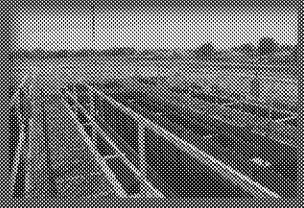
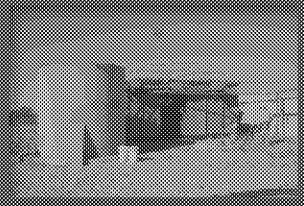
EPA Region 6



QUARTERLY REPORT

July – September 2018

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-01F04901



Submitted by:
Javier Torres, Technical Assistance Manager

Banco de Desarrollo de América del Norte
North American Development Bank

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-01F04901

Grant Period: August 12, 2015 –August 31, 2019

REPORTING PERIOD:

July - September 2018

TO:

Monica Randall
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:

Javier Torres
North American Development Bank
Technical Assistance Manager

October 30, 2018, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-01F04901

Contact:

Primary Contact Name: **Javier Torres**
Organization: North American Development Bank
Telephone & Fax: 01-656-688-4600 Email: jtorres@nadb.org

Reporting Period (please check appropriate period):

- ☐ July 1 – September 30, 2017, Reporting period: report due on October 30, 2017
- ☐ October 1 – December 30, 2017, Reporting period: report due on January 30, 2018
- ☐ January 1 – March 31, 2018, Reporting period: report due on April 30, 2018
- ☐ April 1 – June 30, 2018, Reporting period: report due on July 30, 2018
- ☒ July 1 – September 30, 2018, Reporting period: report due on October 30, 2018
- ☐ October 1 – December 30, 2018, Reporting period: report due on January 30, 2019
- ☐ January 1 – March 31, 2019, Reporting period: report due on April 30, 2019
- ☐ April 1 – June 30, 2019, Reporting period: report due on July 30, 2019
- ☐ July 1 – August 30, 2019, Reporting period: report due on October 30, 2019

Check here if this is the final reporting period under your grant ☐

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

No growth is expected for the projects under-development at this time.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

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GOAL 1. - *Reduce Air Pollution*

Objective 1. - By 2020, in accordance with the NAFTA, promote the reduction of the number of vehicles operating in the border region that do not comply with the respective vehicle emissions' standards and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible reduction measures.

- **Project type 1:** Support the development of vehicle emissions programs in collaboration with governmental entities in order to improve compliance, enhance detection and correction of non-compliance vehicles. In addition, capacity building activities to reduce air pollution, in the border cities or at the Ports of Entry (POE), which may include the enforcement of environmental compliance at the time of used vehicle importation.

Objective 2.- By 2020, reduce pollutant emissions in order to approach attainment of respective national ambient air quality standards (i.e. National Ambient Air Quality Standards (NAAQS) or Norms as they are referred in Mexico) in the El Paso, Texas–Dona Ana County, New Mexico and at State of Chihuahua's border cities' air sheds.

- **Project type 1:** Establish joint collaboration strategies with governmental and/or non-governmental regulatory and planning agencies to identify and implement air pollutant reduction strategies to achieve better air quality in the Paso del Norte region (PdN). Projects should promote, expand, and be consistent with the strategies identified in PROAIREs (Mexico's air shed management plan) or U.S. Clean Air Act (USCAA) State Implementation Plans (SIPs.)

Objective 3. – By 2018, maintain effective Ambient Air Quality Monitoring Network (AAQMN) and provide real-time access to air quality data produced at New Mexico/Texas /Mexico air sheds.

- **Project Type 1:** Initiatives for this objective should aim to ensure the long term sustainability and data quality for the El Paso, Texas – Ciudad Juarez, Chihuahua air quality monitoring network.

Objective 5. - By 2020, reduce emissions and associated impacts through energy efficiency and/or alternative/renewable energy projects.

Possible projects could include: Border-wide training for border stakeholders in instituting and sustaining urban energy efficiency measures; green building training/workshops; forums in which states, localities, non-governmental organizations (NGOs) and industry can share program information and technologies; and energy efficiency co-benefits through reduction of criteria air contaminant emissions (stationary and vehicle sources)

GOAL 2: *Water – Improve Access to Clean and Safe Water*

- **Project type 1:** Efforts under this goal should be targeted to capacity building proposals that incorporate replication strategies, on proper maintenance and/or decommissioning of septic tanks, water conservation and pollution prevention in order to better understand, plan and maintain cleanup sources of drinking water on future groundwater supplies in New Mexico-Texas-Chihuahua border, specifically in Dona Ana County, New Mexico (particularly those communities along the corridor between El Paso, Texas and Las Cruces, New Mexico) and Luna County, New Mexico and El Paso County, Texas.

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Objective 2. - Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.

- **Project type 1:** Conduct energy and/or water audits on small water drinking systems that serve communities with less than a population of 5,000 users, to identify recommendations on how to improve efficiency and provide cost-savings measures for that system.
- **Project type 2:** Outreach and education to improve water quality within the Gulf Task Force Region.

Objective 3. - Work bi-nationally to identify and reduce surface water contamination in Trans - boundary water bodies and watersheds.

Objective 3a. - Develop a binational watershed protection plan in the Lower Rio Grande below Falcon International Dam. Initial activities could include partnership building, watershed characterization, definition of goals/identification of solutions, determination of waste load, load allocations for each country, and development of an implementation plan.

- **Project type 1:** Continue to support activities that meet objective 3a– The proposals should address any water quality sampling and collection, data analysis, modeling and surveys still required by the bi-national workgroup on this project. In addition, the work should also support any additional training or workshops needed, among others, by the Amistad and Falcon Task Force, as well by the Texas-Coahuila-Nuevo Leon –Tamaulipas, Regional Work Group.

GOAL 3: ***Promote Materials Management & Waste Management, & Clean Sites***

Objective 1. - By 2020, increase local and state-level institutional knowledge and experience in the area of sustainable material management practices.

- **Project type 1**: Proposals should be aimed to build capacity and establish strategies to improve infrastructure to minimize waste, maximize collections systems, support secondary materials markets, and reduce overall disposal in landfills and open dumps.

Objective 2. - Identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.

- **Project type 1:** Identify priority waste streams in the municipalities from Four States region and develop sustainable waste management programs for those municipalities to include strengthening the market value of the waste.
- **Project type 2:** Develop sustainable management practices to address used electronics, household hazardous waste, and tires in the Region which will include an educational component to promote recycling and solid waste practices.

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GOAL 4: ***Enhance Joint Preparedness for Environmental Response***

Objective 2. - By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building

- **Project type 1:** Conduct bi-national training to both U.S. and Mexican local emergency responders, on incidents involving Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE), and/or all hazards response skills enabling them to respond safely and effectively to these types of incidences.
- **Project type 2:** Conduct bi-national training to U.S. and Mexican local emergency responders, specifically on HAZMAT incidences only.
- **Project type 3:** Conduct bi-national: 1) tabletop drill with functional drill/exercise or 2) Full Scale Drill/Exercises to test local sister city plans. In order to meet the definition of bi-national, the drills/exercises should go beyond a simple notification to the local sister-city pair and demonstrate actual coordination of resources (expertise, equipment, personnel, etc.) between the sister-cities.
- **Project type 4:** Develop a hazardous materials risk analysis.

GOAL 5. – Enhance ***Compliance Assurance and Environmental Stewardship***

Objective 4. - By 2020, implement at least five (5) binational workshops targeted to environmental enforcement professionals, including ports-of-entry customs professionals (i.e. Department of Homeland Security-Customs and Border Protection), to promote the exchange of information and improve understanding of each Country's respective compliance and enforcement programs and tools, including field studies.

- **Project type 1:** Proposals should consider events for information exchange to improve understanding each Country's respective compliance and enforcement programs and tools including field inspections and case development practices.

Fundamental Strategies

Promoting Environmental Health

- **Project type 1:** Projects presented under this fundamental strategy should increase engagement and participation by the community and stakeholders to better manage the environment and public health issues along the border.

Building Capacity towards Climate Change Resiliency

- **Project type 1**: The Border 2020 climate change efforts should focus on reducing greenhouse gas (GHG) emissions and on actions to help border communities become more resilient to the effects of climate change.

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Summary of approved Work Plan activities performed during the reporting quarter.
2015 RFP Projects in progress during reporting period:

Project ID	Goal / Fund. Strategy	Objective	Project Name	Status
20288	1	1	Improvements to Environmental Services in Cattle Ranches via Livestock Grazing, Ascensión, Chihuahua.	**Project Status**: Final documents due October 2018, testing and monitoring activities completed.
20290	2	3	The Rio Grande/Río Bravo Water Quality Initiative, Laredo, Texas.	**Project Status**: Second extension granted until November 2018 to hold meetings with stakeholders, in coordination with CILA and TCEQ.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

There are no performance outputs and outcome to report at the project level.

Are you on track with your timeline? Yes ☒ No ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

No problems have been reported.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

- Eight projects of the 2017 RFP are under development under this grant and one project is expected to be initiated early next quarter. Activities for the next three months include coordinating with the sponsors the implementation of the projects in accordance with the approved workplans.

- Five projects are under development for Three State Region under this grant:
  1. Climate and Air Quality Network UACJ, Ciudad Juarez, CHIH.
  2. Safe Drinking Water for US/Mexico Border Colonias, El Paso, TX and Ciudad Juarez, CHIH.
  3. RESET 17: Innovation for the Future, El Paso, TX and Ciudad Juarez, CHIH.
  4. Green Infrastructure in the Paso del Norte Region: Seminar, Implementation Guide, Ciudad Juarez, CHIH.
  5. Reduction of Emissions through Collective Transportation Infrastructure, Ciudad Juarez, CHIH / El Paso, TX.

- Three projects are under development for the Four States Region under this grant:
  1. Strategy for Reduction and Prevention of Disasters in Ciudad Acuña, Coah.
  2. Agrochemicals and their Risks to Health and the Environment, Frontera de Tamaulipas
  3. Transforming Urban Compacted Land into Infiltration Field, Edinburg, TX

- One project is expected to begin for the border-wide region under this grant:
  1. U.S.-Mexico Borderlands GIS Mapping, Border wide.

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For detail of the project status please refer to Attachment A.

Discuss what key personnel did on the project.

Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Briselda Duarte, and Jorge Hernandez manage the implementation of the projects in close coordination with EPA. Marielena Constandse prepared this report. Marielena Constandse, Abril Quiroz and Javier Torres provided RFP coordination and Grant Administration.

Discuss any changes in key personnel.

There are no changes to report.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

N/A

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1

Summary of Quarterly Expenses by Category (Report Period July 1 to September 30, 2018)

Work Plan Tasks	Approved Work Plan Budget	Previously Expended	Expenses this Quarter	Total Cumulative Expenses
Task A - RFP	$108,091	$111,064	$287	$111,351
Task B - Projects	$600,584	$182,427	$5,958	$188,385
Task C – Logistical Support	$23,143	$0	$0	$0
Indirect Cost	$73,182	$29,349	$625	$29,974
TOTAL Cumulative Expenses	**$805,000**	**$322,840**	**$6,870**	**$329,710**

TABLE 2				
Budget Categories (programmatic costs only)	**Task A- RFP**	**Task B- Projects**	**Task C- Logistical Support**	**TOTAL Quarterly Expenses**
Personnel	$248	$0	$0	$248
Fringe Benefits	$39	$0	$0	$39
Travel	$0	$0	$0	$0
Contractual	$0	$0	$0	$0
Other (specify)	$0	$5,958	$0	$5,958
TOTAL Direct Charges	$287	$5,958	$0	$6,245
Indirect Costs	$29	$596	$0	$625
TOTAL Cumulative Expenses	$316	$6,554	$0	$6,870

Note: An amendment to the grant's budget is in process of approval by EPA.

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** October 30, 2018

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

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ATTACHMENT "A"

THREE STATE (TX-CHIH-NM) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20288	**Improvements to Environmental Services in Cattle Ranches via Livestock Grazing, Ascensión, Chihuahua.**	Universidad Autónoma de Chihuahua – Facultad de Zootecnia y Ecología	Ascension, Chih.	Briselda Duarte (PM)	7/15/2016	$ 41,388.00	**Project Status:** Final documents due October 2018, testing and monitoring activities completed.
						7/31/2017	$ 23,031.84	

Amount Approved	$	41,388.00
Amount Disbursed	$	23,031.84

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20283	**Energy Efficiency Workshop for Public Lighting Systems, Reynosa, Tamaulipas.**	Secretaria de Desarrollo Urbano y Medio Ambiente	Reynosa, Tamps	Briselda Duarte (PM)	2/22/2016 8/2/2016	$ 9,330.33 $ 9,330.33	Project Status: Concluded on August 2016. Technical training provided to 30 technical officials from the municipalities of Nuevo Laredo, Guerrero, Mier, Miguel Aleman, Camargo, Diaz Ordaz, Reynosa, Rio Bravo, Valle Hermoso and Matamoros, Tamaulipas. Thirty (30) energy efficiency guidelines including maintenance recommendations to reduce Kwh electrical consumption were revised.
2	20293	**Legislative Reform and Environmental Education, Nuevo Laredo, Tamaulipas.**	Universidad Autónoma de Tamaulipas en Nuevo Laredo	Nuevo Laredo, Tamps	Briselda Duarte (PM)	5/26/2016 5/2/2017	$ 9,078.04 $ 9,078.04	Project Status: Project Status: Work Plan activities were completed. Nuevo Laredo upgraded its municipal code. More than 2000 students and 20 inspectors informed.
3	20295	**Comprehensive E-Waste Management in Piedras Negras, Coahuila and Eagle Pass, Texas.**	Grupo Ecológico Green Tec-Osos del Instituto Tecnológico de Piedras Negras	Piedras Negras, Coahuila and Eagle Pass, Texas	Jorge Hernandez (PM)	1/21/2016 7/18/2017	$ 25,270.21 $ 25,270.21	Project Status: Project concluded on August 2017. Some of the project significant contributions are: 47 tons of e-waste collected in Piedras Negras and 15 tons in Eagle Pass. 40,000 inhabitants were visited in 22 colonias in Piedras Negras. A workshop was conducted at ITPN for 55 Green TEC associates. A health and environment conference was held to promote the e-waste recycling. The main promotion of the project was a walk performed in March 2016 with more than 1200 participants. A permanent collection center was established in the public works department at Piedras Negras.
4	20290	**The Rio Grande/Rio Bravo Water Quality Initiative, Laredo Texas**	The University of Texas at Austin	Laredo, TX.	Briselda Duarte (PM)	2/22/2016 11/15/2018	**$58,575.00** **$ 30,260.16**	**Project Status:** Second extension granted until November 2018 to hold meetings with stakeholders, in coordination with CILA and TCEQ.

5	20291	**Fat, Oil and Grease (FOG) Public Outreach Campaign, Brownsville, Texas**	Brownsville Public Utilities Board	Brownsville, TX	Briselda Duarte (PM)	2/22/2016 2/2/2017	**$21,471.05** $ 21,471.05	**Project Status:** Project concluded on May 2017. Some of the project significant contributions are: • 12.58% reduction in service calls received by BPUB related to fats, oil and grease issues • 84 public outreach and trainings • 1713 participating residents and business owners.
6	20292	**Awareness and Discharge Control Rules**	Junta de Aguas y Drenaje de la Ciudad de Matamoros	Matamoros, Tamps	Briselda Duarte (PM)	TBD TBD	$25,000.00	**Project Status:** Cancelled due to an unacceptable legal framework to implement the customer municipal code. It was suggested to reapply for funding in the next RFP, once the municipal program is legally approved.
7	20294	**Let's Clean it Up and Green it Up, Pharr, Texas**	City of Pharr, Recycling Center	Pharr, TX	Jorge Hernandez (PM)	2/22/2016 4/2/2017	$ 33,910.47 $ 33,910.47	**Project Status:** Project concluded on May 2017. Some of the project significant contributions are: The city of Pharr participated on over 100 occasions where environmental education was discussed. More than 20 meetings, 40 events and about 50 presentations were given to students and/or residents on environmental issues. During the 14-month period of the project implementation, over 20,000 used tires were collected. The project included the 96-gallon recycling containers for advertising purposes.

Updated September 30, 2018

Amount Approved	$	182,635.10
Amount Disbursed	$	129,320.26

Total Approved	$	224,023.10
Total Disbursed	$	152,352.10

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TAA Signed: 4/16/2018

Progress Tracking of NM/TX/CHIH Regional Workgroup Projects

REVIEW DATE: 9/30/2018

Estimated Overall Project Completion: 90%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20314	X4-01F04901 B2020 R6 (.805)	3/15/2018	NR	11/1/2017 - 08/31/2018	RESET17: Fomento a la innovación en jóvenes fronterizos	Goal 2 Objective 4	Ciudad Juárez, Chihuahua	Fundación Axcel A.C., Ciudad Juárez, Chih	$29,445.00	$ 21,602.63	Briselda Duarte	Maria Sisneros	Business Plan and definition of prototype	Jul-18	Jul-18	100%	7/18/2018	Prototype completed and business plan done
													Socialization planning with prospective customers	Jul-18	Jul-18	90%	20/07/18	Waiting for confirmation from government agencies and from possibly interested civil organizations
													Meetings with public entities and CSOs	Jul-18	Jul-18	30%	31/07/18	Prototype presentation was expected in October, project delayed one month

Reports	Due Date
1st semmi-annual report (nov - abril 2018)	5/1/2018
1st bi-monthly (May- Jun)	7/31/2018
2nd bi-monthly (jul - ago)	8/31/2018
Final Report	8/19/2018

Legend	Meaning
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 4/26/2018

Progress Tracking of 3 states Regional Workgroup Projects

REVIEW DATE: 7/11/2018

Estimated Overall Project Completion: 0%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20321	X4-01F04901 (.805)	4/12/2018	NR	04/04/2018 - 09/04/2018	Green Infrastructure Paso del Norte region: Seminar, Guidelines and implementation, Ciudad Juarez, Chihuahua	Goal 2 Objective 3	Ciudad Juarez, Chih.	Ayuntamiento de Ciudad Juarez, Chihuahua	$ 31,000.00	$ -	Joaquin Marruffo	Maria Sisneros	Workplan being updated by Sponsor in coordination with the NADB. Hold period was due to change of municipal administration in Juarez.					

Reports	Due Date
Final Report	

Legend	MEANING
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 4/19/2018

Progress Tracking of TX/NM/CHIH Workgroup Projects

REVIEW DATE: 9/30/2018

Estimated Overall Project Completion: 32%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20325	X4-01F04901 B2020 -.805	2/9/2018	NR	04/16/2018 / 02/01/2019	Climate and Air Quality Network UACJ, Ciudad Juárez, Chih.	Goal 1 Objective 3	Ciudad Juárez, Chihuahua	Universidad Autónoma de Ciudad Juárez (UACJ)	$ 29,400.00	$ 4,567.66	Jorge Hernandez	Carlos Rincon	**Data Collection**	Apr-18	May-18	100%	05/30/08	Map contours and symbols were developed which include curve levels, urban layout, roads, AGEBs, medical assistance centers, police stations, fire stations.
													Develop continuous feeding protocol	May-18	Jun-18	100%	6/30/2018	The climatological archives that are kept in the Institutional Repository of the UACJ were compiled for the different meteorological stations that are part of the UACJ.
													Design of prototypes	May-18	Dec-18	25%	On going	Design began with the assembly of the prototype with the components that were already in the laboratory
													Field test	Nov-18	Dec-18			
													Project presentation to experts	Dec-18	Jan-19			
													Public Meeting	Jan-19	Feb-19			
													Final Report	Mar-19	Sep-19			

Reports	Due Date
1st Quarterly Report (Abr18-Jun 18)	7/30/2018
2nd Quarterly Report (Jul 18 - Sep 18)	10/30/2018
3rd Quarterly Report (Nov 18- Jan 19)	2/28/2018
4th Quarterly Report (Febr 19- Abr19)	5/30/2019
5th Quarterly Report (May19- Jul19)	8/30/2019
Final Report	9/30/2019

Legend	Definition
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 9/4/2018

Progress Tracking of TX/NM/CHIH Workgroup Projects

REVIEW DATE: 9/30/2018

Estimated Overall Project Completion: 5%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20326	X4-01F04901 E2020 -.805	2/13/2018	6/1/2018	09/04/2018 / 09/04/2019	Reduction Emissions through Collective Transport in Paso del Norte POE	Goal 1 Objective 1	Ciudad Juárez, Chihuahua	Instituto Municipal de Investigación y Planeación, IMIP de Ciudad Juárez	$ 61,220.00	$ -	Jorge Hernandez	Carlos Fincon	**Data Collection**	Sep-18	Nov-18	25%	On going	Project began with the collection of information in conjunction with the planning office of the city of El Paso
													Infraestructure survey	Nov-18	Dec-18			
													Baseline study, micro-simulation and transport models	Jan-19	Mar-19			
													Analysis of the best infrastructure and operation proposal	Apr-19	Jun-19			
													Field study for final design	Jul-19	Aug-19			
													Final design development	Aug-19	Sep-19			
													Final Report	Oct-19	Oct-19			

Reports	Due Date
1st Quarterly Report (Sep18- Nov 18)	12/31/2018
2nd Quarterly Report (Dec 18 - Feb 19)	3/31/2019
3rd Quarterly Report (Mar 19- May 19)	6/30/2019
4th Quarterly Report (Jun 19- Ago 19)	9/30/2019
Final Report	10/31/2019

LEGEND	MEANING
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 3/21/2018

Progress Tracking of NM/TX/CHIH Regional Workgroup

REVIEW DATE: 9/30/2018
Estimated Overall Project Completion: 30%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20327	X4-01F04901 8 2020 R6 (.805)	2/13/2018	2/13/2018	04/01/2018-06/30/2019	Safe Drinking Water for US/Mexico Border Colonias	Goal 2, Objective 2	Ciudad Juárez, Chihuahua	UTEP El Paso Texas	$ 79,636.00	$ 152.52	Briselda Duarte	Debra Tellez	Design questionnaire and focus group questions	Apr-18	May-18	100%	5/30/2018	All questionnaires, surveys and questions were reviewed by all Co-pis and partners in US and Mexico. (see attachments in QR 1)
													Get IRB approvals, as needed	May-18	Jun-18	100%	6/23/2018	IRB submitted on June 23, 2018
													Select residents in colonias for focus group	Apr-18	Jul-18	100%		Partems from Juarez (Juarez Limpio and ITCJ Cd Juarez) and El Paso (Familias Triunfadoras) have identified individuals for focus group
													Perform focus group in Juarez to understand water quality perception (20 people)	Jun-18	Jul-18	100%	9/4/2018	Focus group was delayed from July to September due to safety concerns raised by UTEP administration. This delayed the other activities but hopefully will get back on schedule by February 2019
													Provide workshop to colonia in Juarez on water quality issues (>100 people)	Jul-18	Aug-18	0%		In progress. Was delayed pending the focus group results
													Collect and analyze water sample in colonias in Juarez and El Paso	Jun-18	Aug-18	100%	9/30/2018	In progress. Visits to several families in El Paso were made but only were able to collect one sample (covered by previous IRB) that is currently being analyzed. From focus groups and contacts from Familias Triunfadoras, sponsor expects to identify more families and plan on completing sampling and analysis by August, as scheduled.
													Perform Health Risk Assessment in colonias in Juarez and EL Paso	Jul-18	Oct-18	60%		Once sponsor has water quality data, the health risk assessment will be performed and completed by October as scheduled.
													Select families to provide POU			90%		Families from Juarez and El Paso have been selected for focus groups. Installation of POUs in El Paso on schedule.
													Provide POU to individual families and show how to use (5-10 families each side)			0%		POUs will start in El Paso in this quarter.
													Disseminate flyers/brochures to residents of colonias in Juarez on water quality			10%		Design of workshops based on data gathered in progress.
													Design post-survey questions and submit IRB to UTEP, NMSU, UH as needed			100%	6/23/2018	Completed
													Compare results between Juarez and El Paso			80%		In progress. Will submit comparison in next report.
													Compare perspectives on water quality issues and health risks assesments			80%		In progress. Will submit comparison in next report.
													Provide training to promotoras in El Paso on water quality issues and POUs			0%		Training activities are under preparation.

Report	Due Date
First QR (April-June)	Jul-18
Second QR (July-September)	October
Third QR (October-December)	Jan-19
Fourth QR (January-March)	Apr-19
Fifth QR (April-June)	Jul-18
Final Report	Aug-19

LEGEND	MEANING
PID	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 5/4/2018

Progress Tracking of TX/COAH/NL/TAMPS Regional Workgroup Projects

REVIEW DATE: 9/30/2018

Estimated Overall Project Completion: 19%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20329	X4-01F04901 E2020 - .805	2/28/2018	2/26/2018	04/16/ 2018 / 08/31/2019	Transforming Urban Compacted Land into Infiltration Field, Edinburg, TX	Goal 2 Objective 3	Edinburg, Texas	The University of Texas Rio Grande Valley at Edinburg, TX	$ 49,598.00	$ -	Jorge Hernandez	Japhet Cruz	**Establish a field testing site and survey**	Apr-18	Jun-18	100%	6/30/2018	Land became available in June, and it was adopted for the field testing site.
													Infiltration rate, bulk density, penetration resistance	Jun-18	Jun-19	50%	On Going	Bermuda grass was hydroseeded with help from a commercial landscape company. Currently, grass is on the way of growing stage with sprinkler irrigation.
													Run off collection and analyses	Aug-18	Apr-19	10%	On Going	Data analysis from preliminary soil physical property measurement is in progress.
													Vegetation establishment monitoring using GIS	Jul-18	Jun-19			
													Data analysis and project dissemination	Aug-18	Jul-19			
													Final Report	Jul-19	Jul-19			

Reports	Due Date
1st Quarterly Report (Apr18- Jun 18)	7/30/2018
2nd Quarterly Report (Jul 18 - Sep 18)	10/30/2018
3rd Quarterly Report (Oct 18- Dec 18)	1/30/2018
4th Quarterly Report (Jan 19- Mar19)	4/30/2019
5th Quarterly Report (Abr19- Jun19)	6/30/2019
6th Quarterly Report (Jul19- Sep19)	9/30/2019
Final Report	10/31/2019

Legend	Definition
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 5/22/2018

Progress Tracking of TX/COAH/NL/TAMPS Workgroup Projects

REVIEW DATE: 9/30/2018

Estimated Overall Project Completion: 75%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20330	X4-10F04901 B2020 R6 (.805)	4/6/2018	NR	05/07/2018-10/07/2018	Strategy for Reduction and Prevention of Disasters in Ciudad Acuña, COAH and Del Rio, TX.	Goal 2, Objectives 1 & 2	Ciudad Acuña, COAH and Del Rio, TX.	Universidad Carolina en Saltillo, Coah	$ 26,032.00	$ 9,710.28	Briselda Duarte	Japhet Cruz	Diagnosis development (precipitation and impact in microwatersheds)	May-18	Jul-18	70%	7/25/2018	Diagnosis was presented to the Municipality and delivered on July 7th, after the public campaign with the students from local universities and the Department of Ecology.
													Natural Events Risk Analysis	May-18	Jul-18	50%	7/25/2018	The analyses carried out were presented to the municipality. Currently waiting for observations and additional information
													Progress Presentation Municipality 1st draft	May-18	Jul-18	35%		
													Progress Presentation Municipality 2nd draft	Jul-18	Jul-18	30%		With the information generated in the site visit of July 2-7, the training workshop and 1st participatory Planning Workshop, as well as the feedback from the presentation to municipal authorities, the Control of Avenues master plan, with an advance of 80%, continued to be developed.
													Progress Presentation Municipality 3rd draft	May-18	Aug-18	20%		
													Development of Master Plan of Control of Avenues	Aug-18	Sep-18	80%		
													Green infrastructure Manual and environmental education Program	Jul-18	Sep-18	65%		
													Presentation of advances municipality prior to presentation to Cabildo	Aug-18	Sep-18	15%		
													Elaboration of measures of mitigation with indicators for presentation to Cabildo	Jul-18	Sep-18	100%		

Reports	Due Date
Second Report	Jul-18
cuarto informe	Sep-18
Final Report	Oct-18

LEGEND	MEANING
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 6/1/2018

Progress Tracking of TX/COAH/NL/TAMPS Regional Workgroup Projects

REVIEW DATE: 9/30/2018

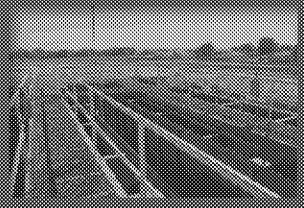
Estimated Overall Project Completion: 0%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20331	X4-01F04901 B2020 -.805	3/31/2018	NR	06/01/2018 - 01/31/2019	Agrochemicals and their Risks to Health and the Environment, Frontera de Tamaulipas	Goal 3 Objective 3	Frontera de Tamaulipas	Secretaria de Desarrollo Urbano y Medio Ambiente de Tamaulipas, SEDUMA	$ 21,900.00	$ -	Jorge Hernandez	Carlos Rincon	1.1 Interviews with agricultural producers	Jul-18	Aug-18	0%		Interviews will take place until new administration is in office
													1.2 Visits to the areas to identify needs	Jul-18	Aug-18			
													2.1 Organization of workshops at the municipalities	Aug-18	Sep-18			
													2.4 Surveys evaluation on the workshops by the participants	Sep-18	Dec-18			
													2.10 Design of strategies to implement an action plan in the management of agrochemicals waste	Sep-18	Oct-18			
													3.1 Evaluation of the final results	Jan-19	Feb-19			
													3.3 Final report	Feb-19	Feb-19			

Reports	Due Date
1st Quarterly Report (Jul18- Sep 18)	10/30/2018
2nd Quarterly Report (Oct 18 - Dec 18)	1/30/2019
Final Report	2/29/2019

Legend	Definition
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

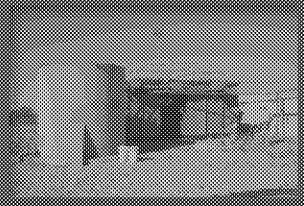
EPA Region 6



QUARTERLY REPORT

July – September 2018

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-00F59501



Submitted by:
Javier Torres, Technical Assistance Manager

Banco de Desarrollo de América del Norte
North American Development Bank

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-00F59501

Grant Period: Sep. 6, 2012 – Aug. 31, 2019

REPORTING PERIOD:

July - September 2018

TO:

Monica Randall
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:

Javier Torres
North American Development Bank
Technical Assistance Manager

October 30, 2018, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-00F59501

Contact:

Primary Contact Name: **Javier Torres**
Organization: North American Development Bank
Telephone & Fax: 01-656-688-4600 Email: jtorres@nadb.org

Reporting Period (please check appropriate period):

- ☐ October 1 – December 31, 2017, reporting period: report due on January 30, 2018
- ☐ January 1 – March 31, 2018, reporting period: report due on April 30, 2018
- ☐ April 1 – June 30, 2018, reporting period: report due on July 30, 2018
- ☒ July 1 – September 30, 2018, reporting period: report due on October 30, 2018
- ☐ October 1 – December 31, 2018, reporting period: report due on January 30, 2019
- ☐ January 1 – March 31, 2019, reporting period: report due on April 30, 2019
- ☐ April 1 – June 30, 2019, reporting period: report due on July 30, 2019
- ☐ July 1 – August 31, 2019, reporting period: report due on October 30, 2019

Check here if this is the final reporting period under your grant ___

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

Not considered during this period.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

Goal #1: Reduce Air Pollution

- ☒ Continue to focus on air pollution reductions in binational airsheds

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☒ By 2018, maintain effective air quality monitoring networks and timely access to air quality data

☒ Reduce greenhouse gas emissions through energy efficiency and alternatives or renewable energy projects

Goal #2: Improve Access to Clean and Safe Water

☒ By 2015, increase homes connected to safe drinking water (DW) and waste water (WW) treatment

☒ Help DW and WW utilities become more efficient and sustainable

☒ Reduce levels of metals, sediment, or bacteria entering rivers and watersheds

Goal #3: Promote Materials and Waste Management and Clean Sites

☒ Develop capacity to improve collection and recycling of e-waste, plastics, and trash

☒ Develop scrap tire pile prevention and recycling capacity

☒ Develop institutional capacity to clean up contaminated sites

☒ Continue to share information on border area hazardous waste facilities

Goal #4: Enhance Joint Preparedness for Environmental Response

☒ Update eight sister city joint contingency plans with risk identification and reduction of all hazards

☒ Facilitate easier trans-boundary movement of equipment and personnel

☒ Continue updating the U.S.-Mexico Joint Contingency Plan

Goal #5: Compliance Assurance and Environmental Stewardship

☒ Improve information sharing between enforcement agencies on the movement of hazardous waste across the border

☒ Use Toxics Release Inventory (in the U.S.) and the Emissions and Contaminant

☒ Transfer Registry (RETC, in Mexico) to identify top polluters of toxic releases

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☒ Training and information exchange on laws and regulations of respective countries

Summary of approved Work Plan activities performed during the reporting quarter.

The Bioswale Material for South Texas Stormwater Management project concluded on March 2017. Results include that after monitoring rain fall from April 2015 to November 2016, of the five porous materials used in the different parking areas pumice is a hydrologically best performing material for the bioswale porous media.

Overall logistical support for the year was provided for:

- New Mexico – Texas – Chihuahua Waste Task Force meeting, held on February 7, 2017 in Cd. Juarez, Chihuahua.
- New Mexico – Texas – Chihuahua Regional Workgroup Annual Meeting, held on February 14, 2017 in El Paso, Tx.
- Texas- Coahuila – Nuevo Leon – Tamaulipas Regional Workgroup Meeting, held on February 16, 2017 in Laredo, Tx.
- Paso Del Norte Binational Health Council-Environmental Health Committee held on March 22, 2017 in El Paso, Tx.
- Junta de los Rios (Texas – Chihuahua) Rural Task Force Meeting held on March 2, 2017 in Presidio TX
- New Mexico – Chihuahua Rural Task Force Annual Public Meeting held on March 30, 2017 in Palomas, Chih.
- New Mexico – Texas – Chihuahua Health Task Force Public Meeting held on March 30, 2017 in Las Cruces, NM.
- Extreme Heat and Health: Prevention, Mitigation, and Resilience in the Paso del Norte Region Meeting held on May 24, 2018 in Juarez, Chihuahua and El Paso, TX.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

- Two RFP 2017 projects are under development:

  - Collaborative K12 Capacity Building and Research for Air Quality Monitoring, El Paso, TX.
  - Mitigating Localized Flooding - Development of a Green Infrastructure Master Plan, Mercedes, TX.

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For detail of the project status please refer to Attachment A.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

No problems have been reported.

Resolutions to Problems Previously Reported.

No problems have been reported.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

- The development of the Four-State region Waste Separation Stations, Matamoros, Tamps. project has been set on hold due to local government administration changes. It is expected to begin development early next calendar year.

Discuss what key personnel did on the project.

Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Briselda Duarte and Jorge Hernandez coordinated and monitored work plan activities of the projects in coordination with EPA. Marielena Constandse prepared this report. Marielena Constandse, Abril Quiroz and Javier Torres provided internal contract and grant administration and grant administration coordination with EPA.

Discuss any changes in key personnel.

No changes in key personnel took place this reporting period.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

N/A

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

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TABLE 1				
Summary of Quarterly Expenses by Category (Report Period July 1 to September 30, 2018)				
Work Plan Tasks	**Approved Work Plan Budget**	**Previously Expended**	**Expenses this Quarter**	**Total Cumulative Expenses**
Task A- Logistics	$52,688	$52,668	$0	$0
Task B- RFP	$40,972	$40,972	$0	$0
Task C- Projects	$683,314	$559,984	$0	$0
Task D- NADB Presence	$30,579	$30,579	$0	$0
Task E- Emergency Response	$45,455	$45,455	$0	$0
Indirect Cost	$81,012	$73,169	$0	$0
TOTAL Cumulative Expenses	**$934,000**	**$802,827**	**$0**	**$0**

TABLE 2						
Budget Categories (programmatic costs only)	**Task A- Logistics**	**Task B- RFP**	**Task C- Projects**	**Task D- BECC Presence**	**Task E- Emergency Response**	**TOTAL Quarterly Expenses**
Personnel	$0	$0	$0	$0	$0	$0
Fringe Benefits	$0	$0	$0	$0	$0	$0
Travel	$0	$0	$0	$0	$0	$0
Contractual	$0	$0	$0	$0	$0	$0
Other (specify)	$0	$0	$0	$0	$0	$0
TOTAL Direct Charges	$0	$0	$0	$0	$0	$0
Indirect Costs	$0	$0	$0	$0	$0	$0
TOTAL Cumulative Expenses	$0	$0	$0	$0	$0	$0

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** October 30, 2018

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

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ATTACHMENT "A"

THREE STATE (TX-CH-NM) BORDER 2020 - 2013 PROJECTS										
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20249	1	Mejoramiento de la Red de Monitoreo de PM10 en Ojinaga	Municipio de Ojinaga, Chihuahua Ing. Miguel Adame Baeza moadameb@hotmail.com, (626)453-2541	Ojinaga	CHIH	IH AQ	4/15/2014 17 months	$ 13,175.35 $ 13,175.35	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * A network of monitoring of PM10 fully functional. * Three training events for technical personnel * Development of a Communications Plan for air quality data through local media and information materials.
2	20260	2	Sustaining the Environment at the New Mexico-Chihuahua Border	New Mexico Environment Department Ms. Mary Rose Mary.Rose@state.nm.us	Columbus, Deming	NM	BD MC	11/4/2014 13 months	$ 36,953.43 $ 36,953.43	**Project Status:** This project concluded on December 2015. $63,037 dlls. were returned to the grant. Some of the project significant contributions were: * Completion of two presentations on health impacts and effective, low-cost methods for controlling blowing sand and soil. * Completion of four septic maintenance workshops. * Organization of the largest ever water festival held in Columbus, NM.
3	20240	2	Comunidades Unidas en Prevencion de la Contaminacion Ambiental	Adult Youth United Development Association INC Olivia Figueroa Executive Director ayudaorg1@yahoo.com (915) 851-0272	Montana Vista, Cuadrilla, Tornillo	TX	BD AQ	5/1/2014 16 months	$ 49,776.41 $ 49,776.41	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * Training program outreach, 2,332 people *Identification of septic tanks with GIS, 467 houses *Surveys conducted, 462 *Creation of mapping and database in Cuadrilla, Montana Vista, Tornilo, and Valle Bonito at El Paso County
4	20262	3	Ysleta del Sur Pueblo Community Collection Center	Ysleta del Sur Pueblo Evaristo Cruz, ecruz@ydsp.nsn.gob (915)859-7913 ext 7755	El Paso	TX	IH MC	10/1/2014 18 months	$ 65,776.92 $ 65,776.92	**Project Status:** Project finished on April 2015. The main results of the project were: * Collection of a total of 250 tires. * 10,800 pounds of electronic waste collected, 42.35 lbs per household during a 14 month period an estimate of 1.4 lbs per household per month. * 5,420 pounds of recyclables collected, 21.25 lbs per household in a 14 month period an estimate of 4.3 lbs per household per month.
5	20247	3	Reciclaje de Biosolidos en Suelos Agricolas del Valle de Juarez, Chihuahua	Universidad Autónoma de Ciudad Juárez Dr. Juan Pedro Flores Margez Tels. 656-688-1800 ext. 1561, 1976 y 1671 Servicos Agropecuarios Paso del Norte, SC Lic. Ana Irene Flores Arras	Valle de Juárez Valle de Juárez	CHIH CHIH	IH AQ IH AQ	4/13/2014 19 months 4/13/2014 19 months	$ 28,329.78 $ 28,329.78 $ 8,406.38 $ 8,406.38	**Project Status:** The Project was concluded on December 2015. Some of the project significant contributions were: The project established a sustainable program on agricultural use of biosolids, through 15 demonstration hectares. Important outputs are: * Establish a program promoting the adoption by farmers on the use of biosolids on agricultural land. * A list of volunteer farmers to continue the application of biosolids on 100 hectares in 2015 * Three field demonstrations, educational materials for 150 producers and agricultural technicians in the region.

6	**20245**	**Environmental Health**	Urban Keyhole Gardens using Rain Water Harvesting Techniques	El Paso Water Utilities Anai I. Padilla El Paso Water Utilities Phone: 915.621.2000 Email: aipadilla@epwu.org	El Paso	TX	AH AQ	4/7/2015 13 months	$ 6,120.08 $ 6,120.08	**Project Status:** The project concluded on May 2015. Some of the project significant contributions were: 14 educational events, with a total of 955 attendees. The overall acceptance of the keyhole gardens, as a vegetable gardening option was well received by the public that attended the various workshops. Final report has been submitted and approved.
7	20250	Environmental Health	[illegible]	[illegible]	[illegible]	[illegible]	AH AQ	[illegible]	$ [illegible]	Project Status: [illegible]

$ 251,826.36
$ 208,750.36

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2012 - 2013 PROJECTS											
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed		STATUS
1	20241	1	Characterizing Drayage Activities and Emissions in Laredo-Nuevo Laredo Airshed	Texas A&M Transportation Institute (TTI) Farzaneh, Reza Research Engineer m-farzaneh@tamu.edu (512) 407-1118	Laredo	TX	JH AQ	9/1/2014 18 months	$ $	89,750.00 89,750.00	**Project Status:** The project concluded on March 2016. Some of the project significant contributions were: Important air quality impacts of drayage trucks in the region; specifically, the results show that the Colombia bridge crossing is the most utilized port of entry in the region, and is associated with relatively high emissions caused by high truck volumes and slow speeds, therefore high emissions adjacent to urban area of both Laredos.
2	20258	2	Determining the Ideal Bioswale Material for South Texas Stormwater Management	The University of Texas Pan American Jungseok Ho, Ph.D., P.E. (956) 665-3104, hoj@utpa.edu	Edinburgh	TX	AH AQ	12/1/2014 24 months	$ $	24,133.69 24,133.69	**Project Status:** The Bioswale Material for South Texas Stormwater Management project concluded on March 2017. Results include that after monitoring rain fall from April 2015 to November 2016, of the five porous materials used in the different parking areas pumice is a hydrologically best performing material for the bioswale porous media
3	20245	2	Conservación del Arroyo Las Vacas en Ciudad Acuña, Coahuila, Mexico	SECRETARÍA DE MEDIO AMBIENTE DEL ESTADO DE COAHUILA Alejandra Carrera alejandra.carrera@semarnat.gob.mx (844) 4100014	Acuña	COAH	BD AQ	7/14/2014 22 months	$ $	34,605.92 34,605.92	**Project Status:** The project concluded on May 2016. Some of the project significant contributions are: a) Binational group created among SEMA Coahuila, TCEQ, Acuna City, Tec of Acuna, CILA, IBWC, UT Austin CONANP. b) Diagnostic Report with inventory data of existing vegetation and species along the 26km of the Acuña river, GIS maps accessible to the public. c) Close out of 35 wastewater illegal dumping sites in 2015. d) Reforestation with 225 native trees. e) Binational workshop on water quality with Tecnologico de Acuña and Texas A&M at Austin.
4	20246	3	Diagnóstico de generación de residuos en la región fronterizo norte	Secretaría de Desarrollo Sustentable, Gobierno del Estado de Nuevo León Lic. Norma Rangel Sevilla, normaarangel@gmail.com, (81)2033-1930	Sabinas Hidalgo, NL	NL	JH MC	4/1/2014 15 months	$ $	17,457.39 17,457.39	**Project Status:** This project concluded on August 2015. Some of the project significant contributions were: * Characterization of waste in the municipality * Generation of a manual on handling e-waste * Action plan developed
5	20243	3	Keeping Pharr Beautiful Starts at Home	City of Pharr, Public Works Department Grace Segovia, M.A. City of Pharr, Public Works Department Phone: (956) 402-4350 grace.segovia@pharr-tx.gov	Pharr	TX	AH AQ	4/7/2014 20 months	$ $	19,830.86 19,830.86	**Project Status:** This project concluded on December 2015. Some of the project significant contributions were: * The reduction in illegal dumping cases from 350 in 2013 to 100 in 2014 * The number of tires collected by city workers decreased from 4,991 in 2013 to 4,520 in 2014.

6	20255	3	Alamo Recycling TEAM Includes Everyone (ARTIE)	City of Alamo Melisa Gonzales Storm Water Manager Phone: 956-787-0006 x 140 mgonzales@alamotexas.org	Alamo	TX	AH AO	4/21/2014 24 months	$ $	54,836.16 54,836.16	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven sanitation model that can be easily replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implementation of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
7	20253	3	Manejo, Gestión y Control de Grasas y Aceites	Comisión Municipal de Agua Potable y Alcantarillado Marisela Flores floresmariela@hotmail.com (867) 712-5399	Nuevo Laredo	TAMPS	BD MC	6/3/2014 17 months	$ $	6,497.10 6,497.10	**Project Status:** This project concluded on February 2016. Some of the project significant contributions were: 449 establishments trained, giving them the necessary tools to establish procedures in its companies to raise their compliance, to strengthen the compromise among employees, creating a synergy with the operator body. 94 of these establishments will continue to be monitor by COMAPA to ensure environmental compliance and 13 establishments set up lats and oils traps. 86% of visited users comply with established procedures and are implementing the strategies presented in the workshops.
8	20252	Environmental Health	Promotora-Led Environmental Health Education for Children	La Amistad AHEC / Southwest Border AHEC Rose Martinez 830.758.1111 rose.martinez@swbahec.org	Eagle Pass	TX	AH MC	6/16/2014 17 months	$ $	69,023.50 69,023.50	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven Sanitation Model that can be successfully replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implementation of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
9	20251	Environmental Health	Planeación de un Modelo de Información de la frontera Texas/Mexico	El Colegio de la Frontera Norte, A.C. Dr. Felipe Javier Uribe Sala Tel. (878) 782 7207 Texas A&M HSC Dr. Gerry Carrillo Phone: 956.668.6371 gcarrillo@tamhsc.edu	Piedras Negras Piedras Negras	COAH COAH	BD MC BD MC	5/15/2014 18 months 5/15/2014 18 months	$ $ $ $	19,320.15 19,320.15 15,958.30 15,958.30	**Project Status:** The project concluded on April 2016. Some of the project significant contributions are: a) Identification of agencies who manage health information in the region. b) Organization of a working group to discuss the information on environment and health, among: TCEQ, COLEF, SEMA Coahuila, Texas A&M McAllen Campus. c) MOU agreement between Colef and SEMA Coahuila to share health information and define health indicators. d) Diagnostic report with the identification of sources of environmental information with health associated diseases.

10	20270	Environmental Health	McAllen-Mission-Pharr/Reynosa Hazards in Transportation Binational Training and Exercise	City of McAllen Juan Gloria (956)681-2540 jgloria@mcallen.net	McAllen	TX	BD	4/24/2015	$ 45,455.00	**Project Status:** The Project concluded on December 2015. Some of the project significant contributions were: * Update of the Regional Sister City Plan e-directory * Training on HAZMAT response on International border crossing on Sept. 2015.
							MC	5 months	$ 45,455.00	

	$	396,688.07
	$	396,598.07
Total Approved	$	648,514.43
Total Disbursed	$	605,348.43

Updated September 30, 2018

TAA Signed: 3/22/2018

Progress Tracking of 3 States Regional Workgroup Projects

REVIEW DATE: 9/30/2018

Estimated Overall Project Completion: 40%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20322	X4-00F59501 B2020-R6 934	2/9/2018	NR	03/12/2018 - 06/12/2018	Collaborative K12 Capacity Building and Research for Air Quality Monitoring	Goal 1 Objective 1	El Paso, Texas	Center for Environmental Resource Management and Geological Sciences Department, -University of Texas at El Paso	$ 65,000.00	$ -	Jorge Hernandez	Carlos Rincon	**Marketing and teacher recruitment**	Mar-18	May-18	100%	5/30/2018	
													GIS training workshops	May-18	May-19	50%	Ongoing	First educational workshop on use of GIS was held on June 2018, with 30 participants. Second workshop attended by 29 teachers was held on August 18, 2018
													Collect and process GIS data	Apr-18	May-18	50%	Ongoing	Collection of secondary environmental data from the Paso del Norte Region by the Undergraduate Research Assistant in ongoing
													Train students, conduct particulate matter risk analysis research	May-18	Nov-19			
													Produce web apps (story maps) and research publications	May-18	May-19			
													Teacher and student surveys	May-18	May-19			
													Final Report	Jun-19	Jul-19			

Report	Due Date
1st Quarterly Report (Mar18- May 18)	6/30/2018
2nd Quarterly Report (Jun 18 - Aug 18)	9/30/2018
3rd Quarterly Report (Sep 18- Nov 18)	12/30/2018
4th Quarterly Report (Dec 18- Feb19)	3/31/2019
5th Quarterly Report (Mar19- May19)	6/30/2019
Final Report	7/31/2019

Legend	Definition
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 4/9/2018

Progress Tracking of TX/COAH/TAMPS/NL Regional Workgroup Projects

REVIEW DATE: 9/30/2018

Estimated Overall Project Completion: 16%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20323	X4-00F59501 B2020-R6 934	1/7/2018	NR	3/19/2018 - 3/19/2019	Development of a Green Infrastructure Master Plan in the Lower Rio Grande Valley	Goal 2 Objective 3	Mercedes, TX	City of Mercedes, Texas	$ 30,000.00	$ -	Jorge Hernandez	Maria Sisneros	**Identify and prioritize problem areas within each region**	Mar-18	Apr-18	100%	5/30/2018	The project suffered start-up delays. Literature review and information gathering was completed
													Planning Workgroup Meeting	Mar-18	Mar-19	25%	Ongoing	Initial UTRGV planning meeting occurred on September 19, 2018. Dr. Ahmed Mahmoud and Mr. Javier Guerrero lead the project. Initial meeting with the City occurred on September 24, 2018. City Public Works Director Jose Figueroa will lead the project for the City of Mercedes
													Announcements/Website Updates	Apr-18	Mar-19			
													Workshops	Mar-18	Mar-19			
													Document Development (Draft and Final)	Sep-18	Mar-19			
													Conference Dates	Mar-19	Mar-19			
													Final Report	Apr-19	Apr-19			

Reports	Due Date
1st Quarterly Report (Mar18- May 18)	6/30/2018
2nd Quarterly Report (Jun 18 - Aug 18)	9/30/2018
3rd Quarterly Report (Sep 18- Nov 18)	12/30/2018
4th Quarterly Report (Dec 18- Feb19)	3/31/2019
Final Report	4/30/2019

LEGEND	MEANING
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

No.	Project Id	Goal
1	20288	Goal 1
2	20298	Goal 3
3	20302	Goal 2
4	20303	Goal 2
5	20304	Goal 1

No.	Project Id	Goal
1	20270	Goal 4
2	20283	Goal 1
3	20285	Goal 3

Printed On: April 10, 2018

4	20286	Goal 3
5	20287	Goal 4
6	20290	Goal 2
7	20291	Goal 2
8	20293	Goal 5
9	20294	Goal 3
10	20295	Goal 3
11	20297	Goal 2

Printed On: April 10, 2018

EPA

THREE STATE (TX-CH-NM) BORDER 2012/2020	
Name	**Project Im**
Environmental services in well-managed rangelands of the Chihuahuan Desert	Texas A&M Univ
Sewage sludge and biosolids Agricultural Soils project in the Valle de Juarez	Universidad Autónor
Green Infrastructure in Public Space on Valle del Sol Avenue	Instituto Tecnoló
Healthy and resilient housing in west Ciudad Juarez, Chihuahua	FEM
Programa de Gestion para Mejorar la Calidad del Aire las cuentas del Norte del Estado de Chihuahua.	Tejeda Le Bla

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2012	
Name	**Pro**
McAllen-Mission-Pharr/Reynosa Hazards in Transportation Binational Training and Exercise.	City
Workshop on Energy Efficiency in Public Lighting Systems in Tamaulipas	Secretaria de M
Comprehensive management project of solid waste in Rio Bravo and Valle Hermoso, Tamaulipas	Secretaria de M

Printed On: April 10, 2018

Comprehensive management of electronic waste project in Piedras Negras and Eagle Pass, Texas	Instituto Tec
Binational Tabletop and Functional Exercises between the cities of Harlingen and Matamoros	Harlingen Irriga
The Rio Grande/Río Bravo Water Quality Initiative	Universit
Fat, Oil and Grease (FOG) Public Outreach Campaign in Brownsville, Texas	Borwnsvi
Law Reform and Environmental Education in Nuevo Laredo	Universidad
Clean in up program at City of Pharr, Texas	City of I
Proyecto de Manejo de Residuos Electronicos en Ciudad Acuna, Piedras Negras y Guerrero en Coahuila	Secretaria de M
Decision Making Tool (DMTG) for Stormwater in The lower Rio Grande Valley in Texas	Texas A&

Printed On: April 10, 2018

Report

- RFP 2015 PROJECTS

lementer	Project Location	State	NADB Project Manager	Period Of Performance	Authorization to Start the Project (TAA signed)
ersity-Kingsville	Ascension	CHIH	Briselda Duarte	12	Jun 15, 2016
na de Ciudad Juárez	Municipio de Juárez	CHIH	Jorge Hernandez	18	Mar 14, 2016
gico de Cd Juarez	Cd. Juárez	CHIH	Joaquin Marruffo	18	Mar 14, 2016
IAP	Cd. Juárez	CHIH	Briselda Duarte	18	Apr 18, 2016
nc & Cia, S.C.	Municipio de Juárez	CHIH	Jorge Hernandez	5	May 16, 2016
					Total

/2020 - RFP 2015 PROJECTS

ect Implementer	Project Location	State	NADB Project Manager	Period Of Performance	Authorization to Start the Project (TAA signed)
fo McAllen, Texas	McAllen	TX	Briselda Duarte	21	Apr 24, 2015
Medio Ambiente del Estado de Tamaulipas	Reynosa	TAMPS	Briselda Duarte	16	Feb 02, 2016
Medio Ambiente del Estado de Tamaulipas	Rio Bravo	TAMPS	Jorge Hernandez	8	Jan 18, 2016

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nologico de Piedras Negras	Piedras Negras	COAH	Jorge Hernandez	18	Jan 18, 2016
ation District Cameron County No. 1	Harlingen	TX	Briselda Duarte	12	Apr 06, 2016
y of Texas Panamerican	Laredo	TX	Briselda Duarte	12	Mar 01, 2016
lle Public Utilities Board	Brownsville	TX	Briselda Duarte	15	Feb 02, 2016
Autonoma de Tamaulipas	Nuevo Laredo	TAMPS	Briselda Duarte	12	Feb 02, 2016
Pharr Recycling Center	Pharr	TX	Jorge Hernandez	14	Feb 02, 2016
Medio AMbiente del Estado de Coahuila	Cd. Acuna	COAH	Jorge Hernandez :	12	Feb 02, 2016
M University - Kingsville	Hidalgo County	TX	Jorge Hernandez	18	Feb 22, 2016
					Total

Printed On: April 10, 2018

Amount Approved Amount Disbursed	Status
$41,388.00 $23,031.84	Under development Estimated completion date:
$48,510.00 $11,743.08	Under development Estimated completion date:
$43,204.00 $42,231.02	CONCLUDED
$50,000.00 $47,106.10	CONCLUDED
$25,000.00 $23,850.96	CONCLUDED
$747,269.26 $519,554.78	

Amount Approved Amount Disbursed	Status
$45,455.00 $45,455.00	CONCLUDED
$9,330.33 $9,330.33	CONCLUDED
$20,866.00 $19,871.16	CONCLUDED

Printed On: April 10, 2018

$15,871.10	
$36,054.00	CONCLUDED
$25,270.21	
$44,683.00	CONCLUDED
$44,682.30	
$58,575.00	Under development
$30,260.16	Estimated completion date:
$25,000.00	CONCLUDED
$21,471.05	
$11,000.00	CONCLUDED
$9,078.04	
$36,390.00	CONCLUDED
$33,910.47	
$16,777.20	CONCLUDED
$16,898.67	
$38,885.00	Under development
$15,769.89	Estimated completion date:
$1,176,731.04	
$1,016,523.52	

Printed On: April 10, 2018

No.		Project Id	Goal
1		20288	Goal 1
2		20298	Goal 3

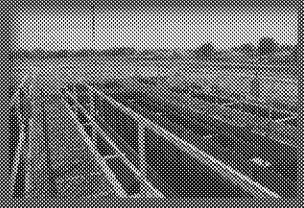
THREE STATE (TX-CH-NM) BORDER 2012/20	
Name	Project Implementer
Environmental services in well-managed rangelands of the Chihuahuan Desert	
Sewage sludge and biosolids Agricultural Soils project in the Valle de Juarez	

20 - RFP 2015 PROJECTS

	Contact Information	Project Location	State	BECC Contract Officer & Project Manager	Period Of P
	Ma. Eugenia Pérez Moralea eugenia@uabc.mx	Ascension	CHIH	PM: Briselda Duarte CO:	1
		Municipio de Juárez	CHIH	PM: Jorge Hernandez CO:	1

erformance	Authorization to Start the Project (TAA signed)	Amount Approved Amount Disbursed	Status
2	Jun 15, 2016	$41,388.00 $23,031.84	**Under development** **Estimated completion date:**
8	Mar 14, 2016	$48,510.00 $11,743.08	**Under development** **Estimated completion date:**

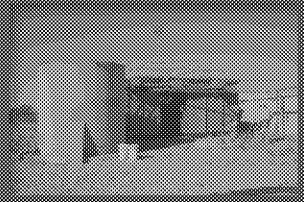
EPA Region 6



QUARTERLY REPORT

January - March 2017

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-00F92501



Submitted by:
Javier Torres, Technical Assistance Manager

Comisión de Cooperación Ecológica Fronteriza
Border Environment Cooperation Commission

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-00F92501

Grant Period: Sep. 17, 2004 – Aug. 31, 2017

REPORTING PERIOD:

January – March 2017

TO:

Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:

Javier Torres
Border Environment Cooperation Commission
Technical Assistance Manager

April 30, 2017, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-00F92501

Contact:

Primary Contact Name: **Javier Torres**
Organization: Border Environment Cooperation Commission
Telephone & Fax: 01-656-688-4600 Email: jtorres@cocef.org

Reporting Period (please check appropriate period):

- ☐ October 1 – December 31, 2014, Reporting period: report due on January 30, 2015
- ☐ January 1 – March 31, 2015, Reporting period: report due on April 30, 2015
- ☐ April 1 – June 30, 2015, Reporting period: report due on July 30, 2015
- ☐ July 1 – September 30, 2014, Reporting period: report due on October 30, 2015
- ☐ October 1 – December 31, 2015, Reporting period: report due on January 30, 2016
- ☐ January 1 – March 31, 2016, Reporting period: report due on April 30, 2016
- ☐ April 1 – June 30, 2016, Reporting period: report due on July 30, 2016
- ☐ July 1 – September 30, 2016, Reporting period: report due on October 30, 2016
- ☐ October 1 – December 31, 2016, Reporting period: report due on January 30, 2017
- ☒ January 1 – March 31, 2017, Reporting period: report due on April 30, 2017
- ☐ April 1 – June 30, 2017, Reporting period: report due on July 30, 2017
- ☐ July 1 – August 30, 2017, Reporting period: report due on September 30, 2017

Check here if this is the final reporting period under your grant

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

None to report.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

ED_002319B_00013094-00003

GOAL 1. - *Reduce Air Pollution*

Objective 1. - By 2020, in accordance with the NAFTA, promote the reduction of the number of vehicles operating in the border region that do not comply with the respective vehicle emissions' standards and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible reduction measures.

- **Project type 1:** Support the development of vehicle emissions programs in collaboration with governmental entities in order to improve compliance, enhance detection and correction of non-compliance vehicles. In addition, capacity building activities to reduce air pollution, in the border cities or at the Ports of Entry (POE), which may include the enforcement of environmental compliance at the time of used vehicle importation.

Objective 2.- By 2020, reduce pollutant emissions in order to approach attainment of respective national ambient air quality standards (i.e. National Ambient Air Quality Standards (NAAQS) or Norms as they are referred in Mexico) in the El Paso, Texas–Dona Ana County, New Mexico and at State of Chihuahua's border cities' air sheds.

- **Project type 1:** Establish joint collaboration strategies with governmental and/or non-governmental regulatory and planning agencies to identify and implement air pollutant reduction strategies to achieve better air quality in the Paso del Norte region (PdN). Projects should promote, expand, and be consistent with the strategies identified in PROAIREs (Mexico's air shed management plan) or U.S. Clean Air Act (USCAA) State Implementation Plans (SIPs.)

Objective 3. – By 2018, maintain effective Ambient Air Quality Monitoring Network (AAQMN) and provide real-time access to air quality data produced at New Mexico/Texas /Mexico air sheds.

- **Project Type 1:** Initiatives for this objective should aim to ensure the long term sustainability and data quality for the El Paso, Texas – Ciudad Juarez, Chihuahua air quality monitoring network.

GOAL 2: *Water – Improve Access to Clean and Safe Water*

- **Project type 1:** Efforts under this goal should be targeted to capacity building proposals that incorporate replication strategies, on proper maintenance and/or decommissioning of septic tanks, water conservation and pollution prevention in order to better understand, plan and maintain cleanup sources of drinking water on future groundwater supplies in New Mexico-Texas-Chihuahua border, specifically in Dona Ana County, New Mexico (particularly those communities along the corridor between El Paso, Texas and Las Cruces, New Mexico) and Luna County, New Mexico and El Paso County, Texas.

Objective 2. - Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.

- **Project type 1:** Conduct energy and/or water audits on small water drinking systems that serve communities with less than a population of 5,000 users, to identify recommendations on how to improve efficiency and provide cost-savings measures for that system.
- **Project type 2:** Outreach and education to improve water quality within the Gulf Task Force Region.

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Objective 3. - Work bi-nationally to identify and reduce surface water contamination in Trans - boundary water bodies and watersheds.

Objective 3a. - Develop a binational watershed protection plan in the Lower Rio Grande below Falcon International Dam. Initial activities could include partnership building, watershed characterization, definition of goals/identification of solutions, determination of waste load, load allocations for each country, and development of an implementation plan.

- **Project type 1:** Continue to support activities that meet objective 3a– The proposals should address any water quality sampling and collection, data analysis, modeling and surveys still required by the bi-national workgroup on this project. In addition, the work should also support any additional training or workshops needed, among others, by the Amistad and Falcon Task Force, as well by the Texas-Coahuila-Nuevo Leon –Tamaulipas, Regional Work Group.

GOAL 3: ***Promote Materials Management & Waste Management, & Clean Sites***

Objective 1. - By 2020, increase local and state-level institutional knowledge and experience in the area of sustainable material management practices.

- **Project type 1**: Proposals should be aimed to build capacity and establish strategies to improve infrastructure to minimize waste, maximize collections systems, support secondary materials markets, and reduce overall disposal in landfills and open dumps.

Objective 2. - Identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.

- **Project type 1:** Identify priority waste streams in the municipalities from Four States region and develop sustainable waste management programs for those municipalities to include strengthening the market value of the waste.
- **Project type 2:** Develop sustainable management practices to address used electronics, household hazardous waste, and tires in the Region which will include an educational component to promote recycling and solid waste practices.

GOAL 4: ***Enhance Joint Preparedness for Environmental Response***

Objective 2. - By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building

- **Project type 1:** Conduct bi-national training to both U.S. and Mexican local emergency responders, on incidents involving Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE), and/or all hazards response skills enabling them to respond safely and effectively to these types of incidences.
- **Project type 2:** Conduct bi-national training to U.S. and Mexican local emergency responders, specifically on HAZMAT incidences only.
- **Project type 3:** Conduct bi-national: 1) tabletop drill with functional drill/exercise or 2) Full Scale Drill/Exercises to test local sister city plans. In order to meet the definition of bi-national, the

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drills/exercises should go beyond a simple notification to the local sister-city pair and demonstrate actual coordination of resources (expertise, equipment, personnel, etc.) between the sister-cities.

- **Project type 4:** Develop a hazardous materials risk analysis.

GOAL 5. – Enhance *Compliance Assurance and Environmental Stewardship*

Objective 4. - By 2020, implement at least five (5) binational workshops targeted to environmental enforcement professionals, including ports-of-entry customs professionals (i.e. Department of Homeland Security-Customs and Border Protection), to promote the exchange of information and improve understanding of each Country's respective compliance and enforcement programs and tools, including field studies.

- **Project type 1:** Proposals should consider events for information exchange to improve understanding each Country's respective compliance and enforcement programs and tools including field inspections and case development practices.

Fundamental Strategies

Promoting Environmental Health

- **Project type 1:** Projects presented under this fundamental strategy should increase engagement and participation by the community and stakeholders to better manage the environment and public health issues along the border.

Building Capacity towards Climate Change Resiliency

- **Project type 1**: The Border 2020 climate change efforts should focus on reducing greenhouse gas (GHG) emissions and on actions to help border communities become more resilient to the effects of climate change.

Summary of approved Work Plan activities performed during the reporting quarter.

Projects in progress during reporting period:

Project ID	Goal	Objective	Project Name	Status
20298	3	1	Sewage Sludge and Biosolids Agricultural Soils Project in the Valle de Juarez, Chihuahua	Project Status: Activities for the last quarter include attending the meetings of District Rural Development Councils convened by SAGARPA to continue the dissemination of the Commission for the Use of Biosolids activities and the preparation of material for courses and workshops to producers and livestock technicians in the Valle de Juarez. A workshop for government officials was held with the participation of 21 representatives and an interview and publications made by Dr. Flores in Norte appeared in a local newspaper and local media.

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20303	FS	NA	Healthy and Resilient Housing in west Ciudad Juarez, Chihuahua	Eco-technologies are being applied to 25 selected homes. Additionally, a catalog with 31 eco-technologies that can be applied to local low income houses has been finished
20302	FS	NA	Green Infrastructure in Public Space on Valle del Sol Avenue, Ciudad Juarez, Chihuahua	The demonstration site is finished and operating. Monitoring of the rain water and sediments captured is underway. A training for local park employees and neighbors of the project site to explain the function and maintenance needs has been scheduled for the end of April.
20295	3	1	Interagency coordination for the management of electronic and electrical waste in Ciudad Acuña and Piedras Negras, Coahuila	The project concluded in March 2017. The results of the project are: Collection of 56 tons of electronic waste (25 tons were targeted), which included 3 campaigns of massive collection of e-waste in several municipalities. 38 public and private organizations were trained and supported the campaign. A permanent collection of electronic waste was opened in Ciudad Acuña.
20297	2	2	Decision Making Tool (DMT[G]) for Determining LID Stormwater Detention, Brownsville, Texas	Project sponsor has performed an AutoCad drawing for a prototype 20 acre commercial development case study to use it as a demonstration tool in the workshops. Project sponsor has four workshops venues planned for continuing education credits for storm water professionals in Brownsville, San Benito, Weslaco and Mission. Texas A&M Kingsville is proposing to revise the budget to include a subcontract for UTRGV to complete a portion of the remaining work in 2017.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

None to report.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

None

Resolutions to Problems Previously Reported.

None to report.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

None to report.

Discuss what key personnel did on the project.

Briselda Duarte coordinated project development activities with EPA and sponsors. Marielena Constandse prepared this report and provided Contract Administration. Javier Torres provided Grant Administration coordination with EPA. Joaquin Marruffo supervised the execution of the project activities.

Discuss any changes in key personnel.

None to report.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

None to report.

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1

Summary of Quarterly Expenses by Category (Report Period January 1 to March 31, 2017)

Work Plan Tasks	Approved Work Plan Budget	Previously Expended	Expenses this Quarter	Total Cumulative Expenses
Task A- Projects	$ 278,255.00	$139,513	$10,843	$150,356
Task B- Emergency Response	$ 26,290.00	$25,055	$0	$25,055
Indirect Cost	$30,455.00	$16,457	$1,084	$17,541
TOTAL Cumulative Expenses	**$335,000.00**	**$181,025**	**$11,927**	**$192,953**

TABLE 2			
Budget Categories (programmatic costs only)	**Task A Projects**	**Task B Emergency Response**	**TOTAL Quarterly Expenses**
Personnel	-	-	-
Fringe Benefits	-	-	-
Travel	-	-	-
Equipment	-	-	-
Other (specify)	$10,843.13	-	$10,843.13
TOTAL Direct Charges	$10,843.13	-	$10,843.13
Indirect Costs	$1,084.31	-	$1,084.31
TOTAL Cumulative Expenses	$11,927.44	-	$11,927.44

[1]*EPA defines equipment as items that cost $5,000 or more with a useful life of more than one year. Items costing less than $5,000 are considered supplies.*
[2]*Applicants must comply with the procurement procedures contained in 40 CFR 31.36, or for non-profits, with 40 CFR30.40.*

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** April 30, 2017

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ED_002319B_00013094-00009

ATTACHMENT "A"

THREE STATE (TX-CHIH-NM) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Goal/ Fund. Strategy	Objective	Project Name	Project Implementer / Contact Information	BECC Contract Officer & Project Manager	Amount Approved / Amount Disbursed	STATUS
1	20298	3	1	**Sewage Sludge and Biosolids Agricultural Soils project in the Valle de Juarez, Chihuahua**	Universidad Autónoma de Cd. Juárez	Jorge Hernandez (PM)	$ 48,510.00 $ 9,451.25	**Project Status:** Activities for the last quarter include attending the meetings of District Rural Development Councils convened by SAGARPA to continue the dissemination of the Commission for the Use of Biosolids activities and the preparation of material for courses and workshops to producers and livestock technicians in the Valle de Juarez. A workshop for government officials was held with the participation of 21 representatives and an interview and publications made by Dr. Flores in Norte appeared in a local newspaper and local media.
2	20303	FS	N/A	**Healthy and Resilient Housing in west Ciudad Juarez, Chihuahua**	Federación Mexicana de Asociaciones Privadas de Salud y Desarrollo Comunitario, A.C.	Armando Herrerias (PM)	$ 50,000.00 $ 17,804.00	**Project Status:** Eco-technologies are being applied to 25 selected homes. Additionally, a catalog with 31 eco-technologies that can be applied to local low income houses has been finished
3	20302	FS	N/A	**Green Infrastructure in Public Space on Valle del Sol Avenue, Ciudad Juarez, Chihuahua**	Instituto Tecnológico de Ciudad Juárez	Armando Herrerias (PM)	$ 43,204.00 $ 29,239.30	**Project Status:** The demonstration site is finished and operating. Monitoring of the rain water and sediments captured is underway. A training for local park employees and neighbors of the project site to explain the function and maintenance needs has been scheduled for the end of April.
						Amount Approved	$ 141,714.00	
						Amount Disbursed	$ 56,494.55	

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Goal/ Fund. Stategy	Objective	Project Name	Project Implementer / Contact Information	BECC Contract Officer & Project Manager	Amount Approved / Amount Disbursed	STATUS
1	20170	4	2	**Hazardous Materials First Responders Binational Training in McAllen, Mission, Pharr, TX and Reynosa, Tamaulipas**	City of McAllen Juan Gloria (956)681-2540 jgloria@mcallen.net	Marielena Constandse (CO) / Briselda Duarte (PM)	$ 25,055.00 $ 25,055.00	**Project Status:**Project concluded on February. Some of the significant project contributions are: - Increase hazmat response skills and capabilities to first responders in McAllen, Mission and Pharr Fire Departments and first responders from northern Mexico. - Equipment will also be used in future binational trainings.
2	20255	3	1	**Comprehensive Solid Waste Management Project in Rio Bravo and Valle Hermoso, Tamaulipas**	Secretaria de Medio Ambiente	Jorge Hernandez (PM)	$ 20,866.00 $ 19,871.16	**Project Status:** The two municipal programs have been completed, and in August 10 and 24 they were presented for approval by the respective city councils. Some of the significant project contributions are: + The generation and waste composition studies allow both communities to know the type and amount of waste generated per inhabitant and could be marketed. The studies also calculate the areas required for the final disposal site according to their generation. + Both programs have been completed, and presented for approval by the respective city councils.
3	20255	3	1	**Interagency coordination for the management of electronic and electrical waste in Ciudad Acuña and Piedras Negras, Coahuila**	Secretaría de Medio Ambiente del Estado de Coahuila de Zaragoza	Jorge Hernandez (PM)	$ 16,898.67 $ 16,898.67	**Project Status:** The project concluded in March 2017. The results of the project are: Collection of 56 tons of electronic waste (25 tons were targegted), which included 3 campaigns of massive collection of e-waste in several municipalities. 38 public and private organizations were trained and supported the campaign. A permanent collection of electronic waste was opened in Ciudad Acuña.

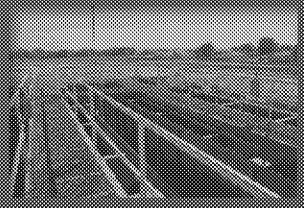
4	20297	4	2	Binational Tabletop and Functional Exercises between Harlingen, TX and Matamoros, Tamaulipas.	City of Harlingen Fire Department	Briselda Duarte (PM)	$ 44,692.30 $ 44,692.30	**Project status**: The project concluded in August. Some of the significant project contributions are: -Training of 19 officers and students from Harlingen (2), Mission (2), Brownsville (1) and Matamoros (14). -Harlingen and Matamoros have established the ability to implement standardized response and real time communication in the event of Hazardous Materials incidents. -A foundation for enhanced emergency response and cooperative incident management has been created.
5	20297	2	2	**Decision Making Tool (DMT^{G}) for Determining LID Stormwater Detention in Bronwsville, Texas**	Texas A&M University-Kingsville	Jorge Hernandez (PM)	**$ 38,885.00** **$ 12,044.74**	**Project Satus:** Project sponsor has performed an AutoCad drawing for a prototype 20 acre commercial development case study to use it as a demonstration tool in the workshops. Project sponsor has four workshops venues planned for continuing education credits for storm water professionals in Brownsville, San Benito, Weslaco and Mission. Texas A&M Kingsville is proposing to revise the budget to include a subcontract for UTRGV to complete a portion of the remaining work in 2017.

Updated March 31, 2017

Amount Approved	**$ 146,386.97**
Amount Disbursed	**$ 118,651.87**

Total Approved	**$ 288,100.97**
Total Disbursed	**$ 175,046.42**

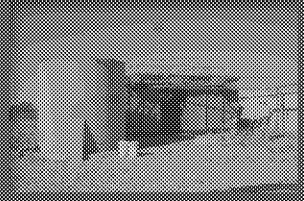
EPA Region 6



QUARTERLY REPORT

January – March 2017

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-00F59501



Submitted by:
Javier Torres, Technical Assistance Manager

Comisión de Cooperación Ecológica Fronteriza
Border Environment Cooperation Commission

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-00F59501-3

Grant Period: Sep. 6, 2012 – Dec. 31, 2017

REPORTING PERIOD:

January - March 2017

TO:
Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:
Javier Torres
Border Environment Cooperation Commission
Technical Assistance Manager

April 30, 2017, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-00F59501

Contact:

Primary Contact Name: **Javier Torres**
Organization: Border Environment Cooperation Commission
Telephone & Fax: 01-656-688-4600 Email: jtorres@cocef.org

Reporting Period (please check appropriate period):

- ☐ January 1 – March 31, 2014, reporting period: report due on April 30, 2014
- ☐ April 1 – June 30, 2014, reporting period: report due on July 30, 2014
- ☐ July 1 – September 30, 2014, reporting period: report due on October 30, 2014
- ☐ October 1 – December 31, 2014, reporting period: report due on January 30, 2015
- ☐ January 1 – March 31, 2015, reporting period: report due on April 30, 2015
- ☐ April 1 – June 30, 2015, reporting period: report due on July 30, 2015
- ☐ July 1 – September 30, 2015, reporting period: report due on October 30, 2015
- ☐ October 1 – December 31, 2015, reporting period: report due on January 30, 2016
- ☐ January 1 – March 31, 2016, reporting period: report due on April 30, 2016
- ☐ April 1 – June 30, 2016, reporting period: report due on July 30, 2016
- ☐ July 1 – September 30, 2016, reporting period: report due on October 30, 2016
- ☐ October 1 – December 31, 2016, reporting period: report due on January 30, 2017
- ☒ January 1 – March 31, 2017, reporting period: report due on April 30, 2017
- ☐ April 1 – June 30, 2017, reporting period: report due on July 30, 2017
- ☐ July 1 – September 30, 2017, reporting period: report due on October 30, 2017
- ☐ October 1 – December 31, 2017, reporting period: report due on January 30, 2018

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Check here if this is the final reporting period under your grant ___

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

Not considered during this period.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

Goal #1: Reduce Air Pollution

☒ Continue to focus on air pollution reductions in binational airsheds

☒ By 2018, maintain effective air quality monitoring networks and timely access to air quality data

☒ Reduce greenhouse gas emissions through energy efficiency and alternatives or renewable energy projects

Goal #2: Improve Access to Clean and Safe Water

☒ By 2015, increase homes connected to safe drinking water (DW) and waste water (WW) treatment

☒ Help DW and WW utilities become more efficient and sustainable

☒ Reduce levels of metals, sediment, or bacteria entering rivers and watersheds

Goal #3: Promote Materials and Waste Management and Clean Sites

☒ Develop capacity to improve collection and recycling of e-waste, plastics, and trash

☒ Develop scrap tire pile prevention and recycling capacity

☒ Develop institutional capacity to clean up contaminated sites

☒ Continue to share information on border area hazardous waste facilities

Goal #4: Enhance Joint Preparedness for Environmental Response

☒ Update eight sister city joint contingency plans with risk identification and reduction of all hazards

☒ Facilitate easier trans-boundary movement of equipment and personnel

☒ Continue updating the U.S.-Mexico Joint Contingency Plan

Goal #5: Compliance Assurance and Environmental Stewardship

☒ Improve information sharing between enforcement agencies on the movement of hazardous waste across the border

☒ Use Toxics Release Inventory (in the U.S.) and the Emissions and Contaminant

☒ Transfer Registry (RETC, in Mexico) to identify top polluters of toxic releases

☒ Training and information exchange on laws and regulations of respective countries

Summary of approved Work Plan activities performed during the reporting quarter.

The Bioswale Material for South Texas Stormwater Management project concluded on March 2017. Results include that after monitoring rain fall from April 2015 to November 2016, of the five porous materials used in the different parking areas pumice is a hydrologically best performing material for the bioswale porous media.

Logistic support was provided for:

- New Mexico – Texas – Chihuahua Waste Task Force meeting, held on February 7, 2017 in Cd. Juarez, Chihuahua.
- New Mexico – Texas – Chihuahua Regional Workgroup Annual Meeting, held on February 14, 2017 in El Paso, Tx.
- Texas- Coahuila – Nuevo Leon – Tamaulipas Regional Workgroup Meeting, held on February 16, 2017 in Laredo, Tx.
- Paso Del Norte Binational Health Council-Environmental Health Committee held on March 22, 2017 in El Paso, Tx.
- Junta de los Rios (Texas – Chihuahua) Rural Task Force Meeting held on March 2, 2017 in Presidio TX
- New Mexico – Chihuahua Rural Task Force Annual Public Meeting held on March 30, 2017 in Palomas, Chih.
- New Mexico – Texas – Chihuahua Health Task Force Public Meeting held on March 30, 2017 in Las Cruces, NM.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

For more detailed information please review Attachment "A"

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

No problems have been reported.

Resolutions to Problems Previously Reported.

No problems have been reported.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

An RFP is scheduled to be announced in May, Funds of this cooperative agreement are expected to fund selected projects.

Discuss what key personnel did on the project.

Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Briselda Duarte, Armando Herrerias and Jorge Hernandez coordinated and monitored work plan activities of the projects in coordination with EPA. Marielena Constandse prepared this report. Marielena Constandse, Abril Quiroz and Javier Torres provided internal contract and grant administration and grant administration coordination with EPA.

Discuss any changes in key personnel.

None

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

N/A

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1				
Summary of Quarterly Expenses by Category (Report Period January 1 to March 31, 2017)				
Work Plan Tasks	**Approved Work Plan Budget**	**Previously Expended**	**Expenses this Quarter**	**Total Cumulative Expenses**
Task A- Logistics	$32,870	$32,870	$6,963.38	$39,833
Task B- RFP	$40,972	$40,972	$0	$40,972
Task C- Projects	$ 700,158	$559,284	$0	$559,284
Task D- BECC Presence	$ 29,636	$23,087	$5,489.99	$28,577
Task E- Emergency Response	$45,455	$45,455	$0	$45,455
Indirect Cost	$84,909	$70,166	$1,245.34	$71,411
TOTAL Cumulative Expenses	**$934,00**	**$771,833**	**$13,698.71**	**$785,532**

TABLE 2						
Budget Categories (programmatic costs only)	**Task A- Logistics**	**Task B- RFP**	**Task C- Projects**	**Task D- BECC Presence**	**Task E- Emergency Response**	**TOTAL Quarterly Expenses**
Personnel	$0	$0	$0	$3,381.34	$0	$3,381.34
Fringe Benefits	$0	$0	$0	$489.14	$0	$489.14
Travel	$0	$0	$0	$1,619.51	$0	$1,619.51
Contractual	$6,963.38	$0	$0	$0	$0	$6,963.38
Other (specify)	$0	$0	$0	$0	$0	$0
TOTAL Direct Charges	$6,963.38	$0	$0	$5,489.99	$0	$12,453.37
Indirect Costs	$696.34	$0	$0	$549.00	$0	$1,245.34
TOTAL Cumulative Expenses	$7,659.72	$0	$0	$6,038.99	$0	$13,698.71

[1]EPA defines equipment as items that cost $5,000 or more with a useful life of more than one year. Items costing less than $5,000 are considered supplies. [2]Applicants must comply with the procurement procedures contained in 40 CFR 31.36, or for non-profits, with 40 CFR30.40.

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** April 30, 2017

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ATTACHMENT "A"

THREE STATE (TX-CH-NM) BORDER 2020 - 2013 PROJECTS										
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20249	1	Mejoramiento de la Red de Monitoreo de PM10 en Ojinaga	Municipio de Ojinaga, Chihuahua Ing. Miguel Adame Baeza moadameb@hotmail.com, (626)453-2541	Ojinaga	CHIH	IH AQ	4/15/2014 17 months	$ 13,175.35 $ 13,175.35	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * A network of monitoring of PM10 fully functional. * Three training events for technical personnel * Development of a Communications Plan for air quality data through local media and information materials.
2	20260	2	Sustaining the Environment at the New Mexico-Chihuahua Border	New Mexico Environment Department Ms. Mary Rose Mary.Rose@state.nm.us	Columbus, Deming	NM	BD MC	11/4/2014 13 months	$ 36,953.43 $ 36,953.43	**Project Status:** This project concluded on December 2015. $63,037 dlls. were returned to the grant. Some of the project significant contributions were: * Completion of two presentations on health impacts and effective, low-cost methods for controlling blowing sand and soil. * Completion of four septic maintenance workshops. * Organization of the largest ever water festival held in Columbus, NM.
3	20240	2	Comunidades Unidas en Prevencion de la Contaminacion Ambiental	Adult Youth United Development Association INC Olivia Figueroa Executive Director ayudaorg1@yahoo.com (915) 851-0272	Montana Vista, Cuadrilla, Tornillo	TX	BD AQ	5/1/2014 16 months	$ 49,776.41 $ 49,776.41	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * Training program outreach, 2,332 people *Identification of septic tanks with GIS, 467 houses *Surveys conducted, 462 *Creation of mapping and database in Cuadrilla, Montana Vista, Tornillo, and Valle Bonito at El Paso County
4	20262	3	Ysleta del Sur Pueblo Community Collection Center	Ysleta del Sur Pueblo Evaristo Cruz, ecruz@ydsp.nsn.gov (915)859-7913 ext 7755	El Paso	TX	IH MC	10/1/2014 18 months	$ 65,776.92 $ 65,776.92	**Project Status:** Project finished on April 2015. The main results of the project were: * Collection of a total of 250 tires. * 10,800 pounds of electronic waste collected, 42.35 lbs per household during a 14 month period an estimate of 1.4 lbs per household per month. * 5,420 pounds of recyclables collected, 21.25 lbs per household in a 14 month period an estimate of 4.3 lbs per household per month.
5	20247	3	Reciclaje de Biosolidos en Suelos Agricolas del Valle de Juarez, Chihuahua	Universidad Autónoma de Ciudad Juárez Dr. Juan Pedro Flores Margez Tels. 656-688-1800 ext. 1561, 1976 y 1671 Servicos Agropecuarios Paso del Norte, SC Lic. Ana Irene Flores Arras	Valle de Juárez Valle de Juárez	CHIH CHIH	IH AQ IH AQ	4/13/2014 19 months 4/13/2014 19 months	$ 28,329.78 $ 28,329.78 $ 8,406.38 $ 8,406.38	**Project Status:** The Project was concluded on December 2015. Some of the project significant contributions were: The project established a sustainable program on agricultural use of biosolids, through 15 demonstration hectares. Important outputs are: * Establish a program promoting the adoption by farmers on the use of biosolids on agricultural land. * A list of volunteer farmers to continue the application of biosolids on 100 hectares in 2015 * Three field demonstrations, educational materials for 150 producers and agricultural technicians in the region.

6	**20248**	**Environmental Health**	Urban Keyhole Gardens using Rain Water Harvesting Techniques	El Paso Water Utilities Anai J. Padilla El Paso Water Utilities Phone: 915.621.2000 Email: ajpadilla@epwu.org	El Paso	TX	AH AQ	4/7/2015 13 months	$ 6,120.08 $ 6,120.08	**Project Status:** <u>This project concluded on May 2015</u>. Some of the project significant contributions were: 14 educational events, with a total of 956 attendees. The overall acceptance of the keyhole gardens, as a vegetable gardening option was well received by the public that attended the various workshops. Final report has been submitted and approved.
7	20250	Environmental Health	Estudio epidemiológico, asociados de enfermedades respiratorias y calidad de aire. Proyecto de comunicación de riesgos	COESPRIS (Comisión Estatal para la protección contra Riesgos Sanitarios en Cl. [illegible] QBP. [illegible] Montreal Tel: [illegible]	Gt. Juárez	CHIH	AR AQ		$ [illegible]	**Project Status:** Cancelled
									$ 251,826.36	
									$ 208,750.36	

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2012 - 2013 PROJECTS										
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20241	1	Characterizing Drayage Activities and Emissions in Laredo-Nuevo Laredo Airshed	Texas A&M Transportation Institute (TTI) Farzaneh, Reza Research Engineer m-farzaneh@tamu.edu (512) 407-1118	Laredo	TX	JH AQ	9/1/2014 18 months	$ 89,750.00 $ 89,750.00	**Project Status:** The project concluded on March 2016. Some of the project significant contributions were: Important air quality impacts of drayage trucks in the region; specifically, the results show that the Colombia bridge crossing is the most utilized port of entry in the region, and is associated with relatively high emissions caused by high truck volumes and slow speeds, therefore high emissions adjacent to urban area of both Laredos.
2	20258	2	Determining the Ideal Bioswale Material for South Texas Stormwater Management	The University of Texas Pan American Jungseok Ho, Ph.D., P.E. (956) 665-3104, hoj@utpa.edu	Edinburgh	TX	AH AQ	12/1/2014 24 months	$ 26,022.00 $ 23,434.15	**Project Status:** The Bioswale Material for South Texas Stormwater Management project concluded on March 2017. Results include that after monitoring rain fall from April 2015 to November 2016, of the five porous materials used in the different parking areas pumice is a hydrologically best performing material for the bioswale porous media.
3	20245	2	Conservación del Arroyo Las Vacas en Ciudad Acuña, Coahuila, Mexico	SECRETARÍA DE MEDIO AMBIENTE DEL ESTADO DE COAHUILA Alejandra Carrera alejandra.carrera@semarnat.gob.mx (844) 4100014	Acuña	COAH	BD AQ	7/14/2014 22 months	$ 34,605.92 $ 34,605.92	**Project Status:** The project concluded on May 2016. Some of the project significant contributions are: a) Binational group created among SEMA Coahuila, TCEQ, Acuna City, Tec of Acuna, CILA, IBWC, UT Austin CONANP. b) Diagnostic Report with inventory data of existing vegetation and species along the 26km of the Acuña river, GIS maps accessible to the public. c) Close out of 35 wastewater illegal dumping sites in 2015. d) Reforestation with 225 native trees. e) Binational workshop on water quality with Tecnologico de Acuña and Texas A&M at Austin.
4	20246	3	Diagnóstico de generación de residuos en la región fronteriza norte	Secretaría de Desarrollo Sustentable, Gobierno del Estado de Nuevo León Lic. Norma Rangel Sevilla, normaarangel@gmail.com, (81)2033-1930	Sabinas Hidalgo, NL	NL	JH MC	4/1/2014 15 months	$ 17,457.39 $ 17,457.39	**Project Status:** This project concluded on August 2015. Some of the project significant contributions were: * Characterization of waste in the municipality * Generation of a manual on handling e-waste * Action plan developed
5	20243	3	Keeping Pharr Beautiful Starts at Home	City of Pharr, Public Works Department Grace Segovia, M.A. City of Pharr, Public Works Department Phone: (956) 402-4350 grace.segovia@pharr-tx.gov	Pharr	TX	AH AQ	4/7/2014 20 months	$ 19,830.86 $ 19,830.86	**Project Status:** This project concluded on December 2013. Some of the project significant contributions were: * The reduction in illegal dumping cases from 350 in 2013 to 100 in 2014. * The number of tires collected by city workers decreased from 4,991 in 2013 to 4,520 in 2014.

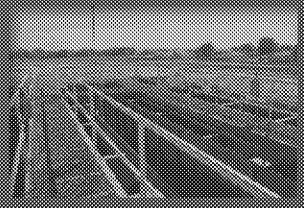
6	20255	3	Alamo Recycling TEAM Includes Everyone (ARTIE)	City of Alamo Melisa Gonzales Storm Water Manager Phone: 956-787-0006 x 140 mgonzales@alamotexas.org	Alamo	TX	AH AO	4/21/2014 24 months	$ $	54,438.00 54,836.16	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven sanitation model that can be easily replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implementation of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
7	20253	3	Manejo, Gestión y Control de Grasas y Aceites	Comisión Municipal de Agua Potable y Alcantarillado Marisela Flores floresmariela@hotmail.com (867) 712-5399	Nuevo Laredo	TAMPS	BD MC	6/3/2014 17 months	$ $	6,497.10 6,497.10	**Project Status:** This project concluded on February 2016. Some of the project significant contributions were: 449 establishments trained, giving them the necessary tools to establish procedures in its companies to raise their compliance, to strengthen the compromise among employees, creating a synergy with the operator body. 56 of these establishments will continue to be monitor by COMAPA to ensure environmental compliance and 13 establishments set up lats and oils traps. 86% of visited users comply with established procedures and are implementing the strategies presented in the workshops.
8	20252	Environmental Health	Promotora-Led Environmental Health Education for Children	La Amistad AHEC / Southwest Border AHEC Rose Martinez 830.758.1111 rose.martinez@swbahec.org	Eagle Pass	TX	AH MC	6/16/2014 17 months	$ $	69,043.50 69,043.50	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven Sanitation Model that can be successfully replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implementation of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
9	20251	Environmental Health	Planeación de un Modelo de Información de la frontera Texas/Mexico	El Colegio de la Frontera Norte, A.C. Dr. Felipe Javier Uribe Salas Tel. (878) 782 7207 Texas A&M HSC Dr. Gerry Carrillo Phone: 956.668.6371 gcarrillo@tamhsc.edu	Piedras Negras Piedras Negras	COAH COAH	BD MC BD MC	5/15/2014 18 months 5/15/2014 18 months	$ $ $ $	19,140.15 19,140.15 15,958.30 15,958.30	**Project Status:** The project concluded on April 2016. Some of the project significant contributions are: a) Identification of agencies who manage health information in the region. b) Organization of a working group to discuss the information on environment and health, among: TCEQ, COLEF, SEMA Coahuila, Texas A&M McAllen Campus. c) MOU agreement between Colef and SEMA Coahuila to share health information and define health indicators. d) Diagnostic report with the identification of sources of environmental information with health associated diseases.

10	20270	Environmental Health	McAllen-Mission-Pharr/Reynosa Hazards in Transportation Binational Training and Exercise	City of McAllen Juan Gloria (956)681-2540 jgloria@mcallen.net	McAllen	TX	BD	4/24/2015	$ 45,455.00	**Project Status:** The Project concluded on December 2015. Some of the project significant contributions were: * Update of the Regional Sister City Plan e-directory * Training on HAZMAT response on International border crossing on Sept. 2015.
							MC	5 months	$ 45,455.00	

	$	398,578.22
	$	395,898.53
Total Approved	$	650,404.58
Total Disbursed	$	604,648.89

Updated March 31, 2017

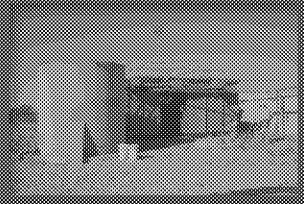
EPA Region 6



QUARTERLY REPORT

January – March 2018

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-00F92501



Submitted by:
Javier Torres, Technical Assistance Manager

Banco de Desarrollo de América del Norte
North American Development Bank

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-00F92501

Grant Period: Sep. 17, 2004 – Aug. 31, 2019

REPORTING PERIOD:

January – March 2018

TO:
Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:
Javier Torres
North American Development Bank
Technical Assistance Manager

April 30, 2018, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-00F92501

Contact:

Primary Contact Name: **Javier Torres**
Organization: North American Development Bank
Telephone & Fax: 01-656-688-4600 Email: jtorres@nadb.org

Reporting Period (please check appropriate period):

- ☐ July 1 – September 30, 2017, Reporting period: report due on October 30, 2017
- ☐ October 1 – December 31, 2017, Reporting period: report due on January 30, 2018
- ☒ January 1 – March 31, 2018, Reporting period: report due on April 30, 2018
- ☐ April 1 – June 30, 2018, Reporting period: report due on July 30, 2018
- ☐ July 1 – September 30, 2018, Reporting period: report due on October 30, 2018
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- ☐ January 1 – March 31, 2019, Reporting period: report due on April 30, 2019
- ☐ April 1 – June 30, 2019, Reporting period: report due on July 30, 2019
- ☐ July 1 – August 30, 2019, Reporting period: report due on September 30, 2019

Check here if this is the final reporting period under your grant ☐

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

None to report.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

GOAL 1. - *Reduce Air Pollution*

Objective 1. - By 2020, in accordance with the NAFTA, promote the reduction of the number of vehicles operating in the border region that do not comply with the respective vehicle emissions' standards and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible reduction measures.

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- **Project type 1:** Support the development of vehicle emissions programs in collaboration with governmental entities in order to improve compliance, enhance detection and correction of non-compliance vehicles. In addition, capacity building activities to reduce air pollution, in the border cities or at the Ports of Entry (POE), which may include the enforcement of environmental compliance at the time of used vehicle importation.

Objective 2.- By 2020, reduce pollutant emissions in order to approach attainment of respective national ambient air quality standards (i.e. National Ambient Air Quality Standards (NAAQS) or Norms as they are referred in Mexico) in the El Paso, Texas–Dona Ana County, New Mexico and at State of Chihuahua's border cities' air sheds.

- **Project type 1:** Establish joint collaboration strategies with governmental and/or non-governmental regulatory and planning agencies to identify and implement air pollutant reduction strategies to achieve better air quality in the Paso del Norte region (PdN). Projects should promote, expand, and be consistent with the strategies identified in PROAIREs (Mexico's air shed management plan) or U.S. Clean Air Act (USCAA) State Implementation Plans (SIPs.)

Objective 3. – By 2018, maintain effective Ambient Air Quality Monitoring Network (AAQMN) and provide real-time access to air quality data produced at New Mexico/Texas /Mexico air sheds.

- **Project Type 1:** Initiatives for this objective should aim to ensure the long term sustainability and data quality for the El Paso, Texas – Ciudad Juarez, Chihuahua air quality monitoring network.

GOAL 2: ***Water – Improve Access to Clean and Safe Water***

- **Project type 1:** Efforts under this goal should be targeted to capacity building proposals that incorporate replication strategies, on proper maintenance and/or decommissioning of septic tanks, water conservation and pollution prevention in order to better understand, plan and maintain cleanup sources of drinking water on future groundwater supplies in New Mexico-Texas-Chihuahua border, specifically in Dona Ana County, New Mexico (particularly those communities along the corridor between El Paso, Texas and Las Cruces, New Mexico) and Luna County, New Mexico and El Paso County, Texas.

Objective 2. - Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.

- **Project type 1:** Conduct energy and/or water audits on small water drinking systems that serve communities with less than a population of 5,000 users, to identify recommendations on how to improve efficiency and provide cost-savings measures for that system.
- **Project type 2:** Outreach and education to improve water quality within the Gulf Task Force Region.

Objective 3. - Work bi-nationally to identify and reduce surface water contamination in Trans - boundary water bodies and watersheds.

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Objective 3a. - Develop a binational watershed protection plan in the Lower Rio Grande below Falcon International Dam. Initial activities could include partnership building, watershed characterization, definition of goals/identification of solutions, determination of waste load, load allocations for each country, and development of an implementation plan.

- **Project type 1:** Continue to support activities that meet objective 3a– The proposals should address any water quality sampling and collection, data analysis, modeling and surveys still required by the bi-national workgroup on this project. In addition, the work should also support any additional training or workshops needed, among others, by the Amistad and Falcon Task Force, as well by the Texas-Coahuila-Nuevo Leon –Tamaulipas, Regional Work Group.

GOAL 3: ***Promote Materials Management & Waste Management, & Clean Sites***

Objective 1. - By 2020, increase local and state-level institutional knowledge and experience in the area of sustainable material management practices.

- **Project type 1**: Proposals should be aimed to build capacity and establish strategies to improve infrastructure to minimize waste, maximize collections systems, support secondary materials markets, and reduce overall disposal in landfills and open dumps.

Objective 2. - Identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.

- **Project type 1:** Identify priority waste streams in the municipalities from Four States region and develop sustainable waste management programs for those municipalities to include strengthening the market value of the waste.
- **Project type 2:** Develop sustainable management practices to address used electronics, household hazardous waste, and tires in the Region which will include an educational component to promote recycling and solid waste practices.

GOAL 4: ***Enhance Joint Preparedness for Environmental Response***

Objective 2. - By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building

- **Project type 1:** Conduct bi-national training to both U.S. and Mexican local emergency responders, on incidents involving Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE), and/or all hazards response skills enabling them to respond safely and effectively to these types of incidences.
- **Project type 2:** Conduct bi-national training to U.S. and Mexican local emergency responders, specifically on HAZMAT incidences only.
- **Project type 3:** Conduct bi-national: 1) tabletop drill with functional drill/exercise or 2) Full Scale Drill/Exercises to test local sister city plans. In order to meet the definition of bi-national, the drills/exercises should go beyond a simple notification to the local sister-city pair and demonstrate actual coordination of resources (expertise, equipment, personnel, etc.) between the sister-cities.
- **Project type 4:** Develop a hazardous materials risk analysis.

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GOAL 5. – Enhance *Compliance Assurance and Environmental Stewardship*

Objective 4. - By 2020, implement at least five (5) binational workshops targeted to environmental enforcement professionals, including ports-of-entry customs professionals (i.e. Department of Homeland Security-Customs and Border Protection), to promote the exchange of information and improve understanding of each Country's respective compliance and enforcement programs and tools, including field studies.

- **Project type 1:** Proposals should consider events for information exchange to improve understanding each Country's respective compliance and enforcement programs and tools including field inspections and case development practices.

Fundamental Strategies

Promoting Environmental Health

- **Project type 1:** Projects presented under this fundamental strategy should increase engagement and participation by the community and stakeholders to better manage the environment and public health issues along the border.

Building Capacity towards Climate Change Resiliency

- **Project type 1**: The Border 2020 climate change efforts should focus on reducing greenhouse gas (GHG) emissions and on actions to help border communities become more resilient to the effects of climate change.

Summary of approved Work Plan activities performed during the reporting quarter.

Projects in progress during reporting period:

Project ID	Goal	Objective	Project Name	Status
20298	3	1	Sewage Sludge and Biosolids Agricultural Soils Project in the Valle de Juarez, Chihuahua	Project Status: Attended meetings of District Rural Development Councils convened by SAGARPA to continue the dissemination and activation of the Commission for the Use of Biosolids; collected and analyzed all the information that has been obtained in the activities and supported the Project Director in writing the final report of the project. The final report will be delivered by June 30, 2018
20297	2	2	Decision Making Tool (DMT[G]) for Determining LID Stormwater Detention, Brownsville, Texas	Project Status: Activities for this quarter include the development of a website for the project; the modeling runs for the Tool were completed in 2017, and the DMT will be finalized and rolled out through workshops in Spring 2018. For this reason, a project no-cost extension is recommended and will be requested through July 31, 2018.

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Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

None to report.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

None

Resolutions to Problems Previously Reported.

None to report.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

Continue with the development of active projects.

Discuss what key personnel did on the project.

Briselda Duarte and Jorge Hernandez coordinated project development activities with EPA and sponsors. Marielena Constandse prepared this report and provided Contract Administration. Javier Torres provided Grant Administration coordination with EPA. Joaquin Marruffo supervised the execution of the project activities.

Discuss any changes in key personnel.

No personnel changes have taken place.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

None to report.

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement***.

TABLE 1				
Summary of Quarterly Expenses by Category (Report Period January 1 to March 31, 2018)				
Work Plan Tasks	**Approved Work Plan Budget**	**Previously Expended**	**Expenses this Quarter**	**Total Cumulative Expenses**
Task A- Projects	$ 278,255.00	$192,428	$6,239	$198,667
Task B- Emergency Response	$ 26,290.00	$25,055	$0	$25,055
Indirect Cost	$30,455.00	$21,748	$624	$22,372
TOTAL Cumulative Expenses	**$335,000.00**	**$239,231**	**$6,863**	**$246,094**

TABLE 2			
Budget Categories (programmatic costs only)	**Task A Projects**	**Task B Emergency Response**	**TOTAL Quarterly Expenses**
Personnel	$0	$0	$0
Fringe Benefits	$0	$0	$0
Travel	$0	$0	$0
Equipment	$0	$0	$0
Other (specify)	$6,239.12	$0	$6,239.12
TOTAL Direct Charges	$6,239.12	$0	$6,239.12
Indirect Costs	$623.91	$0	$623.91
TOTAL Cumulative Expenses	$6,863.03	$0	$6,863.03

[1]EPA defines equipment as items that cost $5,000 or more with a useful life of more than one year. Items costing less than $5,000 are considered supplies.
[2]Applicants must comply with the procurement procedures contained in 40 CFR 31.36, or for non-profits, with 40 CFR30.40.

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** April 30, 2018

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ATTACHMENT "A"

THREE STATE (TX-CHIH-NM) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Goal/ Fund. Stategy	Objective	Project Name	Project Implementer / Contact Information	BECC Contract Officer & Project Manager	Amount Approved / Amount Disbursed	STATUS
1	20298	3	1	**Sewage Sludge and Biosolids Agricultural Soils project in the Valle de Juarez, Chihuahua**	Universidad Autónoma de Cd. Juárez	Jorge Hernandez (PM)	$ 48,510.00 $ 11,743.08	**Project Status:** Attended meetings of District Rural Development Councils convened by SAGARPA to continue the dissemination and activation of the Commission for the Use of Biosolids; collected and analyzed all the information that has been obtained in the activities and supported the Project Director in writing the final report of the project. The final report will be delivered by June 30, 2018
2	20303	FS	N/A	**Healthy and Resilient Housing in west Ciudad Juarez, Chihuahua**	Federacion Mexicana de Asociaciones Privadas de Salud y Desarrollo Comunitario, A.C.	Briselda Duarte (PM)	$ 50,000.00 $ 47,106.10	**Project Status:** Project progress of 98%; ecological technologies completed in 50 homes, manual on energy savings completed as well. Project will be finished on January 2018, waiting on final report and factsheet.
3	20302	FS	N/A	**Green Infrastructure in Public Space on Valle del Sol Avenue, Ciudad Juarez, Chihuahua**	Instituto Tecnológico de Ciudad Juarez	Joaquin Marrufo (PM)	$ 42,231.02 $ 42,231.02	**Project Status:** Project concluded on December 2017. Some of the most relevant outputs and outcomes are: Monitoring of rain water volume occurred during 17 months, from July 2016 to November 2017, with a total volume collected of 472,502.33 gallons of rainwater. To have a clearer understanding of the results, consider a 12-month period, where precipitation was of 13.79 in, resulting in a capture volume of 436,203 gal. Regarding the contaminants analyses, there was not enough rainwater volume to have a representative sample to be tested. In reference to the vegetation, there was an acceptable surviving index of the planted trees and bushes. The park has not had the need for irrigation, since rainwater does its part. Finally, with the green infrastructure project, the social value of the park increased.
						Amount Approved	$ 140,741.02	
						Amount Disbursed	$ 101,080.20	

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Goal/ Fund. Stategy	Objective	Project Name	Project Implementer / Contact Information	BECC Contract Officer & Project Manager	Amount Approved / Amount Disbursed	STATUS
1	20270	4	2	Hazardous Materials First Responders Binational Training in McAllen, Mission, Pharr, TX and Reynosa, Tamaulipas	City of McAllen Juan Gloria (956)681-2540 jgloria@mcallen.net	Marielena Constandse (CO) / Briselda Duarte (PM)	$ 25,055.00 $ 25,055.00	**Project Status:** Project concluded on February. Some of the significant project contributions are: - Increase hazmat response skills and capabilities to first responders in McAllen, Mission and Pharr Fire Departments and first responders from northern Mexico. - Equipment will also be used in future binational trainings.
2	20255	3	1	Comprehensive Solid Waste Management Project in Rio Bravo and Valle Hermoso, Tamaulipas	Secretaria de Medio Ambiente	Jorge Hernandez (PM)	$ 19,871.16 $ 19,871.16	**Project Status:** The two municipal programs have been completed, and in August 10 and 24 they were presented for approval by the respective city councils. Some of the significant project contributions are: + The generation and waste composition studies allow both communities to know the type and amount of waste generated per inhabitant and could be marketed. The studies also calculate the areas required for the final disposal site according to their generation. + Both programs have been completed, and presented for approval by the respective city councils.
3	20255	3	1	Interagency coordination for the management of electronic and electrical waste in Ciudad Acuna and Piedras Negras, Coahuila	Secretaria de Medio Ambiente del Estado de Coahuila de Zaragoza	Jorge Hernandez (PM)	$ 16,898.67 $ 16,898.67	**Project Status:** The project concluded in March 2017. The results of the project are: Collection of 56 tons of electronic waste (25 tons were targegted), which included 3 campaigns of massive collection of e-waste in several municipalities, 36 public and private organizations were trained and supported the campaign. A permanent collection of electronic waste was opened in Ciudad Acuña.

4	20297	4	2	Binational Tabletop and Functional Exercises between Harlingen, TX and Matamoros, Tamaulipas.	City of Harlingen Fire Department	Briselda Duarte (PM)	$ 44,682.30 $ 44,682.30	**Project status:** The project concluded in August. Some of the significant project contributions are: -Training of 19 officers and students from Harlingen (2), Mission (2), Brownsville (1) and Matamoros (14). -Harlingen and Matamoros have established the ability to implement standardized response and real time communication in the event of Hazardous Materials incidents. -A foundation for enhanced emergency response and cooperative incident management has been created
5	20297	2	2	**Decision Making Tool (DMT[G])** for Determining LID Stormwater Detention in Bronwsville, Texas	Texas A&M University-Kingsville	Jorge Hernandez (PM)	$ **38,885.00** $ **15,769.89**	**Project Status:** Activities for this quarter include the development of a website for the project; the modeling runs for the Tool were completed in 2017 and the DMT, will be finalized and rolled out through workshops in Spring 2018. For this reason, a project no-cost extension is recommended and will be requested through July 31, 2018

Updated March 31, 2018

Amount Approved	$	145,392.13
Amount Disbursed	$	122,277.02

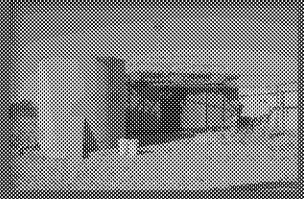
Total Approved	$	286,133.15
Total Disbursed	$	223,357.22

EPA Region 6

QUARTERLY REPORT

January – March 2018

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-01F04901



Submitted by:
Javier Torres, Technical Assistance Manager

Banco de Desarrollo de América del Norte
North American Development Bank

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-01F04901

Grant Period: August 12, 2015 – October 31, 2019

REPORTING PERIOD:

January - March 2018

TO:

Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:

Javier Torres
North American Development Bank
Technical Assistance Manager

April 30, 2018, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-01F04901

Contact:

Primary Contact Name: **Javier Torres**
Organization: North American Development Bank
Telephone & Fax: 01-656-688-4600 Email: jtorres@nadb.org

Reporting Period (please check appropriate period):

- ☐ July 1 – September 30, 2017, Reporting period: report due on October 30, 2017
- ☐ October 1 – December 30, 2017, Reporting period: report due on January 30, 2018
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- ☐ July 1 – August 30, 2019, Reporting period: report due on October 30, 2019

Check here if this is the final reporting period under your grant ☐

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

No growth is expected for the projects under-development at this time.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

ED_002319B_00013106-00003

GOAL 1. - *Reduce Air Pollution*

Objective 1. - By 2020, in accordance with the NAFTA, promote the reduction of the number of vehicles operating in the border region that do not comply with the respective vehicle emissions' standards and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible reduction measures.

- **Project type 1:** Support the development of vehicle emissions programs in collaboration with governmental entities in order to improve compliance, enhance detection and correction of non-compliance vehicles. In addition, capacity building activities to reduce air pollution, in the border cities or at the Ports of Entry (POE), which may include the enforcement of environmental compliance at the time of used vehicle importation.

Objective 2.- By 2020, reduce pollutant emissions in order to approach attainment of respective national ambient air quality standards (i.e. National Ambient Air Quality Standards (NAAQS) or Norms as they are referred in Mexico) in the El Paso, Texas–Dona Ana County, New Mexico and at State of Chihuahua's border cities' air sheds.

- **Project type 1:** Establish joint collaboration strategies with governmental and/or non-governmental regulatory and planning agencies to identify and implement air pollutant reduction strategies to achieve better air quality in the Paso del Norte region (PdN). Projects should promote, expand, and be consistent with the strategies identified in PROAIREs (Mexico's air shed management plan) or U.S. Clean Air Act (USCAA) State Implementation Plans (SIPs.)

Objective 3. – By 2018, maintain effective Ambient Air Quality Monitoring Network (AAQMN) and provide real-time access to air quality data produced at New Mexico/Texas /Mexico air sheds.

- **Project Type 1:** Initiatives for this objective should aim to ensure the long term sustainability and data quality for the El Paso, Texas – Ciudad Juarez, Chihuahua air quality monitoring network.

Objective 5. - By 2020, reduce emissions and associated impacts through energy efficiency and/or alternative/renewable energy projects.

Possible projects could include: Border-wide training for border stakeholders in instituting and sustaining urban energy efficiency measures; green building training/workshops; forums in which states, localities, non-governmental organizations (NGOs) and industry can share program information and technologies; and energy efficiency co-benefits through reduction of criteria air contaminant emissions (stationary and vehicle sources)

GOAL 2: *Water – Improve Access to Clean and Safe Water*

- **Project type 1:** Efforts under this goal should be targeted to capacity building proposals that incorporate replication strategies, on proper maintenance and/or decommissioning of septic tanks, water conservation and pollution prevention in order to better understand, plan and maintain cleanup sources of drinking water on future groundwater supplies in New Mexico-Texas-Chihuahua border, specifically in Dona Ana County, New Mexico (particularly those communities along the corridor between El Paso, Texas and Las Cruces, New Mexico) and Luna County, New Mexico and El Paso County, Texas.

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Objective 2. - Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.

- **Project type 1:** Conduct energy and/or water audits on small water drinking systems that serve communities with less than a population of 5,000 users, to identify recommendations on how to improve efficiency and provide cost-savings measures for that system.
- **Project type 2:** Outreach and education to improve water quality within the Gulf Task Force Region.

Objective 3. - Work bi-nationally to identify and reduce surface water contamination in Trans - boundary water bodies and watersheds.

Objective 3a. - Develop a binational watershed protection plan in the Lower Rio Grande below Falcon International Dam. Initial activities could include partnership building, watershed characterization, definition of goals/identification of solutions, determination of waste load, load allocations for each country, and development of an implementation plan.

- **Project type 1:** Continue to support activities that meet objective 3a– The proposals should address any water quality sampling and collection, data analysis, modeling and surveys still required by the bi-national workgroup on this project. In addition, the work should also support any additional training or workshops needed, among others, by the Amistad and Falcon Task Force, as well by the Texas-Coahuila-Nuevo Leon –Tamaulipas, Regional Work Group.

GOAL 3: ***Promote Materials Management & Waste Management, & Clean Sites***

Objective 1. - By 2020, increase local and state-level institutional knowledge and experience in the area of sustainable material management practices.

- **Project type 1**: Proposals should be aimed to build capacity and establish strategies to improve infrastructure to minimize waste, maximize collections systems, support secondary materials markets, and reduce overall disposal in landfills and open dumps.

Objective 2. - Identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.

- **Project type 1:** Identify priority waste streams in the municipalities from Four States region and develop sustainable waste management programs for those municipalities to include strengthening the market value of the waste.
- **Project type 2:** Develop sustainable management practices to address used electronics, household hazardous waste, and tires in the Region which will include an educational component to promote recycling and solid waste practices.

ED_002319B_00013106-00005

GOAL 4: ***Enhance Joint Preparedness for Environmental Response***

Objective 2. - By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building

- **Project type 1:** Conduct bi-national training to both U.S. and Mexican local emergency responders, on incidents involving Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE), and/or all hazards response skills enabling them to respond safely and effectively to these types of incidences.
- **Project type 2:** Conduct bi-national training to U.S. and Mexican local emergency responders, specifically on HAZMAT incidences only.
- **Project type 3:** Conduct bi-national: 1) tabletop drill with functional drill/exercise or 2) Full Scale Drill/Exercises to test local sister city plans. In order to meet the definition of bi-national, the drills/exercises should go beyond a simple notification to the local sister-city pair and demonstrate actual coordination of resources (expertise, equipment, personnel, etc.) between the sister-cities.
- **Project type 4:** Develop a hazardous materials risk analysis.

GOAL 5. – Enhance ***Compliance Assurance and Environmental Stewardship***

Objective 4. - By 2020, implement at least five (5) binational workshops targeted to environmental enforcement professionals, including ports-of-entry customs professionals (i.e. Department of Homeland Security-Customs and Border Protection), to promote the exchange of information and improve understanding of each Country's respective compliance and enforcement programs and tools, including field studies.

- **Project type 1:** Proposals should consider events for information exchange to improve understanding each Country's respective compliance and enforcement programs and tools including field inspections and case development practices.

Fundamental Strategies

Promoting Environmental Health

- **Project type 1:** Projects presented under this fundamental strategy should increase engagement and participation by the community and stakeholders to better manage the environment and public health issues along the border.

Building Capacity towards Climate Change Resiliency

- **Project type 1**: The Border 2020 climate change efforts should focus on reducing greenhouse gas (GHG) emissions and on actions to help border communities become more resilient to the effects of climate change.

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Summary of approved Work Plan activities performed during the reporting quarter.
Projects in progress during reporting period:

Project ID	Goal / Fund. Strategy	Objective	Project Name	Status
20288	1	1	Improvements to Environmental Services in Cattle Ranches via Livestock Grazing, Ascensión, Chihuahua.	Project Status: Project delayed, final due date May 2018. Tasks to be finished: groundwater monitoring, air monitoring, and soil carbon monitoring.
20290	2	3	The Rio Grande/Río Bravo Water Quality Initiative, Laredo, Texas.	Project Status: CILA requested a new facilitator to join the team; as a result, focus group meetings will likely occur in May. A project extension request was approved; completion date is June 2018.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

There are no performance outputs and outcome to report at the project level.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

No problems have been reported.

Resolutions to Problems Previously Reported.

No problems have been reported.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

- Coordinate with the sponsors the implementation of the active projects in accordance with the approved workplans.

- Nine projects were selected for implementation and funding under this grant. Activities for the next three months include coordinating with the sponsors the implementation of the projects in accordance with the approved workplans.

- Five projects were selected for Three State Region under this grant:
    1. Climate and Air Quality Network UACJ, Ciudad Juarez, CHIH.
    2. Reduction of Emissions Through Collective Transportation Infrastructure, Ciudad Juarez, CHIH / El Paso, TX.
    3. Safe Drinking Water for US/Mexico Border Colonias, El Paso, TX and Ciudad Juarez, CHIH.
    4. RESET 17: Innovation for the Future, El Paso, TX and Ciudad Juarez, CHIH.
    5. Green Infrastructure in the Paso del Norte Region: Seminar, Implementation Guide, Ciudad Juarez, CHIH.

- Three projects were selected for Four States Region under this grant:
    1. Strategy for Reduction and Prevention of Disasters in Ciudad Acuña, COAH.
    2. Agrochemicals and their Risks to Health and the Environment, Frontera de Tamaulipas
    3. Transforming Urban Compacted Land into Infiltration Field, Edinburg, TX

- One project was selected border wide under this grant:
    1. U.S.-Mexico Borderlands GIS Mapping, BORDER WIDE.

Discuss what key personnel did on the project.

Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Briselda Duarte, and Jorge Hernandez manage the implementation of the projects in close coordination with EPA. Marielena Constandse prepared this report. Marielena Constandse, Abril Quiroz and Javier Torres provided RFP coordination and Grant Administration.

Discuss any changes in key personnel.

There are no changes to report.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

N/A

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1

Summary of Quarterly Expenses by Category (Report Period January 1 to March 31, 2018)

Work Plan Tasks	Approved Work Plan Budget	Previously Expended	Expenses this Quarter	Total Cumulative Expenses
Task A - RFP	$108,091	$94,589	$11,676	$106,265
Task B - Projects	$600,584	$152,352	$0	$152,352
Task C – Logistical Support	$23,143	$0	$0	$0
Indirect Cost	$73,182	$24,694	$1,168	$25,862
TOTAL Cumulative Expenses	**$805,000**	**$271,636**	**$12,843**	**$284,479**

TABLE 2

Budget Categories (programmatic costs only)	Task A- RFP	Task B- Projects	Task C- Logistical Support	TOTAL Quarterly Expenses
Personnel	$10,115.19	$0	$0	$10,115.19
Fringe Benefits	$1,560.35	$0	$0	$1,560.35
Travel	$0	$0	$0	$0
Contractual	$0	$0	$0	$0
Other (specify)	$0	$0	$0	$0
TOTAL Direct Charges	$11,675.54	$0	$0	$11,675.54
Indirect Costs	$1,167.56	$0	$0	$1,167.56
TOTAL Cumulative Expenses	$12,843.10	$0	$0	$12,843.10

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What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** April 30, 2018

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ATTACHMENT "A"

THREE STATE (TX-CHIH-NM) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20288	**Improvements to Environmental Services in Cattle Ranches via Livestock Grazing, Ascensión, Chihuahua.**	Universidad Autónoma de Chihuahua – Facultad de Zootecnia y Ecología	Ascension, Chih.	Briselda Duarte (PM)	7/15/2016	$ 41,388.00	**Project Status:** Project delayed, final due date May 2018. Tasks to be finished: groundwater monitoring, air monitoring, and soil carbon monitoring.
						7/31/2017	$ 23,031.84	

Amount Approved	$	41,388.00
Amount Disbursed	$	23,031.84

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20283	**Energy Efficiency Workshop for Public Lighting Systems, Reynosa, Tamaulipas.**	Secretaria de Desarrollo Urbano y Medio Ambiente	Reynosa, Tamps	Briselda Duarte (PM)	2/22/2016 5/2/2016	$ 9,330.33 $ 9,330.33	Project Status: Concluded on August 2016. Technical training provided to 30 technical officials from the municipalities of Nuevo Laredo, Guerrero, Mier, Miguel Aleman, Camargo, Diaz Ordaz, Reynosa, Rio Bravo, Valle Hermoso and Matamoros, Tamaulipas. Thirty (30) energy efficiency guidelines including maintenance recommendations to reduce Kwh electrical consumption were revised.
2	20293	**Legislative Reform and Environmental Education, Nuevo Laredo, Tamaulipas.**	Universidad Autónoma de Tamaulipas en Nuevo Laredo	Nuevo Laredo, Tamps	Briselda Duarte (PM)	5/26/2016 5/2/2017	$ 11,000.00 $ 9,078.04	Project Status: Project Status: Work Plan activities were completed. Nuevo Laredo upgraded its municipal code. More than 2000 students and 20 inspectors informed.
3	20295	**Comprehensive E-Waste Management in Piedras Negras, Coahuila and Eagle Pass, Texas.**	Grupo Ecológico Green Tec-Osos del Instituto Tecnológico de Piedras Negras	Piedras Negras, Coahuila and Eagle Pass, Texas	Jorge Hernandez (PM)	1/21/2016 7/18/2017	$ 35,054.00 $ 25,270.21	Project Status: Project concluded on August 2017. Some of the project significant contributions are: 47 tons of e-waste collected in Piedras Negras and 15 tons in Eagle Pass. 40,000 inhabitants were visited in 22 colonias in Piedras Negras. A workshop was conducted at ITPN for 55 Green TEC associates. A health and environment conference was held to promote the e-waste recycling. The main promotion of the project was a walk performed in March 2016 with more than 1200 participants. A permanent collection center was established in the public works department at Piedras Negras.
4	20290	**The Rio Grande/Rio Bravo Water Quality Initiative, Laredo Texas**	The University of Texas at Austin	Laredo, TX.	Briselda Duarte (PM)	2/22/2016 8/31/2017	**$58,575.00** **$ 30,260.16**	**Project Status:** CILA requested a new facilitator to join the team; as a result, focus group meetings will likely occur in May. A project extension request was approved; completion date is June 2018.

5	20291	**Fat, Oil and Grease (FOG) Public Outreach Campaign, Brownsville, Texas**	Brownsville Public Utilities Board	Brownsville, TX	Briselda Duarte (PM)	2/22/2016 2/2/2017	**$21,471.05** $ 21,471.05	**Project Status:** Project concluded on May 2017. Some of the project significant contributions are: • 12.58% reduction in service calls received by BPUB related to fats, oil and grease issues • 84 public outreach and trainings • 1713 participating residents and business owners.
6	20293	**Awareness and Discharge Control Rules**	Junta de Aguas y Drenaje de la Ciudad de Matamoros	Matamoros, Tamps	Briselda Duarte (PM)	TBD TBD	$25,000.00	**Project Status:** Cancelled due to an unacceptable legal framework to implement the customer municipal code. It was suggested to reapply for funding in the next RFP, once the municipal program is legally approved.
7	20294	**Let's Clean it Up and Green it Up, Pharr, Texas**	City of Pharr, Recycling Center	Pharr, TX	Jorge Hernandez (PM)	2/22/2016 4/2/2017	$ 33,910.47 $ 33,910.47	**Project Status:** Project concluded on May 2017. Some of the project significant contributions are: The city of Pharr participated on over 100 occasions where environmental education was discussed. More than 20 meetings, 40 events and about 50 presentations were given to students and/or residents on environmental issues. During the 14-month period of the project implementation, over 20,000 used tires were collected. The project included the 96-gallon recycling containers for advertising purposes.

Updated March 31, 2018

Amount Approved	$	195,340.85
Amount Disbursed	$	129,320.26

Total Approved	$	236,728.85
Total Disbursed	$	152,352.10

THREE STATE (TX-CHIH-NM) BORDER 2020 - 2017 PROJECTS

No.	Project ID	Goal / Fund. Strategy	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20325	1	**Climate and air quality network UACJ, Ciudad Juarez, CHIH.**	Universidad Autónoma de Ciudad Juárez Víctor Hernández Jacobo vihernan@uacj.mx	Ciudad Juarez, CHIH.	JH/AQ		$ 29,400.00	**Project Status:**
2	20326	1	**Reduction of Emissions Through Collective Transportation Infrastructure, Ciudad Juarez, CHIH / El Paso TX.**	IMIP Juárez Álvaro Roberto Manuel Mora Palacios/ Alberto Nicolás López Duarte nlopez@imip.org.mx imip@imip.org.mx	Ciudad Juarez, CHIH / El Paso TX	JH/AQ		$ 61,220.00	**Project Status:**
3	20327	2	**Safe drinking water for US/Mexico border Colonias, El Paso TX and Ciudad Juarez CHIH.**	UTEP Ivonne Santiago isantiago@utep.edu	El Paso TX and Ciudad Juarez CHIH.	BD/AQ		$ 79,636.00	**Project Status:**
4	20314	2	**RESET 17: Innovation for the Future, El Paso, TX and Ciudad Juarez, CHIH.**	Fundación AXCEL A.C. Nancy Estrada nancy@funax.org	El Paso, TX and Ciudad Juarez, CHIH.	BD/AQ		$ 29,444.44	**Project Status:**
5	20321	GI	**Green infrastructure in the Paso del Norte Region: Seminar, Implementation Guide, Ciudad Juarez, CHIH.**	Secretaría Técnica del Municipio de Juárez Alejandro César Loaeza Canizales Alejandro.loaeza@juarez.gob.mx aleloaeza2011@hotmail.com	Ciudad Juarez, CHIH.	JM/AQ		$ 31,000.00	**Project Status:**

Amount Approved	$	230,700.44
Amount Disbursed	$	-

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2020 - 2017 PROJECTS

No.	Project ID	Goal / Fund. Strategy	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20330	2	**Strategy for Reduction and Prevention of Disasters in Ciudad Acuña, COAH.**	Universidad Carolina Cecilia Pelletier Bravo pelletier.cecilia@gmail.com y/o esteban.fish@gmail.com	Ciudad Acuña, COAH.	BD/AQ		**$ 26,035.00**	**Project Status:**
2	20331	FS	**Agrochemicals and Their Risks to Health and the Environment, Tamaulipas Border area**	Secretaría de Desarrollo Urbano y Medio Ambiente Celestino Alanís Leal celestino.alanis@tamaulipas.gob.mx	Tamaulipas Border	SV/AQ		**$21,946.00**	**Project Status:**
3	20329	GI	**Transforming Urban Compacted Land into Infiltration Field, Edinburg, TX**	The University of Texas Rio Grande Valley Andrew Lawler sponpro@utrgv.edu	Edinburg, TX	SV/AQ		**$58,925.00**	**Project Status:**

Amount Approved	$	106,906.00
Amount Disbursed	$	-

BORDER WIDE BORDER 2020 - 2017 PROJECTS

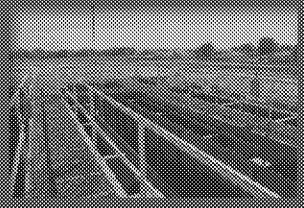
No.	Project ID	Goal / Fund. Strategy	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1		3	**U.S.-Mexico Borderlands GIS Mapping, BORDER WIDE**	U.S.-Mexico Border Philanthropy Partnership Andy Carey Andy@borderpartnership.org	Border Wide	JM/AQ		$ 25,000.00	**Project Status:**

Updated March 31, 2018

Amount Approved	$	25,000.00
Amount Disbursed	$	-

Total Approved	$	362,606.44
Total Disbursed	$	-

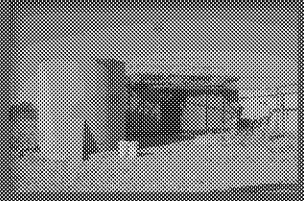
EPA Region 6



QUARTERLY REPORT

January – March 2018

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-00F59501



Submitted by:
Javier Torres, Technical Assistance Manager

Banco de Desarrollo de América del Norte
North American Development Bank

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-00F59501-3

Grant Period: Sep. 6, 2012 – Aug. 31, 2019

REPORTING PERIOD:

January - March 2018

TO:
Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:
Javier Torres
North American Development Bank
Technical Assistance Manager

April 30, 2018, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-00F59501

Contact:

Primary Contact Name: **Javier Torres**
Organization: North American Development Bank
Telephone & Fax: 01-656-688-4600 Email: jtorres@nadb.org

Reporting Period (please check appropriate period):

- ☐ October 1 – December 31, 2017, reporting period: report due on January 30, 2018
- ☒ January 1 – March 31, 2018, reporting period: report due on April 30, 2018
- ☐ April 1 – June 30, 2018, reporting period: report due on July 30, 2018
- ☐ July 1 – September 30, 2018, reporting period: report due on October 30, 2018
- ☐ October 1 – December 31, 2018, reporting period: report due on January 30, 2019
- ☐ January 1 – March 31, 2019, reporting period: report due on April 30, 2019
- ☐ April 1 – June 30, 2019, reporting period: report due on July 30, 2019
- ☐ July 1 – August 31, 2019, reporting period: report due on October 30, 2019

Check here if this is the final reporting period under your grant ___

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

Not considered during this period.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

Goal #1: Reduce Air Pollution

- ☒ Continue to focus on air pollution reductions in binational airsheds

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☒ By 2018, maintain effective air quality monitoring networks and timely access to air quality data

☒ Reduce greenhouse gas emissions through energy efficiency and alternatives or renewable energy projects

Goal #2: Improve Access to Clean and Safe Water

☒ By 2015, increase homes connected to safe drinking water (DW) and waste water (WW) treatment

☒ Help DW and WW utilities become more efficient and sustainable

☒ Reduce levels of metals, sediment, or bacteria entering rivers and watersheds

Goal #3: Promote Materials and Waste Management and Clean Sites

☒ Develop capacity to improve collection and recycling of e-waste, plastics, and trash

☒ Develop scrap tire pile prevention and recycling capacity

☒ Develop institutional capacity to clean up contaminated sites

☒ Continue to share information on border area hazardous waste facilities

Goal #4: Enhance Joint Preparedness for Environmental Response

☒ Update eight sister city joint contingency plans with risk identification and reduction of all hazards

☒ Facilitate easier trans-boundary movement of equipment and personnel

☒ Continue updating the U.S.-Mexico Joint Contingency Plan

Goal #5: Compliance Assurance and Environmental Stewardship

☒ Improve information sharing between enforcement agencies on the movement of hazardous waste across the border

☒ Use Toxics Release Inventory (in the U.S.) and the Emissions and Contaminant

☒ Transfer Registry (RETC, in Mexico) to identify top polluters of toxic releases

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☒ Training and information exchange on laws and regulations of respective countries

Summary of approved Work Plan activities performed during the reporting quarter.

The Bioswale Material for South Texas Stormwater Management project concluded on March 2017. Results include that after monitoring rain fall from April 2015 to November 2016, of the five porous materials used in the different parking areas pumice is a hydrologically best performing material for the bioswale porous media.

Overall logistical support for the year was provided for:

- New Mexico – Texas – Chihuahua Waste Task Force meeting, held on February 7, 2017 in Cd. Juarez, Chihuahua.
- New Mexico – Texas – Chihuahua Regional Workgroup Annual Meeting, held on February 14, 2017 in El Paso, Tx.
- Texas- Coahuila – Nuevo Leon – Tamaulipas Regional Workgroup Meeting, held on February 16, 2017 in Laredo, Tx.
- Paso Del Norte Binational Health Council-Environmental Health Committee held on March 22, 2017 in El Paso, Tx.
- Junta de los Rios (Texas – Chihuahua) Rural Task Force Meeting held on March 2, 2017 in Presidio TX
- New Mexico – Chihuahua Rural Task Force Annual Public Meeting held on March 30, 2017 in Palomas, Chih.
- New Mexico – Texas – Chihuahua Health Task Force Public Meeting held on March 30, 2017 in Las Cruces, NM.
- Extreme Heat and Health: Prevention, Mitigation, and Resilience in the Paso del Norte Region Meeting held on May 24th in Juarez, Chihuahua and El Paso, TX.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

One project started in this grant:

- Collaborative K12 Capacity Building and Research for Air Quality Monitoring.

Project status: Project had its kickoff meeting on March and will be presented on the next JAC meeting to be held on May. Initial design work is being done.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

No problems have been reported.

Resolutions to Problems Previously Reported.

No problems have been reported.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

- Review and finalize selected proposal workplans and continue with the Technical Assistance process.
- Two selected projects are proposed for development and funding by this grant:
  - Four States Region:
    - Waste Separation Stations, Matamoros, TAMPS.
    - Mitigating Localized Flooding - Development of a Green Infrastructure Master Plan, Mercedes, TX.

Discuss what key personnel did on the project.

Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Briselda Duarte and Jorge Hernandez coordinated and monitored work plan activities of the projects in coordination with EPA. Marielena Constandse prepared this report. Marielena Constandse, Abril Quiroz and Javier Torres provided internal contract and grant administration and grant administration coordination with EPA.

Discuss any changes in key personnel.

No changes in key personnel took place this reporting period.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

N/A

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement***.

TABLE 1				
Summary of Quarterly Expenses by Category (Report Period January 1 to March 31, 2018)				
Work Plan Tasks	**Approved Work Plan Budget**	**Previously Expended**	**Expenses this Quarter**	**Total Cumulative Expenses**
Task A- Logistics	$52,688	$52,668	$0	$0
Task B- RFP	$40,972	$40,972	$0	$0
Task C- Projects	$683,314	$559,984	$0	$0
Task D- NADB Presence	$30,579	$30,579	$0	$0
Task E- Emergency Response	$45,455	$45,455	$0	$0
Indirect Cost	$81,012	$73,169	$0	$0
TOTAL Cumulative Expenses	**$934,000**	**$802,827**	**$0**	**$0**

TABLE 2						
Budget Categories (programmatic costs only)	**Task A- Logistics**	**Task B- RFP**	**Task C- Projects**	**Task D- BECC Presence**	**Task E- Emergency Response**	**TOTAL Quarterly Expenses**
Personnel	$0	$0	$0	$0	$0	$0
Fringe Benefits	$0	$0	$0	$0	$0	$0
Travel	$0	$0	$0	$0	$0	$0
Contractual	$0	$0	$0	$0	$0	$0
Other (specify)	$0	$0	$0	$0	$0	$0
TOTAL Direct Charges	$0	$0	$0	$0	$0	$0
Indirect Costs	$0	$0	$0	$0	$0	$0
TOTAL Cumulative Expenses	$0	$0	$0	$0	$0	$0

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** April 30, 2018

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ATTACHMENT "A"

THREE STATE (TX-CH-NM) BORDER 2020 - 2013 PROJECTS										
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20249	1	Mejoramiento de la Red de Monitoreo de PM10 en Ojinaga	Municipio de Ojinaga, Chihuahua Ing. Miguel Adame Baeza moadameb@hotmail.com, (626)453-2541	Ojinaga	CHIH	IH AQ	4/15/2014 17 months	$ 13,175.35 $ 13,175.35	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * A network of monitoring of PM10 fully functional. * Three training events for technical personnel * Development of a Communications Plan for air quality data through local media and information materials.
2	20260	2	Sustaining the Environment at the New Mexico-Chihuahua Border	New Mexico Environment Department Ms. Mary Rose Mary.Rose@state.nm.us	Columbus, Deming	NM	BD MC	11/4/2014 13 months	$ 36,953.43 $ 36,953.43	**Project Status:** This project concluded on December 2015. $63,037 dlls. were returned to the grant. Some of the project significant contributions were: * Completion of two presentations on health impacts and effective, low-cost methods for controlling blowing sand and soil. * Completion of four septic maintenance workshops. * Organization of the largest ever water festival held in Columbus, NM.
3	20240	2	Comunidades Unidas en Prevencion de la Contaminacion Ambiental	Adult Youth United Development Association INC Olivia Figueroa Executive Director ayudaorg1@yahoo.com (915) 851-0272	Montana Vista, Cuadrilla, Tornillo	TX	BD AQ	5/1/2014 16 months	$ 49,776.41 $ 49,776.41	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * Training program outreach, 2,332 people *Identification of septic tanks with GIS, 467 houses *Surveys conducted, 462 *Creation of mapping and database in Cuadrilla, Montana Vista, Tornillo, and Valle Bonito at El Paso County
4	20262	3	Ysleta del Sur Pueblo Community Collection Center	Ysleta del Sur Pueblo Evaristo Cruz, ecruz@ydsp.nsn.gov (915)859-7913 ext 7755	El Paso	TX	IH MC	10/1/2014 18 months	$ 65,776.92 $ 65,776.92	**Project Status:** Project finished on April 2015. The main results of the project were: * Collection of a total of 250 tires. * 10,800 pounds of electronic waste collected, 42.35 lbs per household during a 14 month period an estimate of 1.4 lbs per household per month. * 5,420 pounds of recyclables collected, 21.25 lbs per household in a 14 month period an estimate of 4.3 lbs per household per month.
5	20247	3	Reciclaje de Biosolidos en Suelos Agricolas del Valle de Juarez, Chihuahua	Universidad Autónoma de Ciudad Juárez Dr. Juan Pedro Flores Margez Tels. 656-688-1800 ext. 1561, 1976 y 1671 Servicos Agropecuarios Paso del Norte, SC Lic. Ana Irene Flores Arras	Valle de Juárez Valle de Juárez	CHIH CHIH	IH AQ IH AQ	4/13/2014 19 months 4/13/2014 19 months	$ 28,329.78 $ 28,329.78 $ 8,406.38 $ 8,406.38	**Project Status:** The Project was concluded on December 2015. Some of the project significant contributions were: The project established a sustainable program on agricultural use of biosolids, through 15 demonstration hectares. Important outputs are: * Establish a program promoting the adoption by farmers on the use of biosolids on agricultural land. * A list of volunteer farmers to continue the application of biosolids on 100 hectares in 2015 * Three field demonstrations, educational materials for 150 producers and agricultural technicians in the region.

6	20245	Environmental Health	Urban Keyhole Gardens using Rain Water Harvesting Techniques	El Paso Water Utilities Anai I. Padilla El Paso Water Utilities Phone: 915.621.2000 Email: aipadilla@epwu.org	El Paso	TX	AH AQ	4/7/2015 13 months	$ 6,120.08 $ 6,120.08	**Project Status:** The project concluded on May 2015. Some of the project significant contributions were: 14 educational events, with a total of 955 attendees. The overall acceptance of the keyhole gardens, as a vegetable gardening option was well received by the public that attended the various workshops. Final report has been submitted and approved.
7	20250	Environmental Health	[illegible]	[illegible]	[illegible]	[illegible]	AH AQ	[illegible]	$ [illegible]	Project Status: [illegible]

$ 251,826.36
$ 208,750.36

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2012 - 2013 PROJECTS										
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20241	1	Characterizing Drayage Activities and Emissions in Laredo-Nuevo Laredo Airshed	Texas A&M Transportation Institute (TTI)	Laredo	TX	JH	9/1/2014	$ 89,750.00	**Project Status:** The project concluded on March 2016. Some of the project significant contributions were: Important air quality impacts of drayage trucks in the region, specifically, the results show that the Colombia bridge crossing is the most utilized port of entry in the region, and is associated with relatively high emissions caused by high truck volumes and slow speeds, therefore high emissions adjacent to urban area of both Laredos.
				Farzaneh, Reza Research Engineer m-farzaneh@tamu.edu (512) 407-1118			AQ	18 months	$ 89,750.00	
2	20258	2	Determining the Ideal Bioswale Material for South Texas Stormwater Management	The University of Texas Pan American	Edinburgh	TX	AH	12/1/2014	$ 24,133.69	**Project Status:** The Bioswale Material for South Texas Stormwater Management project concluded on March 2017. Results include that after monitoring rain fall from April 2015 to November 2016, of the five porous materials used in the different parking areas pumice is a hydrologically best performing material for the bioswale porous media.
				Jungseok Ho, Ph.D., P.E. (956) 665-3104, hoj@utpa.edu			AQ	24 months	$ 24,133.69	
3	20245	2	Conservación del Arroyo Las Vacas en Ciudad Acuña, Coahuila, México	SECRETARÍA DE MEDIO AMBIENTE DEL ESTADO DE COAHUILA	Acuña	COAH	BD	7/14/2014	$ 34,605.92	**Project Status:** The project concluded on May 2016. Some of the project significant contributions are: a) Binational group created among SEMA Coahuila, TCEQ, Acuna City, Tec of Acuna, CILA, IBWC, UT Austin CONANP. b) Diagnostic Report with inventory data of existing vegetation and species along the 26km of the Acuña river, GIS maps accessible to the public. c) Close out of 35 wastewater illegal dumping sites in 2015. d) Reforestation with 225 native trees. e) Binational workshop on water quality with Tecnológico de Acuña and Texas A&M at Austin.
				Alejandra Carrera alejandra.carrera@sema.gob.mx (844) 4100014			AQ	22 months	$ 34,605.92	
4	20246	3	Diagnóstico de generación de residuos en la región fronteriza noreste	Secretaría de Desarrollo Sustentable, Gobierno del Estado de Nuevo León	Sabinas Hidalgo, NL	NL	JH	4/1/2014	$ 17,457.39	**Project Status:** This project concluded on August 2015. Some of the project significant contributions were: *Characterization of waste in the municipality * Generation of a manual on handling e-waste. * Action plan developed
				Lic. Norma Rangel Sevilla, normaarangel@gmai.com; (81)2033-1938			MC	16 months	$ 17,457.39	
5	20243	3	Keeping Pharr Beautiful Starts at Home	City of Pharr, Public Works Department	Pharr	TX	AH	4/7/2014	$ 19,830.86	**Project Status:** This project concluded on December 2015. Some of the project significant contributions were: * The reduction in illegal dumping cases from 350 in 2013 to 300 in 2014. * The number of tires collected by city workers decreased from 4,991 in 2013 to 4,520 in 2014.
				Grace Segovia, M.A. City of Pharr, Public Works Department Phone: (956) 402-4360 grace.segovia@pharr-tx.gov			AQ	20 months	$ 19,830.86	

6	20255	3	Alamo Recycling TEAM Includes Everyone (ARTIE)	City of Alamo Melisa Gonzales Storm Water Manager Phone: 956-787-0006 x 140 mgonzales@alamotexas.org	Alamo	TX	AH AO	4/21/2014 24 months	$ $	54,836.16 54,836.16	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven sanitation model that can be easily replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implemenration of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
7	20253	3	Manejo, Gestión y Control de Grasas y Aceites	Comisión Municipal de Agua Potable y Alcantarillado Marisela Flores floresmariela@hotmail.com (867) 712-5399	Nuevo Laredo	TAMPS	BD MC	6/3/2014 17 months	$ $	6,497.10 6,497.10	**Project Status:** This project concluded on February 2016. Some of the project significant contributions were: 449 establishments trained, giving them the necessary tools to establish procedures in its companies to raise their compliance, to strengthen the compromise among employees, creating a synergy with the operator body. 56 of these establishments will continue to be monitor by COMAPA to ensure environmental compliance and 13 establishments set up lats and oils traps. 86% of visited users comply with established procedures and are implementing the strategies presented in the workshops.
8	20252	Environmental Health	Promotora-Led Environmental Health Education for Children	La Amistad AHEC / Southwest Border AHEC Rose Martinez 830.758.1111 rose.martinez@swbahec.org	Eagle Pass	TX	AH MC	6/16/2014 17 months	$ $	69,023.50 69,023.50	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven Sanitation Model that can be successfully replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implementation of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
9	20251	Environmental Health	Planeación de un Modelo de Información de la frontera Texas/Mexico	El Colegio de la Frontera Norte, A.C. Dr. Felipe Javier Uribe Sala Tel. (878) 782 7207 Texas A&M HSC Dr. Gerry Carrillo Phone: 956.668.6371 gcarrillo@tamhsc.edu	Piedras Negras Piedras Negras	COAH COAH	BD MC BD MC	5/15/2014 18 months 5/15/2014 18 months	$ $ $ $	19,140.15 19,140.15 15,958.30 15,958.30	**Project Status:** The project concluded on April 2016. Some of the project significant contributions are: a) Identification of agencies who manage health information in the region. b) Organization of a working group to discuss the information on environment and health, among: TCEQ, COLEF, SEMA Coahuila, Texas A&M McAllen Campus. c) MOU agreement between Colef and SEMA Coahuila to share health information and define health indicators. d) Diagnostic report with the identification of sources of environmental information with health associated diseases.

10	20270	Environmental Health	McAllen-Mission-Pharr/Reynosa Hazards in Transportation Binational Training and Exercise	City of McAllen Juan Gloria (956)681-2540 jgloria@mcallen.net	McAllen	TX	BD	4/24/2015	$ 45,455.00	**Project Status:** The Project concluded on December 2015. Some of the project significant contributions were: * Update of the Regional Sister City Plan e-directory * Training on HAZMAT response on International border crossing on Sept. 2015.
							MC	5 months	$ 45,455.00	

	$	396,688.07
	$	396,598.07
Total Approved	$	648,514.43
Total Disbursed	$	605,348.43

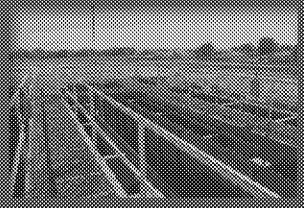
Updated March 31, 2018

THREE STATE (TX-CH-NM) BORDER 2020 - 2017 PROJECTS											
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1		**2**	Collaborative K12 capacity building and research for air quality monitoring	Center for Environmental Resource Management and Geological Sciences Department, -University of Texas at El Paso Stanley Mubako stmubako@utep.edu			SV/AQ	3/12/2018	$ 65,000.00	**Project status:** Project had its kickoff meeting on March and will be presented on the next JAC meeting to be held on May. Initial designing work is being done.
									$ 65,000.00 $ -	

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2012 - 2013 PROJECTS											
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
2	2		Mitigating Localized Flooding - Development of a Green Infrastructure Master Plan, Mercedes, TX.	City of Mercedes Daniel Tijerina dtijerina@cityofmercedes.com	Mercedes	TX	JH/AQ		$30,000.00	**Project Status:**
1		**3**	Waste Separation Stations, Matamoros, TAMPS.	Presidencia Municipal H. Matamoros, Tamaulipas Dirección de Control Ambiental Eduardo Jorge Castilla e_castilla1974@hotmail.com	Matamoros	TAMPS	JH/AQ		$ 12,352.00	**Project status:**
									$42,352.00	
									$ -	
								Total Approved	$ 107,352.00	
								Total Disbursed	$ -	

Updated March 31, 2018

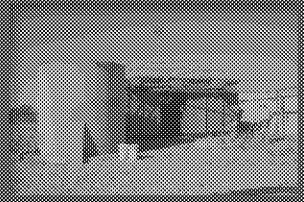
EPA Region 6



QUARTERLY REPORT

April – June 2018

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-00F92501



Submitted by:
Javier Torres, Technical Assistance Manager

Banco de Desarrollo de América del Norte
North American Development Bank

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-00F92501

Grant Period: Sep. 17, 2004 – Aug. 31, 2019

REPORTING PERIOD:

April – June 2018

TO:

Monica Randall
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:

Javier Torres
North American Development Bank
Technical Assistance Manager

July 30, 2018, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-00F92501

Contact:

Primary Contact Name: **Javier Torres**
Organization: North American Development Bank
Telephone & Fax: 01-656-688-4600 Email: jtorres@nadb.org

Reporting Period (please check appropriate period):

- ☐ July 1 – September 30, 2017, Reporting period: report due on October 30, 2017
- ☐ October 1 – December 31, 2017, Reporting period: report due on January 30, 2018
- ☐ January 1 – March 31, 2018, Reporting period: report due on April 30, 2018
- ☒ April 1 – June 30, 2018, Reporting period: report due on July 30, 2018
- ☐ July 1 – September 30, 2018, Reporting period: report due on October 30, 2018
- ☐ October 1 – December 31, 2018, Reporting period: report due on January 30, 2019
- ☐ January 1 – March 31, 2019, Reporting period: report due on April 30, 2019
- ☐ April 1 – June 30, 2019, Reporting period: report due on July 30, 2019
- ☐ July 1 – August 30, 2019, Reporting period: report due on September 30, 2019

Check here if this is the final reporting period under your grant ☐

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

None to report.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

GOAL 1. - *Reduce Air Pollution*

Objective 1. - By 2020, in accordance with the NAFTA, promote the reduction of the number of vehicles operating in the border region that do not comply with the respective vehicle emissions' standards and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible reduction measures.

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- **Project type 1:** Support the development of vehicle emissions programs in collaboration with governmental entities in order to improve compliance, enhance detection and correction of non-compliance vehicles. In addition, capacity building activities to reduce air pollution, in the border cities or at the Ports of Entry (POE), which may include the enforcement of environmental compliance at the time of used vehicle importation.

Objective 2.- By 2020, reduce pollutant emissions in order to approach attainment of respective national ambient air quality standards (i.e. National Ambient Air Quality Standards (NAAQS) or Norms as they are referred in Mexico) in the El Paso, Texas–Dona Ana County, New Mexico and at State of Chihuahua's border cities' air sheds.

- **Project type 1:** Establish joint collaboration strategies with governmental and/or non-governmental regulatory and planning agencies to identify and implement air pollutant reduction strategies to achieve better air quality in the Paso del Norte region (PdN). Projects should promote, expand, and be consistent with the strategies identified in PROAIREs (Mexico's air shed management plan) or U.S. Clean Air Act (USCAA) State Implementation Plans (SIPs.)

Objective 3. – By 2018, maintain effective Ambient Air Quality Monitoring Network (AAQMN) and provide real-time access to air quality data produced at New Mexico/Texas /Mexico air sheds.

- **Project Type 1:** Initiatives for this objective should aim to ensure the long term sustainability and data quality for the El Paso, Texas – Ciudad Juarez, Chihuahua air quality monitoring network.

GOAL 2: ***Water – Improve Access to Clean and Safe Water***

- **Project type 1:** Efforts under this goal should be targeted to capacity building proposals that incorporate replication strategies, on proper maintenance and/or decommissioning of septic tanks, water conservation and pollution prevention in order to better understand, plan and maintain cleanup sources of drinking water on future groundwater supplies in New Mexico-Texas-Chihuahua border, specifically in Dona Ana County, New Mexico (particularly those communities along the corridor between El Paso, Texas and Las Cruces, New Mexico) and Luna County, New Mexico and El Paso County, Texas.

Objective 2. - Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.

- **Project type 1:** Conduct energy and/or water audits on small water drinking systems that serve communities with less than a population of 5,000 users, to identify recommendations on how to improve efficiency and provide cost-savings measures for that system.
- **Project type 2:** Outreach and education to improve water quality within the Gulf Task Force Region.

Objective 3. - Work bi-nationally to identify and reduce surface water contamination in Trans - boundary water bodies and watersheds.

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Objective 3a. - Develop a binational watershed protection plan in the Lower Rio Grande below Falcon International Dam. Initial activities could include partnership building, watershed characterization, definition of goals/identification of solutions, determination of waste load, load allocations for each country, and development of an implementation plan.

- **Project type 1:** Continue to support activities that meet objective 3a– The proposals should address any water quality sampling and collection, data analysis, modeling and surveys still required by the bi-national workgroup on this project. In addition, the work should also support any additional training or workshops needed, among others, by the Amistad and Falcon Task Force, as well by the Texas-Coahuila-Nuevo Leon –Tamaulipas, Regional Work Group.

GOAL 3: ***Promote Materials Management & Waste Management, & Clean Sites***

Objective 1. - By 2020, increase local and state-level institutional knowledge and experience in the area of sustainable material management practices.

- **Project type 1**: Proposals should be aimed to build capacity and establish strategies to improve infrastructure to minimize waste, maximize collections systems, support secondary materials markets, and reduce overall disposal in landfills and open dumps.

Objective 2. - Identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.

- **Project type 1:** Identify priority waste streams in the municipalities from Four States region and develop sustainable waste management programs for those municipalities to include strengthening the market value of the waste.
- **Project type 2:** Develop sustainable management practices to address used electronics, household hazardous waste, and tires in the Region which will include an educational component to promote recycling and solid waste practices.

GOAL 4: ***Enhance Joint Preparedness for Environmental Response***

Objective 2. - By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building

- **Project type 1:** Conduct bi-national training to both U.S. and Mexican local emergency responders, on incidents involving Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE), and/or all hazards response skills enabling them to respond safely and effectively to these types of incidences.
- **Project type 2:** Conduct bi-national training to U.S. and Mexican local emergency responders, specifically on HAZMAT incidences only.
- **Project type 3:** Conduct bi-national: 1) tabletop drill with functional drill/exercise or 2) Full Scale Drill/Exercises to test local sister city plans. In order to meet the definition of bi-national, the drills/exercises should go beyond a simple notification to the local sister-city pair and demonstrate actual coordination of resources (expertise, equipment, personnel, etc.) between the sister-cities.
- **Project type 4:** Develop a hazardous materials risk analysis.

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GOAL 5. – Enhance *Compliance Assurance and Environmental Stewardship*

Objective 4. - By 2020, implement at least five (5) binational workshops targeted to environmental enforcement professionals, including ports-of-entry customs professionals (i.e. Department of Homeland Security-Customs and Border Protection), to promote the exchange of information and improve understanding of each Country's respective compliance and enforcement programs and tools, including field studies.

- **Project type 1:** Proposals should consider events for information exchange to improve understanding each Country's respective compliance and enforcement programs and tools including field inspections and case development practices.

Fundamental Strategies

Promoting Environmental Health

- **Project type 1:** Projects presented under this fundamental strategy should increase engagement and participation by the community and stakeholders to better manage the environment and public health issues along the border.

Building Capacity towards Climate Change Resiliency

- **Project type 1**: The Border 2020 climate change efforts should focus on reducing greenhouse gas (GHG) emissions and on actions to help border communities become more resilient to the effects of climate change.

Summary of approved Work Plan activities performed during the reporting quarter.

Projects in progress during reporting period:

Project ID	Goal	Objective	Project Name	Status
20298	3	1	Sewage Sludge and Biosolids Agricultural Soils Project in the Valle de Juarez, Chihuahua	Project Status: Project is concluded. Main results include the implementation of 18 courses-training workshops with a total attendance of 410 people, including farmers, technicians, officials, students and the public in general. These courses were carried out with 12 informative drop-down publications and seven papers on the topics related to the importance of biosolids for the agriculture.
20297	2	2	Decision Making Tool (DMT[G]) for Determining LID Stormwater Detention, Brownsville, Texas	Project Status: Activities for this quarter include: The modeling runs for the Tool were done and the DMT has been finalized and rolled out through past workshops, for this reason, a project no-cost extension was authorized and approved until July 31, 2018.

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	20303	FS	N/A	Healthy and Resilient Housing in west Ciudad Juarez, Chihuahua	Project Status: Project completed March 2018. Preparation of a regional catalog with 32 eco-technologies. Technical and Financial Assistance customized for each of the 50 homes in the implementation and technical support and supervision of green catalog and construction elements. Quantitative results: 529m3 water saved per month, impermeabilization of 34 homes, 16 windows, 200 people benefitted

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

None to report.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

None

Resolutions to Problems Previously Reported.

None to report.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

Continue with the development of active projects.

Discuss what key personnel did on the project.

Briselda Duarte and Jorge Hernandez coordinated project development activities with EPA and sponsors. Marielena Constandse prepared this report and provided Contract Administration. Javier Torres provided Grant Administration coordination with EPA. Joaquin Marruffo supervised the execution of the project activities.

Discuss any changes in key personnel.

No personnel changes have taken place.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

None to report.

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant

agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1

Summary of Quarterly Expenses by Category (Report Period April 1 to June 30, 2018)

Work Plan Tasks	Approved Work Plan Budget	Previously Expended	Expenses this Quarter	Total Cumulative Expenses
Task A- Projects	$ 278,255.00	$198,667	$34,672	$233,339
Task B- Emergency Response	$ 26,290.00	$25,055	$0	$25,055
Indirect Cost	$30,455.00	$22,372	$3,467	$25,839
TOTAL Cumulative Expenses	**$335,000.00**	**$246,094**	**$38,139**	**$284,233**

TABLE 2

Budget Categories (programmatic costs only)	Task A Projects	Task B Emergency Response	TOTAL Quarterly Expenses
Personnel	$0	$0	$0
Fringe Benefits	$0	$0	$0
Travel	$0	$0	$0
Equipment	$0	$0	$34,671.52
Other (specify)	$34,671.52	$0	$34,671.52
TOTAL Direct Charges	$34,671.52	$0	$3,467.15
Indirect Costs	$3,467.15	$0	$38,138.67
TOTAL Cumulative Expenses	$38,138.67	$0	$34,671.52

[1]*EPA defines equipment as items that cost $5,000 or more with a useful life of more than one year. Items costing less than $5,000 are considered supplies.*
[2]*Applicants must comply with the procurement procedures contained in 40 CFR 31.36, or for non-profits, with 40 CFR30.40.*

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** July 30, 2018

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

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ATTACHMENT "A"

THREE STATE (TX-CHIH-NM) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Goal/ Fund. Stategy	Objective	Project Name	Project Implementer / Contact Information	BECC Contract Officer & Project Manager	Amount Approved / Amount Disbursed	STATUS
1	20298	3	1	**Sewage Sludge and Biosolids Agricultural Soils project in the Valle de Juarez, Chihuahua**	Universidad Autónoma de Cd. Juárez	Jorge Hernandez (PM)	$ 44,136.56 $ 44,136.56	**Project Status:** Project is concluded. Main results include the implementation of 18 courses-training workshops with a total attendance of 410 people, including farmers, technicians, officials, students and the public in general. These courses were carried out with 12 informative drop-down publications and seven papers on the topics related to the importance of biosolids for the agriculture.
2	20303	FS	N/A	**Healthy and Resilient Housing in west Ciudad Juarez, Chihuahua**	Federación Mexicana de Asociaciones Privadas de Salud y Desarrollo Comunitario, A.C.	Briselda Duarte (PM)	$ 47,106.10 $ 47,106.10	**Project Status:** Project completed March 2018. Preparation of a regional catalog with 32 eco-technologies. Technical and Financial Assistance customized for each of the 50 homes in the implementation and technical support and supervision of green catalog and construction elements. Quantitative results. 529m3 water saved per month, impermeabilization of 34 homes, 18 windows, 200 people benefitted
3	20302	FS	N/A	**Green Infrastructure in Public Space on Valle del Sol Avenue, Ciudad Juarez, Chihuahua**	Instituto Tecnológico de Ciudad Juárez	Joaquín Marrufo (PM)	$ 42,231.02 $ 42,231.02	**Project Status:** Project concluded on December 2017. Some of the most relevant outputs and outcomes are: Monitoring of rain water volume occurred during 17 months, from July 2016 to November 2017, with a total volume collected of 472,502.33 gallons of rainwater. To have a clearer understanding of the results, consider a 12-month period, where precipitation was of 13.79 in, resulting in a capture volume of 436,203 gal. Regarding the contaminants analyses, there was not enough rainwater volume to have a representative sample to be tested. In reference to the vegetation, there was an acceptable surviving index of the planted trees and bushes. The park has not had the need for irrigation, since rainwater does its part. Finally, with the green infrastructure project, the social value of the park increased
						Amount Approved	$ 133,473.68	
						Amount Disbursed	$ 133,473.68	

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Goal/ Fund. Stategy	Objective	Project Name	Project Implementer / Contact Information	BECC Contract Officer & Project Manager	Amount Approved / Amount Disbursed	STATUS
1	20270	4	2	**Hazardous Materials First Responders Binational Training in McAllen, Mission, Pharr, TX and Reynosa, Tamaulipas**	City of McAllen Juan Gloria (956)681-2540 jgloria@mcallen.net	Marielena Constandse (CO) / Briselda Duarte (PM)	$ 25,055.00 $ 25,055.00	**Project Status:** Project concluded on February. Some of the significant project contributions are: - Increase hazmat response skills and capabilities to first responders in McAllen, Mission and Pharr Fire Departments and first responders from northern Mexico. - Equipment will also be used in future binational trainings.
2	20285	3	1	**Comprehensive Solid Waste Management Project in Rio Bravo and Valle Hermoso, Tamaulipas**	Secretaria de Medio Ambiente	Jorge Hernandez (PM)	$ 19,871.16 $ 19,871.16	**Project Status:** The two municipal programs have been completed, and in August 10 and 24 they were presented for approval by the respective city councils. Some of the significant project contributions are: - The generation and waste composition studies allow both communities to know the type and amount of waste generated per inhabitant and could be marketed. The studies also calculate the areas required for the final disposal site according to their generation. - Both programs have been completed, and presented for approval by the respective city councils
3	20295	3	1	**Interagency coordination for the management of electronic and electrical waste in Ciudad Acuña and Piedras Negras, Coahuila**	Secretaría de Medio Ambiente del Estado de Coahuila de Zaragoza	Jorge Hernandez (PM)	$ 16,898.67 $ 16,898.67	**Project Status:** The project concluded in March 2017. The results of the project are. Collection of 56 tons of electronic waste (25 tons were targegted), which included 3 campaigns of massive collection of e-waste in several municipalities. 38 public and private organizations were trained and supported the campaign. A permanent collection of electronic waste was opened in Ciudad Acuña.

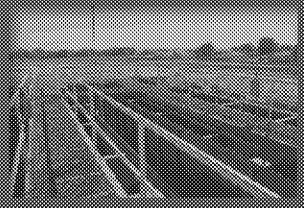
4	20297	4	2	Binational Tabletop and Functional Exercises between Harlingen, TX and Matamoros, Tamaulipas.	City of Harlingen Fire Department	Briselda Duarte (PM)	$ 44,692.30 $ 44,692.30	**Project status:** The project concluded in August. Some of the significant project contributions are: -Training of 19 officers and students from Harlingen (2), Mission (2), Brownsville (1) and Matamoros (14). -Harlingen and Matamoros have established the ability to implement standardized response and real time communication in the event of Hazardous Materials incidents. -A foundation for enhanced emergency response and cooperative incident management has been created
5	20297	2	2	**Decision Making Tool (DMT[G])** for Determining LID Stormwater Detention in Bronwsville, Texas	Texas A&M University-Kingsville	Jorge Hernandez (PM)	$ 38,885.00 $ 16,926.81	**Project Status:** Activities for this quarter include: The modeling runs for the Tool were done and the DMT has been finalized and rolled out through past workshops, for this reason, a project no-cost extension was authorized and approved until July 31, 2018.

Updated June 30, 2018

Amount Approved	$ 145,392.13
Amount Disbursed	$ 123,433.94

Total Approved	$ 278,865.81
Total Disbursed	$ 256,907.62

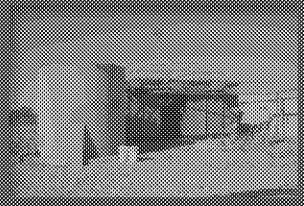
EPA Region 6



QUARTERLY REPORT

April – June 2018

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-01F04901



Submitted by:
Javier Torres, Technical Assistance Manager

Banco de Desarrollo de América del Norte
North American Development Bank

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-01F04901

Grant Period: August 12, 2015 –August 31, 2019

REPORTING PERIOD:

April - June 2018

TO:

Monica Randall
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:

Javier Torres
North American Development Bank
Technical Assistance Manager

July 30, 2018, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-01F04901

Contact:

Primary Contact Name: **Javier Torres**
Organization: North American Development Bank
Telephone & Fax: 01-656-688-4600 Email: jtorres@nadb.org

Reporting Period (please check appropriate period):

- ☐ July 1 – September 30, 2017, Reporting period: report due on October 30, 2017
- ☐ October 1 – December 30, 2017, Reporting period: report due on January 30, 2018
- ☐ January 1 – March 31, 2018, Reporting period: report due on April 30, 2018
- ☒ April 1 – June 30, 2018, Reporting period: report due on July 30, 2018
- ☐ July 1 – September 30, 2018, Reporting period: report due on October 30, 2018
- ☐ October 1 – December 30, 2018, Reporting period: report due on January 30, 2019
- ☐ January 1 – March 31, 2019, Reporting period: report due on April 30, 2019
- ☐ April 1 – June 30, 2019, Reporting period: report due on July 30, 2019
- ☐ July 1 – August 30, 2019, Reporting period: report due on October 30, 2019

Check here if this is the final reporting period under your grant ☐

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

No growth is expected for the projects under-development at this time.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

ED_002319B_00013121-00003

GOAL 1. - *Reduce Air Pollution*

Objective 1. - By 2020, in accordance with the NAFTA, promote the reduction of the number of vehicles operating in the border region that do not comply with the respective vehicle emissions' standards and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible reduction measures.

- **Project type 1:** Support the development of vehicle emissions programs in collaboration with governmental entities in order to improve compliance, enhance detection and correction of non-compliance vehicles. In addition, capacity building activities to reduce air pollution, in the border cities or at the Ports of Entry (POE), which may include the enforcement of environmental compliance at the time of used vehicle importation.

Objective 2.- By 2020, reduce pollutant emissions in order to approach attainment of respective national ambient air quality standards (i.e. National Ambient Air Quality Standards (NAAQS) or Norms as they are referred in Mexico) in the El Paso, Texas–Dona Ana County, New Mexico and at State of Chihuahua's border cities' air sheds.

- **Project type 1:** Establish joint collaboration strategies with governmental and/or non-governmental regulatory and planning agencies to identify and implement air pollutant reduction strategies to achieve better air quality in the Paso del Norte region (PdN). Projects should promote, expand, and be consistent with the strategies identified in PROAIREs (Mexico's air shed management plan) or U.S. Clean Air Act (USCAA) State Implementation Plans (SIPs.)

Objective 3. – By 2018, maintain effective Ambient Air Quality Monitoring Network (AAQMN) and provide real-time access to air quality data produced at New Mexico/Texas /Mexico air sheds.

- **Project Type 1:** Initiatives for this objective should aim to ensure the long term sustainability and data quality for the El Paso, Texas – Ciudad Juarez, Chihuahua air quality monitoring network.

Objective 5. - By 2020, reduce emissions and associated impacts through energy efficiency and/or alternative/renewable energy projects.

Possible projects could include: Border-wide training for border stakeholders in instituting and sustaining urban energy efficiency measures; green building training/workshops; forums in which states, localities, non-governmental organizations (NGOs) and industry can share program information and technologies; and energy efficiency co-benefits through reduction of criteria air contaminant emissions (stationary and vehicle sources)

GOAL 2: *Water – Improve Access to Clean and Safe Water*

- **Project type 1:** Efforts under this goal should be targeted to capacity building proposals that incorporate replication strategies, on proper maintenance and/or decommissioning of septic tanks, water conservation and pollution prevention in order to better understand, plan and maintain cleanup sources of drinking water on future groundwater supplies in New Mexico-Texas-Chihuahua border, specifically in Dona Ana County, New Mexico (particularly those communities along the corridor between El Paso, Texas and Las Cruces, New Mexico) and Luna County, New Mexico and El Paso County, Texas.

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Objective 2. - Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.

- **Project type 1:** Conduct energy and/or water audits on small water drinking systems that serve communities with less than a population of 5,000 users, to identify recommendations on how to improve efficiency and provide cost-savings measures for that system.
- **Project type 2:** Outreach and education to improve water quality within the Gulf Task Force Region.

Objective 3. - Work bi-nationally to identify and reduce surface water contamination in Trans - boundary water bodies and watersheds.

Objective 3a. - Develop a binational watershed protection plan in the Lower Rio Grande below Falcon International Dam. Initial activities could include partnership building, watershed characterization, definition of goals/identification of solutions, determination of waste load, load allocations for each country, and development of an implementation plan.

- **Project type 1:** Continue to support activities that meet objective 3a– The proposals should address any water quality sampling and collection, data analysis, modeling and surveys still required by the bi-national workgroup on this project. In addition, the work should also support any additional training or workshops needed, among others, by the Amistad and Falcon Task Force, as well by the Texas-Coahuila-Nuevo Leon –Tamaulipas, Regional Work Group.

GOAL 3: ***Promote Materials Management & Waste Management, & Clean Sites***

Objective 1. - By 2020, increase local and state-level institutional knowledge and experience in the area of sustainable material management practices.

- **Project type 1**: Proposals should be aimed to build capacity and establish strategies to improve infrastructure to minimize waste, maximize collections systems, support secondary materials markets, and reduce overall disposal in landfills and open dumps.

Objective 2. - Identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.

- **Project type 1:** Identify priority waste streams in the municipalities from Four States region and develop sustainable waste management programs for those municipalities to include strengthening the market value of the waste.
- **Project type 2:** Develop sustainable management practices to address used electronics, household hazardous waste, and tires in the Region which will include an educational component to promote recycling and solid waste practices.

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GOAL 4: ***Enhance Joint Preparedness for Environmental Response***

Objective 2. - By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building

- **Project type 1:** Conduct bi-national training to both U.S. and Mexican local emergency responders, on incidents involving Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE), and/or all hazards response skills enabling them to respond safely and effectively to these types of incidences.
- **Project type 2:** Conduct bi-national training to U.S. and Mexican local emergency responders, specifically on HAZMAT incidences only.
- **Project type 3:** Conduct bi-national: 1) tabletop drill with functional drill/exercise or 2) Full Scale Drill/Exercises to test local sister city plans. In order to meet the definition of bi-national, the drills/exercises should go beyond a simple notification to the local sister-city pair and demonstrate actual coordination of resources (expertise, equipment, personnel, etc.) between the sister-cities.
- **Project type 4:** Develop a hazardous materials risk analysis.

GOAL 5. – Enhance ***Compliance Assurance and Environmental Stewardship***

Objective 4. - By 2020, implement at least five (5) binational workshops targeted to environmental enforcement professionals, including ports-of-entry customs professionals (i.e. Department of Homeland Security-Customs and Border Protection), to promote the exchange of information and improve understanding of each Country's respective compliance and enforcement programs and tools, including field studies.

- **Project type 1:** Proposals should consider events for information exchange to improve understanding each Country's respective compliance and enforcement programs and tools including field inspections and case development practices.

Fundamental Strategies

Promoting Environmental Health

- **Project type 1:** Projects presented under this fundamental strategy should increase engagement and participation by the community and stakeholders to better manage the environment and public health issues along the border.

Building Capacity towards Climate Change Resiliency

- **Project type 1**: The Border 2020 climate change efforts should focus on reducing greenhouse gas (GHG) emissions and on actions to help border communities become more resilient to the effects of climate change.

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Summary of approved Work Plan activities performed during the reporting quarter.
2015 RFP Projects in progress during reporting period:

Project ID	Goal / Fund. Strategy	Objective	Project Name	Status
20288	1	1	Improvements to Environmental Services in Cattle Ranches via Livestock Grazing, Ascensión, Chihuahua.	Project Status: Final report due July 2018, testing and monitoring activities completed.
20290	2	3	The Rio Grande/Río Bravo Water Quality Initiative, Laredo, Texas.	Project Status: Second extension granted to September 2018 because of changes on meetings dates with all stakeholders, which are now scheduled for the last week of July. Meetings were planned in coordination with CILA and TCEQ.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

There are no performance outputs and outcome to report at the project level.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

No problems have been reported.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

- Eight projects of the 2017 RFP are under development under this grant and one project is expected to be initiated early next quarter. Activities for the next three months include coordinating with the sponsors the implementation of the projects in accordance with the approved workplans.

- Four projects are under development for Three State Region under this grant:
  1. Climate and Air Quality Network UACJ, Ciudad Juarez, CHIH.
  2. Safe Drinking Water for US/Mexico Border Colonias, El Paso, TX and Ciudad Juarez, CHIH.
  3. RESET 17: Innovation for the Future, El Paso, TX and Ciudad Juarez, CHIH.
  4. Green Infrastructure in the Paso del Norte Region: Seminar, Implementation Guide, Ciudad Juarez, CHIH.

- One project to be initiated next quarter:
  1. Reduction of Emissions Through Collective Transportation Infrastructure, Ciudad Juarez, CHIH / El Paso, TX.

- Three projects are under development for the Four States Region under this grant:
  1. Strategy for Reduction and Prevention of Disasters in Ciudad Acuña, Coah.
  2. Agrochemicals and their Risks to Health and the Environment, Frontera de Tamaulipas
  3. Transforming Urban Compacted Land into Infiltration Field, Edinburg, TX

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- One project is under development for the border-wide region under this grant:
  1. U.S.-Mexico Borderlands GIS Mapping, Border wide.

For detail of the project status please refer to Attachment A.

Discuss what key personnel did on the project.

Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Briselda Duarte, and Jorge Hernandez manage the implementation of the projects in close coordination with EPA. Marielena Constandse prepared this report. Marielena Constandse, Abril Quiroz and Javier Torres provided RFP coordination and Grant Administration.

Discuss any changes in key personnel.

There are no changes to report.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

N/A

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1

Summary of Quarterly Expenses by Category (Report Period April 1 to June 30, 2018)

Work Plan Tasks	Approved Work Plan Budget	Previously Expended	Expenses this Quarter	Total Cumulative Expenses
Task A - RFP	$108,091	$106,265	$4,799	$111,064
Task B - Projects	$600,584	$152,352	$30,075	$182,427
Task C – Logistical Support	$23,143	$0	$0	$0
Indirect Cost	$73,182	$25,862	$3,487	$29,349
TOTAL Cumulative Expenses	**$805,000**	**$284,479**	**$38,362**	**$322,840**

TABLE 2				
Budget Categories (programmatic costs only)	**Task A- RFP**	**Task B- Projects**	**Task C- Logistical Support**	**TOTAL Quarterly Expenses**
Personnel	$4,118.80	$0	$0	$4,118.80
Fringe Benefits	$680.33	$0	$0	$680.33
Travel	$0	$0	$0	$0
Contractual	$0	$0	$0	$0
Other (specify)	$0	$30,075.02	$0	$30,075.02
TOTAL Direct Charges	$4,799.13	$30,075.02	$0	$34,874.15
Indirect Costs	$479.91	$3,007.50	$0	$3,487.41
TOTAL Cumulative Expenses	$5,279.04	$33,082.52	$0	$38,361.56

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** July 30, 2018

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ATTACHMENT "A"

TAA Signed: 4/16/2018

Progress Tracking of NM/TX/CHIH Regional Workgroup Projects

REVIEW DATE: 6/30/2018

Estimated Overall Project Completion: 80%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
2031 4	X4-01F04901 B2020 R6 (.805)	Mar-18	NR	11/1/2017 - 08/31/2018	RESET17: Fomento a la innovación en jóvenes fronterizos	Goal 2 Objective 4	Ciudad Juárez, Chihuahua	Fundación Axcel A.C., Ciudad Juárez, Chih	$29,445.00	$ 21,602.63	Briselda Duarte	Maria Sisneros	1. Capacitar al equipo para transmitir la idea de su producto	7/1/2018	7/13/2018	90%	7/18/2018	El equipo ya ha recibido la mayor parte de la capacitación para transmitir su idea de negocio. Actualmente está desarrollando el Pitch.
													2. Planeación de socialización con posibles clientes	7/10/2018	7/20/2018	50%	20/07/18	Nos encontramos a la espera de la confirmación con organismos de gobierno y se está en pláticas con organizaciones civiles posiblemente interesadas
													3. Reuniónes con entidades públicas y OSC	7/23/2018	7/31/2018	0%	31/07/18	A la espera de los resultados de las negociaciones anteriormente descritas

Reports	Due Date
1st semmi-annual report (nov - abril 2018)	5/1/2018
1st bi-monthly (May- Jun)	7/31/2018
2nd bi-monthly (jul - ago)	8/31/2018
Final Report	8/19/2018

Legend	Meaning
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 4/19/2018

Progress Tracking of TX/NM/CHIH Workgroup Projects

REVIEW DATE: 6/30/2018

Estimated Overall Project Completion: 11%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20325	X4-01F04901 E2020 -.805	2/9/2018	NR	04/16/2018 / 02/01/2019	Climate and Air Quality Network UACJ, Ciudad Juárez, Chih.	Goal 1 Objective 3	Ciudad Juárez, Chihuahua	Universidad Autónoma de Ciudad Juárez (UACJ)	$ 29,400.00	$ 4,567.66	Jorge Hernandez	Carlos Fincon	**Data Collection**	Apr-18	May-18	100%	05/30/08	Map contours and symbols were developed which include curve levels, urban layout, roads, AGEBs, medical assistance centers, police stations, fire stations.
													Develop continuous feeding protocol	May-18	Jun-18	25%	On going	
													Design of prototypes	May-18	Dec-18			
													Field test	Nov-18	Dec-18			
													Project presentation to experts	Dec-18	Jan-19			
													Public Meeting	Jan-19	Feb-19			
													Final Report	Mar-19	Sep-19			

Reports	Due Date
1st Quarterly Report (Abr18-Jun 18)	7/30/2018
2nd Quarterly Report (Jul 18 - Sep 18)	10/30/2018
3rd Quarterly Report (Nov 18- Jan 19)	2/28/2018
4th Quarterly Report (Febr 19- Abr19)	5/30/2019
5th Quarterly Report (May19-Jul19)	8/30/2019
Final Report	9/30/2019

LEGEND	MEANING
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 3/21/2018

Progress Tracking of NM/TX/CHIH Regional Workgroup

REVIEW DATE: 6/30/2018
Estimated Overall Project Completion: 30%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20327	X4-01F04901 8 2020 R6 (805)	Feb 13, 2018	Feb 13, 2018	04/01/2018-06/30/2019	Safe Drinking Water for US/Mexico Border Colonias	Goal 2, Objective 2	Ciudad Juárez, Chihuahua	UTEP El Paso Texas	$ 79,636.00	$ -	Briselda Duarte	Debra Tellez	Design questionnaire and focus group questions	4/1/2018	5/30/2018	100%	5/30/2018	Completed. All questionnaires, surveys and questions were reviewed by all Co-pis and partners in US and Mexico. (see attachments in QR 1)
													Get IRB approvals, as needed	5/10/2018	6/20/2018	100%	6/23/2018	IRB submitted on June 23, 2018
													Select residents in colonias for focus group	4/23/2018	7/31/2018	0%		Partems from Juarez (Juarez Limpio and ITCJ Cd Juarez) and El Paso (Familias Triunfadoras) have identified individuals
													Perform focus group in Juarez to understand water quality perception (20 people)	6/1/2018	7/31/2018	0%		Focus group in Juarez will be performed in July, pending IRB review by UTEP and NMSU, lead by Drs Santiago (UTEP) and Placios (NMSU)
													Provide workshop to colonia in Juarez on water quality issues (>100 people)	7/31/2018	8/31/2018	0%		In progress. Expected to provide workshop by August
													Collect and analyze water sample in colonias in Juarez and El Paso	6/1/2018	8/20/2018	20%		In progress. Visits to several families in El Paso were made but only were able to collect one sample (covered by previous IRB) that is currently being analyzed. From focus groups and contacts from Familias Triunfadoras we expect to identify more families and plan on completing sampling ana analysis by August, as scheduled.
													Perform Health Risk Assessment in colonias in Juarez and EL Paso	7/1/208	10/20/2018	0%		Once sponsor has water quality data, health risk assessment will be performed and completed by October as scheduled
													Select families to provide POU					
													Provide POU to individial families and show how to use (5-10 families each side)					
													Disseminate flyers/brochures to residents of colonias in Juarez on water quality					
													Desing post-survey questions and submit IRB to UTEP,NMSU, UH as needed					
													Compare results between Juarez and el aso					
													Compare perspectives on water quality issues and health risks assesments					
													Provide training to promotoras in EL Paso on water quility issues and POUs					

Report	% Date
First QR (April-June)	Jul-18
Second QR (July-September)	October
Third QR (October-December)	Jan-19
Fourth QR (January-March)	Apr-19
Fifth QR (April-June)	Jul-18
Final Report	Aug-19

LEGEND	Identifying
PID	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 5/4/2018

Progress Tracking of TX/COAH/NL/TAMPS Regional Workgroup Projects

REVIEW DATE: 6/30/2018

Estimated Overall Project Completion: 5%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20329	X4-01F04901 E2020 -.805	2/28/2018	2/26/2018	04/16/ 2018 / 08/31/2019	Transforming Urban Compacted Land into Infiltration Field, Edinburg, TX	Goal 2 Objective 3	Edinburg, Texas	The University of Texas Rio Grande Valley at Edinburg, TX	$ 49,598.00	$ -	Jorge Hernandez	Japhet Cruz	Establish a field testing site and survey	Apr-18	Jun-18	50%	5/1/2018	Project is early stages. Redefining a site for the project
													Infiltration rate, bulk density, penetration resistance	Jun-18	Jun-19			
													Run off collection and analyses	Aug-18	Apr-19			
													Vegetation establishment monitoring using GIS	Jul-18	Jun-19			
													Data analysis and project dissemination	Aug-18	Jul-19			
													Final Report	Jul-19	Jul-19			

Reports	Due Date
1st Quarterly Report (Apr18-Jun 18)	7/30/2018
2nd Quarterly Report (Jul 18 - Sep 18)	10/30/2018
3rd Quarterly Report (Oct 18 - Dec 18)	1/30/2018
4th Quarterly Report (Jan 19- Mar19)	4/30/2019
5th Quarterly Report (Abr19- Jun19)	6/30/2019
6th Quarterly Report (Jul19- Sep19)	9/30/2019
Final Report	10/31/2019

LEGEND	DEFINITION
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 5/22/2018

Progress Tracking of TX/COAH/NL/TAMPS Workgroup Projects

REVIEW DATE: 6/30/2018

Estimated Overall Project Completion: 35%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
2033 0	X4-10F04901 B2020 R6 (.805)	4/6/2018	NR	05/07/2018-10/07/2018	Strategy for Reduction and Prevention of Disasters in Ciudad Acuña, COAH and Del Rio, TX.	Goal 2, Objectives 1 & 2	Ciudad Acuña, COAH and Del Rio, TX.	Universidad Carolina in Saltillo, Coah	$ 26,032.00	$ 3,904.73	Briselda Duarte	Japhet Cruz	Elaboración de Diagnóstico (precipitación e impacto en microcuencas)	5/22/2018	7/15/2018	70%		In Progress, to be completed in July
													Análisis de riesgo por eventos naturales	5/22/2018	7/15/2018	50%		In Progress, to be completed in July
													Presentación de avances municipio	5/22/2018	8/20/2018			
													Desarrollo de Plan Maestro de Control de avenidas	5/22/2018	8/20/2018			
													Elaboración de medidas de mitigación con indicadores para presentación de cabildo	5/22/2018	8/20/2018			

Reports	Due Date
First Report	Jun-18
Second Report	Jul-18
Tercer Informe	Aug-18
cuarto informe	Sep-18
Final Report	Oct-18

Legend:	Definition:
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 6/1/2018

Progress Tracking of TX/COAH/NL/TAMPS Regional Workgroup Projects

REVIEW DATE: 6/30/2018

Estimated Overall Project Completion: 0%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20331	X4-01F04901 B2020 -.805	3/31/2018	NR	06/01/2018 / 01/31/2019	Agrochemicals and their Risks to Health and the Environment, Frontera de Tamaulipas	Goal 3 Objective 3	Frontera de Tamaulipas	Secretaría de Desarrollo Urbano y Medio Ambiente de Tamaulipas, SEDUMA	$ 21,900.00	$ -	Jorge Hernandez	Carlos Rincon	1.1 Interviews with agricultural producers	Jul-18	Aug-18	0%		Project will begin in early July
													1.2 Visits to the areas to identify needs	Jul-18	Aug-18			
													2.1 Organization of workshops at the municipalities	Aug-18	Sep-18			
													2.4 Surveys evaluation on the workshops by the participants	Sep-18	Dec-18			
													2.10 Design of strategies to implement an action plan in the management of agrochemicals waste	Sep-18	Oct-18			
													3.1 Evaluation of the final results	Jan-19	Feb-19			
													3.3 Final report	Feb-19	Feb-19			

Reports	Due Date
1st Quarterly Report (Jul18- Sep 18)	10/30/2018
2nd Quarterly Report (Oct 18 - Dec 18)	1/30/2019
Final Report	2/29/2019

Legend	Definition
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

THREE STATE (TX-CHIH-NM) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20288	**Improvements to Environmental Services in Cattle Ranches via Livestock Grazing, Ascensión, Chihuahua.**	Universidad Autónoma de Chihuahua – Facultad de Zootecnia y Ecología	Ascension, Chih.	Briselda Duarte (PM)	7/15/2016	$ 41,388.00	**Project Status: Final report due on July 2018, testing and monitoring activities completed.**
						7/31/2017	$ 23,031.84	

Amount Approved	$	41,388.00
Amount Disbursed	$	23,031.84

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20283	**Energy Efficiency Workshop for Public Lighting Systems, Reynosa, Tamaulipas.**	Secretaria de Desarrollo Urbano y Medio Ambiente	Reynosa, Tamps.	Briselda Duarte (PM)	2/22/2016 5/2/2016	$ 9,330.33 $ 9,330.33	Project Status: Concluded on August 2016. Technical training provided to 30 technical officials from the municipalities of Nuevo Laredo, Guerrero, Mier, Miguel Aleman, Camargo, Diaz Ordaz, Reynosa, Rio Bravo, Valle Hermoso and Matamoros, Tamaulipas. Thirty (30) energy efficiency guidelines including maintenance recommendations to reduce Kwh electrical consumption were revised.
2	20293	**Legislative Reform and Environmental Education, Nuevo Laredo, Tamaulipas.**	Universidad Autónoma de Tamaulipas en Nuevo Laredo	Nuevo Laredo, Tamps.	Briselda Duarte (PM)	5/26/2016 5/2/2017	$ 9,078.04 $ 9,078.04	Project Status: Project Status: Work Plan activities were completed. Nuevo Laredo upgraded its municipal code. More than 2000 students and 20 inspectors informed.
3	20295	**Comprehensive E-Waste Management in Piedras Negras, Coahuila and Eagle Pass, Texas.**	Grupo Ecológico Green Tec-Osos del Instituto Tecnológico de Piedras Negras	Piedras Negras, Coahuila and Eagle Pass, Texas	Jorge Hernandez (PM)	1/21/2016 7/18/2017	$ 25,270.21 $ 25,270.21	Project Status: Project concluded on August 2017. Some of the project significant contributions are: 47 tons of e-waste collected in Piedras Negras and 15 tons in Eagle Pass. 40,000 inhabitants were visited in 22 colonias in Piedras Negras. A workshop was conducted at ITPN for 55 Green TEC associates. A health and environment conference was held to promote the e-waste recycling. The main promotion of the project was a walk performed in March 2016 with more than 1200 participants. A permanent collection center was established in the public works department at Piedras Negras.
4	20290	**The Rio Grande/Rio Bravo Water Quality Initiative, Laredo Texas**	The University of Texas at Austin	Laredo, TX.	Briselda Duarte (PM)	2/22/2016 8/31/2017	**$58,575.00** **$ 30,260.16**	**Project Status: Second extension granted to September 2018 because of changes on meetings dates with all stakeholders, which are now scheduled for the last week of July. Meetings were planned in coordination with CILA and TCEQ.**

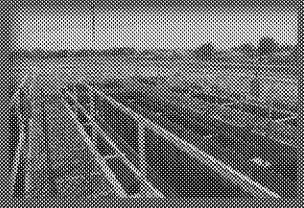
5	20291	**Fat, Oil and Grease (FOG) Public Outreach Campaign, Brownsville, Texas**	Brownsville Public Utilities Board	Brownsville, TX	Briselda Duarte (PM)	2/22/2016 2/2/2017	**$21,471.05** $ 21,471.05	**Project Status:** Project concluded on May 2017. Some of the project significant contributions are: • 12.58% reduction in service calls received by BPUB related to fats, oil and grease issues • 84 public outreach and trainings • 1713 participating residents and business owners.
6	20293	**Awareness and Discharge Control Rules**	Junta de Aguas y Drenaje de la Ciudad de Matamoros	Matamoros, Tamps	Briselda Duarte (PM)	TBD TBD	$25,000.00	**Project Status:** Cancelled due to an unacceptable legal framework to implement the customer municipal code. It was suggested to reapply for funding in the next RFP, once the municipal program is legally approved.
7	20294	**Let's Clean it Up and Green it Up, Pharr, Texas**	City of Pharr, Recycling Center	Pharr, TX	Jorge Hernandez (PM)	2/22/2016 4/2/2017	$ 33,910.47 $ 33,910.47	**Project Status:** Project concluded on May 2017. Some of the project significant contributions are: The city of Pharr participated on over 100 occasions where environmental education was discussed. More than 20 meetings, 40 events and about 50 presentations were given to students and/or residents on environmental issues. During the 14-month period of the project implementation, over 20,000 used tires were collected. The project included the 96-gallon recycling containers for advertising purposes.

Updated June 30, 2018

Amount Approved	$	182,635.10
Amount Disbursed	$	129,320.26

Total Approved	$	224,023.10
Total Disbursed	$	152,352.10

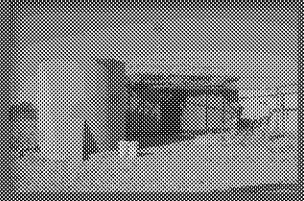
EPA Region 6



QUARTERLY REPORT

April – June 2018

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-00F59501



Submitted by:
Javier Torres, Technical Assistance Manager

Banco de Desarrollo de América del Norte
North American Development Bank

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-00F59501-3

Grant Period: Sep. 6, 2012 – Aug. 31, 2019

REPORTING PERIOD:

April - June 2018

TO:
Monica Randall
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:
Javier Torres
North American Development Bank
Technical Assistance Manager

July 30, 2018, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-00F59501

Contact:

Primary Contact Name: **Javier Torres**
Organization: North American Development Bank
Telephone & Fax: 01-656-688-4600 Email: jtorres@nadb.org

Reporting Period (please check appropriate period):

- ☐ October 1 – December 31, 2017, reporting period: report due on January 30, 2018
- ☐ January 1 – March 31, 2018, reporting period: report due on April 30, 2018
- ☒ April 1 – June 30, 2018, reporting period: report due on July 30, 2018
- ☐ July 1 – September 30, 2018, reporting period: report due on October 30, 2018
- ☐ October 1 – December 31, 2018, reporting period: report due on January 30, 2019
- ☐ January 1 – March 31, 2019, reporting period: report due on April 30, 2019
- ☐ April 1 – June 30, 2019, reporting period: report due on July 30, 2019
- ☐ July 1 – August 31, 2019, reporting period: report due on October 30, 2019

Check here if this is the final reporting period under your grant ___

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

Not considered during this period.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

Goal #1: Reduce Air Pollution

- ☒ Continue to focus on air pollution reductions in binational airsheds

ED_002319B_00013127-00003

☒ By 2018, maintain effective air quality monitoring networks and timely access to air quality data

☒ Reduce greenhouse gas emissions through energy efficiency and alternatives or renewable energy projects

Goal #2: Improve Access to Clean and Safe Water

☒ By 2015, increase homes connected to safe drinking water (DW) and waste water (WW) treatment

☒ Help DW and WW utilities become more efficient and sustainable

☒ Reduce levels of metals, sediment, or bacteria entering rivers and watersheds

Goal #3: Promote Materials and Waste Management and Clean Sites

☒ Develop capacity to improve collection and recycling of e-waste, plastics, and trash

☒ Develop scrap tire pile prevention and recycling capacity

☒ Develop institutional capacity to clean up contaminated sites

☒ Continue to share information on border area hazardous waste facilities

Goal #4: Enhance Joint Preparedness for Environmental Response

☒ Update eight sister city joint contingency plans with risk identification and reduction of all hazards

☒ Facilitate easier trans-boundary movement of equipment and personnel

☒ Continue updating the U.S.-Mexico Joint Contingency Plan

Goal #5: Compliance Assurance and Environmental Stewardship

☒ Improve information sharing between enforcement agencies on the movement of hazardous waste across the border

☒ Use Toxics Release Inventory (in the U.S.) and the Emissions and Contaminant

☒ Transfer Registry (RETC, in Mexico) to identify top polluters of toxic releases

ED_002319B_00013127-00004

☒ Training and information exchange on laws and regulations of respective countries

Summary of approved Work Plan activities performed during the reporting quarter.

The Bioswale Material for South Texas Stormwater Management project concluded on March 2017. Results include that after monitoring rain fall from April 2015 to November 2016, of the five porous materials used in the different parking areas pumice is a hydrologically best performing material for the bioswale porous media.

Overall logistical support for the year was provided for:

- New Mexico – Texas – Chihuahua Waste Task Force meeting, held on February 7, 2017 in Cd. Juarez, Chihuahua.
- New Mexico – Texas – Chihuahua Regional Workgroup Annual Meeting, held on February 14, 2017 in El Paso, Tx.
- Texas- Coahuila – Nuevo Leon – Tamaulipas Regional Workgroup Meeting, held on February 16, 2017 in Laredo, Tx.
- Paso Del Norte Binational Health Council-Environmental Health Committee held on March 22, 2017 in El Paso, Tx.
- Junta de los Rios (Texas – Chihuahua) Rural Task Force Meeting held on March 2, 2017 in Presidio TX
- New Mexico – Chihuahua Rural Task Force Annual Public Meeting held on March 30, 2017 in Palomas, Chih.
- New Mexico – Texas – Chihuahua Health Task Force Public Meeting held on March 30, 2017 in Las Cruces, NM.
- Extreme Heat and Health: Prevention, Mitigation, and Resilience in the Paso del Norte Region Meeting held on May 24th in Juarez, Chihuahua and El Paso, TX.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

-One RFP 2017 project is under development:

- Collaborative K12 Capacity Building and Research for Air Quality Monitoring.

-One project started in this grant:

- Mitigating Localized Flooding - Development of a Green Infrastructure Master Plan, Mercedes, TX.

For detail of the project status please refer to Attachment A.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

No problems have been reported.

Resolutions to Problems Previously Reported.

No problems have been reported.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

- Review and work with project sponsors in the development of projects and continue with the technical assistance process for the remaining RFP 2015 project.
- The development of a Four-State region project, on hold due to local government administration change, is expected to begin development next quarter:
  - Waste Separation Stations, Matamoros, Tamps.

Discuss what key personnel did on the project.

Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Briselda Duarte and Jorge Hernandez coordinated and monitored work plan activities of the projects in coordination with EPA. Marielena Constandse prepared this report. Marielena Constandse, Abril Quiroz and Javier Torres provided internal contract and grant administration and grant administration coordination with EPA.

Discuss any changes in key personnel.

No changes in key personnel took place this reporting period.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

N/A

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1				
Summary of Quarterly Expenses by Category (Report Period April 1 to June 30, 2018)				
Work Plan Tasks	**Approved Work Plan Budget**	**Previously Expended**	**Expenses this Quarter**	**Total Cumulative Expenses**
Task A- Logistics	$52,688	$52,668	$0	$52,668
Task B- RFP	$40,972	$40,972	$0	$40,972
Task C- Projects	$683,314	$559,984	$0	$559,984
Task D- NADB Presence	$30,579	$30,579	$0	$30,579
Task E- Emergency Response	$45,455	$45,455	$0	$45,455
Indirect Cost	$81,012	$73,169	$0	$73,169
TOTAL Cumulative Expenses	**$934,000**	**$802,827**	**$0**	**$802,827**

TABLE 2						
Budget Categories (programmatic costs only)	**Task A- Logistics**	**Task B- RFP**	**Task C- Projects**	**Task D- BECC Presence**	**Task E- Emergency Response**	**TOTAL Quarterly Expenses**
Personnel	$0	$0	$0	$0	$0	$0
Fringe Benefits	$0	$0	$0	$0	$0	$0
Travel	$0	$0	$0	$0	$0	$0
Contractual	$0	$0	$0	$0	$0	$0
Other (specify)	$0	$0	$0	$0	$0	$0
TOTAL Direct Charges	$0	$0	$0	$0	$0	$0
Indirect Costs	$0	$0	$0	$0	$0	$0
TOTAL Cumulative Expenses	$0	$0	$0	$0	$0	$0

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** July 30, 2018

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ATTACHMENT "A"

TAA Signed: 3/22/2018

Progress Tracking of 3 States Regional Workgroup Projects

REVIEW DATE: 6/30/2018

Estimated Overall Project Completion: 18%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20322	X4-00F59501 B2020-R6 934	2/9/2018	NR	03/12/2018 / 06/12/2018	Collaborative K12 capacity building and research for air quality monitoring	Goal 1 Objective 1	El Paso, Texas	Center for Environmental Resource Management and Geological Sciences Department, -University of Texas at El Paso	$ 65,000.00	$ -	Jorge Hernandez	Carlos Rincon	**Marketing and teacher recruitment**	Mar-18	May-18	100%	5/30/2008	
													GIS training workshops	May-18	May-19	25%	On going	1st Educational workshop on use of GIS was held on June 2018, 30 participants attended from U.S educators from public schools in El Paso, Texas
													Collect and process GIS data	Apr-18	May-18			
													Train students, conduct particulate matter risk analysis research	May-18	Nov-19			
													Produce web apps (story maps) and research publications	May-18	May-19			
													Teacher and student surveys	May-18	May-19			
													Final Report	Jun-19	Jul-19			

Reports	Due Date
1st Quarterly Report (Mar18- May 18)	6/30/2018
2nd Quarterly Report (Jun 18 - Aug 18)	9/30/2018
3rd Quarterly Report (Sep 18- Nov 18)	12/30/2018
4th Quarterly Report (Dec 18- Feb19)	3/31/2019
5th Quarterly Report (Mar19- May19)	6/30/2019
Final Report	7/31/2019

Legend	Definition
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 4/9/2018

Progress Tracking of TX/COAH/TAMPS/NL Regional Workgroup Projects

REVIEW DATE: 6/30/2018

Estimated Overall Project Completion: 18%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20323	X4-00F59501 B2020-R6 934	1/7/2018	NR	3/19/2018 - 3/19/2019	Development of a Green Infrastructure Master Plan in the Lower Rio Grande Valley	Goal 2 Objective 3	Mercedes, Tx	City of Mercedes, Texas	$ 30,000.00	$ -	Jorge Hernandez	Maria Sisneros	**Identify and prioritize problem areas within each region**	Mar-18	Apr-18	100%	5/30/2018	Project has reviewed literature and gathered information
													Planning Workgroup Meeting	Mar-18	Mar-19	25%	On going	Project is preparing a workshop
													Announcements/Website Updates	Apr-18	Mar-19			
													Workshops	Mar-18	Mar-19			
													Document Development (Draft and Final)	Sep-18	Mar-19			
													Conference Dates	Mar-19	Mar-19			
													Final Report	Apr-19	Apr-19			

Reports	Due Date
1st Quarterly Report (Mar18- May 18)	6/30/2018
2nd Quarterly Report (Jun 18 - Aug 18)	9/30/2018
3rd Quarterly Report (Sep 18- Nov 18)	12/30/2018
4th Quarterly Report (Dec 18-Feb19)	3/31/2019
Final Report	4/30/2019

LEGEND	MEANING
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

THREE STATE (TX-CH-NM) BORDER 2020 - 2013 PROJECTS										
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20249	1	Mejoramiento de la Red de Monitoreo de PM10 en Ojinaga	Municipio de Ojinaga, Chihuahua Ing. Miguel Adame Baeza moadameb@hotmail.com, (626)453-2541	Ojinaga	CHIH	IH AQ	4/15/2014 17 months	$ 13,175.35 $ 13,175.35	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * A network of monitoring of PM10 fully functional. * Three training events for technical personnel * Development of a Communications Plan for air quality data through local media and information materials.
2	20260	2	Sustaining the Environment at the New Mexico-Chihuahua Border	New Mexico Environment Department Ms. Mary Rose Mary.Rose@state.nm.us	Columbus, Deming	NM	BD MC	11/4/2014 13 months	$ 36,953.43 $ 36,953.43	**Project Status:** This project concluded on December 2015. $63,037 dlls. were returned to the grant. Some of the project significant contributions were: * Completion of two presentations on health impacts and effective, low-cost methods for controlling blowing sand and soil. * Completion of four septic maintenance workshops. * Organization of the largest ever water festival held in Columbus, NM.
3	20240	2	Comunidades Unidas en Prevencion de la Contaminacion Ambiental	Adult Youth United Development Association INC Olivia Figueroa Executive Director ayudaorg1@yahoo.com (915) 851-0272	Montana Vista, Cuadrilla, Tornillo	TX	BD AQ	5/1/2014 16 months	$ 49,776.41 $ 49,776.41	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * Training program outreach, 2,332 people *Identification of septic tanks with GIS, 467 houses *Surveys conducted, 462 *Creation of mapping and database in Cuadrilla, Montana Vista, Tornillo, and Valle Bonito at El Paso County
4	20262	3	Ysleta del Sur Pueblo Community Collection Center	Ysleta del Sur Pueblo Evaristo Cruz, ecruz@ydsp.nsn.gov (915)859-7913 ext 7755	El Paso	TX	IH MC	10/1/2014 18 months	$ 65,776.92 $ 65,776.92	**Project Status:** Project finished on April 2015. The main results of the project were: * Collection of a total of 250 tires. * 10,800 pounds of electronic waste collected. 42.35 lbs per household during a 14 month period an estimate of 1.4 lbs per household per month. * 5,420 pounds of recyclables collected. 21.25 lbs per household in a 14 month period an estimate of 4.3 lbs per household per month.
5	20247	3	Reciclaje de Biosolidos en Suelos Agricolas del Valle de Juarez, Chihuahua	Universidad Autónoma de Ciudad Juárez Dr. Juan Pedro Flores Margez Tels. 656-688-1800 ext. 1561, 1976 y 1671 Servicos Agropecuarios Paso del Norte, SC Lic. Ana Irene Flores Arras	Valle de Juárez Valle de Juárez	CHIH CHIH	IH AQ IH AQ	4/13/2014 19 months 4/13/2014 19 months	$ 28,329.78 $ 28,329.78 $ 8,406.38 $ 8,406.38	**Project Status:** The Project was concluded on December 2015. Some of the project significant contributions were: The project established a sustainable program on agricultural use of biosolids, through 15 demonstration hectares. Important outputs are: * Establish a program promoting the adoption by farmers on the use of biosolids on agricultural land. * A list of volunteer farmers to continue the application of biosolids on 100 hectares in 2015 * Three field demonstrations, educational materials for 150 producers and agricultural technicians in the region.

6	**20248**	**Environmental Health**	Urban Keyhole Gardens using Rain Water Harvesting Techniques	El Paso Water Utilities	El Paso	TX	AH	4/7/2015	$ 6,120.08	**Project Status:** <u>This project concluded on May 2015</u>. Some of the project significant contributions were: 14 educational events, with a total of 956 attendees. The overall acceptance of the keyhole gardens, as a vegetable gardening option was well received by the public that attended the various workshops. Final report has been submitted and approved.
				Anai J. Padilla El Paso Water Utilities Phone: 915.621.2000 Email: ajpadilla@epwu.org			AQ	13 months	$ 6,120.08	
7	20250	Environmental Health	Estudio epidemiológico, asociados de enfermedades respiratorias y calidad de aire. Proyecto de comunicación de riesgos	COESPRIS (Comisión Estatal para la protección contra Riesgos Sanitarios en Cl. [illegible] QBP [illegible] Montreal Tel: [illegible]	Gt. Juárez	CHIH	AR		$ [illegible]	**Project Status:** Cancelled
							AQ			
									$ 251,826.36	
									$ 208,750.36	

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2012 - 2013 PROJECTS											
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed		STATUS
1	20241	1	Characterizing Drayage Activities and Emissions in Laredo-Nuevo Laredo Airshed	Texas A&M Transportation Institute (TTI) Farzaneh, Reza Research Engineer m-farzaneh@tamu.edu (512) 407-1118	Laredo	TX	JH AQ	9/1/2014 18 months	$ $	89,750.00 89,750.00	**Project Status:** The project concluded on March 2016. Some of the project significant contributions were: Important air quality impacts of drayage trucks in the region; specifically, the results show that the Colombia bridge crossing is the most utilized port of entry in the region, and is associated with relatively high emissions caused by high truck volumes and slow speeds, therefore high emissions adjacent to urban area of both Laredos.
2	20258	2	Determining the Ideal Bioswale Material for South Texas Stormwater Management	The University of Texas Pan American Jungseok Ho, Ph.D., P.E. (956) 665-3104, hoj@utpa.edu	Edinburgh	TX	AH AQ	12/1/2014 24 months	$ $	24,133.69 24,133.69	**Project Status:** The Bioswale Material for South Texas Stormwater Management project concluded on March 2017. Results include that after monitoring rain fall from April 2015 to November 2016, of the five porous materials used in the different parking areas pumice is a hydrologically best performing material for the bioswale porous media
3	20245	2	Conservación del Arroyo Las Vacas en Ciudad Acuña, Coahuila, Mexico	SECRETARÍA DE MEDIO AMBIENTE DEL ESTADO DE COAHUILA Alejandra Carrera alejandra.carrera@semarnat.gob.mx (844) 4100014	Acuña	COAH	BD AQ	7/14/2014 22 months	$ $	34,605.92 34,605.92	**Project Status:** The project concluded on May 2016. Some of the project significant contributions are: a) Binational group created among SEMA Coahuila, TCEQ, Acuna City, Tec of Acuna, CILA, IBWC, UT Austin CONANP. b) Diagnostic Report with inventory data of existing vegetation and species along the 26km of the Acuña river, GIS maps accessible to the public. c) Close out of 35 wastewater illegal dumping sites in 2015. d) Reforestation with 225 native trees. e) Binational workshop on water quality with Tecnologico de Acuña and Texas A&M at Austin.
4	20246	3	Diagnóstico de generación de residuos en la región fronteriza norteste	Secretaría de Desarrollo Sustentable, Gobierno del Estado de Nuevo León Lic. Norma Rangel Sevilla, normaarangel@gmail.com, (81)2033-1930	Sabinas Hidalgo, NL	NL	JH MC	4/1/2014 15 months	$ $	17,457.39 17,457.39	**Project Status:** This project concluded on August 2015. Some of the project significant contributions were: * Characterization of waste in the municipality * Generation of a manual on handling e-waste * Action plan developed
5	20243	3	Keeping Pharr Beautiful Starts at Home	City of Pharr, Public Works Department Grace Segovia, M.A. City of Pharr, Public Works Department Phone: (956) 402-4350 grace.segovia@pharr-tx.gov	Pharr	TX	AH AQ	4/7/2014 20 months	$ $	19,830.86 19,830.86	**Project Status:** This project concluded on December 2015. Some of the project significant contributions were: * The reduction in illegal dumping cases from 350 in 2013 to 100 in 2014 * The number of tires collected by city workers decreased from 4,991 in 2013 to 4,520 in 2014.

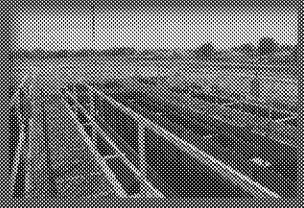
6	20255	3	Alamo Recycling TEAM Includes Everyone (ARTIE)	City of Alamo Melisa Gonzales Storm Water Manager Phone: 956-787-0006 x 140 mgonzales@alamotexas.org	Alamo	TX	AH AO	4/21/2014 24 months	$ $	54,836.16 54,836.16	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven sanitation model that can be easily replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implementation of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
7	20253	3	Manejo, Gestión y Control de Grasas y Aceites	Comisión Municipal de Agua Potable y Alcantarillado Marisela Flores floresmariela@hotmail.com (867) 712-5399	Nuevo Laredo	TAMPS	BD MC	6/3/2014 17 months	$ $	6,497.10 6,497.10	**Project Status:** This project concluded on February 2016. Some of the project significant contributions were: 449 establishments trained, giving them the necessary tools to establish procedures in its companies to raise their compliance, to strengthen the compromise among employees, creating a synergy with the operator body. 94 of these establishments will continue to be monitor by COMAPA to ensure environmental compliance and 13 establishments set up lats and oils traps. 86% of visited users comply with established procedures and are implementing the strategies presented in the workshops.
8	20252	Environmental Health	Promotora-Led Environmental Health Education for Children	La Amistad AHEC / Southwest Border AHEC Rose Martinez 830.758.1111 rose.martinez@swbahec.org	Eagle Pass	TX	AH MC	6/16/2014 17 months	$ $	69,023.50 69,023.50	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven Sanitation Model that can be successfully replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implementation of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
9	20251	Environmental Health	Planeación de un Modelo de Información de la frontera Texas/Mexico	El Colegio de la Frontera Norte, A.C. Dr. Felipe Javier Uribe Sala Tel. (878) 782 7207 Texas A&M HSC Dr. Gerry Carrillo Phone: 956.668.6371 gcarrillo@tamhsc.edu	Piedras Negras Piedras Negras	COAH COAH	BD MC BD MC	5/15/2014 18 months 5/15/2014 18 months	$ $ $ $	19,140.15 19,140.15 15,958.30 15,958.30	**Project Status:** The project concluded on April 2016. Some of the project significant contributions are: a) Identification of agencies who manage health information in the region. b) Organization of a working group to discuss the information on environment and health, among: TCEQ, COLEF, SEMA Coahuila, Texas A&M McAllen Campus. c) MOU agreement between Colef and SEMA Coahuila to share health information and define health indicators. d) Diagnostic report with the identification of sources of environmental information with health associated diseases.

10	20270	Environmental Health	McAllen-Mission-Pharr/Reynosa Hazards in Transportation Binational Training and Exercise	City of McAllen Juan Gloria (956)681-2540 jgloria@mcallen.net	McAllen	TX	BD	4/24/2015	$ 45,455.00	**Project Status:** The Project concluded on December 2015. Some of the project significant contributions were: * Update of the Regional Sister City Plan e-directory * Training on HAZMAT response on International border crossing on Sept. 2015.
							MC	5 months	$ 45,455.00	

	$	396,688.07
	$	396,598.07
Total Approved	$	648,514.43
Total Disbursed	$	605,348.43

Updated June 30, 2018

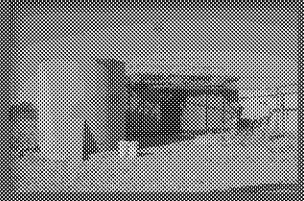
EPA Region 6



QUARTERLY REPORT

October – December 2017

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-00F59501



Submitted by:
Javier Torres, Technical Assistance Manager

Banco de Desarrollo de América del Norte
North American Development Bank

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-00F59501-3

Grant Period: Sep. 6, 2012 – Dec. 31, 2017

REPORTING PERIOD:

October - December 2017

TO:

Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:

Javier Torres
North America Development Bank
Technical Assistance Manager

January 30, 2018, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-00F59501

Contact:

Primary Contact Name: **Javier Torres**
Organization: North American Development Bank
Telephone & Fax: 01-656-688-4600 Email: jtorres@nadb.org

Reporting Period (please check appropriate period):

- ☐ October 1 – December 31, 2016, reporting period: report due on January 30, 2017
- ☐ January 1 – March 31, 2017, reporting period: report due on April 30, 2017
- ☐ April 1 – June 30, 2017, reporting period: report due on July 30, 2017
- ☐ July 1 – September 30, 2017, reporting period: report due on October 30, 2017
- ☒ October 1 – December 31, 2017, reporting period: report due on January 30, 2018

Check here if this is the final reporting period under your grant ___

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

Not considered during this period.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

Goal #1: Reduce Air Pollution

- ☒ Continue to focus on air pollution reductions in binational airsheds
- ☒ By 2018, maintain effective air quality monitoring networks and timely access to air quality data
- ☒ Reduce greenhouse gas emissions through energy efficiency and alternatives or renewable energy projects

ED_002319B_00013129-00003

Goal #2: Improve Access to Clean and Safe Water

- ☒ By 2015, increase homes connected to safe drinking water (DW) and waste water (WW) treatment
- ☒ Help DW and WW utilities become more efficient and sustainable
- ☒ Reduce levels of metals, sediment, or bacteria entering rivers and watersheds

Goal #3: Promote Materials and Waste Management and Clean Sites

- ☒ Develop capacity to improve collection and recycling of e-waste, plastics, and trash
- ☒ Develop scrap tire pile prevention and recycling capacity
- ☒ Develop institutional capacity to clean up contaminated sites
- ☒ Continue to share information on border area hazardous waste facilities

Goal #4: Enhance Joint Preparedness for Environmental Response

- ☒ Update eight sister city joint contingency plans with risk identification and reduction of all hazards
- ☒ Facilitate easier trans-boundary movement of equipment and personnel
- ☒ Continue updating the U.S.-Mexico Joint Contingency Plan

Goal #5: Compliance Assurance and Environmental Stewardship

- ☒ Improve information sharing between enforcement agencies on the movement of hazardous waste across the border
- ☒ Use Toxics Release Inventory (in the U.S.) and the Emissions and Contaminant
- ☒ Transfer Registry (RETC, in Mexico) to identify top polluters of toxic releases
- ☒ Training and information exchange on laws and regulations of respective countries

ED_002319B_00013129-00004

Summary of approved Work Plan activities performed during the reporting quarter.

The Bioswale Material for South Texas Stormwater Management project concluded on March 2017. Results include that after monitoring rain fall from April 2015 to November 2016, of the five porous materials used in the different parking areas pumice is a hydrologically best performing material for the bioswale porous media.

Overall logistical support for the year was provided for:

- New Mexico – Texas – Chihuahua Waste Task Force meeting, held on February 7, 2017 in Cd. Juarez, Chihuahua.
- New Mexico – Texas – Chihuahua Regional Workgroup Annual Meeting, held on February 14, 2017 in El Paso, Tx.
- Texas- Coahuila – Nuevo Leon – Tamaulipas Regional Workgroup Meeting, held on February 16, 2017 in Laredo, Tx.
- Paso Del Norte Binational Health Council-Environmental Health Committee held on March 22, 2017 in El Paso, Tx.
- Junta de los Rios (Texas – Chihuahua) Rural Task Force Meeting held on March 2, 2017 in Presidio TX
- New Mexico – Chihuahua Rural Task Force Annual Public Meeting held on March 30, 2017 in Palomas, Chih.
- New Mexico – Texas – Chihuahua Health Task Force Public Meeting held on March 30, 2017 in Las Cruces, NM.
- Extreme Heat and Health: Prevention, Mitigation, and Resilience in the Paso del Norte Region Meeting held on May 24th in Juarez, Chihuahua and El Paso, TX.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

110 proposals were submitted in response to the 2017 RFP. 16 projects were preselected. Workplans of these 16 projects are under development.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

No problems have been reported.

Resolutions to Problems Previously Reported.

No problems have been reported.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

Review and finalize preselected proposal workplans and initiate Technical Assistance process.

Two preselected projects are proposed for development and funding by this grant:

Three States Region:

- Collaborative K12 Capacity Building and Research for Air Quality Monitoring in El Paso, TX

Four States Region:

- Waste Separation Stations, Matamoros, TAMPS.

Discuss what key personnel did on the project.

Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Briselda Duarte and Jorge Hernandez coordinated and monitored work plan activities of the projects in coordination with EPA. Marielena Constandse prepared this report. Marielena Constandse, Abril Quiroz and Javier Torres provided internal contract and grant administration and grant administration coordination with EPA.

Discuss any changes in key personnel.

No changes in key personnel took place this reporting period.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

N/A

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1				
Summary of Quarterly Expenses by Category (Report Period October 1 to December 31, 2017)				
Work Plan Tasks	**Approved Work Plan Budget**	**Previously Expended**	**Expenses this Quarter**	**Total Cumulative Expenses**
Task A- Logistics	$48,906	$52,668	$0	$0
Task B- RFP	$44,557	$40,972	$0	$0
Task C- Projects	$681,530	$559,984	$0	$0
Task D- BECC Presence	$ 28,643	$30,579	$0	$0
Task E- Emergency Response	$45,455	$45,455	$0	$0
Indirect Cost	$84,909	$73,169	$0	$0
TOTAL Cumulative Expenses	**$934,00**	**$802,826**	**$0**	**$0**

TABLE 2						
Budget Categories (programmatic costs only)	**Task A- Logistics**	**Task B- RFP**	**Task C- Projects**	**Task D- BECC Presence**	**Task E- Emergency Response**	**TOTAL Quarterly Expenses**
Personnel	$0	$0	$0	$0	$0	$0
Fringe Benefits	$0	$0	$0	$0	$0	$0
Travel	$0	$0	$0	$0	$0	$0
Contractual	$0	$0	$0	$0	$0	$0
Other (specify)	$0	$0	$0	$0	$0	$0
TOTAL Direct Charges	$0	$0	$0	$0	$0	$0
Indirect Costs	$0	$0	$0	$0	$0	$0
TOTAL Cumulative Expenses	$0	$0	$0	$0	$0	$0

[1]EPA defines equipment as items that cost $5,000 or more with a useful life of more than one year. Items costing less than $5,000 are considered supplies. [2]Applicants must comply with the procurement procedures contained in 40 CFR 31.36, or for non-profits, with 40 CFR30.40.

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** January 30, 2018

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ATTACHMENT "A"

THREE STATE (TX-CH-NM) BORDER 2020 - 2013 PROJECTS											
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer	Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20249	1	Mejoramiento de la Red de Monitoreo de PM10 en Ojinaga	Municipio de Ojinaga, Chihuahua	Ing. Miguel Adame Baeza; moadameb@hotmail.com; (626)453-2541	Ojinaga	CHIH	IH AQ	4/15/2014 17 months	$ 13,175.35 $ 13,175.35	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * A network of monitoring of PM10 fully functional. * Three training events for technical personnel * Development of a Communications Plan for air quality data through local media and information materials.
2	20260	2	Sustaining the Environment at the New Mexico-Chihuahua Border	New Mexico Environment Department	Ms. Mary Rose Mary.Rose@state.nm.us	Columbus, Deming	NM	BD MC	11/4/2014 13 months	$ 36,953.43 $ 36,953.43	**Project Status:** This project concluded on December 2015. $63,037 dlls. were returned to the grant. Some of the project significant contributions were: * Completion of two presentations on health impacts and effective, low-cost methods for controlling blowing sand and soil. * Completion of four septic maintenance workshops. * Organization of the largest ever water festival held in Columbus, NM.
3	20240	2	Comunidades Unidas en Prevencion de la Contaminacion Ambiental	Adult Youth United Development Association INC	Olivia Figueroa Executive Director ayudaorg1@yahoo.com; (915) 851-0272	Montana Vista, Cuadrilla, Tornillo	TX	BD AQ	5/1/2014 16 months	$ 49,776.41 $ 49,776.41	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * Training program outreach, 2,332 people *Identification of septic tanks with GIS, 467 houses *Surveys conducted, 462 *Creation of mapping and database in Cuadrilla, Montana Vista, Tornillo, and Valle Bonito at El Paso County
4	20262	3	Ysleta del Sur Pueblo Community Collection Center	Ysleta del Sur Pueblo	Evaristo Cruz; ecruz@ydsp-nsn.gob; (915)859-7913 ext 7755	El Paso	TX	IH MC	10/1/2014 18 months	$ 65,776.92 $ 65,776.92	**Project Status:** Project finished on April 2015. The main results of the project were: * Collection of a total of 250 tires. * 10,800 pounds of electronic waste collected. 42.36 lbs per household during a 14 month period an estimate of 1.4 lbs per household per month. * 5,420 pounds of recyclables collected. 21.25 lbs per household in a 14 month period an estimate of 4.3 lbs per household per month.
5	20247	3	Reciclaje de Biosolidos en Suelos Agricolas del Valle de Juarez, Chihuahua	Universidad Autónoma de Ciudad Juárez	Dr. Juan Pedro Flores Margez Tels. 656-688-1800 ext. 1561, 1976 y 1671	Valle de Juarez	CHIH	IH AQ	4/13/2014 19 months	$ 28,329.78 $ 28,329.78	**Project Status:** The Project was concluded on December 2015. Some of the project significant contributions were: The project established a sustainable program on agricultural use of biosolids, through 15 demonstration hectares. Important outputs are: * Establish a program promoting the adoption by farmers on the use of biosolids on agricultural land. * A list of volunteer farmers to continue the application of biosolids on 100 hectares in 2015 * Three field demonstrations, educational materials for 150 producers and agricultural technicians in the region
				Servicos Agropecuarios Paso del Norte, SC	Lic. Ana Irene Flores Arras	Valle de Juarez	CHIH	IH AQ	4/1/2014 19 months	$ 8,406.38 $ 8,406.38	

6	**20245**	**Environmental Health**	Urban Keyhole Gardens using Rain Water Harvesting Techniques	El Paso Water Utilities Anai I. Padilla El Paso Water Utilities Phone: 915.621.2000 Email: aipadilla@epwu.org	El Paso	TX	AH AQ	4/7/2015 13 months	$ 6,120.08 $ 6,120.08	**Project Status:** The project concluded on May 2015. Some of the project significant contributions were: 14 educational events, with a total of 955 attendees. The overall acceptance of the keyhole gardens, as a vegetable gardening option was well received by the public that attended the various workshops. Final report has been submitted and approved.
7	20250	Environmental Health	[illegible]	[illegible]	[illegible]	[illegible]	AH AQ	[illegible]	[illegible]	Project Status: [illegible]

$ 251,826.36
$ 208,750.36

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2012 - 2013 PROJECTS											
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed		STATUS
1	20241	1	Characterizing Drayage Activities and Emissions in Laredo-Nuevo Laredo Airshed	Texas A&M Transportation Institute (TTI) Farzaneh, Reza Research Engineer m-farzaneh@tamu.edu (512) 407-1118	Laredo	TX	JH AQ	9/1/2014 18 months	$ $	89,750.00 89,750.00	**Project Status:** The project concluded on March 2016. Some of the project significant contributions were: Important air quality impacts of drayage trucks in the region; specifically, the results show that the Colombia bridge crossing is the most utilized port of entry in the region, and is associated with relatively high emissions caused by high truck volumes and slow speeds, therefore high emissions adjacent to urban area of both Laredos.
2	20258	2	Determining the Ideal Bioswale Material for South Texas Stormwater Management	The University of Texas Pan American Jungseok Ho, Ph.D., P.E. (956) 665-3104, hoj@utpa.edu	Edinburgh	TX	AH AQ	12/1/2014 24 months	$ $	24,133.69 24,133.69	**Project Status:** The Bioswale Material for South Texas Stormwater Management project concluded on March 2017. Results include that after monitoring rain fall from April 2015 to November 2016, of the five porous materials used in the different parking areas pumice is a hydrologically best performing material for the bioswale porous media
3	20245	2	Conservación del Arroyo Las Vacas en Ciudad Acuña, Coahuila, Mexico	SECRETARÍA DE MEDIO AMBIENTE DEL ESTADO DE COAHUILA Alejandra Carrera alejandra.carrera@semarnat.gob.mx (844) 4100014	Acuña	COAH	BD AQ	7/14/2014 22 months	$ $	34,605.92 34,605.92	**Project Status:** The project concluded on May 2016. Some of the project significant contributions are: a) Binational group created among SEMA Coahuila, TCEQ, Acuna City, Tec of Acuna, CILA, IBWC, UT Austin CONANP. b) Diagnostic Report with inventory data of existing vegetation and species along the 26km of the Acuña river, GIS maps accessible to the public. c) Close out of 35 wastewater illegal dumping sites in 2015. d) Reforestation with 225 native trees. e) Binational workshop on water quality with Tecnologico de Acuña and Texas A&M at Austin.
4	20246	3	Diagnóstico de generación de residuos en la región fronterizo norte	Secretaría de Desarrollo Sustentable, Gobierno del Estado de Nuevo León Lic. Norma Rangel Sevilla, normaarangel@gmail.com, (81)2033-1930	Sabinas Hidalgo, NL	NL	JH MC	4/1/2014 15 months	$ $	17,457.39 17,457.39	**Project Status:** This project concluded on August 2015. Some of the project significant contributions were: * Characterization of waste in the municipality * Generation of a manual on handling e-waste * Action plan developed
5	20243	3	Keeping Pharr Beautiful Starts at Home	City of Pharr, Public Works Department Grace Segovia, M.A. City of Pharr, Public Works Department Phone: (956) 402-4350 grace.segovia@pharr-tx.gov	Pharr	TX	AH AQ	4/7/2014 20 months	$ $	19,830.86 19,830.86	**Project Status:** This project concluded on December 2015. Some of the project significant contributions were: * The reduction in illegal dumping cases from 350 in 2013 to 100 in 2014 * The number of tires collected by city workers decreased from 4,991 in 2013 to 4,520 in 2014.

6	20255	3	Alamo Recycling TEAM Includes Everyone (ARTIE)	City of Alamo Melisa Gonzales Storm Water Manager Phone: 956-787-0006 x 140 mgonzales@alamotexas.org	Alamo	TX	AH AO	4/21/2014 24 months	$ $	54,438.00 54,816.16	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven sanitation model that can be easily replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implemenration of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
7	20253	3	Manejo, Gestión y Control de Grasas y Aceites	Comisión Municipal de Agua Potable y Alcantarillado Marisela Flores floresmariela@hotmail.com (867) 712-5399	Nuevo Laredo	TAMPS	BD MC	6/3/2014 17 months	$ $	6,497.10 6,497.10	**Project Status:** This project concluded on February 2016. Some of the project significant contributions were: 449 establishments trained, giving them the necessary tools to establish procedures in its companies to raise their compliance, to strengthen the compromise among employees, creating a synergy with the operator body. 56 of these establishments will continue to be monitor by COMAPA to ensure environmental compliance and 13 establishments set up lats and oils traps. 86% of visited users comply with established procedures and are implementing the strategies presented in the workshops.
8	20252	Environmental Health	Promotora-Led Environmental Health Education for Children	La Amistad AHEC / Southwest Border AHEC Rose Martinez 830.758.1111 rose.martinez@swbahec.org	Eagle Pass	TX	AH MC	6/16/2014 17 months	$ $	69,043.50 69,043.50	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven Sanitation Model that can be successfully replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implementation of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
9	20251	Environmental Health	Planeación de un Modelo de Información de la frontera Texas/Mexico	El Colegio de la Frontera Norte, A.C. Dr. Felipe Javier Uribe Sala Tel. (878) 782 7207 Texas A&M HSC Dr. Gerry Carrillo Phone: 956.668.6371 gcarrillo@tamhsc.edu	Piedras Negras Piedras Negras	COAH COAH	BD MC BD MC	5/15/2014 18 months 5/15/2014 18 months	$ $ $ $	19,140.15 19,140.15 15,658.30 15,658.30	**Project Status:** The project concluded on April 2016. Some of the project significant contributions are: a) Identification of agencies who manage health information in the region. b) Organization of a working group to discuss the information on environment and health, among: TCEQ, COLEF, SEMA Coahuila, Texas A&M McAllen Campus. c) MOU agreement between Colef and SEMA Coahuila to share health information and define health indicators. d) Diagnostic report with the identification of sources of environmental information with health associated diseases.

10	20270	Environmental Health	McAllen-Mission-Pharr/Reynosa Hazards in Transportation Binational Training and Exercise	City of McAllen Juan Gloria (956)681-2540 jgloria@mcallen.net	McAllen	TX	BD	4/24/2015	$ 45,455.00	**Project Status:** The Project concluded on December 2015. Some of the project significant contributions were: * Update of the Regional Sister City Plan e-directory * Training on HAZMAT response on International border crossing on Sept. 2015.
							MC	5 months	$ 45,455.00	

	$	396,689.91
	$	396,598.07
Total Approved	$	648,516.27
Total Disbursed	$	605,348.43

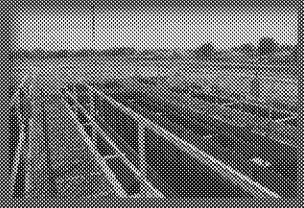
Updated December 31, 2017

THREE STATE (TX-CH-NM) BORDER 2020 - 2017 PROJECTS										
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1		**2**	Collaborative K12 capacity building and research for air quality monitoring	Center for Environmental Resource Management and Geological Sciences Department, -University of Texas at El Paso Stanley Mubako stmubako@utep.edu			SV/AQ		$ 95,331.00	**Project status:**
									$ 95,331.00	
									$ -	

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2012 - 2013 PROJECTS											
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1		3	Waste Separation Stations, Matamoros, TAMPS.	Presidencia Municipal H. Matamoros, Tamaulipas Dirección de Control Ambiental Eduardo Jorge Castilla e_castilla1974@hotmail.com			JH/AQ		$ 12,352.00	**Project status:**
									$ 12,352.00	
									$ -	
								Total Approved	$ 107,683.00	
								Total Disbursed	$ -	

Updated December 30, 2017

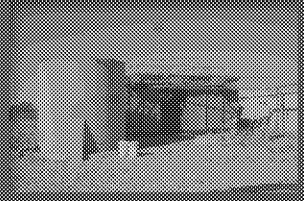
EPA Region 6



QUARTERLY REPORT

October - December 2017

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-00F92501



Submitted by:
Javier Torres, Technical Assistance Manager

Banco de Desarrollo de América del Norte
North American Development Bank

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-00F92501

Grant Period: Sep. 17, 2004 – Aug. 31, 2019

REPORTING PERIOD:

October – December 2017

TO:

Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:

Javier Torres
North American Development Bank
Technical Assistance Manager

January 30, 2018, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-00F92501

Contact:

Primary Contact Name: **Javier Torres**
Organization: North American Development Bank
Telephone & Fax: 01-656-688-4600 Email: jtorres@nadb.org

Reporting Period (please check appropriate period):

- ☐ July 1 – September 30, 2017, Reporting period: report due on October 30, 2017
- ☒ October 1 – December 31, 2017, Reporting period: report due on January 30, 2018
- ☐ January 1 – March 31, 2018, Reporting period: report due on April 30, 2018
- ☐ April 1 – June 30, 2018, Reporting period: report due on July 30, 2018
- ☐ July 1 – September 30, 2018, Reporting period: report due on October 30, 2018
- ☐ October 1 – December 31, 2018, Reporting period: report due on January 30, 2019
- ☐ January 1 – March 31, 2019, Reporting period: report due on April 30, 2019
- ☐ April 1 – June 30, 2019, Reporting period: report due on July 30, 2019
- ☐ July 1 – August 30, 2019, Reporting period: report due on September 30, 2019

Check here if this is the final reporting period under your grant ☐

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

None to report.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

GOAL 1. - *Reduce Air Pollution*

Objective 1. - By 2020, in accordance with the NAFTA, promote the reduction of the number of vehicles operating in the border region that do not comply with the respective vehicle emissions' standards and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible reduction measures.

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- **Project type 1:** Support the development of vehicle emissions programs in collaboration with governmental entities in order to improve compliance, enhance detection and correction of non-compliance vehicles. In addition, capacity building activities to reduce air pollution, in the border cities or at the Ports of Entry (POE), which may include the enforcement of environmental compliance at the time of used vehicle importation.

Objective 2.- By 2020, reduce pollutant emissions in order to approach attainment of respective national ambient air quality standards (i.e. National Ambient Air Quality Standards (NAAQS) or Norms as they are referred in Mexico) in the El Paso, Texas–Dona Ana County, New Mexico and at State of Chihuahua's border cities' air sheds.

- **Project type 1:** Establish joint collaboration strategies with governmental and/or non-governmental regulatory and planning agencies to identify and implement air pollutant reduction strategies to achieve better air quality in the Paso del Norte region (PdN). Projects should promote, expand, and be consistent with the strategies identified in PROAIREs (Mexico's air shed management plan) or U.S. Clean Air Act (USCAA) State Implementation Plans (SIPs.)

Objective 3. – By 2018, maintain effective Ambient Air Quality Monitoring Network (AAQMN) and provide real-time access to air quality data produced at New Mexico/Texas /Mexico air sheds.

- **Project Type 1:** Initiatives for this objective should aim to ensure the long term sustainability and data quality for the El Paso, Texas – Ciudad Juarez, Chihuahua air quality monitoring network.

GOAL 2: ***Water – Improve Access to Clean and Safe Water***

- **Project type 1:** Efforts under this goal should be targeted to capacity building proposals that incorporate replication strategies, on proper maintenance and/or decommissioning of septic tanks, water conservation and pollution prevention in order to better understand, plan and maintain cleanup sources of drinking water on future groundwater supplies in New Mexico-Texas-Chihuahua border, specifically in Dona Ana County, New Mexico (particularly those communities along the corridor between El Paso, Texas and Las Cruces, New Mexico) and Luna County, New Mexico and El Paso County, Texas.

Objective 2. - Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.

- **Project type 1:** Conduct energy and/or water audits on small water drinking systems that serve communities with less than a population of 5,000 users, to identify recommendations on how to improve efficiency and provide cost-savings measures for that system.
- **Project type 2:** Outreach and education to improve water quality within the Gulf Task Force Region.

Objective 3. - Work bi-nationally to identify and reduce surface water contamination in Trans - boundary water bodies and watersheds.

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Objective 3a. - Develop a binational watershed protection plan in the Lower Rio Grande below Falcon International Dam. Initial activities could include partnership building, watershed characterization, definition of goals/identification of solutions, determination of waste load, load allocations for each country, and development of an implementation plan.

- **Project type 1:** Continue to support activities that meet objective 3a– The proposals should address any water quality sampling and collection, data analysis, modeling and surveys still required by the bi-national workgroup on this project. In addition, the work should also support any additional training or workshops needed, among others, by the Amistad and Falcon Task Force, as well by the Texas-Coahuila-Nuevo Leon –Tamaulipas, Regional Work Group.

GOAL 3: ***Promote Materials Management & Waste Management, & Clean Sites***

Objective 1. - By 2020, increase local and state-level institutional knowledge and experience in the area of sustainable material management practices.

- **Project type 1**: Proposals should be aimed to build capacity and establish strategies to improve infrastructure to minimize waste, maximize collections systems, support secondary materials markets, and reduce overall disposal in landfills and open dumps.

Objective 2. - Identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.

- **Project type 1:** Identify priority waste streams in the municipalities from Four States region and develop sustainable waste management programs for those municipalities to include strengthening the market value of the waste.
- **Project type 2:** Develop sustainable management practices to address used electronics, household hazardous waste, and tires in the Region which will include an educational component to promote recycling and solid waste practices.

GOAL 4: ***Enhance Joint Preparedness for Environmental Response***

Objective 2. - By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building

- **Project type 1:** Conduct bi-national training to both U.S. and Mexican local emergency responders, on incidents involving Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE), and/or all hazards response skills enabling them to respond safely and effectively to these types of incidences.
- **Project type 2:** Conduct bi-national training to U.S. and Mexican local emergency responders, specifically on HAZMAT incidences only.
- **Project type 3:** Conduct bi-national: 1) tabletop drill with functional drill/exercise or 2) Full Scale Drill/Exercises to test local sister city plans. In order to meet the definition of bi-national, the drills/exercises should go beyond a simple notification to the local sister-city pair and demonstrate actual coordination of resources (expertise, equipment, personnel, etc.) between the sister-cities.
- **Project type 4:** Develop a hazardous materials risk analysis.

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GOAL 5. – Enhance *Compliance Assurance and Environmental Stewardship*

Objective 4. - By 2020, implement at least five (5) binational workshops targeted to environmental enforcement professionals, including ports-of-entry customs professionals (i.e. Department of Homeland Security-Customs and Border Protection), to promote the exchange of information and improve understanding of each Country's respective compliance and enforcement programs and tools, including field studies.

- **Project type 1:** Proposals should consider events for information exchange to improve understanding each Country's respective compliance and enforcement programs and tools including field inspections and case development practices.

Fundamental Strategies

Promoting Environmental Health

- **Project type 1:** Projects presented under this fundamental strategy should increase engagement and participation by the community and stakeholders to better manage the environment and public health issues along the border.

Building Capacity towards Climate Change Resiliency

- **Project type 1**: The Border 2020 climate change efforts should focus on reducing greenhouse gas (GHG) emissions and on actions to help border communities become more resilient to the effects of climate change.

Summary of approved Work Plan activities performed during the reporting quarter.

Projects in progress during reporting period:

Project ID	Goal	Objective	Project Name	Status
20298	3	1	Sewage Sludge and Biosolids Agricultural Soils Project in the Valle de Juarez, Chihuahua	Project Status: Activities for this quarter include attending the meetings of District Rural Development Councils convened by SAGARPA to continue the dissemination and activation of the Commission for the Use of Biosolids; support UACJ researchers in the preparation and dissemination of brochures for agricultural producers. Collect and analyze all the information that has been obtained in the activities and support the Project Director in writing the project's final report. The final report will be delivered by March 31, 2018.
20303	FS	NA	Healthy and Resilient Housing in west Ciudad Juarez, Chihuahua	Project Status: Project progress of 98%; ecological technologies completed in 50 homes, manual on energy savings

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				completed as well. Project will be finished on January 2018, waiting on final report and factsheet.
20302	FS	NA	Green Infrastructure in Public Space on Valle del Sol Avenue, Ciudad Juarez, Chihuahua	Project concluded on December 2017. Some of the most relevant outputs and outcomes are: Monitoring of rain water volume occurred during17 months, from July 2016 to November 2017, with a total volume collected of 472,502.33 gallons of rainwater. To have a clearer understanding of the results, consider a 12-month period where precipitation was of 13.79 in, resulting in a capture volume of 436,203 gal. Regarding the contaminants analyses, there was not enough rainwater volume to have a representative sample to be tested. In reference to the vegetation, there was an acceptable surviving index of the planted trees and bushes. The park has not had the need for irrigation, since rainwater does its part. Finally, with the green infrastructure project, the social value of the park increased.
20297	2	2	Decision Making Tool (DMT[G]) for Determining LID Stormwater Detention, Brownsville, Texas	Project Status: Activities for this quarter include: the development of a website for the project; sponsor finalized the QAPP and was approved by EPA; completed the modeling of outcomes and developed the DMT in a friendly format. A presentation was prepared for a binational workshop held on October 2017 in Brownsville, TX. Project extended to conclude by March 2018.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

None to report.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

None

Resolutions to Problems Previously Reported.

None to report.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

Continue with the development of active projects.

Discuss what key personnel did on the project.

Briselda Duarte and Jorge Hernandez coordinated project development activities with EPA and sponsors. Marielena Constandse prepared this report and provided Contract Administration. Javier Torres provided Grant Administration coordination with EPA. Joaquin Marruffo supervised the execution of the project activities.

Discuss any changes in key personnel.

No personnel changes have taken place.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

None to report.

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1

Summary of Quarterly Expenses by Category (Report Period October 1 to December 31, 2017)

Work Plan Tasks	Approved Work Plan Budget	Previously Expended	Expenses this Quarter	Total Cumulative Expenses
Task A- Projects	$ 278,255.00	$184,150	$8,279	$192,428
Task B- Emergency Response	$ 26,290.00	$25,055	$0	$25,055
Indirect Cost	$30,455.00	$20,920	$828	$21,748
TOTAL Cumulative Expenses	**$335,000.00**	**$230,125**	**$9,106**	**$239,231**

TABLE 2			
Budget Categories (programmatic costs only)	**Task A Projects**	**Task B Emergency Response**	**TOTAL Quarterly Expenses**
Personnel	$0	$0	$0
Fringe Benefits	$0	$0	$0
Travel	$0	$0	$0
Equipment	$0	$0	$0
Other (specify)	$8,278.50	$0	$8,278.50
TOTAL Direct Charges	$8,278.50	$0	$8,278.50
Indirect Costs	$827.85	$0	$827.85
TOTAL Cumulative Expenses	$9,106.35	$0	$9,106.35

[1]*EPA defines equipment as items that cost $5,000 or more with a useful life of more than one year. Items costing less than $5,000 are considered supplies.*
[2]*Applicants must comply with the procurement procedures contained in 40 CFR 31.36, or for non-profits, with 40 CFR30.40.*

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** January 30, 2018

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ATTACHMENT "A"

THREE STATE (TX-CHIH-NM) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Goal/ Fund. Stategy	Objective	Project Name	Project Implementer / Contact Information	BECC Contract Officer & Project Manager	Amount Approved / Amount Disbursed	STATUS
1	20298	3	1	**Sewage Sludge and Biosolids Agricultural Soils project in the Valle de Juarez, Chihuahua**	Universidad Autónoma de Cd. Juárez	Jorge Hernandez (PM)	$ 48,510.00 $ 11,743.08	**Project Status:** Activities for this quarter include attending the meetings of District Rural Development Councils convened by SAGARPA to continue the dissemination and activation of the Commission for the Use of Biosolids; support UACJ researchers in the preparation and dissemination of brochures for agricultural producers. Collect and analyze all the information that has been obtained in the activities and support the Project Director in writing the project's final report. The final report will be delivered by March 31, 2018
2	20303	FS	N/A	**Healthy and Resilient Housing in west Ciudad Juarez, Chihuahua**	Federación Mexicana de Asociaciones Privadas de Salud y Desarrollo Comunitario, A.C.	Briselda Duarte (PM)	$ 50,000.00 $ 40,866.98	**Project Status:** Project progress of 98%; ecological technologies completed in 50 homes, manual on energy savings completed as well. Project will be finished on January 2018, waiting on final report and factsheet.
3	20302	FS	N/A	**Green Infrastructure in Public Space on Valle del Sol Avenue, Ciudad Juarez, Chihuahua**	Instituto Tecnológico de Ciudad Juarez	Joaquín Marrufo (PM)	$ 43,204.00 $ 42,231.02	**Project Status:** Project concluded on December 2017. Some of the most relevant outputs and outcomes are: Monitoring of rain water volume occurred during 17 months, from July 2016 to November 2017, with a total volume collected of 472,502.33 gallons of rainwater. To have a clearer understanding of the results, consider a 12-month period, where precipitation was of 13.79 in, resulting in a capture volume of 436,203 gal. Regarding the contaminants analyses, there was not enough rainwater volume to have a representative sample to be tested. In reference to the vegetation, there was an acceptable surviving index of the planted trees and bushes. The park has not had the need for irrigation, since rainwater does its part. Finally, with the green infrastructure project, the social value of the park increased.
						Amount Approved	$ 141,714.00	
						Amount Disbursed	$ 94,841.08	

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Goal/ Fund. Stategy	Objective	Project Name	Project Implementer / Contact Information	BECC Contract Officer & Project Manager	Amount Approved / Amount Disbursed	STATUS
1	20270	4	2	**Hazardous Materials First Responders Binational Training in McAllen, Mission, Pharr, TX and Reynosa, Tamaulipas**	City of McAllen Juan Gloria (956)681-2540 jgloria@mcallen.net	Marielena Constandse (CO) / Briselda Duarte (PM)	$ 25,055.00 $ 25,055.00	**Project Status:** Project concluded on February. Some of the significant project contributions are: - Increase hazmat response skills and capabilities to first responders in McAllen, Mission and Pharr Fire Departments and first responders from northern Mexico. - Equipment will also be used in future binational trainings.
2	20255	3	1	**Comprehensive Solid Waste Management Project in Rio Bravo and Valle Hermoso, Tamaulipas**	Secretaria de Medio Ambiente	Jorge Hernandez (PM)	$ 19,871.16 $ 19,871.16	**Project Status:** The two municipal programs have been completed, and in August 10 and 24 they were presented for approval by the respective city councils. Some of the significant project contributions are: + The generation and waste composition studies allow both communities to know the type and amount of waste generated per inhabitant and could be marketed. The studies also calculate the areas required for the final disposal site according to their generation. + Both programs have been completed, and presented for approval by the respective city councils.
3	20255	3	1	**Interagency coordination for the management of electronic and electrical waste in Ciudad Acuna and Piedras Negras, Coahuila**	Secretaria de Medio Ambiente del Estado de Coahuila de Zaragoza	Jorge Hernandez (PM)	$ 16,898.67 $ 16,898.67	**Project Status:** The project concluded in March 2017. The results of the project are: Collection of 56 tons of electronic waste (25 tons were targeged), which included 3 campaigns of massive collection of e-waste in several municipalities. 36 public and private organizations were trained and supported the campaign. A permanent collection of electronic waste was opened in Ciudad Acuña.

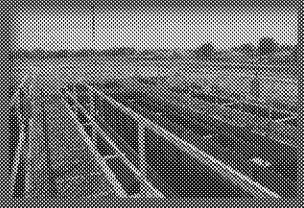
4	20297	4	2	**Binational Tabletop and Functional Exercises between Harlingen, TX and Matamoros, Tamaulipas.**	City of Harlingen Fire Department	Briselda Duarte (PM)	$ 44,692.30 $ 44,692.30	**Project status:** The project concluded in August. Some of the significant project contributions are: -Training of 19 officers and students from Harlingen (2), Mission (2), Brownsville (1) and Matamoros (14). -Harlingen and Matamoros have established the ability to implement standardized response and real time communication in the event of Hazardous Materials incidents. -A foundation for enhanced emergency response and cooperative incident management has been created
5	20297	2	2	**Decision Making Tool (DMT[G])** for Determining LID Stormwater Detention in Bronwsville, Texas	Texas A&M University-Kingsville	Jorge Hernandez (PM)	$ 38,885.00 $ 15,769.89	**Project Status:** Activities for this quarter include: the development of a website for the project; sponsor finalized the QAPP and was approved by EPA; completed the modeling of outcomes and developed the DMT in a friendly format. A presentation was prepared for a binational workshop held on October 2017 in Brownsville, TX. Project extended to conclude by March 2018

Updated December 31, 2017

Amount Approved	$ 145,392.13
Amount Disbursed	$ 122,277.02

Total Approved	$ 287,106.13
Total Disbursed	$ 217,118.10

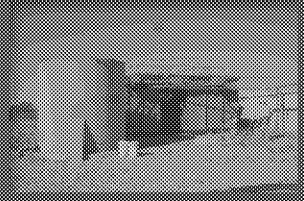
EPA Region 6



QUARTERLY REPORT

October - December 2017

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-01F04901



Submitted by:
Javier Torres, Technical Assistance Manager

Banco de Desarrollo de América del Norte
North American Development Bank

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-01F04901

Grant Period: August 12, 2015 – October 31, 2019

REPORTING PERIOD:

October - December 2017

TO:

Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:

Javier Torres
North American Development Bank
Technical Assistance Manager

January 30, 2018, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-01F04901

Contact:

Primary Contact Name: **Javier Torres**
Organization: North American Development Bank
Telephone & Fax: 01-656-688-4600 Email: jtorres@nadb.org

Reporting Period (please check appropriate period):

- ☐ July 1 – September 30, 2017, Reporting period: report due on October 30, 2017
- ☒ October 1 – December 30, 2017, Reporting period: report due on January 30, 2018
- ☐ January 1 – March 31, 2018, Reporting period: report due on April 30, 2018
- ☐ April 1 – June 30, 2018, Reporting period: report due on July 30, 2018
- ☐ July 1 – September 30, 2018, Reporting period: report due on October 30, 2018
- ☐ October 1 – December 30, 2018, Reporting period: report due on January 30, 2019
- ☐ January 1 – March 31, 2019, Reporting period: report due on April 30, 2019
- ☐ April 1 – June 30, 2019, Reporting period: report due on July 30, 2019
- ☐ July 1 – August 30, 2019, Reporting period: report due on October 30, 2019

Check here if this is the final reporting period under your grant ☐

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

No growth is expected for the projects under-development at this time.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

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GOAL 1. - *Reduce Air Pollution*

Objective 1. - By 2020, in accordance with the NAFTA, promote the reduction of the number of vehicles operating in the border region that do not comply with the respective vehicle emissions' standards and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible reduction measures.

- **Project type 1:** Support the development of vehicle emissions programs in collaboration with governmental entities in order to improve compliance, enhance detection and correction of non-compliance vehicles. In addition, capacity building activities to reduce air pollution, in the border cities or at the Ports of Entry (POE), which may include the enforcement of environmental compliance at the time of used vehicle importation.

Objective 2.- By 2020, reduce pollutant emissions in order to approach attainment of respective national ambient air quality standards (i.e. National Ambient Air Quality Standards (NAAQS) or Norms as they are referred in Mexico) in the El Paso, Texas–Dona Ana County, New Mexico and at State of Chihuahua's border cities' air sheds.

- **Project type 1:** Establish joint collaboration strategies with governmental and/or non-governmental regulatory and planning agencies to identify and implement air pollutant reduction strategies to achieve better air quality in the Paso del Norte region (PdN). Projects should promote, expand, and be consistent with the strategies identified in PROAIREs (Mexico's air shed management plan) or U.S. Clean Air Act (USCAA) State Implementation Plans (SIPs.)

Objective 3. – By 2018, maintain effective Ambient Air Quality Monitoring Network (AAQMN) and provide real-time access to air quality data produced at New Mexico/Texas /Mexico air sheds.

- **Project Type 1:** Initiatives for this objective should aim to ensure the long term sustainability and data quality for the El Paso, Texas – Ciudad Juarez, Chihuahua air quality monitoring network.

Objective 5. - By 2020, reduce emissions and associated impacts through energy efficiency and/or alternative/renewable energy projects.

Possible projects could include: Border-wide training for border stakeholders in instituting and sustaining urban energy efficiency measures; green building training/workshops; forums in which states, localities, non-governmental organizations (NGOs) and industry can share program information and technologies; and energy efficiency co-benefits through reduction of criteria air contaminant emissions (stationary and vehicle sources)

GOAL 2: *Water – Improve Access to Clean and Safe Water*

- **Project type 1:** Efforts under this goal should be targeted to capacity building proposals that incorporate replication strategies, on proper maintenance and/or decommissioning of septic tanks, water conservation and pollution prevention in order to better understand, plan and maintain cleanup sources of drinking water on future groundwater supplies in New Mexico-Texas-Chihuahua border, specifically in Dona Ana County, New Mexico (particularly those communities along the corridor between El Paso, Texas and Las Cruces, New Mexico) and Luna County, New Mexico and El Paso County, Texas.

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Objective 2. - Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.

- **Project type 1:** Conduct energy and/or water audits on small water drinking systems that serve communities with less than a population of 5,000 users, to identify recommendations on how to improve efficiency and provide cost-savings measures for that system.
- **Project type 2:** Outreach and education to improve water quality within the Gulf Task Force Region.

Objective 3. - Work bi-nationally to identify and reduce surface water contamination in Trans - boundary water bodies and watersheds.

Objective 3a. - Develop a binational watershed protection plan in the Lower Rio Grande below Falcon International Dam. Initial activities could include partnership building, watershed characterization, definition of goals/identification of solutions, determination of waste load, load allocations for each country, and development of an implementation plan.

- **Project type 1:** Continue to support activities that meet objective 3a– The proposals should address any water quality sampling and collection, data analysis, modeling and surveys still required by the bi-national workgroup on this project. In addition, the work should also support any additional training or workshops needed, among others, by the Amistad and Falcon Task Force, as well by the Texas-Coahuila-Nuevo Leon –Tamaulipas, Regional Work Group.

GOAL 3: ***Promote Materials Management & Waste Management, & Clean Sites***

Objective 1. - By 2020, increase local and state-level institutional knowledge and experience in the area of sustainable material management practices.

- **Project type 1**: Proposals should be aimed to build capacity and establish strategies to improve infrastructure to minimize waste, maximize collections systems, support secondary materials markets, and reduce overall disposal in landfills and open dumps.

Objective 2. - Identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.

- **Project type 1:** Identify priority waste streams in the municipalities from Four States region and develop sustainable waste management programs for those municipalities to include strengthening the market value of the waste.
- **Project type 2:** Develop sustainable management practices to address used electronics, household hazardous waste, and tires in the Region which will include an educational component to promote recycling and solid waste practices.

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GOAL 4: ***Enhance Joint Preparedness for Environmental Response***

Objective 2. - By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building

- **Project type 1:** Conduct bi-national training to both U.S. and Mexican local emergency responders, on incidents involving Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE), and/or all hazards response skills enabling them to respond safely and effectively to these types of incidences.
- **Project type 2:** Conduct bi-national training to U.S. and Mexican local emergency responders, specifically on HAZMAT incidences only.
- **Project type 3:** Conduct bi-national: 1) tabletop drill with functional drill/exercise or 2) Full Scale Drill/Exercises to test local sister city plans. In order to meet the definition of bi-national, the drills/exercises should go beyond a simple notification to the local sister-city pair and demonstrate actual coordination of resources (expertise, equipment, personnel, etc.) between the sister-cities.
- **Project type 4:** Develop a hazardous materials risk analysis.

GOAL 5. – Enhance ***Compliance Assurance and Environmental Stewardship***

Objective 4. - By 2020, implement at least five (5) binational workshops targeted to environmental enforcement professionals, including ports-of-entry customs professionals (i.e. Department of Homeland Security-Customs and Border Protection), to promote the exchange of information and improve understanding of each Country's respective compliance and enforcement programs and tools, including field studies.

- **Project type 1:** Proposals should consider events for information exchange to improve understanding each Country's respective compliance and enforcement programs and tools including field inspections and case development practices.

Fundamental Strategies

Promoting Environmental Health

- **Project type 1:** Projects presented under this fundamental strategy should increase engagement and participation by the community and stakeholders to better manage the environment and public health issues along the border.

Building Capacity towards Climate Change Resiliency

- **Project type 1**: The Border 2020 climate change efforts should focus on reducing greenhouse gas (GHG) emissions and on actions to help border communities become more resilient to the effects of climate change.

Summary of approved Work Plan activities performed during the reporting quarter.
Projects in progress during reporting period:

Project ID	Goal / Fund. Strategy	Objective	Project Name	Status
20288	1	1	Improvements to Environmental Services in Cattle Ranches via Livestock Grazing, Ascensión, Chihuahua.	Project Status: Air and soil sampling was scheduled for completion; the project will be finished by January 2018.
20293	5	4	Legislative Reform and Environmental Education, Nuevo Laredo, Tamaulipas.	Project Status: Project concluded.
20286	3	2	Comprehensive E-Waste Management in Piedras Negras, Coahuila and Eagle Pass, Texas.	Project Status: Project concluded.
20290	2	3	The Rio Grande/Río Bravo Water Quality Initiative, Laredo, Texas.	Project Status: CILA requested a new facilitator to join the team; as a result, focus group meetings will likely occur in February. A project extension request was approved; completion date is June 2018.
20291	2	2	Fat, Oil and Grease (FOG) Public Outreach Campaign, Brownsville, Texas.	Project Status: Project concluded.
20294	3	1	Let's Clean it Up and Green it Up, Pharr, Texas	Project Status: Project concluded.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

There are no performance outputs and outcome to report at the project level.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

No problems have been reported.

Resolutions to Problems Previously Reported.

No problems have been reported.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

- Coordinate with the sponsors the implementation of the active projects in accordance with the approved workplans.

- Nine projects were preselected for implementation and funding for this grant. Activities for the next three months include coordinating with the sponsors the implementation of the projects in accordance with the approved workplans.

- Five projects were preselected for Three State Region under this grant:
    1. Climate and Air Quality Network UACJ, Ciudad Juarez, CHIH.
    2. Reduction of Emissions Through Collective Transportation Infrastructure, Ciudad Juarez, CHIH / El Paso, TX.
    3. Safe Drinking Water for US/Mexico border Colonias, El Paso, TX and Ciudad Juarez, CHIH.
    4. RESET 17: Innovation for the Future, El Paso, TX and Ciudad Juarez, CHIH.
    5. Green Infrastructure in the Paso del Norte Region: Seminar, Implementation Guide, Ciudad Juarez, CHIH.

- Four projects were preselected for Four States Region under this grant:
    1. Strategy for Reduction and Prevention of Disasters in Ciudad Acuña, COAH and Del Río, TX.
    2. Mitigating Localized Flooding - Development of a Green Infrastructure Master Plan, Mercedes, TX.
    3. Agrochemicals and their Risks to Health and the Environment, Frontera de Tamaulipas
    4. Transforming Urban Compacted Land into Infiltration Field, Edinburg, TX

Discuss what key personnel did on the project.

Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Briselda Duarte, and Jorge Hernandez manage the implementation of the projects in close coordination with EPA. Marielena Constandse prepared this report. Marielena Constandse, Abril Quiroz and Javier Torres provided RFP coordination and Grant Administration.

Discuss any changes in key personnel.

There are no changes to report.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

N/A

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant

agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1				
Summary of Quarterly Expenses by Category (Report Period October 1 to December 31, 2017)				
Work Plan Tasks	**Approved Work Plan Budget**	**Previously Expended**	**Expenses this Quarter**	**Total Cumulative Expenses**
Task A - RFP	$66,234	$78,385.46	$16,204	$94,589
Task B - Projects	$600,584	$129,795.82	$22,556	$152,352
Task C - Logistics	$65,000	$0	$0	$0
Indirect Cost	$73,182	$20,818.14	$3,876	$24,694
TOTAL Cumulative Expenses	**$805,000**	**$228,999**	**$42,636**	**$271,636**

TABLE 2				
Budget Categories (programmatic costs only)	**Task A- RFP**	**Task B- Projects**	**Task C- Logistical Support**	**TOTAL Quarterly Expenses**
Personnel	$14,831.25	$0	$0	$14,831.25
Fringe Benefits	$1,372.56	$0	$0	$1,372.56
Travel	$0	$0	$0	$0
Contractual	$0	$0	$0	$0
Other (specify)	$0	$22,556.28	$0	$22,556.28
TOTAL Direct Charges	$16,203.81	$22,556.28	$0	$38,760.09
Indirect Costs	$1,620.38	$2,255.63	$0	$3,876.01
TOTAL Cumulative Expenses	$17,824.19	$24,811.91	$0	$42,636.10

[1]EPA defines equipment as items that cost $5,000 or more with a useful life of more than one year. Items costing less than $5,000 are considered supplies.
[2]Applicants must comply with the procurement procedures contained in 40 CFR 31.36, or for non-profits, with 40 CFR30.40.

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** January 30, 2018

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ATTACHMENT "A"

THREE STATE (TX-CHIH-NM) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20288	**Improvements to Environmental Services in Cattle Ranches via Livestock Grazing, Ascensión, Chihuahua.**	Universidad Autónoma de Chihuahua – Facultad de Zootecnia y Ecología	Ascension, Chih.	Briselda Duarte (PM)	7/15/2016	$ 41,388.00	**Project Status:** Air and soil sampling was scheduled for completion; the project will be finished by January 2018.
						7/31/2017	$ 23,031.84	

Amount Approved	$	41,388.00
Amount Disbursed	$	23,031.84

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20283	**Energy Efficiency Workshop for Public Lighting Systems, Reynosa, Tamaulipas.**	Secretaria de Desarrollo Urbano y Medio Ambiente	Reynosa, Tamps.	Briselda Duarte (PM)	2/22/2016 5/2/2016	$ 9,330.33 $ 9,330.33	Project Status: Concluded on August 2016. Technical training provided to 30 technical officials from the municipalities of Nuevo Laredo, Guerrero, Mier, Miguel Aleman, Camargo, Diaz Ordaz, Reynosa, Rio Bravo, Valle Hermoso and Matamoros, Tamaulipas. Thirty (30) energy efficiency guidelines including maintenance recommendations to reduce Kwh electrical consumption were revised.
2	20293	**Legislative Reform and Environmental Education, Nuevo Laredo, Tamaulipas.**	Universidad Autónoma de Tamaulipas en Nuevo Laredo	Nuevo Laredo, Tamps.	Briselda Duarte (PM)	5/26/2016 5/2/2017	$ 11,000.00 $ 9,078.04	Project Status: Project Status: Work Plan activities were completed. Nuevo Laredo upgraded its municipal code. More than 2000 students and 20 inspectors informed.
3	20295	**Comprehensive E-Waste Management in Piedras Negras, Coahuila and Eagle Pass, Texas.**	Grupo Ecológico Green Tec-Osos del Instituto Tecnológico de Piedras Negras	Piedras Negras, Coahuila and Eagle Pass, Texas	Jorge Hernandez (PM)	1/21/2016 7/18/2017	$ 35,054.00 $ 25,270.21	Project Status: Project concluded on August 2017. Some of the project significant contributions are: 47 tons of e-waste collected in Piedras Negras and 15 tons in Eagle Pass. 40,000 inhabitants were visited in 22 colonias in Piedras Negras. A workshop was conducted at ITPN for 55 Green TEC associates. A health and environment conference was held to promote the e-waste recycling. The main promotion of the project was a walk performed in March 2016 with more than 1200 participants. A permanent collection center was established in the public works department at Piedras Negras.
4	20290	**The Rio Grande/Rio Bravo Water Quality Initiative, Laredo Texas**	The University of Texas at Austin	Laredo, TX.	Briselda Duarte (PM)	2/22/2016 8/31/2017	**$58,575.00** **$ 30,260.16**	**Project Status:** CILA requested a new facilitator to join the team; as a result, focus group meetings will likely occur in February. A project extension request was approved; completion date is June 2018.
		Fat, Oil and Grease (FOG) Public			Briselda Duarte	2/22/2016	**$21,471.05**	**Project Status:** Project concluded on May 2017. Some of the project significant contributions are: -12.58% reduction in service calls received by BPUB

5	20291	**Outreach Campaign, Brownsville, Texas**	Brownsville Public Utilities Board	Brownsville, TX	(PM)	2/2/2017	$ 21,471.05	related to fats, oil and grease issues • 84 public outreach and trainings • 1713 participating residents and business owners.
6	20292	**Awareness and Discharge Control Rules**	Junta de Agua y Drenaje de la Ciudad de Matamoros	Matamoros Tamps	Brenda Duarte (PM)	TBD TBD	$25,000.00	**Project Status:** Cancelled due to an unacceptable legal framework to implement the wastewater municipal code. It was suggested to reapply for funding in the next RFP, once the municipal program is legally approved.
7	20294	**Let's Clean It Up and Green It Up, Pharr, Texas**	City of Pharr, Recycling Center	Pharr, TX	Jorge Hernandez (PM)	2/22/2016 4/2/2017	$ 33,910.47 $ 33,910.47	**Project Status:** Project concluded on May 2017. Some of the project significant contributions are: The city of Pharr participated on over 100 occasions where environmental education was discussed. More than 20 meetings, 40 events and about 50 presentations were given to students and/or residents on environmental issues. During the 14-month period of the project implementation, over 20,000 used tires were collected. The project included the 96-gallon recycling containers for advertising purposes.

Updated December 31, 2017

Amount Approved	$	195,340.85
Amount Disbursed	$	129,320.26

Total Approved	$	236,728.85
Total Disbursed	$	152,352.10

THREE STATE (TX-CHIH-NM) BORDER 2020 - 2017 PROJECTS

No.	Project ID	Goal	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1		1	**Climate and air quality network UACJ, Ciudad Juarez, CHIH.**	Universidad Autónoma de Ciudad Juárez Víctor Hernández Jacobo vihernan@uacj.mx	Ciudad Juarez, CHIH.	JH/AQ		$ 29,400.00	**Project Status:**
2		1	**Reduction of Emissions Through Collective Transportation Infrastructure, Ciudad Juarez, CHIH / El Paso TX.**	IMIP Juárez Álvaro Roberto Manuel Mora Palacios/ Alberto Nicolás López Duarte nlopez@imip.org.mx imip@imip.org.mx	Ciudad Juarez, CHIH / El Paso TX	JH/AQ		$ 61,220.00	**Project Status:**
3		2	**Safe drinking water for US/Mexico border Colonias, El Paso TX and Ciudad Juarez CHIH.**	UTEP Ivonne Santiago isantiago@utep.edu	El Paso TX and Ciudad Juarez CHIH.	BD/AQ		$ 79,636.00	**Project Status:**
4		2	**RESET 17: Innovation for the Future, El Paso, TX and Ciudad Juarez, CHIH.**	Fundación AXCEL A.C. Nancy Estrada nancy@funax.org	El Paso, TX and Ciudad Juarez, CHIH.	BD/AQ		$ 29,444.44	**Project Status:**
5		GI	**Green infrastructure in the Paso del Norte Region: Seminar, Implementation Guide, Ciudad Juarez, CHIH.**	Secretaría Técnica del Municipio de Juárez Alejandro César Loaeza Canizales Alejandro.loaeza@juarez.gob.mx aleloaeza2011@hotmail.com	Ciudad Juarez, CHIH.	JM/AQ		$ 31,000.00	**Project Status:**

Amount Approved	$ 230,700.44
Amount Disbursed	$ -

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2020 - 2017 PROJECTS

No.	Project ID	Goal / Fund. Strategy	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1		2	**Strategy for Reduction and Prevention of Disasters in Ciudad Acuña, COAH and Del Río, TX.**	Universidad Carolina Cecilia Pelletier Bravo pelletier.cecilia@gmail.com y/o esteban.fish@gmail.com	Ciudad Acuña, COAH and Del Río, TX.	BD/AQ		$ 26,035.00	**Project Status:**
2		2	**Mitigating Localized Flooding - Development of a Green Infrastructure Master Plan, Mercedes, TX.**	City of Mercedes Daniel Tijerina dtijerina@cityofmercedes.com	Mercedes, TX.	JH/AQ		**$30,000.00**	**Project Status:**
3		FS	**Agrochemicals and Their Risks to Health and the Environment, Tamaulipas Border area**	Secretaría de Desarrollo Urbano y Medio Ambiente Celestino Alanís Leal celestino.alanis@tamaulipas.gob.mx	Tamaulipas Border	SV/AQ		**$21,946.00**	**Project Status:**
4		GI	**Transforming Urban Compacted Land into Infiltration Field, Edinburg, TX**	The University of Texas Rio Grande Valley Andrew Lawler sponpro@utrgv.edu	Edinburg, TX	SV/AQ		**$58,925.00**	**Project Status:**

Updated December 31, 2017

Amount Approved	$	136,906.00
Amount Disbursed	$	-

Total Approved	$	367,606.44
Total Disbursed	$	-

PRIORITY AREA	NO.	NAME OF THE PROJECT
1	20288	**Environmental services in well-managed rangelands of the Chihuahuan Desert**
3	20298	**Sewage sludge and biosolids Agricultural Soils project in the Valle de Juarez**
2	20302	**Green Infrastructure in Public Space on Valle del Sol Avenue**
2	20303	**Sustainable and resilient housing in Ciudad Juárez, Chihuahua**

3	20286	**Comprehensive management of electronic waste project in Piedras Negras and Eagle Pass, Texas**
2	20290	**The Rio Grande/Río Bravo Water Quality Initiative**
2	20291	**Fat, Oil and Grease (FOG) Public Outreach Campaign**
5	20293	**Law Reform and Environmental Education in Nuevo Laredo**

3	20294	**Clean in up program at City of Pharr, Texas**
4	20295	**Electronic Waste Management project in Ciudad Acuna, Piedras Negras and Guerrero in Coahuila**
2	20297	**Decision Making Tool (DMTG) for Stormwater in The lower Rio Grande Valley in Texas**

DESCRIPTION

The Universidad Autonoma de Chihuahua, proposes to advance on Goal 1, objective 1 by the implementation of a sustainable solution to mitigate dust control in the areas of Ascension and Palomas in Chihuahua. The proposed solution is to implement a planned pasturage process to grow grassland. Project will implement a baseline monitoring system and training on recovery practices of 68,000 has.

The project consists in establish a sustainable program that allows the proper disposal of biosolids on agricultural soils in the region.

Using green infrastructure techniques establish passive rainwater harvesting systems on a community park in the intersection of Avenue Valle del Sol and Solares street, in Cd. Juarez Chihuahua.

Identifying and including green building and infrastructure elements for progressive home building projects in low-income communities of the western area of Ciudad Juarez, The project will seek to identify and include technical assistance services to advance innovative mechanisms, tools, and products (technologies) for building resiliency in housing units. Additionally, t

The project consists of a program of environmental education and health to join efforts in collecting electrical and electronic solid waste in the city of Piedras Negras, Coahuila e Eagle Pass in Texas.
The University of Texas at Austin (UT), proposes to advance on Goal 2, Objective 3 by providing information to local binational stakeholders, about sources of water pollution to the Rio Grande and by gathering information from key stakeholders about potential local solutions to the river's water quality problems in the portion of the river between Falcon Dam and the Gulf of Mexico. The project proposes to organize 5 workshops and develop MOU among stakeholders.
The Brownsville Public Utilities Board, a government entity, proposes to advance on Goal 2, Objective 2 by implementing a public FOG campaign, targeting businesses with violations and reaching out to them. It will also provide education through community outreach and public awareness through 4 quarterly workshops. The grant will help leverage funds of $49,561 from the City.
The Universidad Autónoma de Tamaulipas, proposes to advance on Goals 2, 3 and 5 by improving the implementation of environmental legislation, strengthen the environmental cooperation and exchange of information between Nuevo Laredo, Tamaulipas and Laredo, Texas, and train environmental inspectors and staff of the municipal environmental unit. The grant will help leverage funds with $5,500 from Universidad Autónoma of Tamaulipas.

The project consists in educate City of Pharr residents on environmental sustainability and related proper solid waste disposal methods.
Inform and educate residents about the benefits of reusing electronics; the need to practice responsible consumption, as well as the importance of giving an appropriate final destination for these wastes
The project will promote specific research and educational topics emphasizing how green infrastructure strategies can be utilized to mitigate stormwater runoff.

20 RFP PROPOSALS FINAL SELECTION

SPONSOR		
Universidad Autónoma de Chihuahua – Facultad de Zootecnia y Ecología	Gerardo Bezanilla	gbezanilla@hotmail.com
Universidad Autónoma de Cd. Juárez	Dr. Juan Pedro Flores	juflores@uacj.mx
Instituto Tecnológico de Ciudad Juárez	Diego Sandoval	clasesitcj@gmail.com
Federación Mexicana de Asociaciones Privadas de Salud y Desarrollo Comunitario, A.C.	José Luis Escanero Zamora	escanero@femap.org.mx

Grupo Ecológico Green Tec-Osos del Instituto Tecnológico de Piedras Negra	Ing Victor Manuel Ibarra	ing_victor_m@prodigy.net.mx
The University of Texas at Austin	Jungseok Ho	eaton@austin.utexas.edu
Brownsville Public Utilities Board	David R. Abrego, Jr.	Grangel@brownsville-pub.com
Universidad Autónoma de Tamaulipas en Nuevo Laredo.	Juan Antonio Herrera	derechointernacional@hotmail.com

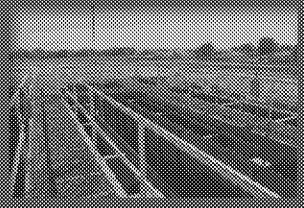
City of Pharr, Recycling Center	Crystal Medina	crystal.medina@pharr-tx.gov
Secretaría de Medio Ambiente del Estado de Coahuila de Zaragoza	Olga Rumayor	olga.rumayor@sema.gob.mx
Texas A&M University-Kingsville	Kim Jones	Kim.Jones@tamuk.edu

REGION	AMOUNT REQUESTED	Notes
R6 NM - TX - CHIH	$ 41,388.00	Ranches in US and Mex have been identified, a weather station has been installed in all nine ranches. 6- 50 mt transects, on each of the nine ranches were set and its basal cover registered (vegetation, rocks, litter, or bare soil at the ground level). Training for ranchers has continued, already had four meetings, next meeting will be in July.
R6 NM - TX - CHIH	$ 48,510.00	Activities for last quarter: Attended the meetings of District Rural Development Councils convened by SAGARPA to continue the dissemination and activation of the Commission for the use of biosolids; workshop for government officials was held with the participation of 31 representatives. A publication made by Dr. Flores in Norte newspaper with project advances. Farmers of Valle de Juarez attended tours for The WWTP to show the process of biosolids. Field mineralization experiments were done to determine heavy metals in wheat grain and soils
R6 NM - TX - CHIH	$ 43,204.00	The Quality Assurance Project Plan (QAPP) was developed and submited to BECC and EPA for approval. With the approval of the QAPP, rain water samples can start to be collected and analyzed.
R6 NM - TX - CHIH	$ 50,000.00	During this period, a series of visits to the selected homes was carried out by FEMAP´s personnel and students of the school of architecture from the local university. The purpose of these visits was to identify the home owner living routine, knowledge of eco-technologies, and energy consumption patterns.

R6 TX- NL - COAH - TAMPS	$ 36,054.00	Activities during last period include: To date more than 53 tons of e-waste have been collected. The group green TEC Osos through a mobile container, continue to collect e-waste in Piedras Negras.The design for e-waste collection campaign for the city of Eagle Pass has been completed, recollection of e-waste during the months of January thtough June was held during Fridays and Saturdays. Educational campaign to school districts in Eagle Pass began on March.
R6 TX- NL - COAH - TAMPS	$ 58,575.00	Extension requested until December 2017, planning phase of workshops is in progress, as well as the application of surveys, both activities will be carried out during July-August.
R6 TX- NL - COAH - TAMPS	$ 25,000.00	Project concluded on May 2017. Some of the results are: • 12.58% reduction in service calls received by BPUB related to fats, oil and grease issues • 84 public outreach and trainings • 1713 participating residents and business owners.
R6 TX- NL - COAH - TAMPS	$ 11,000.00	Project was extended until September 2017, 90% complete, municipal codes in 3 border sites in Tamaulipas have been done. Workshops completed.

R6 TX- NL - COAH - TAMPS	$ 36,390.00	Project concluded on May 2017. Some of the project significant contributions are: The City of Pharr could participate in over 100 occasions where environmental education was discussed. More than 20 meetings, 40 events and about 50 presentations were given to students and/or residents on environmental issues. During the 14 months period of the project´s implementation, over 20,000 used tires were collected. The project included the 96-gallon recycling containers for advertising purposes.
R6 TX- NL - COAH - TAMPS	$ 16,777.20	The project concluded in March 2017. The results of the project are: Collection of 56 tons of electronic waste (25 tons were targegted), which included 3 campaigns of massive collection of e-waste in several municipalities. 38 public and private organizations were trained and supported the campaign. A permanent collection of electronic waste was opened in Ciudad Acuña.
R6 TX- NL - COAH - TAMPS	$ 38,885.00	Activities for this quarter include: A modeling QAPP targeting the WinSLAMM surface load allocation model was developed and submitted for EPA and BECC´s approval. A presentation was prepared and delivered to stakeholders at the 17th Annual Lower Rio Grande Valley Water Quality Management Conference at South Padre Island on May 26. Workshop Venues being planned: June 2017 – Weslaco, TX July 2017 – Mission, TX. Project extended to conclude by December 2017.
	$ 405,783.20	

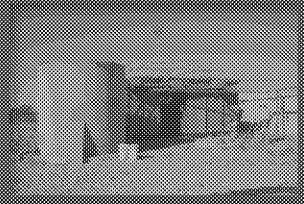
EPA Region 6



QUARTERLY REPORT

April – June 2018

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-00F92501



Submitted by:
Javier Torres, Technical Assistance Manager

Banco de Desarrollo de América del Norte
North American Development Bank

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-00F92501

Grant Period: Sep. 17, 2004 – Aug. 31, 2019

REPORTING PERIOD:

April – June 2018

TO:

Monica Randall
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:

Javier Torres
North American Development Bank
Technical Assistance Manager

July 30, 2018, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-00F92501

Contact:

Primary Contact Name: **Javier Torres**
Organization: North American Development Bank
Telephone & Fax: 01-656-688-4600 Email: jtorres@nadb.org

Reporting Period (please check appropriate period):

- ☐ July 1 – September 30, 2017, Reporting period: report due on October 30, 2017
- ☐ October 1 – December 31, 2017, Reporting period: report due on January 30, 2018
- ☐ January 1 – March 31, 2018, Reporting period: report due on April 30, 2018
- ☒ April 1 – June 30, 2018, Reporting period: report due on July 30, 2018
- ☐ July 1 – September 30, 2018, Reporting period: report due on October 30, 2018
- ☐ October 1 – December 31, 2018, Reporting period: report due on January 30, 2019
- ☐ January 1 – March 31, 2019, Reporting period: report due on April 30, 2019
- ☐ April 1 – June 30, 2019, Reporting period: report due on July 30, 2019
- ☐ July 1 – August 30, 2019, Reporting period: report due on September 30, 2019

Check here if this is the final reporting period under your grant ☐

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

None to report.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

GOAL 1. - *Reduce Air Pollution*

Objective 1. - By 2020, in accordance with the NAFTA, promote the reduction of the number of vehicles operating in the border region that do not comply with the respective vehicle emissions' standards and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible reduction measures.

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- **Project type 1:** Support the development of vehicle emissions programs in collaboration with governmental entities in order to improve compliance, enhance detection and correction of non-compliance vehicles. In addition, capacity building activities to reduce air pollution, in the border cities or at the Ports of Entry (POE), which may include the enforcement of environmental compliance at the time of used vehicle importation.

Objective 2.- By 2020, reduce pollutant emissions in order to approach attainment of respective national ambient air quality standards (i.e. National Ambient Air Quality Standards (NAAQS) or Norms as they are referred in Mexico) in the El Paso, Texas–Dona Ana County, New Mexico and at State of Chihuahua's border cities' air sheds.

- **Project type 1:** Establish joint collaboration strategies with governmental and/or non-governmental regulatory and planning agencies to identify and implement air pollutant reduction strategies to achieve better air quality in the Paso del Norte region (PdN). Projects should promote, expand, and be consistent with the strategies identified in PROAIREs (Mexico's air shed management plan) or U.S. Clean Air Act (USCAA) State Implementation Plans (SIPs.)

Objective 3. – By 2018, maintain effective Ambient Air Quality Monitoring Network (AAQMN) and provide real-time access to air quality data produced at New Mexico/Texas /Mexico air sheds.

- **Project Type 1:** Initiatives for this objective should aim to ensure the long term sustainability and data quality for the El Paso, Texas – Ciudad Juarez, Chihuahua air quality monitoring network.

GOAL 2: ***Water – Improve Access to Clean and Safe Water***

- **Project type 1:** Efforts under this goal should be targeted to capacity building proposals that incorporate replication strategies, on proper maintenance and/or decommissioning of septic tanks, water conservation and pollution prevention in order to better understand, plan and maintain cleanup sources of drinking water on future groundwater supplies in New Mexico-Texas-Chihuahua border, specifically in Dona Ana County, New Mexico (particularly those communities along the corridor between El Paso, Texas and Las Cruces, New Mexico) and Luna County, New Mexico and El Paso County, Texas.

Objective 2. - Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.

- **Project type 1:** Conduct energy and/or water audits on small water drinking systems that serve communities with less than a population of 5,000 users, to identify recommendations on how to improve efficiency and provide cost-savings measures for that system.
- **Project type 2:** Outreach and education to improve water quality within the Gulf Task Force Region.

Objective 3. - Work bi-nationally to identify and reduce surface water contamination in Trans - boundary water bodies and watersheds.

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Objective 3a. - Develop a binational watershed protection plan in the Lower Rio Grande below Falcon International Dam. Initial activities could include partnership building, watershed characterization, definition of goals/identification of solutions, determination of waste load, load allocations for each country, and development of an implementation plan.

- **Project type 1:** Continue to support activities that meet objective 3a– The proposals should address any water quality sampling and collection, data analysis, modeling and surveys still required by the bi-national workgroup on this project. In addition, the work should also support any additional training or workshops needed, among others, by the Amistad and Falcon Task Force, as well by the Texas-Coahuila-Nuevo Leon –Tamaulipas, Regional Work Group.

GOAL 3: ***Promote Materials Management & Waste Management, & Clean Sites***

Objective 1. - By 2020, increase local and state-level institutional knowledge and experience in the area of sustainable material management practices.

- **Project type 1**: Proposals should be aimed to build capacity and establish strategies to improve infrastructure to minimize waste, maximize collections systems, support secondary materials markets, and reduce overall disposal in landfills and open dumps.

Objective 2. - Identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.

- **Project type 1:** Identify priority waste streams in the municipalities from Four States region and develop sustainable waste management programs for those municipalities to include strengthening the market value of the waste.
- **Project type 2:** Develop sustainable management practices to address used electronics, household hazardous waste, and tires in the Region which will include an educational component to promote recycling and solid waste practices.

GOAL 4: ***Enhance Joint Preparedness for Environmental Response***

Objective 2. - By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building

- **Project type 1:** Conduct bi-national training to both U.S. and Mexican local emergency responders, on incidents involving Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE), and/or all hazards response skills enabling them to respond safely and effectively to these types of incidences.
- **Project type 2:** Conduct bi-national training to U.S. and Mexican local emergency responders, specifically on HAZMAT incidences only.
- **Project type 3:** Conduct bi-national: 1) tabletop drill with functional drill/exercise or 2) Full Scale Drill/Exercises to test local sister city plans. In order to meet the definition of bi-national, the drills/exercises should go beyond a simple notification to the local sister-city pair and demonstrate actual coordination of resources (expertise, equipment, personnel, etc.) between the sister-cities.
- **Project type 4:** Develop a hazardous materials risk analysis.

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GOAL 5. – Enhance *Compliance Assurance and Environmental Stewardship*

Objective 4. - By 2020, implement at least five (5) binational workshops targeted to environmental enforcement professionals, including ports-of-entry customs professionals (i.e. Department of Homeland Security-Customs and Border Protection), to promote the exchange of information and improve understanding of each Country's respective compliance and enforcement programs and tools, including field studies.

- **Project type 1:** Proposals should consider events for information exchange to improve understanding each Country's respective compliance and enforcement programs and tools including field inspections and case development practices.

Fundamental Strategies

Promoting Environmental Health

- **Project type 1:** Projects presented under this fundamental strategy should increase engagement and participation by the community and stakeholders to better manage the environment and public health issues along the border.

Building Capacity towards Climate Change Resiliency

- **Project type 1**: The Border 2020 climate change efforts should focus on reducing greenhouse gas (GHG) emissions and on actions to help border communities become more resilient to the effects of climate change.

Summary of approved Work Plan activities performed during the reporting quarter.

Projects in progress during reporting period:

Project ID	Goal	Objective	Project Name	Status
20298	3	1	Sewage Sludge and Biosolids Agricultural Soils Project in the Valle de Juarez, Chihuahua	Project Status: Project is concluded. Main results include the implementation of 18 courses-training workshops with a total attendance of 410 people, including farmers, technicians, officials, students and the public in general. These courses were carried out with 12 informative drop-down publications and seven papers on the topics related to the importance of biosolids for the agriculture.
20297	2	2	Decision Making Tool (DMT[G]) for Determining LID Stormwater Detention, Brownsville, Texas	Project Status: Activities for this quarter include: The modeling runs for the Tool were done and the DMT has been finalized and rolled out through past workshops, for this reason, a project no-cost extension was authorized and approved until July 31, 2018.

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	20303	FS	N/A	Healthy and Resilient Housing in west Ciudad Juarez, Chihuahua	Project Status: Project completed March 2018. Preparation of a regional catalog with 32 eco-technologies. Technical and Financial Assistance customized for each of the 50 homes in the implementation and technical support and supervision of green catalog and construction elements. Quantitative results: 529m3 water saved per month, impermeabilization of 34 homes, 16 windows, 200 people benefitted

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

None to report.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

None

Resolutions to Problems Previously Reported.

None to report.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

Continue with the development of active projects.

Discuss what key personnel did on the project.

Briselda Duarte and Jorge Hernandez coordinated project development activities with EPA and sponsors. Marielena Constandse prepared this report and provided Contract Administration. Javier Torres provided Grant Administration coordination with EPA. Joaquin Marruffo supervised the execution of the project activities.

Discuss any changes in key personnel.

No personnel changes have taken place.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

None to report.

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant

agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1

Summary of Quarterly Expenses by Category (Report Period April 1 to June 30, 2018)

Work Plan Tasks	Approved Work Plan Budget	Previously Expended	Expenses this Quarter	Total Cumulative Expenses
Task A- Projects	$ 278,255.00	$198,667	$34,672	$233,339
Task B- Emergency Response	$ 26,290.00	$25,055	$0	$25,055
Indirect Cost	$30,455.00	$22,372	$3,467	$25,839
TOTAL Cumulative Expenses	**$335,000.00**	**$246,094**	**$38,139**	**$284,233**

TABLE 2

Budget Categories (programmatic costs only)	Task A Projects	Task B Emergency Response	TOTAL Quarterly Expenses
Personnel	$0	$0	$0
Fringe Benefits	$0	$0	$0
Travel	$0	$0	$0
Equipment	$0	$0	$34,671.52
Other (specify)	$34,671.52	$0	$34,671.52
TOTAL Direct Charges	$34,671.52	$0	$3,467.15
Indirect Costs	$3,467.15	$0	$38,138.67
TOTAL Cumulative Expenses	$38,138.67	$0	$34,671.52

[1]EPA defines equipment as items that cost $5,000 or more with a useful life of more than one year. Items costing less than $5,000 are considered supplies.
[2]Applicants must comply with the procurement procedures contained in 40 CFR 31.36, or for non-profits, with 40 CFR30.40.

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** July 30, 2018

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

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ATTACHMENT "A"

THREE STATE (TX-CHIH-NM) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Goal/ Fund. Stategy	Objective	Project Name	Project Implementer / Contact Information	BECC Contract Officer & Project Manager	Amount Approved / Amount Disbursed	STATUS
1	20298	3	1	**Sewage Sludge and Biosolids Agricultural Soils project in the Valle de Juarez, Chihuahua**	Universidad Autónoma de Cd. Juárez	Jorge Hernandez (PM)	$ 44,136.56 $ 44,136.56	**Project Status:** Project is concluded. Main results include the implementation of 18 courses-training workshops with a total attendance of 410 people, including farmers, technicians, officials, students and the public in general. These courses were carried out with 12 informative drop-down publications and seven papers on the topics related to the importance of biosolids for the agriculture.
2	20303	FS	N/A	**Healthy and Resilient Housing in west Ciudad Juarez, Chihuahua**	Federación Mexicana de Asociaciones Privadas de Salud y Desarrollo Comunitario, A.C.	Briselda Duarte (PM)	$ 47,106.10 $ 47,106.10	**Project Status:** Project completed March 2018. Preparation of a regional catalog with 32 eco-technologies. Technical and Financial Assistance customized for each of the 50 homes in the implementation and technical support and supervision of green catalog and construction elements. Quantitative results. 529m3 water saved per month, impermeabilization of 34 homes, 18 windows, 200 people benefitted
3	20302	FS	N/A	**Green Infrastructure in Public Space on Valle del Sol Avenue, Ciudad Juarez, Chihuahua**	Instituto Tecnológico de Ciudad Juárez	Joaquín Marrufo (PM)	$ 42,231.02 $ 42,231.02	**Project Status:** Project concluded on December 2017. Some of the most relevant outputs and outcomes are: Monitoring of rain water volume occurred during 17 months, from July 2016 to November 2017, with a total volume collected of 472,502.33 gallons of rainwater. To have a clearer understanding of the results, consider a 12-month period, where precipitation was of 13.79 in, resulting in a capture volume of 436,203 gal. Regarding the contaminants analyses, there was not enough rainwater volume to have a representative sample to be tested. In reference to the vegetation, there was an acceptable surviving index of the planted trees and bushes. The park has not had the need for irrigation, since rainwater does its part. Finally, with the green infrastructure project, the social value of the park increased
						Amount Approved	$ 133,473.68	
						Amount Disbursed	$ 133,473.68	

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Goal/ Fund. Stategy	Objective	Project Name	Project Implementer / Contact Information	BECC Contract Officer & Project Manager	Amount Approved / Amount Disbursed	STATUS
1	20270	4	2	**Hazardous Materials First Responders Binational Training in McAllen, Mission, Pharr, TX and Reynosa, Tamaulipas**	City of McAllen Juan Gloria (956)681-2540 jgloria@mcallen.net	Marielena Constandse (CO) / Briselda Duarte (PM)	$ 25,055.00 $ 25,055.00	**Project Status:** Project concluded on February. Some of the significant project contributions are: - Increase hazmat response skills and capabilities to first responders in McAllen, Mission and Pharr Fire Departments and first responders from northern Mexico. - Equipment will also be used in future binational trainings.
2	20285	3	1	**Comprehensive Solid Waste Management Project in Rio Bravo and Valle Hermoso, Tamaulipas**	Secretaria de Medio Ambiente	Jorge Hernandez (PM)	$ 19,871.16 $ 19,871.16	**Project Status:** The two municipal programs have been completed, and in August 10 and 24 they were presented for approval by the respective city councils. Some of the significant project contributions are: - The generation and waste composition studies allow both communities to know the type and amount of waste generated per inhabitant and could be marketed. The studies also calculate the areas required for the final disposal site according to their generation. - Both programs have been completed, and presented for approval by the respective city councils
3	20295	3	1	**Interagency coordination for the management of electronic and electrical waste in Ciudad Acuña and Piedras Negras, Coahuila**	Secretaría de Medio Ambiente del Estado de Coahuila de Zaragoza	Jorge Hernandez (PM)	$ 16,898.67 $ 16,898.67	**Project Status:** The project concluded in March 2017. The results of the project are. Collection of 56 tons of electronic waste (25 tons were targegted), which included 3 campaigns of massive collection of e-waste in several municipalities. 38 public and private organizations were trained and supported the campaign. A permanent collection of electronic waste was opened in Ciudad Acuña.

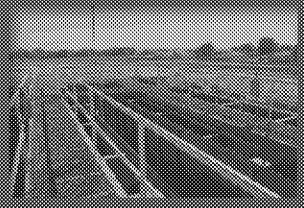
4	20297	4	2	**Binational Tabletop and Functional Exercises between Harlingen, TX and Matamoros, Tamaulipas.**	City of Harlingen Fire Department	Briselda Duarte (PM)	$ 44,692.30 $ 44,692.30	**Project status:** The project concluded in August. Some of the significant project contributions are: -Training of 19 officers and students from Harlingen (2), Mission (2), Brownsville (1) and Matamoros (14). -Harlingen and Matamoros have established the ability to implement standardized response and real time communication in the event of Hazardous Materials incidents. -A foundation for enhanced emergency response and cooperative incident management has been created
5	20297	2	2	**Decision Making Tool (DMT[G])** for Determining LID Stormwater Detention in Bronwsville, Texas	Texas A&M University-Kingsville	Jorge Hernandez (PM)	$ 38,885.00 $ 16,926.81	**Project Status:** Activities for this quarter include: The modeling runs for the Tool were done and the DMT has been finalized and rolled out through past workshops, for this reason, a project no-cost extension was authorized and approved until July 31, 2018.

Updated June 30, 2018

Amount Approved	$ 145,392.13
Amount Disbursed	$ 123,433.94

Total Approved	$ 278,865.81
Total Disbursed	$ 256,907.62

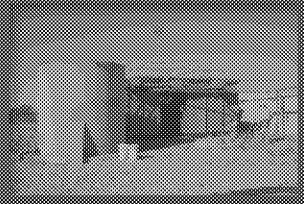
EPA Region 6



QUARTERLY REPORT

April – June 2018

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-00F59501



Submitted by:
Javier Torres, Technical Assistance Manager

Banco de Desarrollo de América del Norte
North American Development Bank

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-00F59501-3

Grant Period: Sep. 6, 2012 – Aug. 31, 2019

REPORTING PERIOD:

April - June 2018

TO:

Monica Randall
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:

Javier Torres
North American Development Bank
Technical Assistance Manager

July 30, 2018, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-00F59501

Contact:

Primary Contact Name: **Javier Torres**
Organization: North American Development Bank
Telephone & Fax: 01-656-688-4600 Email: jtorres@nadb.org

Reporting Period (please check appropriate period):

- ☐ October 1 – December 31, 2017, reporting period: report due on January 30, 2018
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Check here if this is the final reporting period under your grant ___

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

Not considered during this period.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

Goal #1: Reduce Air Pollution

- ☒ Continue to focus on air pollution reductions in binational airsheds

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☒ By 2018, maintain effective air quality monitoring networks and timely access to air quality data

☒ Reduce greenhouse gas emissions through energy efficiency and alternatives or renewable energy projects

Goal #2: Improve Access to Clean and Safe Water

☒ By 2015, increase homes connected to safe drinking water (DW) and waste water (WW) treatment

☒ Help DW and WW utilities become more efficient and sustainable

☒ Reduce levels of metals, sediment, or bacteria entering rivers and watersheds

Goal #3: Promote Materials and Waste Management and Clean Sites

☒ Develop capacity to improve collection and recycling of e-waste, plastics, and trash

☒ Develop scrap tire pile prevention and recycling capacity

☒ Develop institutional capacity to clean up contaminated sites

☒ Continue to share information on border area hazardous waste facilities

Goal #4: Enhance Joint Preparedness for Environmental Response

☒ Update eight sister city joint contingency plans with risk identification and reduction of all hazards

☒ Facilitate easier trans-boundary movement of equipment and personnel

☒ Continue updating the U.S.-Mexico Joint Contingency Plan

Goal #5: Compliance Assurance and Environmental Stewardship

☒ Improve information sharing between enforcement agencies on the movement of hazardous waste across the border

☒ Use Toxics Release Inventory (in the U.S.) and the Emissions and Contaminant

☒ Transfer Registry (RETC, in Mexico) to identify top polluters of toxic releases

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☒ Training and information exchange on laws and regulations of respective countries

Summary of approved Work Plan activities performed during the reporting quarter.

The Bioswale Material for South Texas Stormwater Management project concluded on March 2017. Results include that after monitoring rain fall from April 2015 to November 2016, of the five porous materials used in the different parking areas pumice is a hydrologically best performing material for the bioswale porous media.

Overall logistical support for the year was provided for:

- New Mexico – Texas – Chihuahua Waste Task Force meeting, held on February 7, 2017 in Cd. Juarez, Chihuahua.
- New Mexico – Texas – Chihuahua Regional Workgroup Annual Meeting, held on February 14, 2017 in El Paso, Tx.
- Texas- Coahuila – Nuevo Leon – Tamaulipas Regional Workgroup Meeting, held on February 16, 2017 in Laredo, Tx.
- Paso Del Norte Binational Health Council-Environmental Health Committee held on March 22, 2017 in El Paso, Tx.
- Junta de los Rios (Texas – Chihuahua) Rural Task Force Meeting held on March 2, 2017 in Presidio TX
- New Mexico – Chihuahua Rural Task Force Annual Public Meeting held on March 30, 2017 in Palomas, Chih.
- New Mexico – Texas – Chihuahua Health Task Force Public Meeting held on March 30, 2017 in Las Cruces, NM.
- Extreme Heat and Health: Prevention, Mitigation, and Resilience in the Paso del Norte Region Meeting held on May 24th in Juarez, Chihuahua and El Paso, TX.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

-One RFP 2017 project is under development:

- Collaborative K12 Capacity Building and Research for Air Quality Monitoring.

-One project started in this grant:

- Mitigating Localized Flooding - Development of a Green Infrastructure Master Plan, Mercedes, TX.

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For detail of the project status please refer to Attachment A.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

No problems have been reported.

Resolutions to Problems Previously Reported.

No problems have been reported.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

- Review and work with project sponsors in the development of projects and continue with the technical assistance process for the remaining RFP 2015 project.
- The development of a Four-State region project, on hold due to local government administration change, is expected to begin development next quarter:
  - Waste Separation Stations, Matamoros, Tamps.

Discuss what key personnel did on the project.

Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Briselda Duarte and Jorge Hernandez coordinated and monitored work plan activities of the projects in coordination with EPA. Marielena Constandse prepared this report. Marielena Constandse, Abril Quiroz and Javier Torres provided internal contract and grant administration and grant administration coordination with EPA.

Discuss any changes in key personnel.

No changes in key personnel took place this reporting period.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

N/A

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1				
Summary of Quarterly Expenses by Category (Report Period April 1 to June 30, 2018)				
Work Plan Tasks	**Approved Work Plan Budget**	**Previously Expended**	**Expenses this Quarter**	**Total Cumulative Expenses**
Task A- Logistics	$52,688	$52,668	$0	$52,668
Task B- RFP	$40,972	$40,972	$0	$40,972
Task C- Projects	$683,314	$559,984	$0	$559,984
Task D- NADB Presence	$30,579	$30,579	$0	$30,579
Task E- Emergency Response	$45,455	$45,455	$0	$45,455
Indirect Cost	$81,012	$73,169	$0	$73,169
TOTAL Cumulative Expenses	**$934,000**	**$802,827**	**$0**	**$802,827**

TABLE 2						
Budget Categories (programmatic costs only)	**Task A- Logistics**	**Task B- RFP**	**Task C- Projects**	**Task D- BECC Presence**	**Task E- Emergency Response**	**TOTAL Quarterly Expenses**
Personnel	$0	$0	$0	$0	$0	$0
Fringe Benefits	$0	$0	$0	$0	$0	$0
Travel	$0	$0	$0	$0	$0	$0
Contractual	$0	$0	$0	$0	$0	$0
Other (specify)	$0	$0	$0	$0	$0	$0
TOTAL Direct Charges	$0	$0	$0	$0	$0	$0
Indirect Costs	$0	$0	$0	$0	$0	$0
TOTAL Cumulative Expenses	$0	$0	$0	$0	$0	$0

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What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** July 30, 2018

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ED_002319B_00013151-00008

ATTACHMENT "A"

TAA Signed: 3/22/2018

Progress Tracking of 3 States Regional Workgroup Projects

REVIEW DATE: 6/30/2018

Estimated Overall Project Completion: 18%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20322	X4-00F59501 B2020-R6 934	2/9/2018	NR	03/12/2018 / 06/12/2018	Collaborative K12 capacity building and research for air quality monitoring	Goal 1 Objective 1	El Paso, Texas	Center for Environmental Resource Management and Geological Sciences Department, -University of Texas at El Paso	$ 65,000.00	$ -	Jorge Hernandez	Carlos Rincon	**Marketing and teacher recruitment**	Mar-18	May-18	100%	5/30/2008	
													GIS training workshops	May-18	May-19	25%	On going	1st Educational workshop on use of GIS was held on June 2018, 30 participants attended from U.S educators from public schools in El Paso, Texas
													Collect and process GIS data	Apr-18	May-18			
													Train students, conduct particulate matter risk analysis research	May-18	Nov-19			
													Produce web apps (story maps) and research publications	May-18	May-19			
													Teacher and student surveys	May-18	May-19			
													Final Report	Jun-19	Jul-19			

Reports	Due Date
1st Quarterly Report (Mar18- May 18)	6/30/2018
2nd Quarterly Report (Jun 18 - Aug 18)	9/30/2018
3rd Quarterly Report (Sep 18- Nov 18)	12/30/2018
4th Quarterly Report (Dec 18- Feb19)	3/31/2019
5th Quarterly Report (Mar19- May19)	6/30/2019
Final Report	7/31/2019

Legend	Definition
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

TAA Signed: 4/9/2018

Progress Tracking of TX/COAH/TAMPS/NL Regional Workgroup Projects

REVIEW DATE: 6/30/2018

Estimated Overall Project Completion: 18%

PID	GRANT No.	Work Plan Approved	QAPP Approved	START AND ENDING DATE	PROJECT NAME	GOAL & OBJECTIVE	LOCATION	SPONSOR	TAA Amount Approved	AMOUNT PAID	NADB PM	EPA ADVISOR	Action/Task to be Completed from Work plan	START DATE	DUE DATE	% COMPLETED	DATE COMPLETED	STATUS & COMMENTS
20323	X4-00F59501 B2020-R6 934	1/7/2018	NR	3/19/2018 - 3/19/2019	Development of a Green Infrastructure Master Plan in the Lower Rio Grande Valley	Goal 2 Objective 3	Mercedes, Tx	City of Mercedes, Texas	$ 30,000.00	$ -	Jorge Hernandez	Maria Sisneros	**Identify and prioritize problem areas within each region**	Mar-18	Apr-18	100%	5/30/2018	Project has reviewed literature and gathered information
													Planning Workgroup Meeting	Mar-18	Mar-19	25%	On going	Project is preparing a workshop
													Announcements/Website Updates	Apr-18	Mar-19			
													Workshops	Mar-18	Mar-19			
													Document Development (Draft and Final)	Sep-18	Mar-19			
													Conference Dates	Mar-19	Mar-19			
													Final Report	Apr-19	Apr-19			

Reports	Due Date
1st Quarterly Report (Mar18- May 18)	6/30/2018
2nd Quarterly Report (Jun 18 - Aug 18)	9/30/2018
3rd Quarterly Report (Sep 18- Nov 18)	12/30/2018
4th Quarterly Report (Dec 18-Feb19)	3/31/2019
Final Report	4/30/2019

LEGEND	MEANING
PID-	NADB's Tracking Number
Amount Approved	From Signed TAA

THREE STATE (TX-CH-NM) BORDER 2020 - 2013 PROJECTS										
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20249	1	Mejoramiento de la Red de Monitoreo de PM10 en Ojinaga	Municipio de Ojinaga, Chihuahua Ing. Miguel Adame Baeza moadameb@hotmail.com, (626)453-2541	Ojinaga	CHIH	IH AQ	4/15/2014 17 months	$ 13,175.35 $ 13,175.35	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * A network of monitoring of PM10 fully functional. * Three training events for technical personnel * Development of a Communications Plan for air quality data through local media and information materials.
2	20260	2	Sustaining the Environment at the New Mexico-Chihuahua Border	New Mexico Environment Department Ms. Mary Rose Mary.Rose@state.nm.us	Columbus, Deming	NM	BD MC	11/4/2014 13 months	$ 36,953.43 $ 36,953.43	**Project Status:** This project concluded on December 2015. $63,037 dlls. were returned to the grant. Some of the project significant contributions were: * Completion of two presentations on health impacts and effective, low-cost methods for controlling blowing sand and soil. * Completion of four septic maintenance workshops. * Organization of the largest ever water festival held in Columbus, NM.
3	20240	2	Comunidades Unidas en Prevencion de la Contaminacion Ambiental	Adult Youth United Development Association INC Olivia Figueroa Executive Director ayudaorg1@yahoo.com (915) 851-0272	Montana Vista, Cuadrilla, Tornillo	TX	BD AQ	5/1/2014 16 months	$ 49,776.41 $ 49,776.41	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * Training program outreach, 2,332 people *Identification of septic tanks with GIS, 467 houses *Surveys conducted, 462 *Creation of mapping and database in Cuadrilla, Montana Vista, Tornillo, and Valle Bonito at El Paso County
4	20262	3	Ysleta del Sur Pueblo Community Collection Center	Ysleta del Sur Pueblo Evaristo Cruz, ecruz@ydsp.nsn.gov (915)859-7913 ext 7755	El Paso	TX	IH MC	10/1/2014 18 months	$ 65,776.92 $ 65,776.92	**Project Status:** Project finished on April 2015. The main results of the project were: * Collection of a total of 250 tires. * 10,800 pounds of electronic waste collected, 42.35 lbs per household during a 14 month period an estimate of 1.4 lbs per household per month. * 5,420 pounds of recyclables collected, 21.25 lbs per household in a 14 month period an estimate of 4.3 lbs per household per month.
5	20247	3	Reciclaje de Biosolidos en Suelos Agricolas del Valle de Juarez, Chihuahua	Universidad Autónoma de Ciudad Juárez Dr. Juan Pedro Flores Margez Tels. 656-688-1800 ext. 1561, 1976 y 1671 Servicos Agropecuarios Paso del Norte, SC Lic. Ana Irene Flores Arras	Valle de Juárez Valle de Juárez	CHIH CHIH	IH AQ IH AQ	4/13/2014 19 months 4/13/2014 19 months	$ 28,329.78 $ 28,329.78 $ 8,406.38 $ 8,406.38	**Project Status:** The Project was concluded on December 2015. Some of the project significant contributions were: The project established a sustainable program on agricultural use of biosolids, through 15 demonstration hectares. Important outputs are: * Establish a program promoting the adoption by farmers on the use of biosolids on agricultural land. * A list of volunteer farmers to continue the application of biosolids on 100 hectares in 2015 * Three field demonstrations, educational materials for 150 producers and agricultural technicians in the region.

6	20245	Environmental Health	Urban Keyhole Gardens using Rain Water Harvesting Techniques	El Paso Water Utilities Anai I. Padilla El Paso Water Utilities Phone: 915.621.2000 Email: aipadilla@epwu.org	El Paso	TX	AH AQ	4/7/2015 13 months	$ 6,120.08 $ 6,120.08	**Project Status:** The project concluded on May 2015. Some of the project significant contributions were: 14 educational events, with a total of 955 attendees. The overall acceptance of the keyhole gardens, as a vegetable gardening option was well received by the public that attended the various workshops. Final report has been submitted and approved.
7	20250	Environmental Health	[illegible]	[illegible]	[illegible]	[illegible]	AH AQ	[illegible]	$ [illegible]	Project Status: [illegible]

$	251,826.36
$	208,750.36

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2012 - 2013 PROJECTS										
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20241	1	Characterizing Drayage Activities and Emissions in Laredo-Nuevo Laredo Airshed	Texas A&M Transportation Institute (TTI) Farzaneh, Reza Research Engineer m-farzaneh@tamu.edu (512) 407-1118	Laredo	TX	JH AQ	9/1/2014 18 months	$ 89,750.00 $ 89,750.00	**Project Status:** The project concluded on March 2016. Some of the project significant contributions were: Important air quality impacts of drayage trucks in the region, specifically, the results show that the Colombia bridge crossing is the most utilized port of entry in the region, and is associated with relatively high emissions caused by high truck volumes and slow speeds, therefore high emissions adjacent to urban area of both Laredos.
2	20258	2	Determining the Ideal Bioswale Material for South Texas Stormwater Management	The University of Texas Pan American Jungseok Ho, Ph.D., P.E. (956) 665-3104, hoj@utpa.edu	Edinburgh	TX	AH AQ	12/1/2014 24 months	$ 24,133.69 $ 24,133.69	**Project Status:** The Bioswale Material for South Texas Stormwater Management project concluded on March 2017. Results include that after monitoring rain fall from April 2015 to November 2016, of the five porous materials used in the different parking areas pumice is a hydrologically best performing material for the bioswale porous media.
3	20245	2	Conservación del Arroyo Las Vacas en Ciudad Acuña, Coahuila, México	SECRETARÍA DE MEDIO AMBIENTE DEL ESTADO DE COAHUILA Alejandra Carrera alejandra.carrera@sema.gob.mx (844) 4100014	Acuña	COAH	BD AQ	7/14/2014 22 months	$ 34,605.92 $ 34,605.92	**Project Status:** The project concluded on May 2016. Some of the project significant contributions are: a) Binational group created among SEMA Coahuila, TCEQ, Acuna City, Tec of Acuna, CILA, IBWC, UT Austin CONANP. b) Diagnostic Report with inventory data of existing vegetation and species along the 26km of the Acuña river, GIS maps accessible to the public. c) Close out of 35 wastewater illegal dumping sites in 2015. d) Reforestation with 225 native trees. e) Binational workshop on water quality with Tecnológico de Acuña and Texas A&M at Austin.
4	20246	3	Diagnóstico de generación de residuos en la región fronteriza noreste	Secretaría de Desarrollo Sustentable, Gobierno del Estado de Nuevo León Lic. Norma Rangel Sevilla, normaarangel@gmai.com; (81)2033-1938	Sabinas Hidalgo, NL	NL	JH MC	4/1/2014 16 months	$ 17,457.39 $ 17,457.39	**Project Status:** This project concluded on August 2015. Some of the project significant contributions were: *Characterization of waste in the municipality * Generation of a manual on handling e-waste. * Action plan developed
5	20243	3	Keeping Pharr Beautiful Starts at Home	City of Pharr, Public Works Department Grace Segovia, M.A. City of Pharr, Public Works Department Phone: (956) 402-4360 grace.segovia@pharr-tx.gov	Pharr	TX	AH AQ	4/7/2014 20 months	$ 19,830.86 $ 19,830.86	**Project Status:** This project concluded on December 2015. Some of the project significant contributions were: * The reduction in illegal dumping cases from 350 in 2013 to 300 in 2014. * The number of tires collected by city workers decreased from 4,991 in 2013 to 4,520 in 2014.

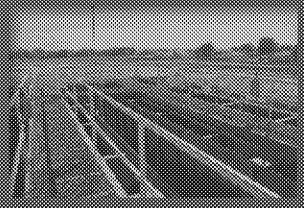
6	20255	3	Alamo Recycling TEAM Includes Everyone (ARTIE)	City of Alamo Melisa Gonzales Storm Water Manager Phone: 956-787-0006 x 140 mgonzales@alamotexas.org	Alamo	TX	AH AO	4/21/2014 24 months	$ $	54,836.16 54,836.16	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven sanitation model that can be easily replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implementation of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
7	20253	3	Manejo, Gestión y Control de Grasas y Aceites	Comisión Municipal de Agua Potable y Alcantarillado Marisela Flores floresmariela@hotmail.com (867) 712-5399	Nuevo Laredo	TAMPS	BD MC	6/3/2014 17 months	$ $	6,497.10 6,497.10	**Project Status:** This project concluded on February 2016. Some of the project significant contributions were: 449 establishments trained, giving them the necessary tools to establish procedures in its companies to raise their compliance, to strengthen the compromise among employees, creating a synergy with the operator body. 56 of these establishments will continue to be monitor by COMAPA to ensure environmental compliance and 13 establishments set up lats and oils traps. 86% of visited users comply with established procedures and are implementing the strategies presented in the workshops.
8	20252	Environmental Health	Promotora-Led Environmental Health Education for Children	La Amistad AHEC / Southwest Border AHEC Rose Martinez 830.758.1111 rose.martinez@swbahec.org	Eagle Pass	TX	AH MC	6/16/2014 17 months	$ $	69,023.50 69,023.50	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven Sanitation Model that can be successfully replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implementation of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
9	20251	Environmental Health	Planeación de un Modelo de Información de la frontera Texas/Mexico	El Colegio de la Frontera Norte, A.C. Dr. Felipe Javier Uribe Sala Tel. (878) 782 7207 Texas A&M HSC Dr. Gerry Carrillo Phone: 956.668.6371 gcarrillo@tamhsc.edu	Piedras Negras Piedras Negras	COAH COAH	BD MC BD MC	5/15/2014 18 months 5/15/2014 18 months	$ $ $ $	19,140.15 19,140.15 15,958.30 15,958.30	**Project Status:** The project concluded on April 2016. Some of the project significant contributions are: a) Identification of agencies who manage health information in the region. b) Organization of a working group to discuss the information on environment and health, among: TCEQ, COLEF, SEMA Coahuila, Texas A&M McAllen Campus. c) MOU agreement between Colef and SEMA Coahuila to share health information and define health indicators. d) Diagnostic report with the identification of sources of environmental information with health associated diseases.

10	20270	Environmental Health	McAllen-Mission-Pharr/Reynosa Hazards in Transportation Binational Training and Exercise	City of McAllen Juan Gloria (956)681-2540 jgloria@mcallen.net	McAllen	TX	BD MC	4/24/2015 5 months	$ 45,455.00 $ 45,455.00	**Project Status:** The Project concluded on December 2015. Some of the project significant contributions were: * Update of the Regional Sister City Plan e-directory * Training on HAZMAT response on International border crossing on Sept. 2015.

	$	396,688.07
	$	396,598.07
Total Approved	$	648,514.43
Total Disbursed	$	605,348.43

Updated June 30, 2018

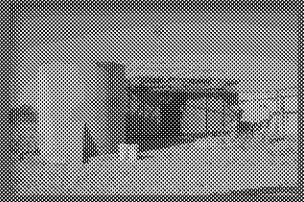
EPA Region 6



QUARTERLY REPORT

January - March 2017

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-00F92501



Submitted by:
Javier Torres, Technical Assistance Manager

Comisión de Cooperación Ecológica Fronteriza
Border Environment Cooperation Commission

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-00F92501

Grant Period: Sep. 17, 2004 – Aug. 31, 2017

REPORTING PERIOD:

January – March 2017

TO:

Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:

Javier Torres
Border Environment Cooperation Commission
Technical Assistance Manager

April 30, 2017, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-00F92501

Contact:

Primary Contact Name: **Javier Torres**
Organization: Border Environment Cooperation Commission
Telephone & Fax: 01-656-688-4600 Email: jtorres@cocef.org

Reporting Period (please check appropriate period):

- ☐ October 1 – December 31, 2014, Reporting period: report due on January 30, 2015
- ☐ January 1 – March 31, 2015, Reporting period: report due on April 30, 2015
- ☐ April 1 – June 30, 2015, Reporting period: report due on July 30, 2015
- ☐ July 1 – September 30, 2014, Reporting period: report due on October 30, 2015
- ☐ October 1 – December 31, 2015, Reporting period: report due on January 30, 2016
- ☐ January 1 – March 31, 2016, Reporting period: report due on April 30, 2016
- ☐ April 1 – June 30, 2016, Reporting period: report due on July 30, 2016
- ☐ July 1 – September 30, 2016, Reporting period: report due on October 30, 2016
- ☐ October 1 – December 31, 2016, Reporting period: report due on January 30, 2017
- ☒ January 1 – March 31, 2017, Reporting period: report due on April 30, 2017
- ☐ April 1 – June 30, 2017, Reporting period: report due on July 30, 2017
- ☐ July 1 – August 30, 2017, Reporting period: report due on September 30, 2017

Check here if this is the final reporting period under your grant

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

None to report.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

ED_002319B_00013159-00003

GOAL 1. - *Reduce Air Pollution*

Objective 1. - By 2020, in accordance with the NAFTA, promote the reduction of the number of vehicles operating in the border region that do not comply with the respective vehicle emissions' standards and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible reduction measures.

- **Project type 1:** Support the development of vehicle emissions programs in collaboration with governmental entities in order to improve compliance, enhance detection and correction of non-compliance vehicles. In addition, capacity building activities to reduce air pollution, in the border cities or at the Ports of Entry (POE), which may include the enforcement of environmental compliance at the time of used vehicle importation.

Objective 2.- By 2020, reduce pollutant emissions in order to approach attainment of respective national ambient air quality standards (i.e. National Ambient Air Quality Standards (NAAQS) or Norms as they are referred in Mexico) in the El Paso, Texas–Dona Ana County, New Mexico and at State of Chihuahua's border cities' air sheds.

- **Project type 1:** Establish joint collaboration strategies with governmental and/or non-governmental regulatory and planning agencies to identify and implement air pollutant reduction strategies to achieve better air quality in the Paso del Norte region (PdN). Projects should promote, expand, and be consistent with the strategies identified in PROAIREs (Mexico's air shed management plan) or U.S. Clean Air Act (USCAA) State Implementation Plans (SIPs.)

Objective 3. – By 2018, maintain effective Ambient Air Quality Monitoring Network (AAQMN) and provide real-time access to air quality data produced at New Mexico/Texas /Mexico air sheds.

- **Project Type 1:** Initiatives for this objective should aim to ensure the long term sustainability and data quality for the El Paso, Texas – Ciudad Juarez, Chihuahua air quality monitoring network.

GOAL 2: *Water – Improve Access to Clean and Safe Water*

- **Project type 1:** Efforts under this goal should be targeted to capacity building proposals that incorporate replication strategies, on proper maintenance and/or decommissioning of septic tanks, water conservation and pollution prevention in order to better understand, plan and maintain cleanup sources of drinking water on future groundwater supplies in New Mexico-Texas-Chihuahua border, specifically in Dona Ana County, New Mexico (particularly those communities along the corridor between El Paso, Texas and Las Cruces, New Mexico) and Luna County, New Mexico and El Paso County, Texas.

Objective 2. - Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.

- **Project type 1:** Conduct energy and/or water audits on small water drinking systems that serve communities with less than a population of 5,000 users, to identify recommendations on how to improve efficiency and provide cost-savings measures for that system.
- **Project type 2:** Outreach and education to improve water quality within the Gulf Task Force Region.

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Objective 3. - Work bi-nationally to identify and reduce surface water contamination in Trans - boundary water bodies and watersheds.

Objective 3a. - Develop a binational watershed protection plan in the Lower Rio Grande below Falcon International Dam. Initial activities could include partnership building, watershed characterization, definition of goals/identification of solutions, determination of waste load, load allocations for each country, and development of an implementation plan.

- **Project type 1:** Continue to support activities that meet objective 3a– The proposals should address any water quality sampling and collection, data analysis, modeling and surveys still required by the bi-national workgroup on this project. In addition, the work should also support any additional training or workshops needed, among others, by the Amistad and Falcon Task Force, as well by the Texas-Coahuila-Nuevo Leon –Tamaulipas, Regional Work Group.

GOAL 3: ***Promote Materials Management & Waste Management, & Clean Sites***

Objective 1. - By 2020, increase local and state-level institutional knowledge and experience in the area of sustainable material management practices.

- **Project type 1**: Proposals should be aimed to build capacity and establish strategies to improve infrastructure to minimize waste, maximize collections systems, support secondary materials markets, and reduce overall disposal in landfills and open dumps.

Objective 2. - Identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.

- **Project type 1:** Identify priority waste streams in the municipalities from Four States region and develop sustainable waste management programs for those municipalities to include strengthening the market value of the waste.
- **Project type 2:** Develop sustainable management practices to address used electronics, household hazardous waste, and tires in the Region which will include an educational component to promote recycling and solid waste practices.

GOAL 4: ***Enhance Joint Preparedness for Environmental Response***

Objective 2. - By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building

- **Project type 1:** Conduct bi-national training to both U.S. and Mexican local emergency responders, on incidents involving Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE), and/or all hazards response skills enabling them to respond safely and effectively to these types of incidences.
- **Project type 2:** Conduct bi-national training to U.S. and Mexican local emergency responders, specifically on HAZMAT incidences only.
- **Project type 3:** Conduct bi-national: 1) tabletop drill with functional drill/exercise or 2) Full Scale Drill/Exercises to test local sister city plans. In order to meet the definition of bi-national, the

drills/exercises should go beyond a simple notification to the local sister-city pair and demonstrate actual coordination of resources (expertise, equipment, personnel, etc.) between the sister-cities.

- **Project type 4:** Develop a hazardous materials risk analysis.

GOAL 5. – Enhance *Compliance Assurance and Environmental Stewardship*

Objective 4. - By 2020, implement at least five (5) binational workshops targeted to environmental enforcement professionals, including ports-of-entry customs professionals (i.e. Department of Homeland Security-Customs and Border Protection), to promote the exchange of information and improve understanding of each Country's respective compliance and enforcement programs and tools, including field studies.

- **Project type 1:** Proposals should consider events for information exchange to improve understanding each Country's respective compliance and enforcement programs and tools including field inspections and case development practices.

Fundamental Strategies

Promoting Environmental Health

- **Project type 1:** Projects presented under this fundamental strategy should increase engagement and participation by the community and stakeholders to better manage the environment and public health issues along the border.

Building Capacity towards Climate Change Resiliency

- **Project type 1**: The Border 2020 climate change efforts should focus on reducing greenhouse gas (GHG) emissions and on actions to help border communities become more resilient to the effects of climate change.

Summary of approved Work Plan activities performed during the reporting quarter.

Projects in progress during reporting period:

Project ID	Goal	Objective	Project Name	Status
20298	3	1	Sewage Sludge and Biosolids Agricultural Soils Project in the Valle de Juarez, Chihuahua	Project Status: Activities for the last quarter include attending the meetings of District Rural Development Councils convened by SAGARPA to continue the dissemination of the Commission for the Use of Biosolids activities and the preparation of material for courses and workshops to producers and livestock technicians in the Valle de Juarez. A workshop for government officials was held with the participation of 21 representatives and an interview and publications made by Dr. Flores in Norte appeared in a local newspaper and local media.

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20303	FS	NA	Healthy and Resilient Housing in west Ciudad Juarez, Chihuahua	Eco-technologies are being applied to 25 selected homes. Additionally, a catalog with 31 eco-technologies that can be applied to local low income houses has been finished
20302	FS	NA	Green Infrastructure in Public Space on Valle del Sol Avenue, Ciudad Juarez, Chihuahua	The demonstration site is finished and operating. Monitoring of the rain water and sediments captured is underway. A training for local park employees and neighbors of the project site to explain the function and maintenance needs has been scheduled for the end of April.
20295	3	1	Interagency coordination for the management of electronic and electrical waste in Ciudad Acuña and Piedras Negras, Coahuila	The project concluded in March 2017. The results of the project are: Collection of 56 tons of electronic waste (25 tons were targeted), which included 3 campaigns of massive collection of e-waste in several municipalities. 38 public and private organizations were trained and supported the campaign. A permanent collection of electronic waste was opened in Ciudad Acuña.
20297	2	2	Decision Making Tool (DMT[G]) for Determining LID Stormwater Detention, Brownsville, Texas	Project sponsor has performed an AutoCad drawing for a prototype 20 acre commercial development case study to use it as a demonstration tool in the workshops. Project sponsor has four workshops venues planned for continuing education credits for storm water professionals in Brownsville, San Benito, Weslaco and Mission. Texas A&M Kingsville is proposing to revise the budget to include a subcontract for UTRGV to complete a portion of the remaining work in 2017.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

None to report.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

None

Resolutions to Problems Previously Reported.

None to report.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

None to report.

Discuss what key personnel did on the project.

Briselda Duarte coordinated project development activities with EPA and sponsors. Marielena Constandse prepared this report and provided Contract Administration. Javier Torres provided Grant Administration coordination with EPA. Joaquin Marruffo supervised the execution of the project activities.

Discuss any changes in key personnel.

None to report.

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

None to report.

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1

Summary of Quarterly Expenses by Category (Report Period January 1 to March 31, 2017)

Work Plan Tasks	Approved Work Plan Budget	Previously Expended	Expenses this Quarter	Total Cumulative Expenses
Task A- Projects	$ 278,255.00	$139,513	$10,843	$150,356
Task B- Emergency Response	$ 26,290.00	$25,055	$0	$25,055
Indirect Cost	$30,455.00	$16,457	$1,084	$17,541
TOTAL Cumulative Expenses	**$335,000.00**	**$181,025**	**$11,927**	**$192,953**

TABLE 2			
Budget Categories (programmatic costs only)	**Task A Projects**	**Task B Emergency Response**	**TOTAL Quarterly Expenses**
Personnel	-	-	-
Fringe Benefits	-	-	-
Travel	-	-	-
Equipment	-	-	-
Other (specify)	$10,843.13	-	$10,843.13
TOTAL Direct Charges	$10,843.13	-	$10,843.13
Indirect Costs	$1,084.31	-	$1,084.31
TOTAL Cumulative Expenses	$11,927.44	-	$11,927.44

[1]*EPA defines equipment as items that cost $5,000 or more with a useful life of more than one year. Items costing less than $5,000 are considered supplies.*
[2]*Applicants must comply with the procurement procedures contained in 40 CFR 31.36, or for non-profits, with 40 CFR30.40.*

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** April 30, 2017

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ATTACHMENT "A"

THREE STATE (TX-CHIH-NM) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Goal/ Fund. Strategy	Objective	Project Name	Project Implementer / Contact Information	BECC Contract Officer & Project Manager	Amount Approved / Amount Disbursed	STATUS
1	20298	3	1	**Sewage Sludge and Biosolids Agricultural Soils project in the Valle de Juarez, Chihuahua**	Universidad Autónoma de Cd. Juárez	Jorge Hernandez (PM)	$ 48,510.00 $ 9,451.25	**Project Status:** Activities for the last quarter include attending the meetings of District Rural Development Councils convened by SAGARPA to continue the dissemination of the Commission for the Use of Biosolids activities and the preparation of material for courses and workshops to producers and livestock technicians in the Valle de Juarez. A workshop for government officials was held with the participation of 21 representatives and an interview and publications made by Dr. Flores in Norte appeared in a local newspaper and local media.
2	20303	FS	N/A	**Healthy and Resilient Housing in west Ciudad Juarez, Chihuahua**	Federación Mexicana de Asociaciones Privadas de Salud y Desarrollo Comunitario, A.C.	Armando Herrerias (PM)	$ 50,000.00 $ 17,804.00	**Project Status:** Eco-technologies are being applied to 25 selected homes. Additionally, a catalog with 31 eco-technologies that can be applied to local low income houses has been finished
3	20302	FS	N/A	**Green Infrastructure in Public Space on Valle del Sol Avenue, Ciudad Juarez, Chihuahua**	Instituto Tecnológico de Ciudad Juárez	Armando Herrerias (PM)	$ 43,204.00 $ 29,239.30	**Project Status:** The demonstration site is finished and operating. Monitoring of the rain water and sediments captured is underway. A training for local park employees and neighbors of the project site to explain the function and maintenance needs has been scheduled for the end of April.
						Amount Approved	$ 141,714.00	
						Amount Disbursed	$ 56,494.55	

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Goal/ Fund. Stategy	Objective	Project Name	Project Implementer / Contact Information	BECC Contract Officer & Project Manager	Amount Approved / Amount Disbursed	STATUS
1	20170	4	2	**Hazardous Materials First Responders Binational Training in McAllen, Mission, Pharr, TX and Reynosa, Tamaulipas**	City of McAllen Juan Gloria (956)681-2540 jgloria@mcallen.net	Marielena Constandse (CO) / Briselda Duarte (PM)	$ 25,055.00 $ 25,055.00	**Project Status:**Project concluded on February. Some of the significant project contributions are: - Increase hazmat response skills and capabilities to first responders in McAllen, Mission and Pharr Fire Departments and first responders from northern Mexico. - Equipment will also be used in future binational trainings.
2	20255	3	1	**Comprehensive Solid Waste Management Project in Rio Bravo and Valle Hermoso, Tamaulipas**	Secretaria de Medio Ambiente	Jorge Hernandez (PM)	$ 20,866.00 $ 19,871.16	**Project Status:** The two municipal programs have been completed, and in August 10 and 24 they were presented for approval by the respective city councils. Some of the significant project contributions are: + The generation and waste composition studies allow both communities to know the type and amount of waste generated per inhabitant and could be marketed. The studies also calculate the areas required for the final disposal site according to their generation. + Both programs have been completed, and presented for approval by the respective city councils.
3	20255	3	1	**Interagency coordination for the management of electronic and electrical waste in Ciudad Acuña and Piedras Negras, Coahuila**	Secretaría de Medio Ambiente del Estado de Coahuila de Zaragoza	Jorge Hernandez (PM)	$ 16,898.67 $ 16,898.67	**Project Status:** The project concluded in March 2017. The results of the project are: Collection of 56 tons of electronic waste (25 tons were targegted), which included 3 campaigns of massive collection of e-waste in several municipalities. 38 public and private organizations were trained and supported the campaign. A permanent collection of electronic waste was opened in Ciudad Acuña.

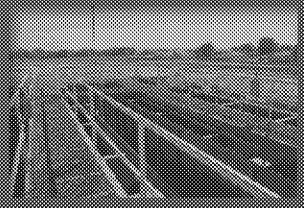
4	20297	4	2	Binational Tabletop and Functional Exercises between Harlingen, TX and Matamoros, Tamaulipas.	City of Harlingen Fire Department	Briselda Duarte (PM)	$ 44,692.30 $ 44,692.30	**Project status**: The project concluded in August. Some of the significant project contributions are: -Training of 19 officers and students from Harlingen (2), Mission (2), Brownsville (1) and Matamoros (14). -Harlingen and Matamoros have established the ability to implement standardized response and real time communication in the event of Hazardous Materials incidents. -A foundation for enhanced emergency response and cooperative incident management has been created.
5	20297	2	2	**Decision Making Tool (DMT^{G}) for Determining LID Stormwater Detention in Bronwsville, Texas**	Texas A&M University-Kingsville	Jorge Hernandez (PM)	**$ 38,885.00** **$ 12,044.74**	**Project Satus:** Project sponsor has performed an AutoCad drawing for a prototype 20 acre commercial development case study to use it as a demonstration tool in the workshops. Project sponsor has four workshops venues planned for continuing education credits for storm water professionals in Brownsville, San Benito, Weslaco and Mission. Texas A&M Kingsville is proposing to revise the budget to include a subcontract for UTRGV to complete a portion of the remaining work in 2017.

Updated March 31, 2017

Amount Approved	**$ 146,386.97**
Amount Disbursed	**$ 118,651.87**

Total Approved	**$ 288,100.97**
Total Disbursed	**$ 175,046.42**

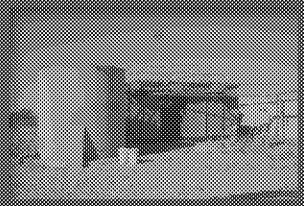
EPA Region 6



QUARTERLY REPORT

January - March 2017

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-01F04901



Submitted by:
Javier Torres, Technical Assistance Manager

Comisión de Cooperación Ecológica Fronteriza
Border Environment Cooperation Commission

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-01F04901

Grant Period: August 12, 2015 - August 31, 2017

REPORTING PERIOD:

October - December 2016

TO:

Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:

Javier Torres
Border Environment Cooperation Commission
Technical Assistance Manager

April 30, 2017, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-01F04901

Contact:

Primary Contact Name: **Javier Torres**
Organization: Border Environment Cooperation Commission
Telephone & Fax: 01-656-688-4600 Email: jtorres@cocef.org

Reporting Period (please check appropriate period):

- ☐ July 1 – September 30, 2015, Reporting period: report due on October 30, 2015
- ☐ October 1 – December 31, 2015, Reporting period: report due on January 30, 2016
- ☐ January 1 – March 31, 2016, Reporting period: report due on April 30, 2016
- ☐ April 1 – June 30, 2016, Reporting period: report due on July 30, 2016
- ☐ July 1 – September 30, 2016, Reporting period: report due on October 30, 2016
- ☐ October 1 – December 31, 2016, Reporting period: report due on January 30, 2017
- ☒ January 1 – March 31, 2017, Reporting period: report due on April 30, 2017
- ☐ April 1 – June 30, 2017, Reporting period: report due on July 30, 2017
- ☐ July 1 – September 30, 2017, Reporting period: report due on October 30, 2017

Check here if this is the final reporting period under your grant ☐

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

No growth is expected for the projects under-development at this time.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

GOAL 1. - *Reduce Air Pollution*
Objective 1. - By 2020, in accordance with the NAFTA, promote the reduction of the number of vehicles operating in the border region that do not comply with the respective vehicle emissions' standards and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible reduction measures.

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- **Project type 1:** Support the development of vehicle emissions programs in collaboration with governmental entities in order to improve compliance, enhance detection and correction of non-compliance vehicles. In addition, capacity building activities to reduce air pollution, in the border cities or at the Ports of Entry (POE), which may include the enforcement of environmental compliance at the time of used vehicle importation.

Objective 2.- By 2020, reduce pollutant emissions in order to approach attainment of respective national ambient air quality standards (i.e. National Ambient Air Quality Standards (NAAQS) or Norms as they are referred in Mexico) in the El Paso, Texas–Dona Ana County, New Mexico and at State of Chihuahua's border cities' air sheds.

- **Project type 1:** Establish joint collaboration strategies with governmental and/or non-governmental regulatory and planning agencies to identify and implement air pollutant reduction strategies to achieve better air quality in the Paso del Norte region (PdN). Projects should promote, expand, and be consistent with the strategies identified in PROAIREs (Mexico's air shed management plan) or U.S. Clean Air Act (USCAA) State Implementation Plans (SIPs.)

Objective 3. – By 2018, maintain effective Ambient Air Quality Monitoring Network (AAQMN) and provide real-time access to air quality data produced at New Mexico/Texas /Mexico air sheds.

- **Project Type 1:** Initiatives for this objective should aim to ensure the long term sustainability and data quality for the El Paso, Texas – Ciudad Juarez, Chihuahua air quality monitoring network.

Objective 5. - By 2020, reduce emissions and associated impacts through energy efficiency and/or alternative/renewable energy projects.

Possible projects could include: Border-wide training for border stakeholders in instituting and sustaining urban energy efficiency measures; green building training/workshops; forums in which states, localities, non-governmental organizations (NGOs) and industry can share program information and technologies; and energy efficiency co-benefits through reduction of criteria air contaminant emissions (stationary and vehicle sources)

GOAL 2: ***Water – Improve Access to Clean and Safe Water***

- **Project type 1:** Efforts under this goal should be targeted to capacity building proposals that incorporate replication strategies, on proper maintenance and/or decommissioning of septic tanks, water conservation and pollution prevention in order to better understand, plan and maintain cleanup sources of drinking water on future groundwater supplies in New Mexico-Texas-Chihuahua border, specifically in Dona Ana County, New Mexico (particularly those communities along the corridor between El Paso, Texas and Las Cruces, New Mexico) and Luna County, New Mexico and El Paso County, Texas.

Objective 2. - Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.

ED_002319B_00013162-00004

- **Project type 1:** Conduct energy and/or water audits on small water drinking systems that serve communities with less than a population of 5,000 users, to identify recommendations on how to improve efficiency and provide cost-savings measures for that system.
- **Project type 2:** Outreach and education to improve water quality within the Gulf Task Force Region.

Objective 3. - Work bi-nationally to identify and reduce surface water contamination in Trans - boundary water bodies and watersheds.

Objective 3a. - Develop a binational watershed protection plan in the Lower Rio Grande below Falcon International Dam. Initial activities could include partnership building, watershed characterization, definition of goals/identification of solutions, determination of waste load, load allocations for each country, and development of an implementation plan.

- **Project type 1:** Continue to support activities that meet objective 3a– The proposals should address any water quality sampling and collection, data analysis, modeling and surveys still required by the bi-national workgroup on this project. In addition, the work should also support any additional training or workshops needed, among others, by the Amistad and Falcon Task Force, as well by the Texas-Coahuila-Nuevo Leon –Tamaulipas, Regional Work Group.

GOAL 3: *Promote Materials Management & Waste Management, & Clean Sites*

Objective 1. - By 2020, increase local and state-level institutional knowledge and experience in the area of sustainable material management practices.

- **Project type 1**: Proposals should be aimed to build capacity and establish strategies to improve infrastructure to minimize waste, maximize collections systems, support secondary materials markets, and reduce overall disposal in landfills and open dumps.

Objective 2. - Identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.

- **Project type 1:** Identify priority waste streams in the municipalities from Four States region and develop sustainable waste management programs for those municipalities to include strengthening the market value of the waste.
- **Project type 2:** Develop sustainable management practices to address used electronics, household hazardous waste, and tires in the Region which will include an educational component to promote recycling and solid waste practices.

GOAL 4: *Enhance Joint Preparedness for Environmental Response*

Objective 2. - By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building

- **Project type 1:** Conduct bi-national training to both U.S. and Mexican local emergency responders, on incidents involving Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE), and/or all hazards response skills enabling them to respond safely and effectively to these types of incidences.
- **Project type 2:** Conduct bi-national training to U.S. and Mexican local emergency responders, specifically on HAZMAT incidences only.
- **Project type 3:** Conduct bi-national: 1) tabletop drill with functional drill/exercise or 2) Full Scale Drill/Exercises to test local sister city plans. In order to meet the definition of bi-national, the drills/exercises should go beyond a simple notification to the local sister-city pair and demonstrate actual coordination of resources (expertise, equipment, personnel, etc.) between the sister-cities.
- **Project type 4:** Develop a hazardous materials risk analysis.

GOAL 5. – Enhance *Compliance Assurance and Environmental Stewardship*

Objective 4. - By 2020, implement at least five (5) binational workshops targeted to environmental enforcement professionals, including ports-of-entry customs professionals (i.e. Department of Homeland Security-Customs and Border Protection), to promote the exchange of information and improve understanding of each Country's respective compliance and enforcement programs and tools, including field studies.

- **Project type 1:** Proposals should consider events for information exchange to improve understanding each Country's respective compliance and enforcement programs and tools including field inspections and case development practices.

Fundamental Strategies

Promoting Environmental Health

- **Project type 1:** Projects presented under this fundamental strategy should increase engagement and participation by the community and stakeholders to better manage the environment and public health issues along the border.

Building Capacity towards Climate Change Resiliency

- **Project type 1**: The Border 2020 climate change efforts should focus on reducing greenhouse gas (GHG) emissions and on actions to help border communities become more resilient to the effects of climate change.

Summary of approved Work Plan activities performed during the reporting quarter.
Projects in progress during reporting period:

Project ID	Goal / Fund. Strategy	Objective	Project Name	Status
20288	1	1	Improvements to Environmental Services in Cattle Ranches via Livestock Grazing, Ascensión, Chihuahua.	Project Status: Monitoring of air parameters data downloaded from all 9 weather stations was performed during this period; vegetation basal cover was determined for all 9 ranches by collecting data.
20293	5	4	Legislative Reform and Environmental Education, Nuevo Laredo, Tamaulipas.	Project Status: 856 students of 13 elementary schools in Nuevo Laredo were educated on environmental legislation; review of the

				municipal code and identification of improvements on 10 border cities in Tamaulipas was carried out and a standard municipal code to be implemented in the border cities of Tamaulipas was developed.
20286	3	2	Comprehensive E-Waste Management in Piedras Negras, Coahuila and Eagle Pass, Texas.	Project Status: A permanent e-waste collection center was established. The e-waste collection campaign focused on local industry and educational centers. To date, more than 50 tons of e-waste have been collected. The group Green Tec-Osos continues to collect e-waste through a mobile container. An e-waste collection campaign program was designed for the city of Eagle Pass to be implemented in the next quarter.
20290	2	3	The Rio Grande/Río Bravo Water Quality Initiative, Laredo, Texas.	Project Status: Project staff is currently working with CILA, CONAGUA and IMTA to identify Mexican representatives to the Lower Rio Grande Water Quality Initiative project.
20291	2	2	Fat, Oil and Grease (FOG) Public Outreach Campaign, Brownsville, Texas.	Project Status: Project completion date extended to April 2017. Outreach effort continues, BPUB currently has two (2) digital poster boards that run FOG ads.
20294	3	1	Let's Clean it Up and Green it Up, Pharr, Texas	Project Status: The city of Pharr representatives attended the environmental summit meeting for Pharr schools to promote recycling and tire collection monthly operations and clean sweep events. The city hosted the annual tire incentive program for Pharr residents. Final document is being drafted, project is expected to finish by next quarter.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

There are no performance outputs and outcome to report at the project level.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

No problems have been reported.

Resolutions to Problems Previously Reported.

No problems have been reported.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

- Coordinate with the sponsors the implementation of the projects in accordance with the approved Work Plans.
- An RFP is under-development and expected to be announced in May. Funds from this cooperative agreement will be used to funds selected projects.

Discuss what key personnel did on the project.

Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Briselda Duarte, Armando Herrerias and Jorge Hernandez manage the kick off and implementation of the projects in close coordination with EPA. Marielena Constandse prepared this report. Marielena Constandse, Abril Quiroz and Javier Torres provided RFP coordination and Grant Administration.

Discuss any changes in key personnel.

None

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

N/A

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1

Summary of Quarterly Expenses by Category (Report Period January 1 to March 31, 2017)

Work Plan Tasks	Approved Work Plan Budget	Previously Expended	Expenses this Quarter	Total Cumulative Expenses
Task A - RFP	$66,234	$33,117.45	$0	$0
Task B - Projects	$600,584	$76,850.88	$26,235.16	$103,086.04
Task C - Logistics	$65,000	$0	$0	$0
Indirect Cost	$73,182	$10,996.84	$2,623.52	$13,620.36
TOTAL Cumulative Expenses	**$805,000**	**$120,965**	**$28,859**	**$149,824**

TABLE 2				
Budget Categories (programmatic costs only)	**Task A- RFP**	**Task B- Projects**	**Task C- Logistical Support**	**TOTAL Quarterly Expenses**
Personnel	$0	$0	$0	$0
Fringe Benefits	$0	$0	$0	$0
Travel	$0	$0	$0	$0
Contractual	$0	$0	$0	$0
Other (specify)	$0	$26,235.16	$0	$26,235.16
TOTAL Direct Charges	$0	$26,235.16	$0	$26,235.16
Indirect Costs	$0	$2,623.52	$0	$2,623.52
TOTAL Cumulative Expenses	$0	$28,858.68	$0	$28,858.68

[1]EPA defines equipment as items that cost $5,000 or more with a useful life of more than one year. Items costing less than $5,000 are considered supplies.
[2]Applicants must comply with the procurement procedures contained in 40 CFR 31.36, or for non-profits, with 40 CFR30.40.

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** April 30, 2017

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ATTACHMENT "A"

THREE STATE (TX-CHIH-NM) BORDER 2020 - 2015 PROJECTS								
No.	Project ID	Project Name	Project Implementer Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed Period Of Performance	Amount Approved Amount Disbursed	STATUS
1	20288	**Improvements to Environmental Services in Cattle Ranches via Livestock Grazing, Ascensión, Chihuahua.**	Universidad Autónoma de Chihuahua – Facultad de Zootecnia y Ecología	Ascension, Chih.	Briselda Duarte (PM)	7/15/2016 7/31/2017	$ 41,388.00	**Project Status:** Monitoring of air parameters data downloaded from all 9 weather stations was performed during this period; vegetation basal cover was determined for all 9 ranches by collecting data.

Amount Approved	$ 41,388.00
Amount Disbursed	$ -

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20283	**Energy Efficiency Workshop for Public Lighting Systems, Reynosa, Tamaulipas.**	Secretaría de Desarrollo Urbano y Medio Ambiente	Reynosa, Tamps.	Briselda Duarte (PM)	2/22/2016 5/2/2016	$ 9,330.33 $ 9,330.33	**Project Status:** Concluded on August 2016. Technical training provided to 30 technical officials from the municipalities of Nuevo Laredo, Guerrero, Mier, Miguel Aleman, Camargo, Diaz Ordaz, Reynosa, Rio Bravo, Valle Hermoso and Matamoros, Tamaulipas. Thirty (30) energy efficiency guidelines including maintenance recommendations to reduce Kwh electrical consumption were reviewed.
2	20293	**Legislative Reform and Environmental Education, Nuevo Laredo, Tamaulipas.**	Universidad Autónoma de Tamaulipas en Nuevo Laredo.	Nuevo Laredo, Tamps.	Briselda Duarte (PM)	5/26/2016 5/2/2017	**$11,000.00** $ **5,552.74**	**Project Status:** 856 students of 13 elementary schools in Nuevo Laredo were educated on environmental legislation; review of the municipal code and identification of improvements on 10 border cities in Tamaulipas was carried out and a standard municipal code to be implemented in the border cities of Tamaulipas was developed.
3	20286	**Comprehensive E-Waste Management in Piedras Negras, Coahuila and Eagle Pass, Texas.**	Grupo Ecológico Green Tec-Osos del Instituto Tecnológico de Piedras Negras	Piedras Negras, Coahuila and Eagle Pass, Texas	Jorge Hernandez (PM)	1/21/2016 7/18/2017	**$36,054.00** $ **24,287.08**	**Project Status:** A permanent e-waste collection center was established. The e-waste collection campaign focused on local industry and educational centers. To date, more than 50 tons of e-waste have been collected. The group Green Tec-Osos continues to collect e-waste through a mobile container. An e-waste collection campaign program was designed for the city of Eagle Pass to be implemented in the next quarter.
4	20290	**The Rio Grande/Río Bravo Water Quality Initiative, Laredo Texas**	The University of Texas at Austin	Laredo, TX.	Briselda Duarte (PM)	2/22/2016 8/31/2017	**$58,575.00** $ **19,399.64**	**Project Status:** Project staff is currently working with CILA, CONAGUA and IMTA to identify Mexican representatives to the Lower Rio Grande Water Quality Initiative project.
5	20291	**Fat, Oil and Grease (FOG) Public Outreach Campaign, Brownsville, Texas**	Brownsville Public Utilities Board	Brownsville, TX.	Briselda Duarte (PM)	2/22/2016 2/2/2017	**$25,000.00** $ **16,237.90**	**Project Status:** Project completion date extended to April 2017. Outreach effort continues, BPUB currently has two (2) digital poster boards that run FOG ads.
6	20292	Awareness and Discharge Control Rules	Junta de Agua y Drenaje de la Ciudad de Matamoros	Matamoros, Tamps.	Briselda Duarte (PM)	TBD TBD	$25,000.00	**Project Status:** Cancelled due to due to public staff turnover to implement the wastewater municipal code. Issue longstanding to comply for finalizing the new SRF, once the municipal regulation is legally approved.

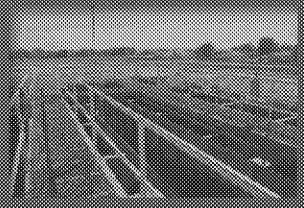
7	20294	**Let's Clean it Up and Green it Up, Pharr, Texas**	City of Pharr, Recycling Center	Pharr, TX.	Jorge Hernandez (PM)	2/22/2016	**$36,390.00**	**Project Status:** The city of Pharr representatives attended the environmental summit meeting for Pharr schools to promote recycling and tire collection monthly operations and clean sweep events. The city hosted the annual tire incentive program for Pharr residents. Final document is being drafted, project is expected to finish by next quarter.
						4/2/2017	$ **28,278.35**	

Updated March 31, 2017

Amount Approved	$	201,349.33
Amount Disbursed	$	103,086.04

Total Approved	$	242,737.33
Total Disbursed	$	103,086.04

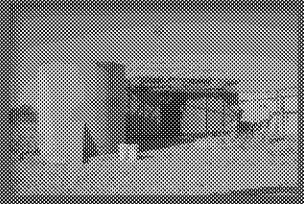
EPA Region 6



QUARTERLY REPORT

January – March 2017

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-00F59501



Submitted by:
Javier Torres, Technical Assistance Manager

Comisión de Cooperación Ecológica Fronteriza
Border Environment Cooperation Commission

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-00F59501-3

Grant Period: Sep. 6, 2012 – Dec. 31, 2017

REPORTING PERIOD:

January - March 2017

TO:
Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:
Javier Torres
Border Environment Cooperation Commission
Technical Assistance Manager

April 30, 2017, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-00F59501

Contact:

Primary Contact Name: **Javier Torres**
Organization: Border Environment Cooperation Commission
Telephone & Fax: 01-656-688-4600 Email: jtorres@cocef.org

Reporting Period (please check appropriate period):

- ☐ January 1 – March 31, 2014, reporting period: report due on April 30, 2014
- ☐ April 1 – June 30, 2014, reporting period: report due on July 30, 2014
- ☐ July 1 – September 30, 2014, reporting period: report due on October 30, 2014
- ☐ October 1 – December 31, 2014, reporting period: report due on January 30, 2015
- ☐ January 1 – March 31, 2015, reporting period: report due on April 30, 2015
- ☐ April 1 – June 30, 2015, reporting period: report due on July 30, 2015
- ☐ July 1 – September 30, 2015, reporting period: report due on October 30, 2015
- ☐ October 1 – December 31, 2015, reporting period: report due on January 30, 2016
- ☐ January 1 – March 31, 2016, reporting period: report due on April 30, 2016
- ☐ April 1 – June 30, 2016, reporting period: report due on July 30, 2016
- ☐ July 1 – September 30, 2016, reporting period: report due on October 30, 2016
- ☐ October 1 – December 31, 2016, reporting period: report due on January 30, 2017
- ☒ January 1 – March 31, 2017, reporting period: report due on April 30, 2017
- ☐ April 1 – June 30, 2017, reporting period: report due on July 30, 2017
- ☐ July 1 – September 30, 2017, reporting period: report due on October 30, 2017
- ☐ October 1 – December 31, 2017, reporting period: report due on January 30, 2018

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Check here if this is the final reporting period under your grant ___

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

Not considered during this period.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

Goal #1: Reduce Air Pollution

- ☒ Continue to focus on air pollution reductions in binational airsheds
- ☒ By 2018, maintain effective air quality monitoring networks and timely access to air quality data
- ☒ Reduce greenhouse gas emissions through energy efficiency and alternatives or renewable energy projects

Goal #2: Improve Access to Clean and Safe Water

- ☒ By 2015, increase homes connected to safe drinking water (DW) and waste water (WW) treatment
- ☒ Help DW and WW utilities become more efficient and sustainable
- ☒ Reduce levels of metals, sediment, or bacteria entering rivers and watersheds

Goal #3: Promote Materials and Waste Management and Clean Sites

- ☒ Develop capacity to improve collection and recycling of e-waste, plastics, and trash
- ☒ Develop scrap tire pile prevention and recycling capacity
- ☒ Develop institutional capacity to clean up contaminated sites
- ☒ Continue to share information on border area hazardous waste facilities

Goal #4: Enhance Joint Preparedness for Environmental Response

- ☒ Update eight sister city joint contingency plans with risk identification and reduction of all hazards

☒ Facilitate easier trans-boundary movement of equipment and personnel

☒ Continue updating the U.S.-Mexico Joint Contingency Plan

Goal #5: Compliance Assurance and Environmental Stewardship

☒ Improve information sharing between enforcement agencies on the movement of hazardous waste across the border

☒ Use Toxics Release Inventory (in the U.S.) and the Emissions and Contaminant

☒ Transfer Registry (RETC, in Mexico) to identify top polluters of toxic releases

☒ Training and information exchange on laws and regulations of respective countries

Summary of approved Work Plan activities performed during the reporting quarter.

The Bioswale Material for South Texas Stormwater Management project concluded on March 2017. Results include that after monitoring rain fall from April 2015 to November 2016, of the five porous materials used in the different parking areas pumice is a hydrologically best performing material for the bioswale porous media.

Logistic support was provided for:

- New Mexico – Texas – Chihuahua Waste Task Force meeting, held on February 7, 2017 in Cd. Juarez, Chihuahua.
- New Mexico – Texas – Chihuahua Regional Workgroup Annual Meeting, held on February 14, 2017 in El Paso, Tx.
- Texas- Coahuila – Nuevo Leon – Tamaulipas Regional Workgroup Meeting, held on February 16, 2017 in Laredo, Tx.
- Paso Del Norte Binational Health Council-Environmental Health Committee held on March 22, 2017 in El Paso, Tx.
- Junta de los Rios (Texas – Chihuahua) Rural Task Force Meeting held on March 2, 2017 in Presidio TX
- New Mexico – Chihuahua Rural Task Force Annual Public Meeting held on March 30, 2017 in Palomas, Chih.
- New Mexico – Texas – Chihuahua Health Task Force Public Meeting held on March 30, 2017 in Las Cruces, NM.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

For more detailed information please review Attachment "A"

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

No problems have been reported.

Resolutions to Problems Previously Reported.

No problems have been reported.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

An RFP is scheduled to be announced in May, Funds of this cooperative agreement are expected to fund selected projects.

Discuss what key personnel did on the project.

Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Briselda Duarte, Armando Herrerias and Jorge Hernandez coordinated and monitored work plan activities of the projects in coordination with EPA. Marielena Constandse prepared this report. Marielena Constandse, Abril Quiroz and Javier Torres provided internal contract and grant administration and grant administration coordination with EPA.

Discuss any changes in key personnel.

None

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

N/A

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1				
Summary of Quarterly Expenses by Category (Report Period January 1 to March 31, 2017)				
Work Plan Tasks	**Approved Work Plan Budget**	**Previously Expended**	**Expenses this Quarter**	**Total Cumulative Expenses**
Task A- Logistics	$32,870	$32,870	$6,963.38	$39,833
Task B- RFP	$40,972	$40,972	$0	$40,972
Task C- Projects	$ 700,158	$559,284	$0	$559,284
Task D- BECC Presence	$ 29,636	$23,087	$5,489.99	$28,577
Task E- Emergency Response	$45,455	$45,455	$0	$45,455
Indirect Cost	$84,909	$70,166	$1,245.34	$71,411
TOTAL Cumulative Expenses	**$934,00**	**$771,833**	**$13,698.71**	**$785,532**

TABLE 2						
Budget Categories (programmatic costs only)	**Task A- Logistics**	**Task B- RFP**	**Task C- Projects**	**Task D- BECC Presence**	**Task E- Emergency Response**	**TOTAL Quarterly Expenses**
Personnel	$0	$0	$0	$3,381.34	$0	$3,381.34
Fringe Benefits	$0	$0	$0	$489.14	$0	$489.14
Travel	$0	$0	$0	$1,619.51	$0	$1,619.51
Contractual	$6,963.38	$0	$0	$0	$0	$6,963.38
Other (specify)	$0	$0	$0	$0	$0	$0
TOTAL Direct Charges	$6,963.38	$0	$0	$5,489.99	$0	$12,453.37
Indirect Costs	$696.34	$0	$0	$549.00	$0	$1,245.34
TOTAL Cumulative Expenses	$7,659.72	$0	$0	$6,038.99	$0	$13,698.71

[1]EPA defines equipment as items that cost $5,000 or more with a useful life of more than one year. Items costing less than $5,000 are considered supplies. [2]Applicants must comply with the procurement procedures contained in 40 CFR 31.36, or for non-profits, with 40 CFR30.40.

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** April 30, 2017

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ATTACHMENT "A"

THREE STATE (TX-CH-NM) BORDER 2020 - 2013 PROJECTS										
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20249	1	Mejoramiento de la Red de Monitoreo de PM10 en Ojinaga	Municipio de Ojinaga, Chihuahua Ing. Miguel Adame Baeza moadameb@hotmail.com, (626)453-2541	Ojinaga	CHIH	IH AQ	4/15/2014 17 months	$ 13,175.35 $ 13,175.35	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * A network of monitoring of PM10 fully functional. * Three training events for technical personnel * Development of a Communications Plan for air quality data through local media and information materials.
2	20260	2	Sustaining the Environment at the New Mexico-Chihuahua Border	New Mexico Environment Department Ms. Mary Rose Mary.Rose@state.nm.us	Columbus, Deming	NM	BD MC	11/4/2014 13 months	$ 36,953.43 $ 36,953.43	**Project Status:** This project concluded on December 2015. $63,037 dlls. were returned to the grant. Some of the project significant contributions were: * Completion of two presentations on health impacts and effective, low-cost methods for controlling blowing sand and soil. * Completion of four septic maintenance workshops * Organization of the largest ever water festival held in Columbus, NM.
3	20240	2	Comunidades Unidas en Prevencion de la Contaminacion Ambiental	Adult Youth United Development Association INC Olivia Figueroa Executive Director ayudaorg1@yahoo.com (915) 851-0272	Montana Vista, Cuadrilla, Tornillo	TX	BD AQ	5/1/2014 16 months	$ 49,776.41 $ 49,776.41	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * Training program outreach, 2,332 people *Identification of septic tanks with GIS, 467 houses *Surveys conducted, 462 *Creation of mapping and database in Cuadrilla, Montana Vista, Tornillo, and Valle Bonito at El Paso County
4	20262	3	Ysleta del Sur Pueblo Community Collection Center	Ysleta del Sur Pueblo Evaristo Cruz, ecruz@ydsp.nsn.gov (915)859-7913 ext 7755	El Paso	TX	IH MC	10/1/2014 18 months	$ 65,776.92 $ 65,776.92	**Project Status:** Project finished on April 2015. The main results of the project were: * Collection of a total of 250 tires. * 10,800 pounds of electronic waste collected. 42.35 lbs per household during a 14 month period an estimate of 1.4 lbs per household per month. * 5,420 pounds of recyclables collected. 21.25 lbs per household in a 14 month period an estimate of 4.3 lbs per household per month.
5	20247	3	Reciclaje de Biosolidos en Suelos Agricolas del Valle de Juarez, Chihuahua	Universidad Autónoma de Ciudad Juárez Dr. Juan Pedro Flores Margez Tels. 656-688-1800 ext. 1561, 1976 y 1671 Servicos Agropecuarios Paso del Norte, SC Lic. Ana Irene Flores Arras	Valle de Juárez Valle de Juárez	CHIH CHIH	IH AQ IH AQ	4/13/2014 19 months 4/13/2014 19 months	$ 28,329.78 $ 28,329.78 $ 8,406.38 $ 8,406.38	**Project Status:** The Project was concluded on December 2015. Some of the project significant contributions were: The project established a sustainable program on agricultural use of biosolids, through 15 demonstration hectares. Important outputs are: * Establish a program promoting the adoption by farmers on the use of biosolids on agricultural land. * A list of volunteer farmers to continue the application of biosolids on 100 hectares in 2015 * Three field demonstrations, educational materials for 150 producers and agricultural technicians in the region.

6	20245	Environmental Health	Urban Keyhole Gardens using Rain Water Harvesting Techniques	El Paso Water Utilities Anai I. Padilla El Paso Water Utilities Phone: 915.621.2000 Email: aipadilla@epwu.org	El Paso	TX	AH AQ	4/7/2015 13 months	$ 6,120.08 $ 6,120.08	**Project Status:** The project concluded on May 2015. Some of the project significant contributions were: 14 educational events, with a total of 955 attendees. The overall acceptance of the keyhole gardens, as a vegetable gardening option was well received by the public that attended the various workshops. Final report has been submitted and approved.
7	20250	Environmental Health	[illegible]	[illegible]	[illegible]	[illegible]	AH AQ	[illegible]	$ [illegible]	Project Status: [illegible]

$ 251,826.36
$ 208,750.36

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2012 - 2013 PROJECTS										
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20241	1	Characterizing Drayage Activities and Emissions in Laredo-Nuevo Laredo Airshed	Texas A&M Transportation Institute (TTI) Farzaneh, Reza Research Engineer m-farzaneh@tamu.edu (512) 407-1118	Laredo	TX	JH AQ	9/1/2014 18 months	$ 89,750.00 $ 89,750.00	**Project Status:** The project concluded on March 2016. Some of the project significant contributions were: Important air quality impacts of drayage trucks in the region; specifically, the results show that the Colombia bridge crossing is the most utilized port of entry in the region, and is associated with relatively high emissions caused by high truck volumes and slow speeds, therefore high emissions adjacent to urban area of both Laredos.
2	20258	2	Determining the Ideal Bioswale Material for South Texas Stormwater Management	The University of Texas Pan American Jungseok Ho, Ph.D., P.E. (956) 665-3104, hoj@utpa.edu	Edinburgh	TX	AH AQ	12/1/2014 24 months	$ 26,022.00 $ 23,434.15	**Project Status:** The Bioswale Material for South Texas Stormwater Management project concluded on March 2017. Results include that after monitoring rain fall from April 2015 to November 2016, of the five porous materials used in the different parking areas pumice is a hydrologically best performing material for the bioswale porous media.
3	20245	2	Conservación del Arroyo Las Vacas en Ciudad Acuña, Coahuila, Mexico	SECRETARIA DE MEDIO AMBIENTE DEL ESTADO DE COAHUILA Alejandra Carrera alejandra.carrera@semarnat.gob.mx (844) 4100014	Acuña	COAH	BD AQ	7/14/2014 22 months	$ 34,605.92 $ 34,605.92	**Project Status:** The project concluded on May 2016. Some of the project significant contributions are: a) Binational group created among SEMA Coahuila, TCEQ, Acuna City, Tec of Acuna, CILA, IBWC, UT Austin CONANP. b) Diagnostic Report with inventory data of existing vegetation and species along the 26km of the Acuña river, GIS maps accessible to the public. c) Close out of 35 wastewater illegal dumping sites in 2015. d) Reforestation with 225 native trees. e) Binational workshop on water quality with Tecnologico de Acuña and Texas A&M at Austin.
4	20246	3	Diagnóstico de generación de residuos en la región fronteriza norte	Secretaría de Desarrollo Sustentable, Gobierno del Estado de Nuevo León Lic. Norma Rangel Sevilla, normaarangel@gmail.com, (81)2033-1930	Sabinas Hidalgo, NL	NL	JH MC	4/1/2014 15 months	$ 17,457.39 $ 17,457.39	**Project Status:** This project concluded on August 2015. Some of the project significant contributions were: * Characterization of waste in the municipality * Generation of a manual on handling e-waste * Action plan developed
5	20243	3	Keeping Pharr Beautiful Starts at Home	City of Pharr, Public Works Department Grace Segovia, M.A. City of Pharr, Public Works Department Phone: (956) 402-4350 grace.segovia@pharr-tx.gov	Pharr	TX	AH AQ	4/7/2014 20 months	$ 19,830.86 $ 19,830.86	**Project Status:** This project concluded on December 2013. Some of the project significant contributions were: * The reduction in illegal dumping cases from 350 in 2013 to 100 in 2014. * The number of tires collected by city workers decreased from 4,991 in 2013 to 4,520 in 2014.

6	20255	3	Alamo Recycling TEAM Includes Everyone (ARTIE)	City of Alamo Melisa Gonzales Storm Water Manager Phone: 956-787-0006 x 140 mgonzales@alamotexas.org	Alamo	TX	AH AO	4/21/2014 24 months	$ $	54,438.00 54,836.16	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven sanitation model that can be easily replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implementation of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
7	20253	3	Manejo, Gestión y Control de Grasas y Aceites	Comisión Municipal de Agua Potable y Alcantarillado Marisela Flores floresmariela@hotmail.com (867) 712-5399	Nuevo Laredo	TAMPS	BD MC	6/3/2014 17 months	$ $	6,497.10 6,497.10	**Project Status:** This project concluded on February 2016. Some of the project significant contributions were: 449 establishments trained, giving them the necessary tools to establish procedures in its companies to raise their compliance, to strengthen the compromise among employees, creating a synergy with the operator body. 56 of these establishments will continue to be monitor by COMAPA to ensure environmental compliance and 13 establishments set up lats and oils traps. 86% of visited users comply with established procedures and are implementing the strategies presented in the workshops.
8	20252	Environmental Health	Promotora-Led Environmental Health Education for Children	La Amistad AHEC / Southwest Border AHEC Rose Martinez 830.758.1111 rose.martinez@swbahec.org	Eagle Pass	TX	AH MC	6/16/2014 17 months	$ $	69,043.50 69,043.50	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven Sanitation Model that can be successfully replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implementation of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
9	20251	Environmental Health	Planeación de un Modelo de Información de la frontera Texas/Mexico	El Colegio de la Frontera Norte, A.C. Dr. Felipe Javier Uribe Sala Tel. (878) 782 7207 Texas A&M HSC Dr. Gerry Carrillo Phone: 956.668.6371 gcarrillo@tamhsc.edu	Piedras Negras Piedras Negras	COAH COAH	BD MC BD MC	5/15/2014 18 months 5/15/2014 18 months	$ $ $ $	19,320.15 19,320.15 15,958.30 15,958.30	**Project Status:** The project concluded on April 2016. Some of the project significant contributions are: a) Identification of agencies who manage health information in the region. b) Organization of a working group to discuss the information on environment and health, among: TCEQ, COLEF, SEMA Coahuila, Texas A&M McAllen Campus. c) MOU agreement between Colef and SEMA Coahuila to share health information and define health indicators. d) Diagnostic report with the identification of sources of environmental information with health associated diseases.

10	20270	Environmental Health	McAllen-Mission-Pharr/Reynosa Hazards in Transportation Binational Training and Exercise	City of McAllen Juan Gloria (956)681-2540 jgloria@mcallen.net	McAllen	TX	BD	4/24/2015	$ 45,455.00	**Project Status:** The Project concluded on December 2015. Some of the project significant contributions were: * Update of the Regional Sister City Plan e-directory * Training on HAZMAT response on International border crossing on Sept. 2015.
							MC	5 months	$ 45,455.00	

	$	398,578.22
	$	395,898.53
Total Approved	$	650,404.58
Total Disbursed	$	604,648.89

Updated March 31, 2017

Project Id	Project Name
20240	Communities United in Prevention of Environmental Pollution
20241	Characterization of drayage activities and emissions in Laredo-Nuevo Laredo airshed
20243	Keeping Pharr Beautiful...Starts at Home
20245	Conservation Arroyo Las Vacas in Acuña, Coahuila, Mexico.
20246	Waste generation Diagnostic in the Noresat border region
20247	Biosolids Recycling in Agriculture in the Valle de Juarez
20248	Urban Keyhole Gardens using Rain Water Harvesting Techniques
20249	Improving the Monitoring of PM10 in Ojinaga
20251	Planning Model for an Environmental and Health Texas/Mexico Border Information Exchange Program
20252	Promotora-Led Environmental Health Education for Children, Eagle Pass, Texas
20253	Management of Fat, Oil and Grease in Nuevo Laredo
20255	Alamo's recycling solid waste systems improvements through a holistic approach.
20256	Tire Amnesty Collection Events in El Paso County
20257	Scrap Tire Collection Program, City of Pharr
20258	Determining the Ideal Bioswale Porous Material for South Texas Stormwater Management

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20260	Sustaining the Environment at the New Mexico-Chihuahua Border
20261	Play: El Moscas Y Los Pesticidas.
20262	Ysleta del Sur Pueblo Community Collection Center
20270	Hazardous Materials First Resppnders Binational Training
20271	Hazardous Railcar Leak Mitigation El Paso_Juarez_Dona Ana Region
20283	Workshop on Energy Efficiency in Public Lighting Systems in Tamaulipas
20285	Comprehensive management project of solid waste in Rio Bravo and Valle Hermoso, Tamaulipas
20286	Comprehensive management of electronic waste project in Piedras Negras and Eagle Pass, Texas
20287	Binational Tabletop and Functional Exercises between the cities of Harlingen and Matamoros
20288	Environmental services in well-managed rangelands of the Chihuahuan Desert
20290	The Rio Grande/Río Bravo Water Quality Initiative

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20291	Fat, Oil and Grease (FOG) Public Outreach Campaign
20293	Law Reform and Environmental Education in Nuevo Laredo
20294	Clean in up program at City of Pharr, Texas
20295	Electronic Waste Management project in Ciudad Acuna, Piedras Negras and Guerrero in Coahuila
20297	Decision Making Tool (DMTG) for Stormwater in The lower Rio Grande Valley in Texas
20298	Sewage sludge and biosolids Agricultural Soils project in the Valle de Juarez
20302	Green Infrastructure in Public Space on Valle del Sol Avenue
20303	Vivienda sustentable y resiliente area poniente en Ciudad Juárez, Chihuahua
20304	Comprenhensive program to improve Air Quality basins in Northen State of Chihuahua

Printed On: February 2, 2016

Project Description	Goal	Status
The purpose of the project is to implement a training program related to proper maintenance of septic tanks in the communities of Montana Vista, Cuadrilla and Valle Bonito in El Paso County Texas	Goal 2	Concluded
A detailed characterization of the activity of the trucks in the region of Laredo-Nuevo Laredo, provide an understanding of the regional activity of the trucks and their implications for air quality, responsible for state and local transportation agencies border and air quality. With this information, decision makers and planners can develop strategies and policies that address the needs of transportation and air quality in the region as a binational regional level. The data, methodologies and information generated by the project could potentially be used to characterize the activities of trucks in other locations along the border.	Goal 1	Concluded
Increase outreach and awareness surrounding illegal dumping, also help the cities beautification efforts by increasing volunteer opportunities and encouraging the labors of community cleanup programs such as Operation Clean Sweep.	Goal 3	Concluded
This project involves the conservation and recovery of Arroyo Las Vacas, this being a tributary of the Rio Grande river which crosses the border city of Acuna.	Goal 2	Concluded
Implement a comprehensive management plan for the management of hazardous solid waste, special handling waste in medium-sized communities in the northeastern state of Nuevo León	Goal 3	Concluded
To determine the effect of biosolids in soils' physical and chemical properties, the plant's agronomic response and the economic return due to reduction in the use of chemical fertilizers and soil and environmental improvements	Goal 3	Concluded
Demonstrate that urban landscapes can incorporate small scale intensive growing beds to grow a variety of plants using rainfall and runoff and very minimal supplemental irrigation.	Goal 2	Concluded
The project is to provide training and training of technical personnel in the municipality of Ojinaga in the operation of the monitoring network of air quality particulate	Goal 1	Concluded
The overall goal of this project is to develop the framework for a system, including processes in phases and specific steps, required for the development of a bi-national environmental and health tracking system.	Goal 2	Concluded
The promotora (community health worker) model will be used for reaching out to parents and care givers, school teachers and child care providers with the aim of improving environments in and around the home, school and childcare facility.	Goal 4	Concluded
Disseminate to all generators of fats and oils as well as proper disposal retainer cleaning grease traps and the consequences that brings pour fats and oils down the drain.	Goal 3	Concluded
Increase the volume of collected recyclables, create environmental stewardships through education, create an identifiable solid waste mascot, and bring together all identifiable stakeholders to bring about holistic change within the community.	Goal 3	Concluded
Hold 4 tire collection Events en El Paso County. Print and Distribute a Flyer on "How To Report Illegal Dumping"	Goal 3	Concluded
The City of Pharr will implement a scrap tire collection event during their monthly Operation "Clean Sweep", community clean up event.	Goal 3	Concluded
To evaluate performance of parking lot bioswale by comparing its stormwater discharges and solids against those of conventional parking lot with no bioswale,to develop the best performing bioswale mixture from the materials tested in the prototype bioswales.	Goal 2	Concluded

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1) Provide three (3) educational presentations to the public, one each in the border cities of Las Cruces, Columbus and Deming; 2)Provide four (4) educational workshops to septic system owners in underserved areas of Luna County; 3)Provide two (2) Knowledge Exchange events for Luna County, one each in Deming and Columbus, on water conservation; 4)Initiate planning efforts for updating the 2002 Columbus/Ascensión/Palomas Sister City Cross Border Contingency Plan	Goal 1	Concluded
As part of the Workers Protection Standard(WPS), EPA Region 6 developed a humorous and educational script (in Spanish) named "El Moscas y Los Pesticidas", consisting of several characters showing how farm workers and their families can prevent exposures to pesticides	Goal 3	Concluded
the project consists in a community collection center that will receive electronic waste (e-waste), household hazardous waste (HHW), used tires and recyclable material.	Goal 3	Concluded
The project objective is to strength the response capacity providing proper training and equipment to hazmat first responders in the areas of McAllen-Mission-Pharr-Reynosa. More than 100 hazardous-material carrying trucks travel through the ports of entry in South Texas. The McAllen Fire Department staff in conjunction with the Mission and Pharr Fire Departments will join forces to work together to update the emergency notification related to hazmat emergencies.	Goal 4	Concluded
The project will enhance the region's capability to mitigate hazardous railcar leaks. The project will involve one day training event, each community will receive kits to provide train the trainer sessions.	Goal 4	Concluded
Train at least 30 public officials from 10 municipalities with basic tools to achieve greater energy efficiency and that this is reflected in a decrease in the emission of greenhouse gases into the atmosphere and in turn into economic savings for municipal utilities	Goal 1	Concluded
The project consists in conduct a Basic Diagnosis on the Comprehensive Management of Municipal Solid Waste in the municipalities of Rio Bravo and Valle Hermoso	Goal 2	Concluded
The project consists of a program of environmental education and health to join efforts in collecting electrical and electronic solid waste in the city of Piedras Negras, Coahuila e Eagle Pass in Texas.	Goal 3	To conclud in September 2017
The City of Harlingen Fire Department, proposes to advance on Goal 4, Objective 2 by the implementation of a hazmat training, a tabletop, and a functional exercise. Proposed Scenario consists of a tanker trailer roll-over accident carrying a petro product spilling into Mexico waterways. The City of Harlingen presnts a sister city agreement since 2014 to support mutual emergency response aid. Project will involve partnering with first responders from Matamoros and Cameron County. The project will help to promote sustainability by practicing the last update of the sister contingency plan to evaluate its reliability.	Goal 4	Concluded
The Universidad Autonoma de Chihuahua, proposes to advance on Goal 1, objective 1 by the implementation of a sustainable solution to mitigate dust control in the areas of Ascension and Palomas in Chihuahua. The proposed solution is to implement a planned pasturage process to grow grassland. Project will implement a baseline monitoring system and training on recovery practices of 68,000 has.	Goal 1	In Progress
The University of Texas at Austin (UT), proposes to advance on Goal 2, Objective 3 by providing information to local binational stakeholders, about sources of water pollution to the Rio Grande and by gathering information from key stakeholders about potential local solutions to the river's water quality problems in the portion of the river between Falcon Dam and the Gulf of Mexico. The project proposes to organize 5 workshops and develop MOU among stakeholders.	Goal 2	In Progress

Printed On: February 2, 2016

The Brownsville Public Utilities Board, a government entity, proposes to advance on Goal 2, Objective 2 by implementing a public FOG campaign, targeting businesses with violations and reaching out to them. It will also provide education through community outreach and public awareness through 4 quarterly workshops. The grant will help leverage funds of $49,561 from the City.	Goal 2	Concluded
The Universidad Autónoma de Tamaulipas, proposes to advance on Goals 2, 3 and 5 by improving the implementation of environmental legislation, strengthen the environmental cooperation and exchange of information between Nuevo Laredo, Tamaulipas and Laredo, Texas, and train environmental inspectors and staff of the municipal environmental unit. The grant will help leverage funds with $5,500 from Universidad Autónoma of Tamaulipas.	Goal 5	In Progress
The project consists in educate City of Pharr residents on environmental sustainability and related proper solid waste disposal methods.	Goal 3	Concluded
Inform and educate residents about the benefits of reusing electronics; the need to practice responsible consumption, as well as the importance of giving an appropriate final destination for these wastes	Goal 4	Concluded
The project will promote specific research and educational topics emphasizing how green infrastructure strategies can be utilized to mitigate stormwater runoff.	Goal 2	In Progress
The project consists in establish a sustainable program that allows the proper disposal of biosolids on agricultural soils in the region.	Goal 3	In Progress
Using green infrastructure techniques establish passive rainwater harvesting systems on a community park in the intersection of Avenue Valle del Sol and Solares street, in Cd. Juarez Chihuahua.	Goal 2	In Progress
Identifying and including green building and infrastructure elements for progressive home building projects in low-income communities of the western area of Ciudad Juarez, The project will seek to identify and include technical assistance services to advance innovative mechanisms, tools, and products (technologies) for building resiliency in housing units. Additionally, t	Goal 2	In Progress
Establish measures for ProAire of the State of Chihuahua from carrying out thematic workshops with the participation of the federal, state and municipal government and the industrial, academic and social sectors.	Goal 1	Concluded

Printed On: February 2, 2016

State	Awarded Amount	RFP	Region
TX	$ 49,776.41	2013	R6
TX	$ 89,750.00	2013	R6
TX	$ 19,830.86	2013	R6
COAH	$ 44,200.00	2013	R6
COAH	$ 17,457.46	2013	R6
CHIH	$ 44,850.00	2013	R6
TX	$ 6,120.08	2013	R6
CHIH	$ 13,375.36	2013	R6
COAH	$ 39,875.00	2013	R6
TX	$ 69,083.50	2013	R6
TAMPS	$ 32,533.00	2013	R6
TX	$ 54,836.16	2013	R6
TX	$ 15,000.00	2013	R6
TX	$ 15,000.00	2013	R6
TX	$ 26,022.00	2013	R6

Printed On: February 2, 2016

NM	$ 36,963.43	2013	R6
NM	$ 20,000.00	2013	R6
TX	$ 66,470.00	2013	R6
TX	$ 45,455.00	2013	R6
TX	$ 30,000.00	2013	R6
TAMPS	$ 9,385.00	2015	R6
TAMPS	$ 20,866.00	2015	R6
COAH	$ 36,054.00	2015	R6
TX	$ 44,683.00	2015	R6
CHIH	$ 41,388.00	2015	R6
TX	58575	2015	R6

Printed On: February 2, 2016

TX	$ 25,000.00	2015	R6
TAMPS	$ 11,000.00	2015	R6
TX	$ 36,390.00	2015	R6
COAH	$ 16,777.20	2015	R6
TX	$ 38,885.00	2015	R6
CHIH	$ 48,510.00	2015	R6
CHIH	$ 43,204.00	2015	R6
CHIH	$ 50,000.00	2015	R6
CHIH	$ 25,000.00	TR2-2016	R6

Printed On: February 2, 2016

FOUR STATI				
Coop AGMT	PROJECT ID	B2020 GOAL	Name	Project Implementer Contact Information
X4-00F59501 (.934)	20258	2	**Determining the Ideal Bioswale Material for South Texas Stormwater Management**	The University of Texas Pan American Jungseok Ho, Ph.D., P.E. (956) 665-3104, hoj@utpa.edu
X4-00F92501 (.335)	20295	3	**Interagency coordination for the management of electronic and electrical waste in Ciudad Acuña and Piedras Negras, Coahuila**	Secretaría de Medio Ambiente del Estado de Coahuila de Zaragoza
	20297	2	**Decision Making Tool (DMT^{G}) for Determining LID Stormwater Detention in Bronwsville, Texas**	Texas A&M University-Kingsville
X4-01F04901 (.805)	20293	5	**Legislative Reform and Environmental Education, Nuevo Laredo, Tamaulipas.**	Universidad Autónoma de Tamaulipas en Nuevo Laredo.
	20286	3	**Comprehensive E-Waste Management in Piedras Negras, Coahuila and Eagle Pass, Texas.**	Grupo Ecológico Green Tec-Osos del Instituto Tecnológico de Piedras Negras
	20290	2	**The Rio Grande/Río Bravo Water Quality Initiative, Laredo Texas**	The University of Texas at Austin
	20291	2	**Fat, Oil and Grease (FOG) Public Outreach Campaign,**	Brownsville Public Utilities Board
	20294	3	**Let's Clean it Up and Green it Up, Pharr, Texas**	Recycling Center

E (TX-COAH-NL-TAMPS) BORDER 2020 PROJECTS

Project Location	State	Amount Approved
Edinburgh	**TEXAS**	**$26,022**
Cd. Acuna	**COAHUILA**	**$16,899**
Brownsville	**TEXAS**	**$38,885**
Nuevo Laredo	**TAMAULIPAS**	**$11,000**
Piedras Negras and Eagle Pass	**COAHUILA / TEXAS**	**$36,054**
Laredo	**TEXAS**	**$58,575**
Brownsville	**TEXAS**	**$25,000**
Pharr	**TEXAS**	**$36,390**

$248,825

STATUS
Project Status: Monitoring will continue and includes a comparison to theoretical calculation of runoff flow rate, comparison with the guidelines and criteria in South Texas, and comparison to independent testing of soil permeability. Project will conclude in the final quarter of 2016, final report is schedule for December 15.
Project Status: The third dissemination campaign was held for the collection of electrical and electronic waste; the campaign was carried out simultaneously in the participating municipalities. Approximately 10,370 kg of electronic waste were collected. Operation of a permanent collection center for used electronic waste in Piedras Negras is in place. Project has collected 57 tons more than the original 25 ton target.
Project Satus: Project sponsor has assured at least twelve (12) local governments are provided with information associated with this project, namely the introduction of the tool. Also assured workshops for continuing education credits for stormwater professionals to encourage attendance at these workshops. Project contract is under review with the new sponsor who is UTRGV.
Project Status: Review of the municipal environmental code and identification of opportunities for improvement. Work on logistics for a workshop between Laredo and Nuevo Laredo on two topics: climate change and environmental binational priorities
Project Status: Project sponsor is completing a material flow analysis and a waste electrical and electronic equipment life cycle analysis. An audiovisual production in Spanish for the town of Piedras Negras is finished. The sponsor is working with the city of Eagle Pass in the e-waste collection campaign's and educational campaign.
Project Status: Stakeholders list updated, and survey draft completed. Meetings will be performed in the first quarter of 2017.
Project Status: FOG workshops ads ran in the Brownsville Herald and El Nuevo Heraldo newspapers in English and Spanish on May 22nd and
Project Status: The city of Pharr promoted the month of November as Texas Recyclers month. It hosted a newspaper contest with all of Pharr's schools, and included a $500 scholarship for school recycling. The city's firefighters joined the efforts by promoting and participating in monthly cleanups. The project is expected to be finished by mid-April 2017.

TRI-STATE (TEXAS-CHI						
Coop Agmt	Project ID	Goal/ Fund. Stategy	Project Name	Project Implementer Contact Information	Project Location	STATE
X4-00F92501 (.335)	20298	3	**Sewage Sludge and Biosolids Agricultural Soils project in the Valle**	Universidad Autónoma de Cd. Juárez	Valle de Juarez	**CHIHUAHUA**
	20303	FS	**Healthy and Resilient Housing in west Ciudad Juarez, Chihuahua**	Federación Mexicana de Asociaciones Privadas de Salud y Desarrollo Comunitario, A.C.	Ciudad Juarez	**CHIHUAHUA**
	20302	FS	**Green Infrastructure in Public Space on Valle del Sol Avenue, Ciudad**	Instituto Tecnológico de Ciudad Juárez	Ciudad Juarez	**CHIHUAHUA**
X4-01F04901	20288	1	**Improvements to Environmental Services in Cattle Ranches via**	Universidad Autónoma de Chihuahua – Facultad de Zootecnia y Ecología	Ascension	**CHIHUAHUA**

HUAHUA-NEW ME
Amount Approved
$48,510
$50,000
$43,204
$41,388
$183,102

XICO) BORDER 2020 PROJECTS
STATUS
Project Status: District Councils meetings w/ Rural Development SAGARPA: information of costs of biosolids spreader was announced, preparation of material for courses and workshops, and attendees were given the proposal for the formation of the rural citizen commission for the use of biosolids . Workshop for government officials was held with the participation of 29 representatives. Next quarter tours to the WWTP and analysis of soil and biosolids
Project Status: The catalog with eco-technologies was developed, and the process for selecting the 20 homes were the eco-technologies will be implemented is under way.
Project Status: An educational and training seminar was given to neighbors. A census of the current status of the plants sowed was taken, resulting in an 85% survival rate. Currently the design for the informational signs is under development.
Project Status: In progress. Project delayed due to change of project sponsor, from the Autonomous University of Chihuahua to Texas A&M – Kingsville. First meeting with ranchers and collaborators complete; partial development of GIS uploaded, monitoring in progress.

Message

From: US-MX Border 2020 Program [border2020@epa.gov]
Sent: 7/23/2014 9:17:07 PM
To: Rincon, Carlos [rincon.carlos@epa.gov]
Subject: News from US - MX Border 2020 Program

July 2014

US - MX Border 2020 Program News

Noticias del Programa Ambiental Mexico-E.U.A. Frontera 2020

Border 2020 Meetings / Reuniones de Frontera 2020

July 31:
Texas-Coahuila-Nuevo Leon-Tamaulipas
Regional Workgroup Annual Public Meeting (San Antonio, Texas)

August 5: Texas-New Mexico-Chihuahua Regional Workgroup
Annual Public Meeting (El Paso, Texas)

September 3: California-Baja California Regional Workgroup Meeting (San Diego, California)

Border Partner Meetings / Reuniones de Socios Fronterizos

July 24: IBWC Citizen Forum: Upper Rio Grande (El Paso, Texas)

September 10: Colorado River Citizen Forum (Location: TBA)

September 18: Southeast Arizona Citizen Forum (Location: TBA)

Public Comments / Consulta Pública

Proposal for BECC/NADB Merger

Propuesta de Integracion Institucional de la COCEF Y del BDAN

Funding Opportunities / Oportunidades de Financiamento

Training and Technical Assistance to Improve Water Quality and Enable Small Public Water Systems to Provide Safe Drinking Water

National Priorities: Systems-Based Strategies to Improve The Nation's Ability to Plan And Respond to Water Scarcity and Drought Due to Climate Change

Air Pollution Monitoring for Communities

AIR, CLIMATE AND ENERGY (ACE) CENTERS: SCIENCE SUPPORTING SOLUTIONS

National Clean Diesel Funding Assistance Program, FY 2014 Tribal Request for Proposals

Other EPA Funding

USDA Rural Development Grants

Grants.gov

Quick Links

SEMARNAT: Frontera 2020

Region 6 Calendar

Region 9 Calendar

Border Environmental Cooperation Commission

US-MX Border Health Commission

Border 2020 Framework: English Spanish

Border 2020 Video: English Spanish

Webinars / Seminario Web

Border 2020: Electronic Waste R2 Solutions Certification Program (Archived)

EPA: Healthy School Environments

EPA: Green Power Partnership

Border 2020 Subscription

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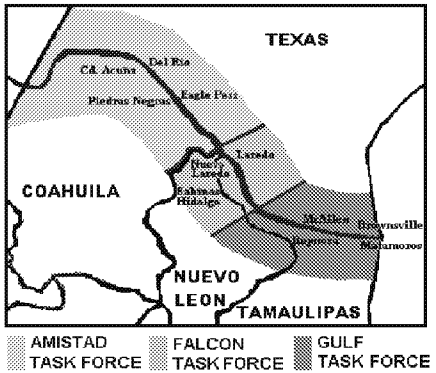
US - MX Border 2020 Program | 4050 Rio Bravo | Suite 100 | El Paso | TX | 79902

BORDER 2020
2015-2016 Action Plan
TX-COAH-TAMP-NL Regional Workgroup
September 2015



The **Four-State Regional Workgroup** is the most complex of the four regional workgroups, because of its geographical extension and the number of municipalities. The region includes parts of three states and a total of at least 29 municipalities on the Mexican side, and 168 cities and towns on the U.S. side. Recognizing this, the workgroup divided itself into three geographically-based Task Forces—Amistad, Falcon, and Gulf, each of which has established subject-specific committees related to its priority concerns.

During the first half of 2015, the three task forces held meetings to discuss initial priorities for the 2015-2016 Action Plan. Several conference calls with leaders were held in June 2015 to develop a consensus of priorities at the task force and regional workgroup levels.

Border 2020 has five goals and the regional work groups propose projects to implement these goals. These projects are tracked in two-year revolving work plans. The 2015-2016 version is the second of its kind. Several projects have been carried over from the 2013-2014 Action Plan. Due to consensus by the Four State Workgroup, a sixth goal for health and education projects was included. Projects are organized by Border 2020 goals and objectives.

Regional Priorities

1. Improve air quality through the following approaches:
    a. Increase energy efficiency at the consumption level and the use of renewable energy at all appropriate levels
    b. Analyze emissions and emission sources in specific air sheds
    c. A study on the possible health effects caused by climate change

2. Improve water quality by taking the following actions:
    a. Evaluate the Rio Grande watershed in the region
    b. Establish enforcement programs to prevent pollution on water bodies on the Mexican side
    c. Improve water infrastructure as it pertains to treatment systems and distribution in rural areas

3. Address problems of improper waste disposal:

4. Assist communities to build capacity for waste streams: by implementing recycling, household hazardous waste and electronic waste collection and disposal programs and develop comprehensive plans for scrap tire disposal and alternative markets

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5. Expand environmental education related to waste issues

6. Enhance Joint Preparedness for Environmental Response
    a. Provide HAZMAT training to local first responders to reduce exposure to chemicals as a result of accidental chemical releases and/or spills in the.
    b. Coordinate emergency preparedness response table top exercise or field exercises.

7. Develop a certified environmental health curriculum to train border community health workers and promotoras on lead, mercury, pesticides, and other heavy metals

Individual Task Force Priorities

Amistad Task Force

1. Generate plans to mitigate the impacts of climate change in Coahuila
2. Establish air quality monitoring stations and exchange data with Texas
3. Develop a database to measure emissions of hydraulic fracturing operations in Coahuila
4. Increased use of alternate and renewable energy sources (such as landfill gas and solar energy)
5. Develop water conservation and reuse programs for irrigation in Coahuila
6. Establish waste management programs in ten municipalities in Coahuila (including used electronics, household hazardous waste management and recycling)
7. Develop and promote scrap tire, recycling and solid waste management programs on the Kickapoo Reservation

Falcon Task Force

1. Conduct a study on the use of methane gas for energy generation in landfills
2. Monitoring of drilling operations in the Eagle Ford Shale and on the Mexican side
3. Finalizing the cross-border contingency plan
4. Generate studies and projects for water reuse and conservation
5. Develop adequate management, alternative markets(such as tire cutters) and ordinances for scrap tires
6. Establish used electronics and household hazardous waste programs in municipalities in the Falcon Task Force
7. Develop a diagnostic study on the generation and alternative markets for construction waste in the Falcon Task Force
8. Develop a workshop on best practices related to public health and environmental education indicators

Gulf Task Force

1. Outreach programs to improve energy efficiency
2. Educate the community on how to improve water quality
3. Improve or develop Industrial Pretreatment, Fats, Oil & Grease Management and Storm Water Programs.
4. Increase environmental awareness and responsibility with regard to solid waste and water related health effects in city residents, rural communities and colonias
5. Healthy Homes training for promotoras along the GTF' US-MX border

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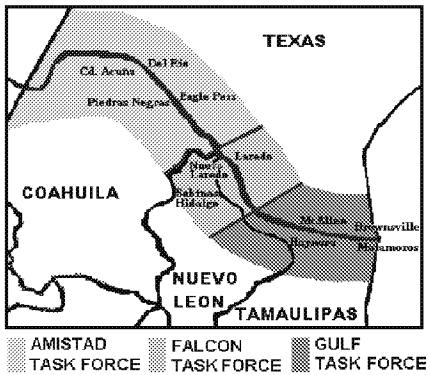
Border 2020

2015-2016 Action Plan Grid
Four-State Regional Workgroup

Legend:

- Activity covers at least two task force areas
- Gulf Task Force
- Falcon Task Force
- Amistad Task Force



Goal # 3: Promote Materials Management, Waste Management, and Clean Sites

Project N°	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact(s)	2015-2016 Target	Progress Towards Target
Objective 1: By 2020, increase local and state-level knowledge and experience in the area of sustainable material management practices.							
3.1.01	**Environmental Education Program Nuevo Laredo** Establish an environmental organization to develop environmental awareness and clean-up programs in Nuevo Laredo in affiliation with Keep America Beautiful.	Keep Laredo Beautiful, Keep America Beautiful, and the Municipality of Nuevo Laredo		City of Laredo Environmental Services local partners, and Keep America Beautiful	Lynne Nava, Keep Laredo Beautiful, lnava1@ci.laredo.tx.us 956-794-1650	Establish an environmental organization affiliated with Keep America Beautiful by 2016.	Keep Laredo Beautiful will be meeting with officials of the Technological University of Nuevo Laredo in August to discuss the project and inquire about their interest in establishing an environmental organization through Keep America Beautiful. Keep Laredo Beautiful has committed to pay

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							membership fees for one year for the organization to be affiliated with Keep America Beautiful.
3.1.02	**Characterization Municipal Solid Waste Stream & Diagnosis Regarding Generation/Management of Waste** Study and characterize the municipal solid waste stream in Sabinas Hidalgo, Nuevo León. Analyze the generation of solid and "special management" of waste in six border municipalities in Nuevo León.	SDS Nuevo León and Municipio of Sabinas Hidalgo, Nuevo León	$47,000 US Dollar	Border 2020, BECC	Norma Rangel Sevilla, SDS, Nuevo León, normaarangel@gmail.com 0115281 20 33-19-38	Analyze the generation of solid and "special management" of six border municipalities and characterize the solid waste stream in Sabinas. Complete the study in 2015.	Project completed. The study was finalized in June 2015. More details of the study will be provided at a later date.
3.1.03	**Operation of an Electronic and Household Hazardous Waste Stockpile Center**	Municipality of Nuevo Laredo, Tamaulipas	$3.626 Million Pesos MX	Municipality of Nuevo Laredo, Tamaulipas	Arq. Carlos de Anda Secretario de Obras Públicas, Desarrollo Urbano y Medio Ambiente, cdeandah@hotmail.com	Develop a municipal infrastructure for stockpiling, managing, and disposing of electronic and hazardous waste.	The installations are finished. Only authorization from SEMARNAT is needed for operation, which is underway. It is possible for operations to commence in the last trimester of the year.
3.1.04	**Environmental Code for the Disposal of Construction Waste**	Municipality of Nuevo Laredo, Tamaulipas	The project is funded through money paid by residents for the management and processing of waste.	Municipality of Nuevo Laredo, Tamaulipas	Arq. Carlos de Anda Secretariat of Public Works, Urban Development & the Environment, cdeandah@hotmail.com	Generate an alternative for the community for the disposal of construction waste and mitigate clandestine dumping.	This project has operated continually and generated an important impact to the community. 123 pesos per cubic meter are paid when the waste is no greater than 2 cubic meters. If it is three to ten cubic meters the service cost 88 pesos. If it exceeds 10 cubic meters, in order to leave the program, 100

							pesos are charged per cubic meter.
3.1.05	**Clean-up Campaign Keep Pharr Beautiful** Support monthly cleanup program Keep Pharr Beautiful with strong public outreach.	Public Works Department, City of Pharr	$20,000 US Dollar	Border 2020	Grace Gonzalez, Pharr Public Works Department, grace.gonzales@pharr-tx.gov	Reduce illegal dumping in residential and industrial sectors and encourage residents to take responsibility for the beatification of their communities.	The project has ended and the majority of their objectives were attained. Various public awareness events monthly clean-ups were organized. A workshop was organized for the community about the reduction of clandestine dumping. The City plans to continue clean-up campaigns and environmental education activities.
3.1.06	**Alamo's Recycling TEAM Includes Everyone** Implement the Alamo's Recycling TEAM Includes Everyone (ARTIE) Project, which strives to enhance the management of solid waste in the city.	City of Alamo	$54,838 US Dollar	Border 2020	Melissa Gonzales, City of Alamo	Increase recycling efforts by at least 25%, increase awareness of non-point pollution and solutions and establish partnerships that will promote environmental stewardship.	Various presentations were organized in 12 different locations in different schools that reached 700 students. Bilingual signs about not littering were posted.
3.1.07	**Clean-up of Urban Solid Waste Disposal Site in Guerrero Tamaulipas**	SEDUMA, Municipio de Guerrero, Tamaulipas	$3.169 Millones Pesos MX	SEMARNAT PEF 2015	Dra. Silvia Casas González, SEDUMA, silvia.casas757@gmail.com	Legalize and encourage compliance to NOM-083-SEMARNAT-2003, referring to the closing of disposal sites.	Project was certified by SEMARNAT and the documentation regarding adjudication of resources is in progress.

3.1.08	**Construction and Equipping of the First Phase of Type A Landfill in Río Bravo, Tamaulipas**	SEDUMA, Municipio de Río Bravo, Tamaulipas	$19.359 Millones Pesos MX	SEMARNAT PEF 2015	Dra. Silvia Casas González, SEDUMA, silvia.casas757@gmail.com	Have adequate modern infrastructure for the final disposal of urban solid waste.	Project was certified by SEMARNAT and the documentation regarding adjudication of resources is in progress.
3.1.09	**Construction and Equipping of Type A Landfill in the Coal Deposit Region**	SEMA, SEMARNAT, Municipalities of Múzquiz y Sabinas	$25 Millones Pesos MX	SEMARNAT PEF 2015	Oscar Flores, SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	Conduct land studies. Under analysis before request for bids.
3.1.10	**Construction and Equipping of Inter-municipal Landfill in the Municipalities of Juarez and Progreso, Coahuila**	SEMA, Municipality of Juárez y Progreso	$8 Millones Pesos MX	PEMEX Hydrocarbon Fund	Oscar Flores, SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	Under analysis before request for bids.
3.1.11	**Construction and Equipping of Urban Solid Waste Residual Stations in the Municipality of Múzquiz, Coahuila**	SEMA, Municipio de Múzquiz	$8 Millones Pesos MX	PEMEX Hydrocarbon Fund	Oscar Flores, SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	Under analysis before request for bids.
3.1.12	**RECOLECTRÓN Program** Recollection program for electronic waste within the municipalities.	SEMA, Municipalities Acuña, Allende, Nava y Sabinas	$2 Million Pesos MX	SEMA	Griselda Salas Alemán, SEMA, griselda.salas@sema.gob.mx	In 2015 collect 44.91 tons of waste. In 2016 collect 56.14 tons of waste.	To date 44.89 tons of waste has been collected.
3.1.13	**Responsible Disposal of Tires**	Municipality of Acuña, Coahuila	$12,000 US Dollar	Municipio de Acuña Coahuila	Biol. Carlos Alejandro Flores Diego, Director of Ecology,	Develop a municipal infrastructure for	There is a regulatory framework that regulates management and a program underway for

	Operation of a scrap tire disposal center. Utilizing three cuts volume and the accumulation of water which are breeding grounds for mosquitos (vectors for dengue fever) are reduced.				floresdiegocarlos@yahoo.com.mx	stockpiling, managing, and disposing of scrap tires.	stockpiling, but an infrastructure is required for final disposal.
3.1.14	**Disposal of Electronic and Hazardous Waste** Create a stockpile center for the special management of waste, in which	Municipality of Acuña, Coahuila	$12,500 US Dollar	Municipality of Acuña Coahuila.	Biol. Carlos Alejandro Flores Diego, Director de Ecología, floresdiegocarlos@yahoo.com.mx	Develop a municipal infrastructure for stockpiling, managing, and disposing of electronic and hazardous waste.	The regulatory framework was approved as well as an alteration to municipal regulations regarding the environment to approve an operating license for 6 months and certification of training workshops. Partnership with CECART#197 for certification.
3.1.15	**Scrap-Tire Management Program** Design and implement a state scrap-tire management program that includes valuation.	SEDUMA Tamaulipas	$ 400 Million Pesos MX	SEDUMA, SEMARNA, EPA	Biol. Jorge García, jgarciah@tamaulipas.gob.mx 834 1078291	Work with cities located on the northern border of the State to regulate a temporary stockpile system for used tires.	The State authorized the business, ECONEU of Reynosa, to operate the Recycle Plant and Scrap Tire Processor, of which they anticipate to break down 100,000 scrap tires annually.

BORDER 2020
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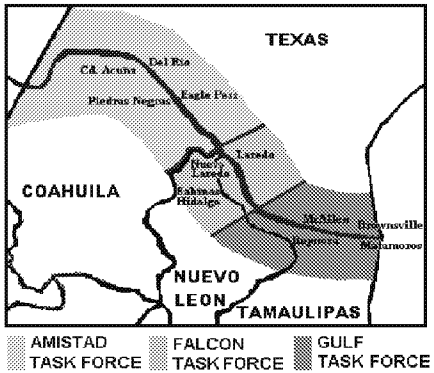
TX-COAH-TAMP-NL Regional Workgroup
September 2015



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5. Develop water conservation and reuse programs for irrigation in Coahuila
6. Establish waste management programs in ten municipalities in Coahuila (including used electronics, household hazardous waste management and recycling)
7. Develop and promote scrap tire, recycling and solid waste management programs on the Kickapoo Reservation

Falcon Task Force

1. Conduct a study on the use of methane gas for energy generation in landfills
2. Monitoring of drilling operations in the Eagle Ford Shale and on the Mexican side
3. Finalizing the cross-border contingency plan
4. Generate studies and projects for water reuse and conservation
5. Develop adequate management, alternative markets(such as tire cutters) and ordinances for scrap tires
6. Establish used electronics and household hazardous waste programs in municipalities in the Falcon Task Force
7. Develop a diagnostic study on the generation and alternative markets for construction waste in the Falcon Task Force
8. Develop a workshop on best practices related to public health and environmental education indicators

Gulf Task Force

1. Outreach programs to improve energy efficiency
2. Educate the community on how to improve water quality
3. Improve or develop Industrial Pretreatment, Fats, Oil & Grease Management and Storm Water Programs.
4. Increase environmental awareness and responsibility with regard to solid waste and water related health effects in city residents, rural communities and colonias
5. Healthy Homes training for promotoras along the GTF' US-MX border

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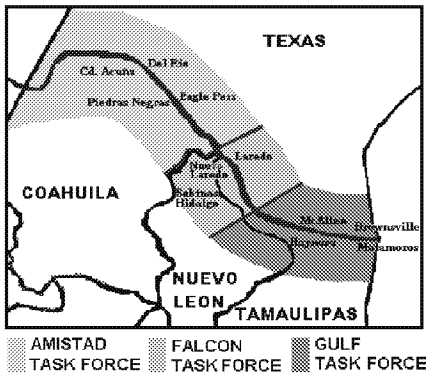
Border 2020

2015-2016 Action Plan Grid
Four-State Regional Workgroup

Legend:

- Activity covers at least two task force areas
- Gulf Task Force
- Falcon Task Force
- Amistad Task Force



Goal # 3: Promote Materials Management, Waste Management, and Clean Sites

Project N°	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact(s)	2015-2016 Target	Progress Towards Target
Objective 1: By 2020, increase local and state-level knowledge and experience in the area of sustainable material management practices.							
3.1.01	**Environmental Education Program Nuevo Laredo** Establish an environmental organization to develop environmental awareness and clean-up programs in Nuevo Laredo in affiliation with Keep America Beautiful.	Keep Laredo Beautiful, Keep America Beautiful, and the Municipality of Nuevo Laredo		City of Laredo Environmental Services local partners, and Keep America Beautiful	Lynne Nava, Keep Laredo Beautiful, lnava1@ci.laredo.tx.us 956-794-1650	Establish an environmental organization affiliated with Keep America Beautiful by 2016.	Keep Laredo Beautiful will be meeting with officials of the Technological University of Nuevo Laredo in August to discuss the project and inquire about their interest in establishing an environmental organization through Keep America Beautiful. Keep Laredo Beautiful has committed to pay

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							membership fees for one year for the organization to be affiliated with Keep America Beautiful.
3.1.02	**Characterization Municipal Solid Waste Stream & Diagnosis Regarding Generation/Management of Waste** Study and characterize the municipal solid waste stream in Sabinas Hidalgo, Nuevo León. Analyze the generation of solid and "special management" of waste in six border municipalities in Nuevo León.	SDS Nuevo León and Municipio of Sabinas Hidalgo, Nuevo León	$47,000 US Dollar	Border 2020, BECC	Norma Rangel Sevilla, SDS, Nuevo León, normaarangel@gmail.com 0115281 20 33-19-38	Analyze the generation of solid and "special management" of six border municipalities and characterize the solid waste stream in Sabinas. Complete the study in 2015.	Project completed. The study was finalized in June 2015. More details of the study will be provided at a later date.
3.1.03	**Operation of an Electronic and Household Hazardous Waste Stockpile Center**	Municipality of Nuevo Laredo, Tamaulipas	$3.626 Million Pesos MX	Municipality of Nuevo Laredo, Tamaulipas	Arq. Carlos de Anda Secretario de Obras Públicas, Desarrollo Urbano y Medio Ambiente, cdeandah@hotmail.com	Develop a municipal infrastructure for stockpiling, managing, and disposing of electronic and hazardous waste.	The installations are finished. Only authorization from SEMARNAT is needed for operation, which is underway. It is possible for operations to commence in the last trimester of the year.
3.1.04	**Environmental Code for the Disposal of Construction Waste**	Municipality of Nuevo Laredo, Tamaulipas	The project is funded through money paid by residents for the management and processing of waste.	Municipality of Nuevo Laredo, Tamaulipas	Arq. Carlos de Anda Secretariat of Public Works, Urban Development & the Environment, cdeandah@hotmail.com	Generate an alternative for the community for the disposal of construction waste and mitigate clandestine dumping.	This project has operated continually and generated an important impact to the community. 123 pesos per cubic meter are paid when the waste is no greater than 2 cubic meters. If it is three to ten cubic meters the service cost 88 pesos. If it exceeds 10 cubic meters, in order to leave the program, 100

							pesos are charged per cubic meter.
3.1.05	**Clean-up Campaign Keep Pharr Beautiful** Support monthly cleanup program Keep Pharr Beautiful with strong public outreach.	Public Works Department, City of Pharr	$20,000 US Dollar	Border 2020	Grace Gonzalez, Pharr Public Works Department, grace.gonzales@pharr-tx.gov	Reduce illegal dumping in residential and industrial sectors and encourage residents to take responsibility for the beatification of their communities.	The project has ended and the majority of their objectives were attained. Various public awareness events monthly clean-ups were organized. A workshop was organized for the community about the reduction of clandestine dumping. The City plans to continue clean-up campaigns and environmental education activities.
3.1.06	**Alamo's Recycling TEAM Includes Everyone** Implement the Alamo's Recycling TEAM Includes Everyone (ARTIE) Project, which strives to enhance the management of solid waste in the city.	City of Alamo	$54,838 US Dollar	Border 2020	Melissa Gonzales, City of Alamo	Increase recycling efforts by at least 25%, increase awareness of non-point pollution and solutions and establish partnerships that will promote environmental stewardship.	Various presentations were organized in 12 different locations in different schools that reached 700 students. Bilingual signs about not littering were posted.
3.1.07	**Clean-up of Urban Solid Waste Disposal Site in Guerrero Tamaulipas**	SEDUMA, Municipio de Guerrero, Tamaulipas	$3.169 Millones Pesos MX	SEMARNAT PEF 2015	Dra. Silvia Casas González, SEDUMA, silvia.casas757@gmail.com	Legalize and encourage compliance to NOM-083-SEMARNAT-2003, referring to the closing of disposal sites.	Project was certified by SEMARNAT and the documentation regarding adjudication of resources is in progress.

3.1.08	**Construction and Equipping of the First Phase of Type A Landfill in Río Bravo, Tamaulipas**	SEDUMA, Municipio de Río Bravo, Tamaulipas	$19.359 Millones Pesos MX	SEMARNAT PEF 2015	Dra. Silvia Casas González, SEDUMA, silvia.casas757@gmail.com	Have adequate modern infrastructure for the final disposal of urban solid waste.	Project was certified by SEMARNAT and the documentation regarding adjudication of resources is in progress.
3.1.09	**Construction and Equipping of Type A Landfill in the Coal Deposit Region**	SEMA, SEMARNAT, Municipalities of Múzquiz y Sabinas	$25 Millones Pesos MX	SEMARNAT PEF 2015	Oscar Flores, SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	Conduct land studies. Under analysis before request for bids.
3.1.10	**Construction and Equipping of Inter-municipal Landfill in the Municipalities of Juarez and Progreso, Coahuila**	SEMA, Municipality of Juárez y Progreso	$8 Millones Pesos MX	PEMEX Hydrocarbon Fund	Oscar Flores, SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	Under analysis before request for bids.
3.1.11	**Construction and Equipping of Urban Solid Waste Residual Stations in the Municipality of Múzquiz, Coahuila**	SEMA, Municipio de Múzquiz	$8 Millones Pesos MX	PEMEX Hydrocarbon Fund	Oscar Flores, SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	Under analysis before request for bids.
3.1.12	**RECOLECTRÓN Program** Recollection program for electronic waste within the municipalities.	SEMA, Municipalities Acuña, Allende, Nava y Sabinas	$2 Million Pesos MX	SEMA	Griselda Salas Alemán, SEMA, griselda.salas@sema.gob.mx	In 2015 collect 44.91 tons of waste. In 2016 collect 56.14 tons of waste.	To date 44.89 tons of waste has been collected.
3.1.13	**Responsible Disposal of Tires**	Municipality of Acuña, Coahuila	$12,000 US Dollar	Municipio de Acuña Coahuila	Biol. Carlos Alejandro Flores Diego, Director of Ecology,	Develop a municipal infrastructure for	There is a regulatory framework that regulates management and a program underway for

	Operation of a scrap tire disposal center. Utilizing three cuts volume and the accumulation of water which are breeding grounds for mosquitos (vectors for dengue fever) are reduced.				floresdiegocarlos@yahoo.com.mx	stockpiling, managing, and disposing of scrap tires.	stockpiling, but an infrastructure is required for final disposal.
3.1.14	**Disposal of Electronic and Hazardous Waste** Create a stockpile center for the special management of waste, in which	Municipality of Acuña, Coahuila	$12,500 US Dollar	Municipality of Acuña Coahuila.	Biol. Carlos Alejandro Flores Diego, Director de Ecología, floresdiegocarlos@yahoo.com.mx	Develop a municipal infrastructure for stockpiling, managing, and disposing of electronic and hazardous waste.	The regulatory framework was approved as well as an alteration to municipal regulations regarding the environment to approve an operating license for 6 months and certification of training workshops. Partnership with CECART#197 for certification.
3.1.15	**Scrap-Tire Management Program** Design and implement a state scrap-tire management program that includes valuation.	SEDUMA Tamaulipas	$ 400 Million Pesos MX	SEDUMA, SEMARNA, EPA	Biol. Jorge García, jgarciah@tamaulipas.gob.mx 834 1078291	Work with cities located on the northern border of the State to regulate a temporary stockpile system for used tires.	The State authorized the business, ECONEU of Reynosa, to operate the Recycle Plant and Scrap Tire Processor, of which they anticipate to break down 100,000 scrap tires annually.

Protecting the Environment and Public Health

IN THE U.S.–MEXICO BORDER REGION

BORDER 2020
FRONTERA 2020

Overcoming Binational Environmental Challenges

The U.S.-Mexico border region is home to over 15 million people who share natural resources, watersheds, and air basins that transcend political boundaries. Binational pollution impacts both sides of the border and necessitates a coordinated response. To improve and protect the environment and public health, the La Paz Agreement was signed by the Governments of Mexico and the United States in 1983, thus providing the foundation for cooperative efforts to address the complex and intertwined environmental issues along the U.S.-Mexico border.

Opening ceremony of the Border 2020 Program at Tijuana, Baja California, on August 8th, 2012

A Diverse U.S.-Mexico Border Region

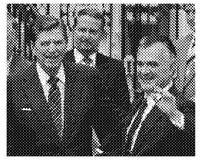
- **15 million+** people borderwide
- **26** federally recognized U.S. tribes
- **6** national parks
- **4** high priority river basins
- **40+** U.S. counties and **80** MX municipalities
- **4** transboundary rivers into the U.S.
- **2,000** mile shared border

TIMELINE

Building from the La Paz Agreement, U.S. EPA and Mexico's SEMARNAT have implemented four successive binational programs to meet emerging environmental challenges in this dynamic region. Along the entire border, key stakeholders such as the 10 states, 26 federally recognized tribes and local partners have provided leadership and additional funding to implement projects that advance environmental protection and public health improvements while the population and economic activity have increased.

1983

The Basis for Binational Cooperation — La Paz Agreement



President Reagan of the U.S. and President de la Madrid of Mexico sign the La Paz Agreement

Recognizing the need to cooperate binationally on environmental and public health challenges in the border region, the Governments of the United States and Mexico signed the Agreement on Cooperation for the Protection and Improvement of the Environment in the Border Area (the La Paz Agreement), in the city of La Paz, Baja California Sur, Mexico, in 1983.

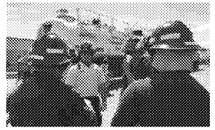
1992

Integrated Border Environmental Plan (IBEP)

The first binational border program, IBEP, focused on enhanced environmental regulation and resulted in significant investments in infrastructure along the border. Although the binational environment improved, many projects were implemented at a federal scale, and the Program recognized the need to address environmental and health concerns on the border with more local involvement.

1996

Border XXI



Local emergency response sister-cities were developed

Border XXI established a five-year bilateral effort which included additional federal partners to achieve its goals, engaged the 10 border states and U.S. tribes, and included over 40 public meetings to solicit input and identify local priorities. Border XXI established nine borderwide workgroups to address transboundary environmental issues. While the workgoups implemented many pilot projects benefitting communities, the Program objectives remained broad in nature.

2003

Border 2012

Partnership with U.S. tribe and Necua Indigenous Community on waste management

The Border 2012 Program set an ambitious ten-year plan that included specific and measurable environmental goals and objectives developed through public input. The Program took a bottom-up approach that continued engagement of state, tribal and local communities and operated through four new regional workgroups and numerous local taskforces to implement stakeholder-led projects.

2012

Border 2020

Improving water infrastructure in the Tijuana-San Diego region

Border 2020 continues a bottom-up approach and tackles emerging environmental issues. Program goals were established binationally and seek to improve air and water quality, reduce waste, strengthen emergency preparation and response, promote environmental stewardship and address environmental health. These goals directly align with U.S. EPA's core programs, local priorities, and the original mandate from the La Paz Agreement to address the complex and on-going regional environmental challenges.

Overcoming Binational Environmental Challenges

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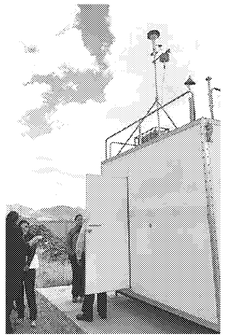
Protecting Communities Borderwide

Improving the Air We Share

Many U.S.-Mexico border cities share binational air basins, where pollutants such as particulate matter (PM_{10}, $PM_{2.5}$) and ozone and its precursors (NO_x and VOC) travel across borders. Exposure to these pollutants can affect our hearts and lungs, triggering a variety of health problems, particularly to vulnerable populations with asthma. In the border region, ozone is problematic in the San Diego and Imperial Valley, California air basins while PM is a key concern in the El Paso, Texas air basin and Imperial Valley, CA.



Air quality monitoring inspection in San-Diego-Tijuana Border Region

In response, local binational task forces formed to coordinate and implement solutions such as improving and/or expanding monitoring networks, increasing data availability, and expanding public outreach, while states on both sides of the border identify mitigation strategies in air quality improvement plans (State Implementation Plans in the U.S. and ProAire plans in Mexico).

The border region has reduced emissions at ports-of-entry by reducing wait times for idling vehicles, and paving dusty roads and improving urban transport borderwide have resulted in the elimination of 170,000 tons per year of PM_{10}. Air monitoring from 2006 -2014 identified a decline in ozone exceedances in the San Diego and Imperial Valley air basins and PM exceedances in the El Paso air basin.

Groundbreaking ceremony of water system improvements in Anthony, New Mexico

Enhancing Water Quality

The U.S.-Mexico border region shares numerous transboundary watersheds, with many rivers flowing from Mexico into the U.S., or forming the U.S.-Mexico Border. Four have been identified as high-priority. Untreated wastewater is an environmental health challenge when outdated infrastructure and extreme weather events result in sewage overflows and contaminated stormwater entering these transboundary waterways.

Since 1997, the Border Water Infrastructure Program (BWIP) and binational program partners have supported the construction and/or expansion of infrastructure projects that are eliminating over 350 million gallons a day (mgd) of untreated or inadequately treated sewage discharges.

The Border Program also carries out trash cleanup and waste reduction efforts to address illegal dumping that contaminates transboundary waterways and the Pacific Ocean. To protect existing infrastructure, the Program partners with local businesses in Texas, Arizona and Tamaulipas to properly dispose of Fats, Oils and Grease (FOGs). Green infrastructure projects and trainings in Ambos Nogales reduced impacts from stormwater runoff into the Nogales Wash and the Santa Cruz River in Arizona. Lastly, more than 1,000 community members and municipal staff in southern New Mexico and west Texas received training on the health threats posed by improperly maintained septic tanks.

Household hazardous collection event in Nuevo Laredo, Tamaulipas, Mexico

Ojinaga, Chihuahua Responders received HAZMAT training and equipment (2012)

Promoting Clean Land

When waste materials are improperly disposed of, they can negatively impact our lands, transboundary watersheds and oceans and create habitat for disease-bearing vectors. As the population has grown in border communities, increased amounts of plastics, electronics, tires and other materials have overburdened the waste management infrastructure and services.

The Border Programs have improved collaboration among binational stakeholders to reduce waste through: 1) mitigating the impacts of plastic, tires, and other waste through cleanups and educational outreach and community actions; 2) reducing waste and increasing recovery and reuse of plastic, e-waste, tires, and other materials; and 3) building technical capacity among diverse stakeholders to adopt sustainable materials management practices.

Since 2005, communities in the U.S.-Mexico border region have carried out projects to properly dispose: over 8 million scrap tires, nearly 60,000 tons of household hazardous waste, and 264 tons of electronic waste.

Strengthening Emergency Response Capability

Binational emergency preparedness and response coordination is critical in the border region, because toxic smoke, contaminated water and other impacts from disasters and incidents pay no heed to local, state or international boundaries. Emergency preparedness efforts — training, exercises, equipment — have been tested in real-life emergencies and led to a more efficient coordinated response along the U.S.-Mexico border. Joint Response Teams (JRT) support these efforts and ensure timely binational reporting of incidents.

Through the Border Program since 2013, more than 10,500 responders have received capacity trainings from over 140 training courses and over 25 binational exercises and 200 drill notifications between the U.S. and Mexico. These actions and resources have made the border region safer for residents, first responders and the environment.

Fostering Environmental Stewardship

Improperly managing hazardous materials can pose transboundary environmental health issues. Challenges such as illegal or improper crossing of hazardous wastes and material at the U.S.-Mexico port-of-entries and the lack of community information on pollutant sources has called for improved enforcement efforts, compliance assistance and environmental stewardship.

Through Border Program efforts, environmental inspectors are now present at ports-of-entry, and information is exchanged between Program partners on transboundary compliance at binational workshops. Border communities are also benefitting from improved transparency of U.S. and Mexican pollutant discharge data (i.e. the U.S. Toxic Release Inventory [TRI] and the Mexican Registry of Emissions and Transfer of Pollutions [RETC]) reports. In addition, a binational public-private partnership led to enhanced environmental stewardship, through ISO-14000 certification, for over 20 medium-sized companies in border communities.

Inspector conducts truck stop inspection in Calexico, CA. Photo/Jessica Rodriguez

Partnering Binationally to Achieve Environmental Improvements

Tangible improvements along the entire 2000-mile border through stakeholder-driven projects

CALIFORNIA

ARIZONA

Pacific Ocean

Gulf of California

BAJA CALIFORNIA

SONORA

NEW MEXICO

TEXAS

CHIHUAHUA

COAHUILA

NUEVO LEÓN

TAMAULIPAS

Gulf of Mexico

N

IMPACT: Binational Collection of Oil and Grease for Biodiesel

Through the Ambos Nogales Biodiesel Capacity Building Program, oil and grease collected from local restaurants is transformed into biodiesel fuel used for emergency response vehicles. This Program has the dual benefit of 1) preventing the oil and grease from negatively impacting the sewer system and 2) creating an alternative fuel.

Key Accomplishments:

- 1200-1500 gallons of biodiesel produced annually since original 2009 pilot project.
- Reduced grease blockages in sewer systems.
- Increased local usage of biodiesel for fire department vehicles.

BEFORE: Fat and bread crumbs left behind from filtering oil

AFTER: Refueling cars with biodiesel converted from grease and oils

IMPACT: Improving Air Quality in the Paso del Norte Region

The Joint Advisory Committee was formed in 1996 and works to improve air quality through binational collaboration.

Key Accomplishments:

- Introducing cleaner fuel (oxygenated gasoline) in Mexico.
- Dedicating commuter lanes at border crossings to reduce emissions and wait times.

View of El Paso-Ciudad Juarez Airshed

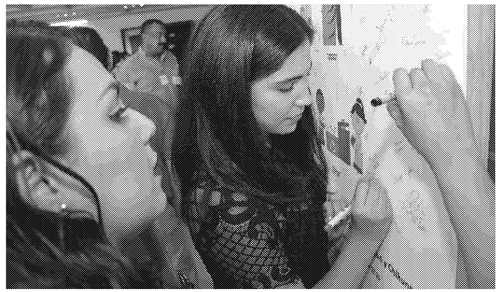
- Strengthening vehicle inspection in Ciudad Juarez with an average of 200,000 inspections completed annually.

IMPACT: 900+ Participate in Binational Symposia to Improve Environmental Health

From 2015-17 Border 2020 and EPA's Children's Health Offices convened four children's environmental health and two vector borne disease symposia. Topics included: indoor air quality, asthma, lead, mosquito borne illness, children's health and prenatal exposures among others.

Key Accomplishments:

- 566+ attended the children's health symposia in El Paso and Brownsville, Texas, and San Diego, California.
- 360+ attended two vector borne disease prevention symposia in Mexicali, Baja California, and Nogales, Sonora.
- Participants at symposia included healthcare experts from the U.S. and Mexico, public health practitioners, community health promoters or promotores, educators, medical students, faculty, government agencies, and the public.



Students sign pledge poster to manage vector borne diseases from mosquitoes using integrated pest management.

IMPACT: Improving the Air We Share

Federal, state, and local agencies collaborate to measure air quality at border crossings and inform neighboring communities. Outreach campaigns target sources of pollution to mitigate health impacts.

Key Accomplishments:

- Monitor installed at San Ysidro, busiest land port of entry in Western Hemisphere, in January 2015.
- Bilingual television and radio campaign targeting fireworks and open burning in Imperial-Mexicali region launched in 2010.
- Mexicali announces ban on sale of fireworks in December 2016.

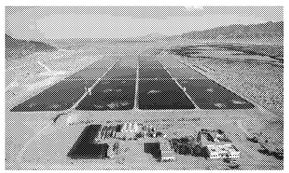
Roof-top equipment monitors $PM_{2.5}$ levels as traffic backs up at San Ysidro Port of Entry

IMPACT: Enhancing our Water

Through a Border 2012-funded monitoring program, high levels of nutrients discharged through the Las Arenitas Wastewater Treatment Plant in southern Mexicali were determined to be causing algal blooms in the Rio Hard. Funds from the Program were used to design a 97 hectare artificial wetland system, which was later constructed with funds from Mexico.

Key Accomplishments:

- 15 million gallons per day of untreated wastewater that once polluted the New River is now treated.
- Constructed wetlands provided additional treatment and expanded riparian habitat.



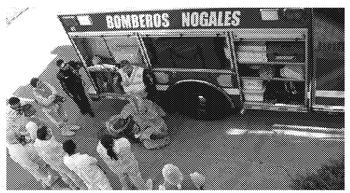
Photo/Bill Hatcher, Sonoran Institute

IMPACT: Strengthening Emergency Preparedness

The border region is highly industrial and hazardous materials pose a threat to communities and transboundary air and watersheds. Arizona State University led the development of a binational Hazardous Materials Emergency Response Training (HAZMAT) Pilot Program with industry, academia, and federal, state, and local agencies:

Key Accomplishments:

- Developed five multi-day training courses.
- Trained and certified 12 new instructors.
- Created a binational model for on-going trainings to industry and first responders.



Photo/Bill Hatcher, Sonoran Institute

IMPACT: Enhanced Sustainability in Alamo, Texas

Through a new partnership, the City enhanced environmental stewardship:

Key Accomplishments:

- Decreasing illegal dumping by over 238 tons/year.
- Presenting to over 1,270 students at five community presentations on recycling.
- Distributing 5,000 bilingual recycling brochures and installing a revolving recycling trailer and bins at schools.
- Leading community clean-ups and collection events.

School student contest mascot design winner presented with award at city council

IMPACT: Enhancing Emergency Preparedness in Colonias

In August 2016 the Border 2020 Program, along with NGOs in the Lower Rio Grande Valley region, hosted the first Emergency Preparedness Conference for Colonias.

Key Accomplishments:

- 110+ residents were trained on how to prepare, survive and recover from a disaster.
- Other topics included: fire prevention, food safety and storage, county evacuation plans, disaster housing, and family emergency planning.

Colonias Conference in Alamo, Texas, in August 2016

"The Border 2020 Program is essential to continue providing guidelines of our goals within the United States and the State of Texas. We need to continue to improve the environment and decrease pollution."

– Dr. Elaine Mowinski Barron, MD, El Paso, Texas, U.S. Joint Advisory Committee Charter Member

"The Border 2020 work group has allowed a working relationship to become an excellent friendship. It has been a very useful tool for the development of border environmental initiatives. Sonora and Arizona have benefited from multiple projects on water, air, and solid waste."

– Luis Carlos Romo Salazar, Commissioner, Commission on Ecology and Sustainable Development, State of Sonora, Mexico

LEGEND

- U.S.-Mexico Border
- Boundary of Border Region (62 miles from border)
- U.S. States
- Mexican States
- Project Locations

Two countries, ten states, twenty-six tribes

one environment

Anza-Borrego Desert State Park, California. Photo/Jeremy Bauer

"The Border 2020 Program has allowed us to improve our relationship with EPA and more importantly they are accepting local input. That is important to develop long term relationships and really address U.S. – Mexico Border environmental issues."

– **Dr. Hector F. Gonzalez,** Laredo, Texas, Director of the City of Laredo Health Department

"The Border 2020 Program brings people together to better understand and coordinate emergency preparedness and response tactics. The result is first responders and communities on both sides of the Border who are better trained and equipped to protect human health and the environment."

– **Mario Novoa**, Fire Chief, Douglas, Arizona

BORDER 2020 FRONTERA 2020

U.S.-Mexico Border 2020 Program

www.epa.gov/border2020

Message

From: Sisneros, Maria [sisneros.maria@epa.gov]
Sent: 6/27/2017 7:23:33 PM
To: Rincon, Carlos [rincon.carlos@epa.gov]
Subject: projects funded

FIRST Border 2020 RFP
Border 2020 New Mexico - Texas - Chihuahua Regional Workgroup

1. Improvement of the PM10 monitoring network in Ojinaga, Chihuahua
This grant will improve the city's operation of an air quality monitoring network through training the municipality´s technical staff on operations and maintenance. It will also establish an agreement with the local authority, or a resolution from the city council, on a commitment to systematic permanent monitoring of air pollution.
$ 14,327.00 to Ojinaga, Chihuahua, Mexico

2. Sustaining the environment at the New Mexico-Chihuahua border

This project will accomplish five tasks: (a) three educational presentations summarizing long-term efforts to identify low-cost methods for controlling blowing dust and soil; (b) four educational workshops for septic system owners on the proper maintenance and decommissioning of septic tanks; (c) two "knowledge exchange" events on water conservation programs specifically for the semi-arid climate condition within the Paso del Norte region; (d) commencement of planning efforts to update the 2002 Columbus, New Mexico-Ascensión/Palomas, Chihuahua Sister-City Cross-Border Contingency Plan; and (e) five presentations on the work that has been accomplished to-date.
$100,000 to the New Mexico Environment Department, New Mexico

3. United communities for the prevention of environmental contamination in El Paso County

This grant will support several workshops on the proper maintenance of septic tanks for the over 2,300 users in the communities of Montana Vista, Tornillo, Cuadrilla y Valle Bonito in the County of El Paso, Texas. The results of this project will be the development and implementation of a community-based educational and environmental health program with respect to septic tanks, as well as a network run by each neighborhood that maintains the septic tanks.
$ 50,072 to Adult Youth United Development Association, Inc., El Paso, Texas

4. Promotion of urban keyhole gardens in El Paso using rainwater harvesting techniques

The purpose of this grant is to show residential homeowners simple yet efficient ways to create, build, and maintain multipurpose urban oases in their backyards. Approaches include incorporating alternative water sources to irrigate "keyhole" gardens (small, permaculture gardens, normally horseshoe shaped for easy access to all the plants) and green shade structures. This project will promote the growing of vegetables and underutilized small fruit trees, as well as shrub species that are adapted to a desert environment, and also encourage outdoor activities, reduce solid waste in landfills by composting all organic wastes and paper, minimize water and soil contamination by utilizing the nutrients generated by composting, conserve water used in landscapes by following xeriscape principles, and reduce storm water pollution by capturing rainwater.
$ 6,220 to Water Utilities, City of El Paso, Texas

5. Development of epidemiological tool and public outreach related to air quality
This grant will support development of an epidemiological surveillance system in a hospital in Ciudad Juarez, tracking air quality data along with the incidence of respiratory diseases associated with air
quality. The intent is to be able to replicate this tool in all the hospitals and clinics in the city, and the information will then be used in a media awareness program that publicizes accurate disclosure of timely and easily understood information. A longer-term goal is to have this program lead to the identification of ways to decrease air pollution.
$ 43,076 to Comisión Estatal para la Protección contra Riesgos Sanitarios en Ciudad Juárez (COESPRIS), Juárez, Chihuahua, México

6. Recycling of bio solids in the agricultural soils of the Valle de Juárez, Chihuahua
This project will develop a program that applies biosolids, resulting as byproducts from the city's WWTPs, to agricultural lands as fertilizer. This will help reduce the risk to human and environmental health to the border region in El Paso TX-Cd Juarez, Chihuahua, due to the inadequate current disposal practices. The project will establish three demonstration plots

in the Juárez Valley using representative crops like cotton or sorghum (summer) and wheat or oats (winter). The objectives of the project are to (a) determine the effect of biosolids on the physical and chemical properties of soil and subsequently on crop yield and profitability, (b) reduce the use of chemical fertilizers, and (c) reduce landfilled biosolids by about 50 percent in the medium term (four to five years).
$ 44,850 to the Universidad Autónoma de Ciudad Juárez, Valle de Juárez, Chihuahua, México

7. Ysleta del Sur Pueblo Community Collection Center
This grant will support several related activities in the Pa Kitu living district of the Ysleta de Sur Pueblo, including(a) the establishment of a collection center for e-waste, household hazardous waste, used tires, and recyclables; (b) build community capacity for center management; and (c) develop a community education program related to waste management. Finally, the outputs and outcomes of this project will be used to develop indicators for community participation and future planning efforts.
$66,470 to the Ysleta del Sur Pueblo, Texas

Border 2020 Texas - Tamaulipas - Nuevo Leon - Coahuila Regional Workgroup
GULF Task Force Projects

1. Determining the ideal biological filtration material for South Texas stormwater management
This project will identify the best locally available material for use in bioswales in the Lower Rio Grande Valley and South Texas. Bioswales are storm water conveyances that use vegetation and other organic materials to filter out pollution and silt. The project will test prototype bioswale in newly constructed parking lots on campus of the University of Texas Pan American in Edinburg. The results are expected to be useful for designers and managers of storm water management systems throughout the region.
$ 26,022 to the University of Texas Pan American, Rio Grande, Texas

2. Alamo's Recycling TEAM Includes Everyone (ARTIE)
This grant will help the city of Alamo implement the Alamo's Recycling TEAM Includes Everyone (ARTIE) Project, which strives to enhance the management of solid waste in the city. The project hopes to increase recycling efforts by at least 25 percent, increase awareness of non-point pollution and solutions, and establish partnerships that will promote environmental stewardship. The project will make quarterly community presentations at business and school or community events.
$ 54,838 to the City of Alamo, Texas

3. Cleanup campaign through Keep Pharr (Texas) Beautiful
This grant will support a monthly cleanup program by Keep Pharr Beautiful with strong public outreach. The program is intended to reduce illegal dumping in the residential and commercial sectors and encourage residents to take responsibility for the beautification of their respective communities.
$ 20,000 to the Public Works Department, City of Pharr, Texas

FALCON Task Force Projects

1. Diagnosis of, and recommendations regarding, the generation and management of waste in Mexico's northeast border region
This project will diagnose the generation of solid and "special management" waste in six border municipalities in Nuevo León and recommend waste management approaches to collection, temporary storage, and final disposal of the waste, including potentials for recycling. The grant will strengthen regional capacity and promote new activities.
$21,798 to the Secretaría de Desarrollo Sustentable, Nuevo León, México

2. Characterization of drayage activities and emissions in Laredo-Nuevo Laredo air shed

Border 2020 Projects Selected for Funding by EPA/BECC for 2013-2014 FIRST Border 2020 RFP

This grrant will support a detailed characterization of the drayage activity (short-haul, cross-border transport of trade) in the Laredo-Nuevo Laredo region and its air quality implications.. With the information generated, decision-making and planning agencies can develop strategies and policies to reduce air pollution in the region at a binational level. The data, methodologies, and information generated from the project can potentially be applied to other border locations as well.
$ 89,750 to Texas A&M Transportation Institute, College Station, Texas

Management of fats, oils, and grease in Nuevo Laredo, Tamaulipas
3. This grant will support the reduction of the concentration of fats, oils, and grease (animal and vegetable) in the effluent water coming from restaurants and hotels and industrial dining facilities in Nuevo Laredo. These materials can clog sewer systems and wastewater treatment plants and pollute the Rio Bravo. The project will train stakeholders and help them install grease trap equipment.
$32,533 to the Comisión Municipal de Agua Potable y Alcantarillado, Nuevo Laredo, Tamaulipas, México

AMISTAD Task Force Projects

1. Conservation of Las Vacas stream in Acuña, Coahuila
This grant will support the design and implementation of actions to improve water quality and promote an adequate habitat for flora and fauna species in the stream Las Vacas, serving also to promote recreation areas. It will include binational collaboration that involves educational institutions and the private sector. The expected result of the project will be a series of sustainable programs related to surveillance and diagnosis of water quality in the stream.
$44,200 to the Department of Environment, Ciudad Acuña, Coahuila, Mexico

2. Planning of a Health and Environmental information model along the Texas/Mexico border
This grant supports the development of a conceptual framework for a binational environmental and health information repository. This includes the development of a binational follow up system on health and environment in the communities of the border region between Texas and Coahuila. This will be a pilot project with emphasis on: 1) identification of required tools and capacities; 2) comparison of existing systems from both countries, considering their strengths and weaknesses; 3) identification and recommendation on training or educational needs; and 4) development of an indicators system to measure environmental health in the region.
$ 39,875 to El Colegio de la Frontera Norte, Piedras Negras, Coahuila, México

3. Promotora-led environmental health education for children in Eagle Pass, Texas
This grant will support the development of an integrated approach for educating families on the dangers of exposure to mercury, lead, and pesticides, especially the effects on respiratory health, specifically asthma. These modules will be used to provide training to health promotoras, who subsequently will provide educational information in elementary schools, child care settings and to colonia residences. The project will target approximately 800 elementary and head start students, parents from 40 homes, and approximately 70 school teachers/staff members.
$ 69,083 to La Amistad AHEC dba Southwest Border AHEC, Eagle Pass, Texas

EMERGENCY RESPONSE RFP - 2014:

1: City of El Paso

2. City of McAllen

2015 RFP for Border 2020

Federación Mexicana de Asociaciones Privadas de Salud y Desarrollo Comunitario, A.C. – Received $50,000 for sustainable and resilience housing
• **Subsecretaria de Medio Ambiente, Tamaulipas** – Received $20,866 to strengthen solid waste programs
• **Secretaría de Medio Ambiente del Estado de Coahuila de Zaragoza** – Received $16,777 for electronic waste recycling
• **City of Harlingen Fire Department** – Received $60,000 to support binational tabletop exercises
• **Instituto Tecnológico de Ciudad Juárez** – Received $43,204 for a green infrastructure and sustainability project
• **Universidad Autónoma de Chihuahua – Facultad de Zootecnia y Ecología** – Received $41,388 for a soil conservation and management project

• **Secretaría de Desarrollo Urbano y Medio Ambiente, Tamaluipas** – Received $9,385 for energy efficient lighting
• **Texas A&M University-Kingsville** – Received $38,885 for storm water improvements
• **Grupo Ecológico Green Tec-Osos del Instituto Tecnológico de Piedras Negras** – Received $36,054 for electronic waste recycling
• **The University of Texas at Austin** – Received $58,575 for a water quality improvement initiative
• **Brownsville Public Utilities Board** – Received $25,000 for an educational campaign to help eliminate water discharges
• **Junta de Aguas y Drenaje de Matamoros** - Received $25,000 for an educational campaign to help eliminate water discharges **NOT FUNDED AFTER ALL**
• **City of Pharr, Recycling Center**- Received $36,390 for a green campaign
• **Universidad Autónoma de Tamaulipas, Facultad de Comercio, Administración y Ciencias Sociales de Nuevo Laredo** – Received $11,000 for Environmental Education and Legislative action reforms

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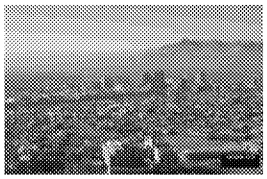
www.epa.gov/border2020

EPA Region 6: Border Program News

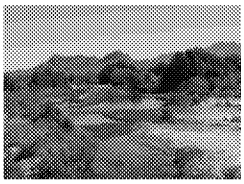
November 2016 – March 2017

www.epa.gov/border2020

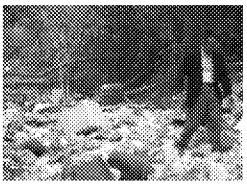
United States Environmental Protection Agency



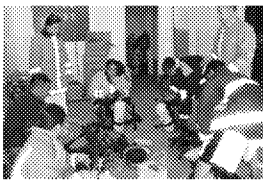
Reduce Air Pollution



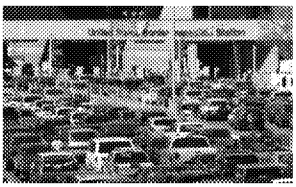
Improve Access to Clean & Safe Water



Promote Materials Management & Clean Sites



Joint Preparedness & Emergency Response



Compliance Assurance & Environmental Stewardship

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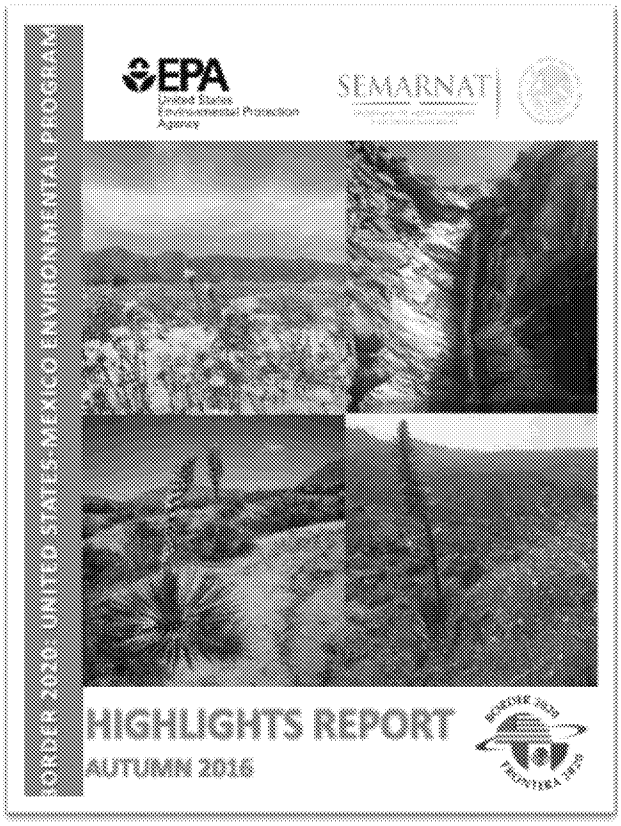
Border 2020 Highlight Report



The report contains highlights of the achievements and efforts of the Border 2020 Program during 2015-2016. During this time thirty-five projects were concluded to improve conditions facing border communities and an additional eleven in the implementation phase. These projects have addressed challenges of clean water, air quality, proper management of solid waste, environmental emergency response and

environmental stewardship. Sixteen (16) Region 6 projects were highlighted in this report.

Texas-New Mexico-Chihuahua Regional Workgroup:

- Improving air quality monitoring in Ojinaga (Goal 1: Air)
- New Mexico-Chihuahua border study on air quality (Goal 1: Air)
- Urban keyhole gardens rainwater-harvesting techniques (El Paso Water Utilities) (Goal 2: Water)
- Bio solids recycling agriculture at Juárez valley (Goal 3: Waste)
- Tire amnesty collection events in El Paso County (Goal 3: Waste)
- Ysleta del Sur Pueblo Community Collection Center (Goal 3: Waste)
- Regional plan for waste management in Ascension and Janos (Goal 3: Waste)
- Hazardous railcar leak mitigation preparedness in the Paso del Norte region. (City of El Paso) (Goal 4: Emergency Response)

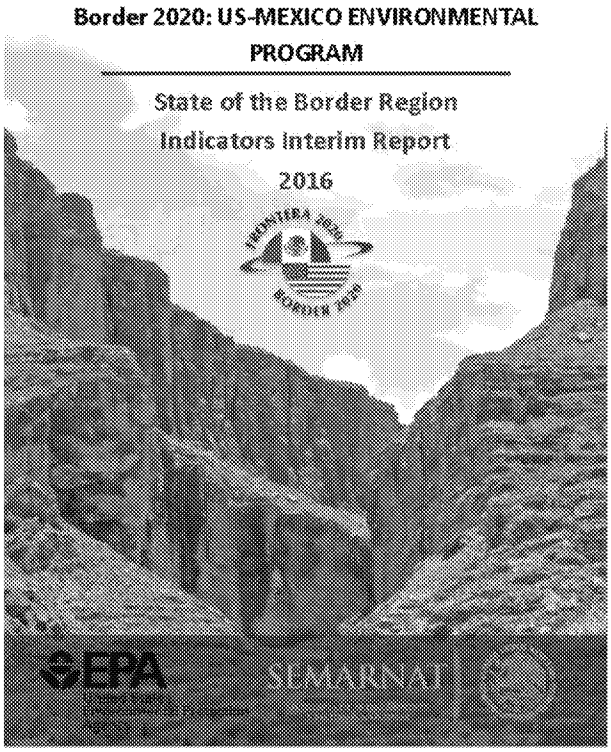
Texas-Coahuila-Nuevo Leon-Tamaulipas Regional Workgroup:

- Characterization of drayage vehicle activities and emissions in the Laredo air shed (Goal 1: Air)
- Management of fat, oil and grease in Nuevo Laredo (Goal 3: Waste)
- Conservation of the Arroyo Las Vacas in Acuña (Goal 3: Waste)
- Waste generation diagnostic for the Northeast Border Region (Goal 3: Waste)
- Alamo Recycling Team Includes Everyone (ARTIE) Program (Goal 3: Waste)
- Supporting Pharr efforts to maintain a clean community (Goal 3: Waste)
- Bi-national exercises at the cities of Harlingen and Matamoros (Goal 4: Emergency Response)
- Promotoras-led environmental health education to children in Eagle Pass (Environmental Education & Environmental Health)

Both Regions / Borderwide:

- COOPERATION TO IMPROVE ENVIRONMENTAL HEALTH (Environmental Protection Agency (EPA) – US/MX Border Health Commission Collaborative Agreement)
    - Children's Symposium (El Paso September 2015)
    - Promotora Trainings
- Enhance joint preparedness for environmental emergencies
- End-of-life Vehicles Guide
- U.S.-Mexico Border Water Infrastructure Program.

State of the Border: Indicators Interim Report (2016)



The State of the Border Region 2016 Interim Report provides information on the status and trends of environmental quality in the U.S.-Mexico border region. In doing so, it also illustrates progress made under the U.S.-Mexico Border 2020 program. This report builds on the flagship 2005 State of the Border Region report and the 2010 State of the Border Region report. It refreshes and updates key indicators from 2010 and adds new indicators to reflect new areas of Border 2020 focus and activity. As with previous reports, this report is structured around the goals of Border 2020 with chapters on air, water, land, environmental readiness and response, and enforcement and compliance.

Indicators are presented with brief data source information below each indicator. Complete underlying data and details on indicator data sources are available in a companion document, State of the Border Region 2016 Interim Update: Indicator Metadata and Data Tables.

Types of Indicators:

- ***Pressure:*** Indicators that describe human activities that place stresses on the environment.
- ***Need:*** Indicators that inform our understanding of the magnitude or type of need for a programmatic response.
- ***Output:*** Indicators that measure activities, products, or services resulting from a project or program.
- ***Outcome:*** Indicators that measure changes in the state of the environment or the effects of environmental conditions on human and/or ecological health

REPORT INDICATORS

Goal 1: Air

- Number of Days Exceeding Air Quality Standards in Border Monitoring Areas

Goal 2: Water

- Number of Unserved Homes Connected to Safe Drinking Water through the Border Water Infrastructure Program
- Number of Unserved Homes Connected Wastewater Collection and Treatment Services through the Border Water Infrastructure Program

Goal 3: Waste

- Per-Capita Municipal Solid Waste Disposal in U.S. Border States and Counties
- Per-Capita Municipal Solid Waste Generated in Mexican Border States
- Number of Electronics Refurbishers and Recyclers in the Border Region Certified to R2 or e-Stewards

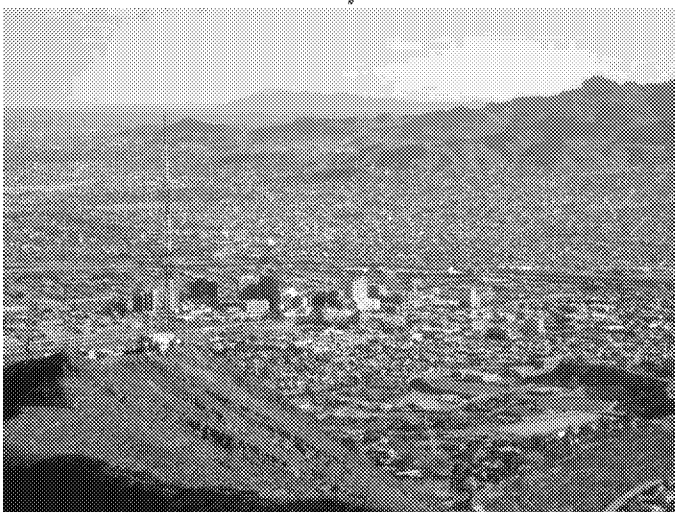
Goal 4: Emergency Response & Preparedness

- Number of Incident Notifications in the Border Region Received by the National Response Center (NRC)
- Number of Incident Notifications in the Border Region Received by the Centro de Orientación para la Atención de Emergencias Ambientales (COATEA) or Centro Nacional de Comunicaciones / Sistema Nacional de Protección Civil (CENACOM)
- Binational Capacity Building and Training Events

Goal 5: Compliance Assistance

- Regulated U.S. and Mexican facilities in the border region
- Number of State and Federal Inspections for Federal Programs in the U.S. Border Region
- Number of Federal Inspections in the Mexican Border Region
- Pollution Reduction from Federal Enforcement Actions in the U.S. Border Region

Joint Advisory Committee



El Paso, Texas - Ciudad Juárez, Chihuahua

On January 19, 2017 the Joint Advisory Committee (JAC) held its 68th Meeting in Ciudad Juárez, Chihuahua, Mexico. A total of 62 people participated, including 6 through Go-To-Meeting. Mayor Armando Cabada, of Ciudad Juárez, welcomed the members of the JAC and public. Arturo Blanco from Environmental Protection Agency (EPA) Office of Environmental Justice, Tribal and International Affairs (OEJTIA) served as the U.S. Co-Chair, as Guy Donaldson was not able to attend the meeting, along with Ana Patricia Martinez from Mexico's Secretaría de Medio Ambiente y Recursos Naturales (SEMARNAT), who serves as the Mexican Co-Chair. During the meeting three new JAC

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members were introduced: Dra. Cecilia O. Olague from the Secretaría de Desarrollo Urbano y Ecología (SDUE) of the state of Chihuahua; Psic. Jesús D. Cárdenas from Comisión Estatal para la Protección contra Riesgos Sanitarios (COEPRIS); and Jürgen Ganser, director for the Department of Ecology for the Ciudad Juárez, Chihuahua.

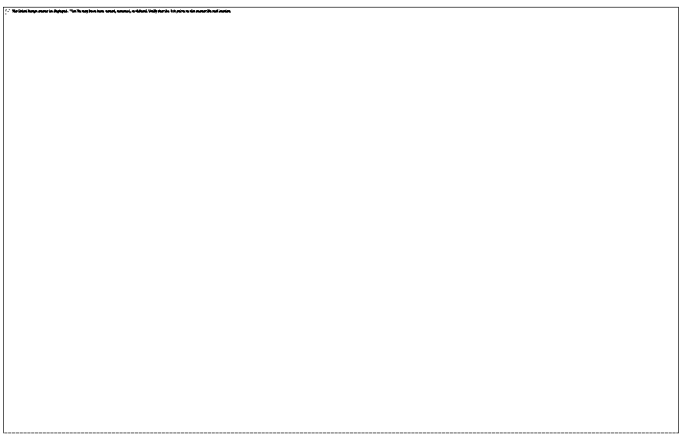
Highlights from the meeting included presentations on the:

- PROAIRE – The program focuses on reversing air quality deterioration of the main cities or areas in the State of Chihuahua through the implementation of measures and actions carried out by the public and private sectors and with participation of citizens, for the protection of public health and the environment.
- Update from Ciudad Juárez Ecology Department on its state vehicle programs, the importation of vehicles, wait times at Port of Entries and air quality associated with POEs, and a health awareness campaign "For Better Air Quality" launched in December 2016 focused to increase citizen awareness on the importance of vehicle inspection program and maintenance.
- Project "Space-time Variation of Heavy Metals in Particulate Material less than 10 micrometers in Ciudad Juárez" by Dr. Alba Corral from the Universidad Autonoma de Ciudad Juárez (UACJ). The study is focusing on 4-years' worth of data to carry out an air quality space-time analysis based on the quantification of PM10 and heavy metals in air filters of the monitoring network and eventually evaluate the presence of heavy metals in biological samples in children in Ciudad Juárez.
- A regional initiative to address public health risks associated with extreme heat by Gregg Garfin from the University of Arizona.
- Cattle Ranching: Building or Destroying the Environment? By Alejandro Carillo from the Fundación Pasticultores del Desierto.

The next meeting for the JAC is set for May 25th in El Paso, Texas at the University of Texas at El Paso (UTEP). For more information on the meeting please visit the Border 2020 website.

The JAC serves as the air taskforce for the Border 2020 Program for the Texas-New Mexico-Chihuahua Regional Workgroup (3-State RWG). More information regarding the JAC can be found at: www.cccjac.org

New arsenic treatment facility begins operating in Tornillo, Texas



Ribbon cutting ceremony for the Tornillo Facility (photo courtesy of BECC)

On March 23, 2017 the El Paso County Tornillo Water Improvement District (EPCTWID) held a ribbon-cutting ceremony for its new Wastewater Collection and Arsenic Treatment Plant which began construction in June 2016. Gilbert Tellez, from Environmental Protection Agency (EPA) Region 6's Water Division - Border Environmental Infrastructure Fund (BEIF) Program was in attendance at the event. The EPA Region 6 BEIF Program provided $3.75 million in grant money for the construction of the project. The project also received $100,000 in technical assistance through EPA Region 6's Program Development Assistance Program (PDAP) that assisted with the preparation of environmental documents and perform a water audit of EPCTWID.

The facility will have the capacity to treat 600 gallons per minute (gmp) to help reduce naturally-occurring arsenic concentration levels, as well as, remove iron and manganese ions. The project also provided first-

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time access to sewer connections to 19 households who were using substandard on-site wastewater disposal systems, eliminating approximately 5,600 gpm of inadequately treated and untreated wastewater.

The United States Department of Agriculture (USDA) Rural Development program also provided funding for additional projects in the community, bringing the total investment of projects to $6.75 million USD, benefitting approximately 1,560 residents.

For more information, visit the North American Development Bank (NADB) website: http://www.nadb.org/pdfs/state_projects/Arsenic%20Treatment%20and%20Wastewater%20Collection%20Project.pdf

Waste Taskforce Public Meeting

(Texas-New Mexico-Chihuahua Regional Workgroup)

On February 7, the Texas-Chihuahua-New Mexico B2020 Task Force Goal 3 for the Promotion of Materials Management, Recycling, Waste Management and Clean Sites held a public meeting, attended by over 35 Taskforce Co-leader's, MC. Rene Franco Ruiz (MX) and Cristina Viesca – Santos (US) , welcomed participants representing from the Procuraduría Federal de Protección al Ambiente (PROFEPA), the Secretaría de Desarrollo Urbano y Ecología (SDUE) Gobierno, Municipalities of Ciudad Juárez and Ascención, Chihuahua Public Works and Ecology department, as well as, private partner, Cementos de Chihuahua, Chihuahua, Cattle Ranchers Association, the University of Texas at El Paso (UTEP), Ciudad Juárez Autonomous University (UACJ) faculty and students and concern citizens along with the Border Environmental Cooperation Commission (BECC). and general public.

The meeting included a brain-storming-session on input on priorities to be included in the Two-Year Action Plan (2017-2018) for the Texas-New Mexico-Chihuahua RWG. Ing. Gustavo Nunez, of Cementos de Chihuahua, presented on how the reutilizes used tires and solid waste in their process to produce co-generation for their pant. The reutilization of the tires is part of a private – public partnership that has existed over several years and has served as a model that highlights how using used tires can become an economic driver for other business. From the partnership, over 6 million tires were eliminated from Ciudad Juárez's landfill by 2015. In 2016, 1.5 million tires were eliminated from the landfill.

COLUSOL presented on a project has been reutilizing waste water sludge in generation of clean energy. Ing. Francisco Sanchez, from Ecorecikla, presented on the events they have partnered with the Municipality of Ciudad Juárez, on recycling and e-waste collection events. Last, Pam Aguirre, who leads the Tire Advisory Committee gave a presentation on private sector participation on scrap tire management in the Paso del Norte Region. Mrs. Aguirre presented on how some local businesses have been reutilizing scrap tires in pavers and tiles. In addition, the City of El Paso has done several paving projects using crumb rubber. Mrs. Aguirre presented on Tire Amnesty Days that three local communities (Lower Valley of El Paso, City of San Elizario and Village of Vinton) have been having on a regular basis. Last, two new tire bills were proposed by Senator Rodriguez to address the issue of scrap tires in Texas.

Waste Taskforce attendees in Ciudad Juárez, Chihuahua

Waste Taskforce Meeting: Tire Advisory Committee (TAC)

(Texas-New Mexico-Chihuahua Regional Workgroup)

On March 7 the TAC met to discuss ongoing activities from committee members. Topics on the agenda included discussion of the Texas House Bill 490, introduced by State Rep. Mary Gonzalez, regarding "Tire Dumping Enforcement Grant Program", and Senate Bill 570, introduced by State Senator Rodriguez, Status of Tire Haulers in New Mexico. The three other committees: Enforcement Working Group, Ends Markets Working Group and Securing Funding Working Group did not have any updates to present. Participants included representatives from EPA El Paso Border Office, City of Vinton, San Elizario, private companies–3 Pesetas, Michelin Tires, (TCEQ) Texas Commission on Environmental Quality, New Mexico Environment Department (NMED) and others.

The TAC was formed from a Border 2020 Goal 3 workshop held in 2014 that focused on rethinking scrap tires as a resource – not a waste. The TAC was one of four actions from the workshop, with the goal of establishing a permanent scrap tire advisory committee in the Paso del Norte Region that meets regularly to address the topic of scrap tires. The next TAC meeting is expected to take place in September 2017.

Environmental Education Taskforce Public Meeting

(Texas-New Mexico-Chihuahua Regional Workgroup)

The Border 2020 Environmental Education Taskforce held a public meeting, attended by over 60 stakeholders, on February 1, 2017 in El Paso, Texas. Participants included University of Texas at El Paso (UTEP) faculty and students, US-Mexico Border Health Commission (BHC or Commission), Mexican Consulate, City of El Paso representatives, Ciudad Juárez City Staff, Mexican university faculty, U.S.-Mexico Border Health Commission, Border Environmental Cooperation Commission (BECC), NGOs, private business and general public.

Participants at the Environmental Education Taskforce meeting on February 1, 2017.

The meeting included five presenters: Dr. Bruce San Filippo (Border 2020 Environmental Health TF Co-leader); Dra. Verónica González Sepúlveda (Ciudad Juárez Office of Sustainability); Patricia Juárez-Carillo (UTEP); Esmeralda Cervantes Rendón (El Colegio de Chihuahua) and Maria Sisneros (Environmental Protection Agency (EPA) Border Office).

Dr. Filippo, who also represents the BHC in New Mexico, presented on the Commission's initiatives along the border which includes a strong push on training and empowering promotoras. The Commission has been a partner with EPA on their children's health symposium and promotora trainings that took place in 2015-2016 throughout several cities along the Texas border. Dr. Filippo also highlighted several local projects focused on Education on Heat Resiliency and air quality.

Dr. González who was hired as the Chief Resiliency Officer for Ciudad Juárez under the Rockefeller Foundation Grant, presented on Ciudad Juarez's sustainability initiatives. Through several public forums five initiatives were identified under the program. In addition, the office has already begun to undertake several projects focuses on bringing health awareness on extreme heat events, green infrastructure and a woman's program on "Safe Perimeter/Environment"

Dr. Juárez-Carrillo presented on several activities that took place in 2016 with UTEP. UTEP in April 2016 held a public forum focused on "Environment, Social Justice & Sustainable Development".

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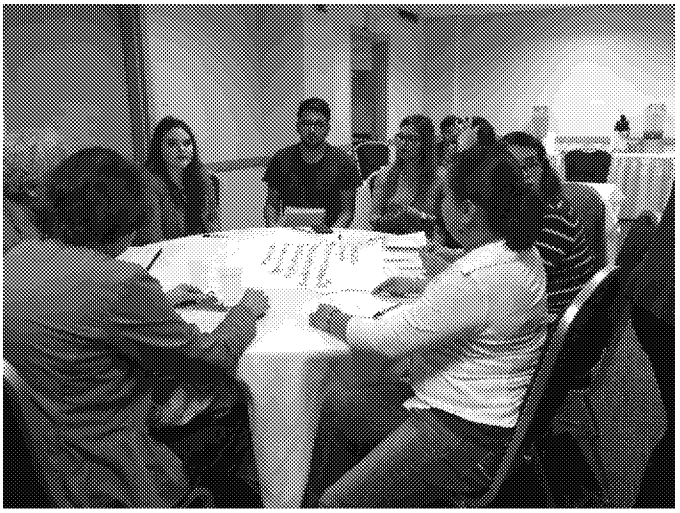
Participants on April 2 Public Forum on "Environmental, Social Justice & Sustainable Development"

During the forum participants stated that there needs to be more actions towards addressing basic needs (i.e. housing, energy, water, food, etc.); more empowerment of a broader range of stakeholders on the issues through education, communication, risk awareness and knowledge transfer; promotion of a cohesive and engaged community through social connectivity and community participation; and also learn what local government is doing (i.e. projects and policy).

Esmeralda Cervantes presented on a 3-day conference focused on "Renewable energy and Sustainability" that took place in October 2016 in Ciudad Juárez attended by over 353 participants. The conference focused on renewable energy and sustainability and how to address social problems. The conference highlighted the continued need to educate the public on the issue and ensuring they are involved in various forums and activities.

Maria Sisneros presented on the 3-State RWG priorities under the Two-Year Action plan (2016-2017) and a summary of the previous Action Plan.

The final portion of the meeting included conducting a "World Café" where participants broke up into five groups to discuss what should be the priorities for the taskforce, what are the challenges and how to address them. The results of the activity were presented at the February 14 Regional Workgroup meeting.



World Cafe activity with participants at the EETF mtg.

Environmental Health Taskforce Public Meeting

(Texas-New Mexico-Chihuahua Regional Workgroup)

The Environmental Health Taskforce public meeting took place on March 30, 2017. Participants included representatives from U.S.-MX Border Health Commission (BHC or Commission), Las Cruces City, New Mexico Department of Health, Border Environmental Cooperation Commission (BECC), Doña Ana County, University of Texas at El Paso (UTEP) and Texas Commission on Environmental Quality.

The meeting had six presenters. A brief summary of each is presented below.

Lisa LaRoque from the City of Las Cruces highlighted some of the city's ongoing efforts to address heat resiliency. Projects currently ongoing include a green infrastructure project focused on creating a "green Corridor" to connect two large major streets with a walking and cycling pathway. A second project will focus on capturing stormwater and using it to irrigate public spaces. A third project is a partnership with utilities where people can be given a tree to plant in front of their home to create more shade. A fourth project is a collaboration with City of El Paso and Juárez on a health assessment survey on extreme heat. During the month of May, the City of LC along with El

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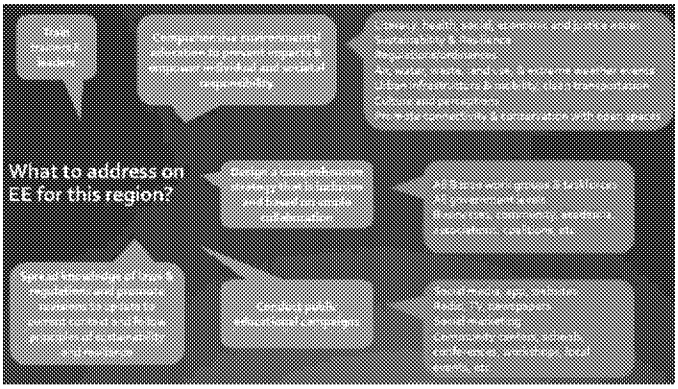
Paso Juárez will have several extreme heat outreach events to the public.

Jose Velasquez from the Commission provided a presentation on the Commission's efforts to enrich and build capacity with promotoras. These efforts are also part of a collaboration with EPA. During June, the US-MX BHC along with the 10 border states will host a binational "Vector-borne Diseases" conference in El Paso.

Claudia Macias from NM Dept. of Health gave an overview of New Mexico's Promotora history and Certification Volunteer Program (CVP). Currently there are 120 certified promotoras in the state of NM. The certification program consists of 100 hours focused on developing 10 core promotora competencies. The health department looking into growing the promotora network. The state of NM is the second state in the US to have legislation recognize utilizing Medicaid funds to be used to reimburse the work promotoras do.

Patricia Juárez, US Coleader of Environmental Education and Sustainability Taskforce (EESTF) of Border 2020, presented over overview of the EESTF public meeting held February 1. During the public meeting the following were stressed as priorities on environment and environmental health: train the trainers; comprehensive environmental education; increase literacy - education empowers your community to make decision (geared towards promotoras, leaders, etc.); conduct public education campaigns in a language and medium they can understand; strategy that includes various sectors; spread the knowledge of laws and regulations to promote environmental literacy.



EETF Public Input Priorities & Needs

Jagan Butler from the Border Environmental Health Coalition (BEHC) presented on Environmental Literacy. Overall it was an overview on how the public doesn't really understand the environment and its effects on human health and vice versa, people and their effect on the environment. Environmental Literacy is needed in the community to understand this relationship. Environmental Health doesn't have to be a negative thing but if we have clean air, water and good food source then that promotes good environmental Health.

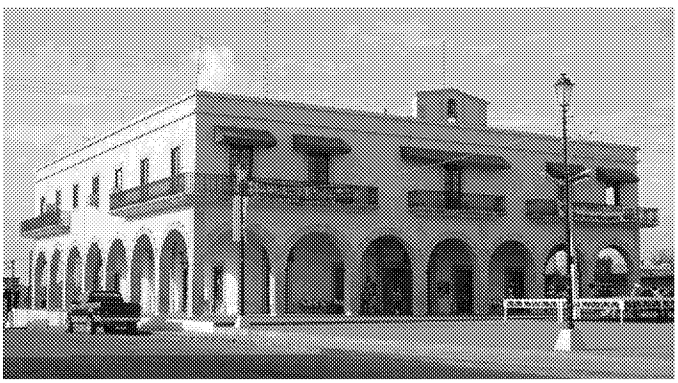
Ken Scholar from Doña Ana County Vector Control Program, presented on some of the Counties activities the county is taking to combat vector borne-illnesses. The County has focused not so much on enforcement but collaborations and partnerships and good environmental Stewardship and compliance to address mosquitos' issues. They have worked with farmers to address standing water and have also focused on environment outreach with kids to help bring the word to parents in the home.

Vector Control Staff obtaining samples

Junta de Los Rios Taskforce Public Meetings

(Texas-New Mexico-Chihuahua Regional Workgroup)

The Junta de Los Rios Taskforce which address border environmental issues in the Presidio, Texas – Ojinaga, Chihuahua are held two task forces meetings: 1) November 3-4, 2016 in Ojinaga and 2) March 23, 2017 in Presidio.



View of the Municipal Building in Ojinaga, Chihuahua

The November 3-4 meetings were held at the City of Ojinaga City Council Chambers. Environmental Protection Agency (EPA) staff, Carlos Rincon, met with Martin Sanchez, the mayor of Ojinaga, along with the City of Ojinaga Ecology Department's Director and those of the Office of City Manager, Public Works and Chief Advisor to the Mayor for a day and a half work program to discuss ongoing priorities regarding air quality and city trash collection and landfill infrastructure needs. Technical staff from the City of Juárez Air Quality Monitoring Program worked with the City of Ojinaga Monitoring technical personnel preparing the three PM10 units the city has to begin running in the near future. so that the air quality monitoring network will start running as per the stations' schedule. A Border 2020 Grant assisted with the bringing the monitors back to operational function and also training three Ecology Department Ojinaga technicians on topics such as: units operational procedure systems, filter change-handling and shipment to Centro de Investigación en Materiales Avanzados (CIMAV) laboratory in Chihuahua City. Once the monitors are running, Dr. Alfredo Campos Trujillo from CIMAV will analyze the filters and will have the data ready for publication, at City of Ojinaga and at other Task Force partners' web page for public viewing.

Overlooking Presidio, Texas

On March 23, 2017, the Junta de los Rios had their first public for the year. During the meeting, Ojinaga city officials presented on the city's 2-year government planned priorities. Secretary Cecilia Olague from the Secretaría de Desarrollo Urbano y Ecología (SDUE) Gobierno (SDUE) presented the Governor's 5-year program on the Environment and Environmental Health Plan. Last, the taskforce members and stakeholders present provided input on priorities for the Two-year Work-plan (2017-2018) for the Regional Workgroup.

New Mexico-Chihuahua Rural Taskforce Public Meeting

(Texas-New Mexico-Chihuahua Regional Workgroup – 3State RWG)

El Paso Border Office Director, Dr. Carlos Rincon, attended the public meeting of the New – Chihuahua Rural Taskforce on March 30, 2017 held at the Palomas's Public library in Palomas, Chihuahua. Dr. Rincon was accompanied by Gerardo Tarin, representing Secretaría de Medio Ambiente y Recursos Naturales (SEMARNAT), to discuss environmental education and environmental health priorities and projects in the New Mexico – Chihuahua rural area. Approximately 22 stakeholders attended the public meeting. Attendees included Local government officials including the Mayor of Ascención, Chihuahua and Palomas, Chihuahua, Ascención, Chihuahua and Columbus, New Mexico City Council members, New Mexico State University (NMSU) staff and State of Chihuahua Health Science, Health Secretariat in

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Chihuahua, the Village of Columbus Economic Development, NGO (Border Partners), Rural Chihuahua's Agriculture University, Chihuahua Cattle Ranchers Association and Border Environmental Cooperation Commission (BECC).

Dr. Dave Dubois presenting to taskforce meeting attendees

Dr. Dave Dubois (NMSU) presented an update on a Border 2020 Project funded that looks like the public health risk of exposure to dust from bare cattle ranchers and unpaved streets and preventative measures that can be taken. In addition, Roberto Nunez, of the Village of Columbus, presented an overview of Columbus's drinking water reserves osmosis system, which helps to meet the water quality standard for fluoride and arsenic. The meeting concluded with attendees providing input on the rural taskforce's priorities for 2017 – 2018. Comments regarding the priorities included water quality and safe drinking water access to residents of the rural area, as well as, addressing issues with waste management for the region.

(left to right) Carlos Rincon (EPA), Gerardo Tarin (SEMARNAT), Noel Dolores Loya Lozano (Mayor of Ascención), Briselda Duarte (BECC), Ramon Rodriguez Prieto (Mayor of Palomas)

Amistad Taskforce Public Meetings

(Texas-Coahuila-Tamaulipas-Nuevo Leon Regional Workgroup – 4State RWG)

The Amistad TF held its 2016 public meeting on December 6 in Eagle Pass, Texas. About 40 persons attended the meeting that included attendees from city of Eagle Pass, Maverick County, Departamento de Ecología de Piedras Negras, Departamento de Ecología de Ciudad Acuña, Environmental Protection Agency (EPA) Region 6 El Paso office, Secretariat of Environment in Coahuila (SEMA), Secretariat of the Environment and Natural Resources in Tamaulipas (SEMARNAT) –by Go to Meeting, Border Environment Cooperation Commission (BECC), Mexican Consulate in Eagle Pass, non-profit organizations and academic institutions.

There were four presentations during the meeting. Dr. Carlos Rincon shared updates on the projects under the 2015-2016 Border 2020 Action Plan for the Amistad Task Force. There are 15 projects in the Action Plan, one is from the U.S. side and 14 are being developed on the Mexican side.

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Amistad TF Meeting December 2016

Oscar Flores, Secretariat of Environment in Coahuila (SEMA), provided an update on a Border 2020 funded project focused on a used electronics program the Secretariat is developing. The objectives of the project are to develop storage capacity of used electronics, prevent the unauthorized disposal of this type of waste in landfills, lots and near water bodies, educate the general population on used electronics recycling, and strengthen recycling methods for specific electronic materials.

Victor Ibarra of the Technological Institute of Piedras Negras reported on the status of the used electronics awareness project in Eagle Pass and Piedras Negras that was funded under the Border 2020 Program. The objective of the project is to promote the integrated management of used electronics and identify waste flows. More than 80% of the project has been completed.

Vanessa Rosales-Herrera of the City of Eagle Pass presented on the plastic bag ordinance passed by the Eagle Pass City Council in February 2017. The objectives of the ordinance are to protect the environment from the adverse effects of plastic bags, protect life and property from flooding, protect fish and rivers, and promote the overall beautification of the city of Eagle Pass.

The final portion of the meeting had attendees conduct a working session where they split into groups by goal (air, water, waste, emergency response, compliance & enforcement, and environmental health/education) to get any input from stakeholders on environmental priorities and projects sent to EPA for consideration for the next Border 2020 Request for Proposals and the Two-Year Action Plan (2017-2018).

Falcon Taskforce Public Meetings

(Texas-Coahuila-Tamaulipas-Nuevo Leon Regional Workgroup – 4State RWG)

The Falcon TF held its 2016 annual public meeting on December 7, 2016 in Laredo, Texas. The meeting was attended by 42 people that included officials from the city of Laredo, Municipio de Nuevo Laredo, Municipio de Anáhuac, Environmental Protection Agency (EPA) Region 6 El Paso office, Secretariat of Environment in Tamaulipas (SEDUMA)—through Go To Meeting, Secretariat of the Environment and Natural Resources in Tamaulipas (SEMARNAT) –through Go to Meeting, Secretariat of Sustainable Development in Nuevo Leon—through Go To Meeting, PROFEPA Tamaulipas—through Go To Meeting, Border Environment Cooperation Commission (BECC), Mexican Consulate in Laredo, non-profit organizations and academic institutions.

Dr. Carlos Rincon represented EPA at the meeting. Dr. Carlos Rincon shared updates on the projects under the 2015-2016 Border 2020 Action Plan for the Falcon Task Force. There are 16 projects in the Action Plan.

Dr. Juan Antonio Herrera of the Autonomous University of Tamaulipas (UAT) discussed the status of a legislative reform and environmental education project that was funded by the Border 2020 Program. The objectives of the project are to propose reforms to environmental regulations in Nuevo Laredo, train inspectors, and measure the level of environmental awareness through surveys. Mr. Herrera reported on several activities under the project that included:

- Educating 250 people through interviews with local authorities about regulations to lay the ground for legislative proposals. The results of the surveys showed that there is a lack of or we

needed to strengthen recycling and water conservation programs.

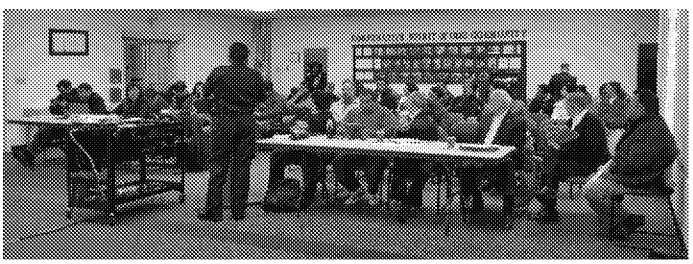
- Staff of UAT collaborated with the Nuevo Laredo ecology staff and Comisión Municipal de Agua Potable y Alcantarillado (COMAPA - Nuevo Laredo's water system) to train schools on recycling and water conservation. The original goal was to train 150 people but the project has trained over 750 people on these topics.
- Steve Landin, Fire Chief of the Laredo Fire Department discussed the Laredo and Nuevo Laredo Joint Emergency Response Contingency Plan updated in July 2016. The plan doesn't allow staff of the Laredo Fire Department to cross equipment or to physically respond to contingencies, but it identifies communication and training as important components. Chief Landin stressed the importance of organizing a tabletop and contingency exercise with Nuevo Laredo officials in one of the crossing points.
- Marco Garza of the Technological University of Nuevo Laredo provided a status on a wastewater treatment project. The university is partnering with Caterpillar (a global equipment services company) to design a project to extend the connection of their sewer lines on campus to the municipality's sewer system.

The final portion of the meeting included a working session where attendees grouped by goal come up with environmental priorities and projects for the next Border 2020 Request for Proposals, sent to EPA Border Program staff, and the Two-Year Action Plan (2017-2018).

Gulf Taskforce Public Meetings

(Texas-Coahuila-Tamaulipas-Nuevo Leon Regional Workgroup – 4State RWG)

On December 9 ,2016, the Gulf Taskforce held its annual public meeting in Harlingen, Texas. Approximately 50 people attended including officials from the cities of Reynosa, Valle Hermoso, Matamoros, Pharr, San Juan, Brownsville, Harlingen, as well as representatives from Matamoros and Valle Hermoso water and wastewater utilities, Matamoros commissioner and Matamoros local state representative, Secretaría de Desarrollo Urbano y Medio Ambiente (SEDUMA), Secretaría de Medio Ambiente y Recursos Naturales (SEMARNAT), Secretary of State Colonias staff and Lower Rio Grande Valley (LRGV) Development council staff. Maria Sisneros, from the Environmental Protection Agency (EPA) El Paso Border Office attended the meeting representing EPA Sam Coleman who serves as the 4-State RWG Federal Co-Chair. Opening remarks for the meeting included: Lic. Jesus Gonzales Macias, SEMARNAT- Tamaulipas Delegado, Border 2020's federal Co-chair, Claudia Lozano of the Texas Commission on Environmental Quality (TCEQ - representing Chairman Bryan Shaw Border 2020's State co-chair) John Wood, Brownsville Navigation District Commissioner and Gulf Task Force US Coleader, Jesus de la Garza, Matamoros Mayor and Gulf Task Force Mexican Co-facilitator, Jim Darling, McAllen Mayor and Delfino Ramirez, representing Reynosa's Mayor.



Cirilo Rodriguez, McAllen Fire Department, addresses participants at the December 9 meeting

Six presentations were conducted during the meeting:

- Gulf Task Force' Two-year Action Plan (2015-2016) (Maria Sisneros, EPA). Ms. Sisneros

provided updated information on the 2015-2016 Action Plan for the Gulf TF, which included 24 projects.

- Binational Tabletop and Functional Exercises between the cities of Harlingen and Matamoros, City of Harlingen (Cirilo Rodriguez, McAllen Fire Department). Mr. Rodriguez presented on a Border 2020 funded project that provided 40 HR-HAZMAT training to Matamoros, Tamaulipas responders. The grant also included a binational tabletop and function exercise.
- Let's Clean it Up and Green it Up, City of Pharr (Maya Acosta, City of Pharr). Ms. Acosta presented on a Border 2020 funded project whose objectives were to: conduct solid waste disposal events; increase recycling efforts by offering drop off areas around the city; education on recycling; provide curbside recycling to residents, schools and small business; increase electronic waste efforts.
- Strengthen Solid Waste Programs in Rio Bravo and Valle Hermoso, Tamaulipas (Francisco Guerra, SEDUMA Tamaulipas). Mr. Guerra presented on a Border 2020 funded project that focuses on assisting the municipalities of Rio Bravo and Valle Hermoso, Tamaulipas to conduct a diagnosis to develop a comprehensive management workplan on municipal solid waste
- Emergency Preparedness in Colonias (Josue Ramirez, Texas Housing, and Ramona Casas, ARISE). Both speakers provided an overview of the conference held in August 2016. Both these two organizations along with EPA's Border Program, EPA's Environmental Justice Program and other stakeholders hosted a conference in August 2016 to provide information to Colonia Residents on Emergency Preparedness efforts, before, during and after an emergency event.
- Matamoros' Clean Beach Certification (Eduardo Castilla, City of Matamoros). Mr. Castilla provided information on Matamoros' clean beach certification whose objectives are to: promote the sanitation of the beach, the watershed and water bodies associated with associated with the beach; prevent pollution in order to protect and preserve beaches, respecting native flora and fauna; improve the quality of life by protecting the health of users; and raise the competitiveness levels of tourist destinations with coordinated actions of the various orders of Government and private, social and academic sectors.

Texas-New Mexico-Chihuahua Regional Workgroup Public Meeting

Regional Workgroup Leadership & Co-Chairs. (left to right) Arturo Blanco (EPA), Dra. Cecilia Olague Caballero (SDUE), Sam Coleman (EPA), Juan Carlos Borrego (NMED), Steve Niemeyer (TCEQ), and Evaristo Cruz (Ysleta del Sur Pueblo)

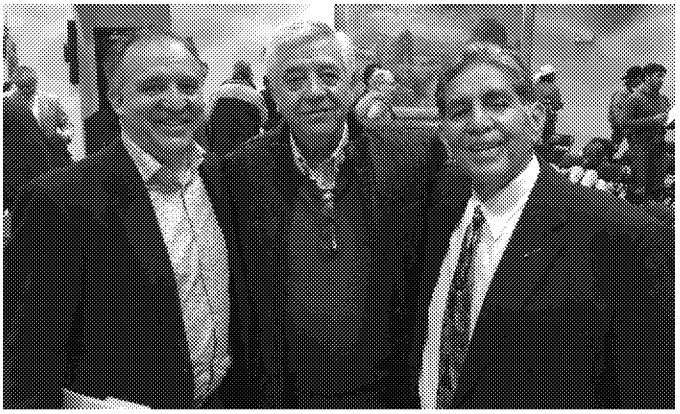
Sam Coleman, US Co-Chair for the Texas-New Mexico-Chihuahua Regional Workgroup (3-State RWG), participated on February 14, 2017, in the regional workgroup's 2017 public meeting held at the Ysleta del Sur Tribal Court in El Paso, Texas. The meeting was also chaired by the 3state RWG State (Dra. Cecilia Olague Caballero – Secretaría de Desarrollo Urbano y Ecología (SDUE); Steve Niemeyer represented Chairman Bryan Shaw – Texas Commission on Environmental Quality (TCEQ), Juan Carlos Borrego, Deputy Secretary for New Mexico Environment Department (NMED) and Tribal Co-Chair (Evaristo Cruz representing Pueblo Governor Carlos Hisa, from Ysleta del Sur Tribe). Mexican Co-Chair Brenda Rios was unable to attend the 3state RWG meeting but briefly addressed participants via phone at the beginning of the meeting. Each of the federal, state and tribal co-chairs provided

input of their respective agency work and priorities along the border. The public meeting was attended by 51 stakeholders from government, academia and private sectors, as well as, NGOs.

The meeting was comprised of ten presentations, a presentation on an overview of the Border 2020 Indicators Report published in December 2016 and each of the nine Taskforces within the 3-State RWG. The taskforce co-leaders each presented an overview of priorities and ongoing projects to be included in the Two-year Workplan (2017-2018) for the regional workgroup. In addition, each highlighted recently completed projects and their impact within the community. Presentations and minutes from the meeting are available on the Border 2020 Program website.

Attendees at 3-State RWG Meeting on February 14, 2017

Other notable news from the meeting included the announcement of U.S. Co-Chair for the Water Taskforce, Lorenzo Arriaga, stating that he would be retiring from the taskforce as co-chair. The U.S. – MX Border Program would like to thank Mr. Arriaga for his service. Mr. Arriaga served as the Water Co-Chair during the Border 2012 and Border 2020 Program.



(Left to Right) Rene Franco Ruiz(Waste TF MX Co-chair), Rene Franco Barreno (Water TF MX Co-Chair) and Lorenzo Arriaga (former Water TF US Co-Chair)

Texas-Coahuila-Tamaulipas-Nuevo León Regional Workgroup Public Meeting

On February 14, 2017, the Texas-Coahuila-Nuevo Leon Regional Workgroup (4-State RWG) conducted their annual 2017 Public meeting. The binational meeting was attended by approximately 79 stakeholders from government, academia, non-governmental organizations, private industry and general public. The purpose of the RWG Annual Meeting was to present the progress of binational projects in the two-year Action Plan (2015-2016) and to agree on and identify priorities that can be included in the two-year Action Plan (2017-2018).

Leadership panel at the 4-State RWG meeting on February 16, 2017

The City of Laredo Mayor, Hon. Pete Saenz, and Council Member, Lic. Carmen Canturosas Vilarreal, representing Mayor Enrique Rivas of Nuevo Laredo,

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welcome the meeting participants. Sam Coleman, U.S. Federal Co-chair for the regional workgroup, along with Lic. Jesús González Macías, Mexican Federal Co-Chair who joined via Go-to-Meeting, presided over the meeting, along with the other US and Mexican State Co-Chairs. Each of the leadership partners provided a message regarding their Agency participation in the Border 2020 program, their objectives and strategies in their Focused Entities and they generally discussed the commitment of their States to the efforts for follow-up of this Binational Program.

Thirteen speakers presented on the progress of each of the Taskforces (Amistad, Falcon, Gulf), as well as, regional points of interest. The Taskforce Co-leaders presented the Progress Report of each of the subcommittees, the objectives achieved and the projects still in progress, as well as, the priorities and strategies in these regions. The final session of the meeting concluded with a public comment period where attendees presented their concerns and proposals to the RWG leadership.

Public comment session during RWG meeting.

Participants from both the US and Mexico at the end of the RWG meeting

EPA Initiatives in Brownsville, Texas

In December 2016, the Environmental Protection Agency (EPA) selected the community of Brownsville to receive technical assistance for Creating Equitable Development under Building Blocks for Sustainable Communities Program. The technical assistance provided will help evaluate their priorities to work toward equitable development and support community goals for housing, local businesses, jobs, transportation, and preserving opportunities for residents. Technical assistance is delivered by EPA staff and EPA-hired consultant teams. Each technical assistance project includes:

Public engagement through a one- to two-day workshop; Direct consultation with relevant decision-makers and; A memo outlining specific steps the community could take to implement the ideas generated during the workshop.

The City of Brownsville, Texas has been working with EPA on a Sustainability Initiative. In June 2016, EPA announced it is providing the city with technical assistance with sustainable design strategies under its Greening America's Communities (GAC) program.

Under the GAC Program, Brownsville will add green infrastructure to the International Greenway along the U.S.-Mexico border to manage stormwater, create a more walkable street, and add shade and plants to cool an area experiencing higher temperatures due to climate variability. A design team funded through the program has been working with the city to implement the project. EPA funds a team of designers to visit each community to produce schematic designs and exciting illustrations intended to catalyze or complement a larger planning process for the pilot neighborhood. Additionally, these pilots are often the testing ground for citywide actions, such as changes to local codes and ordinances to better support environmentally sustainable growth and green infrastructure. The design team and EPA, along with partners from other

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federal agencies, also help city staff develop specific implementation strategies.

EPA at Work in the Community

Border Office Presentation on "International Air Pollution and International Law"

View of El Paso, Texas -Ciudad Juárez, Chihuahua from Ranger Peak in Franklin Mountains

On March 14, 2017, Dr. Carlos Rincon of the Environmental Protection Agency (EPA) Border office presented to approximately 30 high school students a 35 min presentation on "International Air Pollution" at the Chamizal Theatre in El Paso, Texas. The presentation is part of a week long program a University of Texas at El Paso (UTEP) student, in their Environmental Justice Club helped to organize. The high school students were part of a Magnet Program, in the Socorro Independent School District, called Libertad which focuses on preparing students to pursue careers in Environmental Law and Environmental Policy Making. The Magnet Program received a grant from the Hatton W. Sumners foundation whose mission is "For the Study and Teaching of the Science of Self-Government".

Dr. Rincon presented on air quality issues in the Paso del Norte and its relationships with the Border 2020 Program. The presentation highlighted the work of the Joint Advisory Committee (JAC): Projects from the JAC worked, how partners interacted, what it took to achieve the international projects and the challenges that exist. The presentation highlighted the bottom up approach of the Border Program, how the JAC is a model for other groups where, local stakeholders sometimes drive the solutions to the challenges that exist.

Activities such as this gives EPA Border Program staff the opportunity to engage and expand public awareness in the education community on the environmental issues the Border Program helps to address.

Texas Parks & Wildlife 16th year Anniversary Celebration of Aerial Tramway

On Saturday, March 28, 2017, the Environmental Protection Agency (EPA) Border Staff, Maria Sisneros, participated in the Texas Parks & Wildlife 16th Anniversary Celebration of Aerial Tramway state park. Over 1,036 attended the event. EPA hosted a booth at the event that distributed EPA publications for adults and children on clean air, clean water, waste management and recycling and environmental health. EPA is committed to engaging the public and bringing awareness to environment issues in the Paso del Norte Region.

General public at Texas Parks & Wildlife outreach event on March 18

Region 6 Environmental Protection Agency Border Team Members

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R6 U.S. Federal Co-Chair for Border 2020
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EJ, Tribal and International Affairs Office 214-665-3182

- **Japhet Cruz- OEJTIA/Border** Bilingual Environmental Specialist 214-665-3176

Smith, Rhonda – Deputy Director..... 214-665-8006

- **Laura Gomez Rodriguez**- Team Lead, White House Council on SC2 956-578-1547
- **Paula Flores-Gregg,** Texas EJ and Border Liaison 214-665-8123

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4050 Rio Bravo, Suite 100, El Paso, TX 79902
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- Director, R6 El Paso Border Office, Air Quality, Environmental Compliance Assistance, Texas / Chihuahua Rural Task Forces, and TX/Coahuila/Nuevo Leon / Tamaulipas Task Forces

Sisneros, Maria..... ext. 224

- TX/Coahuila/Nuevo Leon/Tamaulipas Regional Workgroup Liaison
- Water Quality, Emergency Preparedness and Response TF; Environmental Health Task Force; Environmental Education TF for TX/NM/CHIH Regional Workgroup
- Program Communications and Outreach
- Publications and Website

Tellez, Debra ..... ext. 229

- NM/TX/Chih Workgroup Liaison
- Chihuahua / New Mexico Rural TF
- NM-EJ Liaison

Vasquez, Maria ..... ext. 222

- El Paso Border Office Manager

Office of External Affairs
Gray David - Director..... 214-665-2200
Wang, Jonathan 214-665-2296

- Border/EJ Liaison

Vela, Austin 214-665-9792

- Congressional Liaison, NM & TX

Office of Regional Council
Payne Jr., James O 214-665-8170

- Office of Regional Counsel

Benn Harrison 214-665-2139

- Deputy Regional Counsel

Multimedia Division (Goals 1 and 3)
Stenger, Wren - Director..... 214-665-6583
Price, Lisa - Deputy Director..... 214-665-6744
Goal 1: Reduce Air Pollution
Guy Donaldson 214-665-7242

- Chair, Joint Advisory Council & Technical Advisor for BECC grants on Air

Goal 3: Promote Materials Management, Recycling and Clean Sites
Bellew, Renee 214-665-2793

- Waste Policy Forum Liaison
- Technical Advisor for BECC grants on Waste

Lawrence, Rob..... 214-665-6580

- Energy and Climate Change

Selzer, Paula 214-665-6663

- Children's Public Health & Technical Advisor for BECC grants on Children's Health

Wilson, Monica 214-665-6719

- Grants Administration

Water Division (Goal 2)
Honker, Bill- Director..... 214-665-3187 **Goal 2: Improve Access to Clean and Safe Water**
Tellez, Gilbert 915-533-7273

- Water Policy Forum Liaison & Technical Advisor for Border Water Infrastructure

Gandara, Salvador 214-665-3194

- Project Officer for BECC, NADB Infrastructure Grant

Ruiz, Thomas 214-665-3153

- Community Outreach Coordinator

Superfund Division (Goal 4)
Edlund, Carl – Director 214-665-8124
Goal 4: Enhance Joint Preparedness for Environmental Response
Todd, Brandi 214-665-2233

- Emergency Preparedness and Response
- Border 2020 Emergency Preparedness and Response Policy Forum Liaison
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Message

From: Armando Herrerias [aherrerias@cocef.org]
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CC: Joaquin Marruffo [jmarruffo@cocef.org]; Jorge Hernandez [jhernandez@cocef.org]; Briselda Duarte [bduarte@cocef.org]; jtorres@cocef.org
Subject: schedule for the quarterly reports

Hi
As a follow-up to the agreements reached at the meeting on November 17, below is the schedule for the quarterly reports for each of the active projects.
The information that is currently in the BECC DropBox is also indicated.
BOX link https://cocef.box.com/v/R6B2020PROJETCS

Project Id	Name	Goal	State	Awarded Amount	Start Date	TAA	QR1	QR2	QR3	QR4
20258	Determining the Ideal Bioswale Porous Material for South Texas Stormwater Management.	Goal 2	TX	$ 26,022	December 2014	BOX	BOX	BOX	BOX	BOX
20286	Comprehensive management of electronic waste project in Piedras Negras and Eagle Pass, Texas.	Goal 3	COAH	$ 36,054	January 2016	BOX	BOX	BOX	October 2016	January 2017
20288	Environmental services in well-managed rangelands of the Chihuahuan Desert.	Goal 1	CHIH	$ 41,388	Jan 01,2016	BOX	BOX	BOX	January,2017	April 2017
20290	The Rio Grande/Río Bravo Water Quality Initiative.	Goal 2	TX	$ 58,575	March 2016	BOX	BOX	BOX	December 2016	Mach 2017
20291	Fat, Oil and Grease (FOG) Public Outreach Campaign in	Goal 2	TX	$ 25,000	February 2016	BOX	BOX	BOX	BOX	February 2017

	Brownsville, Texas.									
20293	Law Reform and Environmental Education in Nuevo Laredo, Tamaulipas.	Goal 5	TAMPS	$ 11,000	February 2016	BOX	BOX	BOX	To be delivered	February 2017
20294	Clean in up program at City of Pharr, Texas.	Goal 3	TX	$ 36,390	February 2016	BOX	BOX	BOX	BOX	February 2017
20295	Electronic Waste Management project in Ciudad Acuna, Piedras Negras and Guerrero in Coahuila.	Goal 4	COAH	$ 16,777	February 2016	BOX	BOX	BOX	BOX	February 2017
20297	Decision Making Tool (DMTG) for Stormwater in The lower Rio Grande Valley in Texas.	Goal 2	TX	$ 38,885	February 2016	BOX	BOX	BOX	BOX	January 2017
20298	Sewage sludge and biosolids Agricultural Soils project in the Valle de Juarez.	Goal 3	CHIH	$ 48,510	March 2016	BOX	BOX	BOX	December 2016	Mach 2017
20302	Green Infrastructure in Public Space on Valle del Sol Avenue in Juarez, Chihuahua.	Goal 2	CHIH	$ 43,204	March 2016	BOX	BOX	BOX	December 2016	Mach 2017
20303	Healthy and resilient housing in west Ciudad Juarez, Chihuahua.	Goal 2	CHIH	$ 50,000	April 2016	BOX	BOX	BOX	January 2017	April 2017

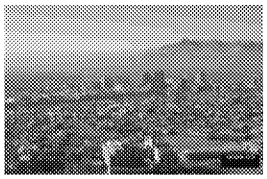
Thank you
Armando

EPA Region 6: Border Program News

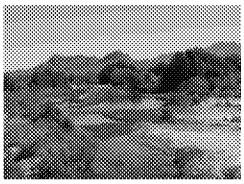
November 2016 – March 2017

www.epa.gov/border2020

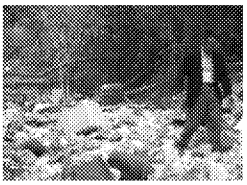
United States Environmental Protection Agency



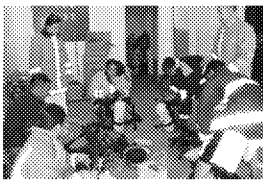
Reduce Air Pollution



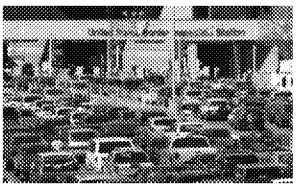
Improve Access to Clean & Safe Water



Promote Materials Management & Clean Sites



Joint Preparedness & Emergency Response



Compliance Assurance & Environmental Stewardship

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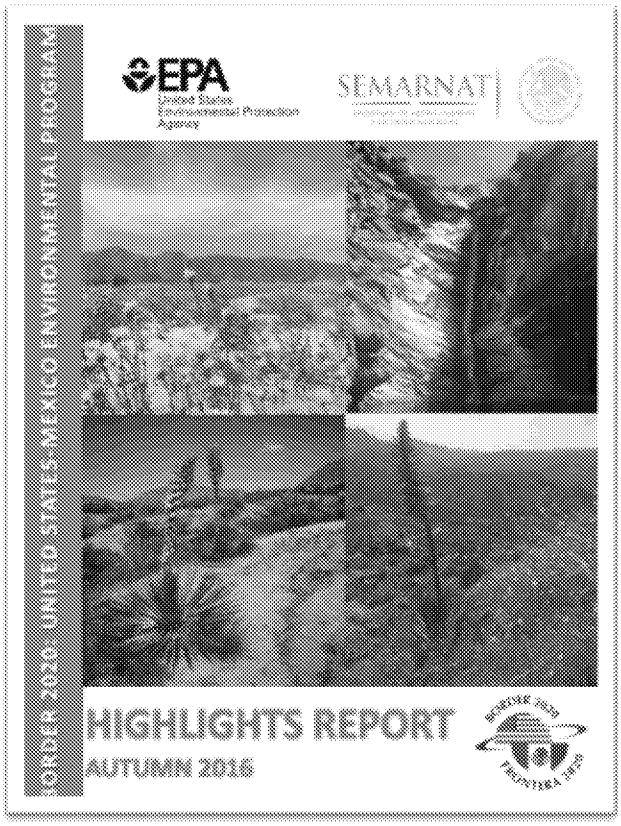
Border 2020 Highlight Report



The report contains highlights of the achievements and efforts of the Border 2020 Program during 2015-2016. During this time thirty-five projects were concluded to improve conditions facing border communities and an additional eleven in the implementation phase. These projects have addressed challenges of clean water, air quality, proper management of solid waste, environmental emergency response and

environmental stewardship. Sixteen (16) Region 6 projects were highlighted in this report.

Texas-New Mexico-Chihuahua Regional Workgroup:

- Improving air quality monitoring in Ojinaga (Goal 1: Air)
- New Mexico-Chihuahua border study on air quality (Goal 1: Air)
- Urban keyhole gardens rainwater-harvesting techniques (El Paso Water Utilities) (Goal 2: Water)
- Bio solids recycling agriculture at Juárez valley (Goal 3: Waste)
- Tire amnesty collection events in El Paso County (Goal 3: Waste)
- Ysleta del Sur Pueblo Community Collection Center (Goal 3: Waste)
- Regional plan for waste management in Ascension and Janos (Goal 3: Waste)
- Hazardous railcar leak mitigation preparedness in the Paso del Norte region. (City of El Paso) (Goal 4: Emergency Response)

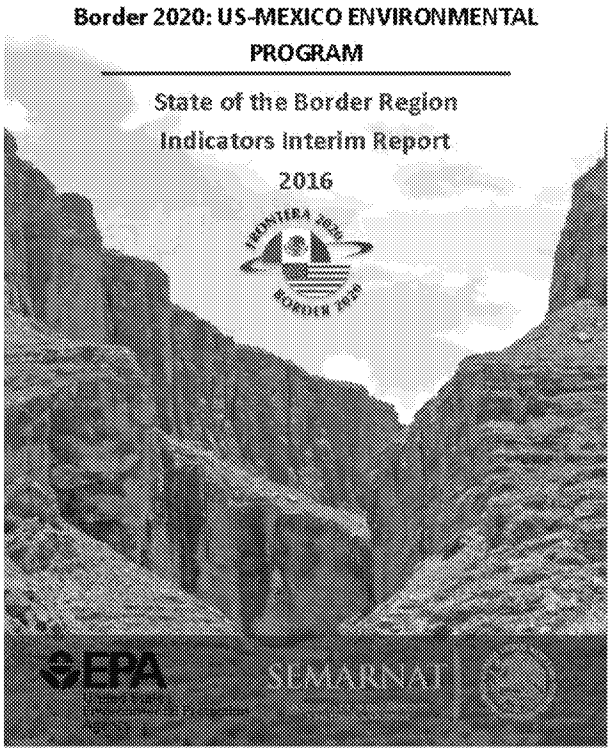
Texas-Coahuila-Nuevo Leon-Tamaulipas Regional Workgroup:

- Characterization of drayage vehicle activities and emissions in the Laredo air shed (Goal 1: Air)
- Management of fat, oil and grease in Nuevo Laredo (Goal 3: Waste)
- Conservation of the Arroyo Las Vacas in Acuña (Goal 3: Waste)
- Waste generation diagnostic for the Northeast Border Region (Goal 3: Waste)
- Alamo Recycling Team Includes Everyone (ARTIE) Program (Goal 3: Waste)
- Supporting Pharr efforts to maintain a clean community (Goal 3: Waste)
- Bi-national exercises at the cities of Harlingen and Matamoros (Goal 4: Emergency Response)
- Promotoras-led environmental health education to children in Eagle Pass (Environmental Education & Environmental Health)

Both Regions / Borderwide:

- COOPERATION TO IMPROVE ENVIRONMENTAL HEALTH (Environmental Protection Agency (EPA) – US/MX Border Health Commission Collaborative Agreement)
    - Children's Symposium (El Paso September 2015)
    - Promotora Trainings
- Enhance joint preparedness for environmental emergencies
- End-of-life Vehicles Guide
- U.S.-Mexico Border Water Infrastructure Program.

State of the Border: Indicators Interim Report (2016)



The State of the Border Region 2016 Interim Report provides information on the status and trends of environmental quality in the U.S.-Mexico border region. In doing so, it also illustrates progress made under the U.S.-Mexico Border 2020 program. This report builds on the flagship 2005 State of the Border Region report and the 2010 State of the Border Region report. It refreshes and updates key indicators from 2010 and adds new indicators to reflect new areas of Border 2020 focus and activity. As with previous reports, this report is structured around the goals of Border 2020 with chapters on air, water, land, environmental readiness and response, and enforcement and compliance.

Indicators are presented with brief data source information below each indicator. Complete underlying data and details on indicator data sources are available in a companion document, State of the Border Region 2016 Interim Update: Indicator Metadata and Data Tables.

Types of Indicators:

- ***Pressure:*** Indicators that describe human activities that place stresses on the environment.
- ***Need:*** Indicators that inform our understanding of the magnitude or type of need for a programmatic response.
- ***Output:*** Indicators that measure activities, products, or services resulting from a project or program.
- ***Outcome:*** Indicators that measure changes in the state of the environment or the effects of environmental conditions on human and/or ecological health

REPORT INDICATORS

Goal 1: Air

- Number of Days Exceeding Air Quality Standards in Border Monitoring Areas

Goal 2: Water

- Number of Unserved Homes Connected to Safe Drinking Water through the Border Water Infrastructure Program
- Number of Unserved Homes Connected Wastewater Collection and Treatment Services through the Border Water Infrastructure Program

Goal 3: Waste

- Per-Capita Municipal Solid Waste Disposal in U.S. Border States and Counties
- Per-Capita Municipal Solid Waste Generated in Mexican Border States
- Number of Electronics Refurbishers and Recyclers in the Border Region Certified to R2 or e-Stewards

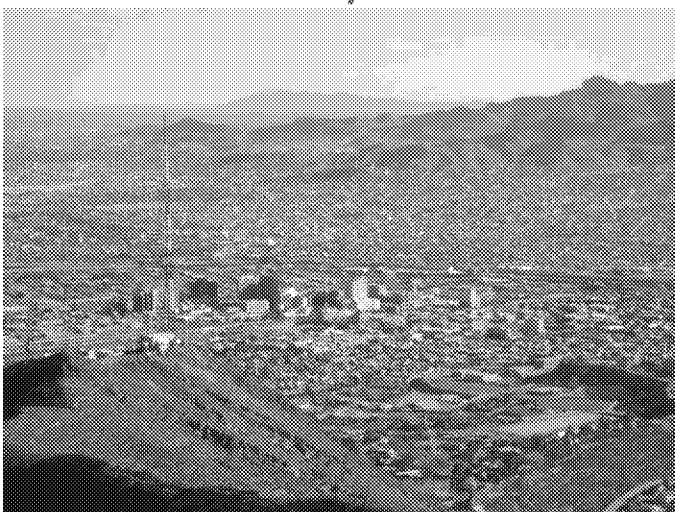
Goal 4: Emergency Response & Preparedness

- Number of Incident Notifications in the Border Region Received by the National Response Center (NRC)
- Number of Incident Notifications in the Border Region Received by the Centro de Orientación para la Atención de Emergencias Ambientales (COATEA) or Centro Nacional de Comunicaciones / Sistema Nacional de Protección Civil (CENACOM)
- Binational Capacity Building and Training Events

Goal 5: Compliance Assistance

- Regulated U.S. and Mexican facilities in the border region
- Number of State and Federal Inspections for Federal Programs in the U.S. Border Region
- Number of Federal Inspections in the Mexican Border Region
- Pollution Reduction from Federal Enforcement Actions in the U.S. Border Region

Joint Advisory Committee



El Paso, Texas - Ciudad Juárez, Chihuahua

On January 19, 2017 the Joint Advisory Committee (JAC) held its 68th Meeting in Ciudad Juárez, Chihuahua, Mexico. A total of 62 people participated, including 6 through Go-To-Meeting. Mayor Armando Cabada, of Ciudad Juárez, welcomed the members of the JAC and public. Arturo Blanco from Environmental Protection Agency (EPA) Office of Environmental Justice, Tribal and International Affairs (OEJTIA) served as the U.S. Co-Chair, as Guy Donaldson was not able to attend the meeting, along with Ana Patricia Martinez from Mexico's Secretaría de Medio Ambiente y Recursos Naturales (SEMARNAT), who serves as the Mexican Co-Chair. During the meeting three new JAC

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members were introduced: Dra. Cecilia O. Olague from the Secretaría de Desarrollo Urbano y Ecología (SDUE) of the state of Chihuahua; Psic. Jesús D. Cárdenas from Comisión Estatal para la Protección contra Riesgos Sanitarios (COEPRIS); and Jürgen Ganser, director for the Department of Ecology for the Ciudad Juárez, Chihuahua.

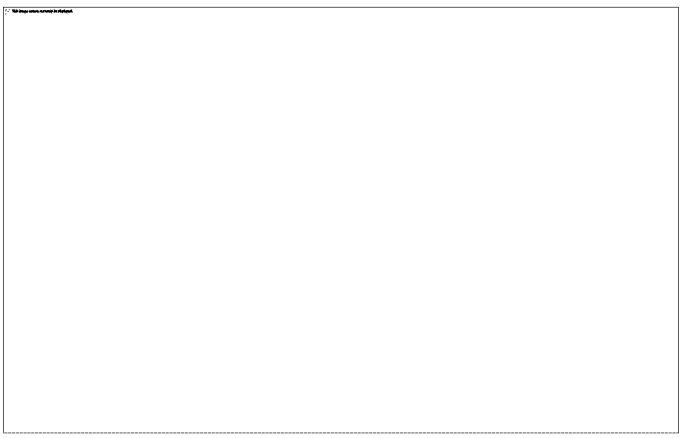
Highlights from the meeting included presentations on the:

- PROAIRE – The program focuses on reversing air quality deterioration of the main cities or areas in the State of Chihuahua through the implementation of measures and actions carried out by the public and private sectors and with participation of citizens, for the protection of public health and the environment.
- Update from Ciudad Juárez Ecology Department on its state vehicle programs, the importation of vehicles, wait times at Port of Entries and air quality associated with POEs, and a health awareness campaign "For Better Air Quality" launched in December 2016 focused to increase citizen awareness on the importance of vehicle inspection program and maintenance.
- Project "Space-time Variation of Heavy Metals in Particulate Material less than 10 micrometers in Ciudad Juárez" by Dr. Alba Corral from the Universidad Autonoma de Ciudad Juárez (UACJ). The study is focusing on 4-years' worth of data to carry out an air quality space-time analysis based on the quantification of PM10 and heavy metals in air filters of the monitoring network and eventually evaluate the presence of heavy metals in biological samples in children in Ciudad Juárez.
- A regional initiative to address public health risks associated with extreme heat by Gregg Garfin from the University of Arizona.
- Cattle Ranching: Building or Destroying the Environment? By Alejandro Carillo from the Fundación Pasticultores del Desierto.

The next meeting for the JAC is set for May 25th in El Paso, Texas at the University of Texas at El Paso (UTEP). For more information on the meeting please visit the Border 2020 website.

The JAC serves as the air taskforce for the Border 2020 Program for the Texas-New Mexico-Chihuahua Regional Workgroup (3-State RWG). More information regarding the JAC can be found at: www.cccjac.org

New arsenic treatment facility begins operating in Tornillo, Texas



Ribbon cutting ceremony for the Tornillo Facility (photo courtesy of BECC)

On March 23, 2017 the El Paso County Tornillo Water Improvement District (EPCTWID) held a ribbon-cutting ceremony for its new Wastewater Collection and Arsenic Treatment Plant which began construction in June 2016. Gilbert Tellez, from Environmental Protection Agency (EPA) Region 6's Water Division - Border Environmental Infrastructure Fund (BEIF) Program was in attendance at the event. The EPA Region 6 BEIF Program provided $3.75 million in grant money for the construction of the project. The project also received $100,000 in technical assistance through EPA Region 6's Program Development Assistance Program (PDAP) that assisted with the preparation of environmental documents and perform a water audit of EPCTWID.

The facility will have the capacity to treat 600 gallons per minute (gmp) to help reduce naturally-occurring arsenic concentration levels, as well as, remove iron and manganese ions. The project also provided first-

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time access to sewer connections to 19 households who were using substandard on-site wastewater disposal systems, eliminating approximately 5,600 gpm of inadequately treated and untreated wastewater.

The United States Department of Agriculture (USDA) Rural Development program also provided funding for additional projects in the community, bringing the total investment of projects to $6.75 million USD, benefitting approximately 1,560 residents.

For more information, visit the North American Development Bank (NADB) website: http://www.nadb.org/pdfs/state_projects/Arsenic%20Treatment%20and%20Wastewater%20Collection%20Project.pdf

Waste Taskforce Public Meeting

(Texas-New Mexico-Chihuahua Regional Workgroup)

On February 7, the Texas-Chihuahua-New Mexico B2020 Task Force Goal 3 for the Promotion of Materials Management, Recycling, Waste Management and Clean Sites held a public meeting, attended by over 35 Taskforce Co-leader's, MC. Rene Franco Ruiz (MX) and Cristina Viesca – Santos (US) , welcomed participants representing from the Procuraduría Federal de Protección al Ambiente (PROFEPA), the Secretaría de Desarrollo Urbano y Ecología (SDUE) Gobierno, Municipalities of Ciudad Juárez and Ascención, Chihuahua Public Works and Ecology department, as well as, private partner, Cementos de Chihuahua, Chihuahua, Cattle Ranchers Association, the University of Texas at El Paso (UTEP), Ciudad Juárez Autonomous University (UACJ) faculty and students and concern citizens along with the Border Environmental Cooperation Commission (BECC). and general public.

The meeting included a brain-storming-session on input on priorities to be included in the Two-Year Action Plan (2017-2018) for the Texas-New Mexico-Chihuahua RWG. Ing. Gustavo Nunez, of Cementos de Chihuahua, presented on how the reutilizes used tires and solid waste in their process to produce co-generation for their pant. The reutilization of the tires is part of a private – public partnership that has existed over several years and has served as a model that highlights how using used tires can become an economic driver for other business. From the partnership, over 6 million tires were eliminated from Ciudad Juárez's landfill by 2015. In 2016, 1.5 million tires were eliminated from the landfill.

COLUSOL presented on a project has been reutilizing waste water sludge in generation of clean energy. Ing. Francisco Sanchez, from Ecorecikla, presented on the events they have partnered with the Municipality of Ciudad Juárez, on recycling and e-waste collection events. Last, Pam Aguirre, who leads the Tire Advisory Committee gave a presentation on private sector participation on scrap tire management in the Paso del Norte Region. Mrs. Aguirre presented on how some local businesses have been reutilizing scrap tires in pavers and tiles. In addition, the City of El Paso has done several paving projects using crumb rubber. Mrs. Aguirre presented on Tire Amnesty Days that three local communities (Lower Valley of El Paso, City of San Elizario and Village of Vinton) have been having on a regular basis. Last, two new tire bills were proposed by Senator Rodriguez to address the issue of scrap tires in Texas.

Waste Taskforce attendees in Ciudad Juárez, Chihuahua

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Waste Taskforce Meeting: Tire Advisory Committee (TAC)

(Texas-New Mexico-Chihuahua Regional Workgroup)

On March 7 the TAC met to discuss ongoing activities from committee members. Topics on the agenda included discussion of the Texas House Bill 490, introduced by State Rep. Mary Gonzalez, regarding "Tire Dumping Enforcement Grant Program", and Senate Bill 570, introduced by State Senator Rodriguez, Status of Tire Haulers in New Mexico. The three other committees: Enforcement Working Group, Ends Markets Working Group and Securing Funding Working Group did not have any updates to present. Participants included representatives from EPA El Paso Border Office, City of Vinton, San Elizario, private companies–3 Pesetas, Michelin Tires, (TCEQ) Texas Commission on Environmental Quality, New Mexico Environment Department (NMED) and others.

The TAC was formed from a Border 2020 Goal 3 workshop held in 2014 that focused on rethinking scrap tires as a resource – not a waste. The TAC was one of four actions from the workshop, with the goal of establishing a permanent scrap tire advisory committee in the Paso del Norte Region that meets regularly to address the topic of scrap tires. The next TAC meeting is expected to take place in September 2017.

Environmental Education Taskforce Public Meeting

(Texas-New Mexico-Chihuahua Regional Workgroup)

The Border 2020 Environmental Education Taskforce held a public meeting, attended by over 60 stakeholders, on February 1, 2017 in El Paso, Texas. Participants included University of Texas at El Paso (UTEP) faculty and students, US-Mexico Border Health Commission (BHC or Commission), Mexican Consulate, City of El Paso representatives, Ciudad Juárez City Staff, Mexican university faculty, U.S.-Mexico Border Health Commission, Border Environmental Cooperation Commission (BECC), NGOs, private business and general public.

Participants at the Environmental Education Taskforce meeting on February 1, 2017.

The meeting included five presenters: Dr. Bruce San Filippo (Border 2020 Environmental Health TF Co-leader); Dra. Verónica González Sepúlveda (Ciudad Juárez Office of Sustainability); Patricia Juárez-Carillo (UTEP); Esmeralda Cervantes Rendón (El Colegio de Chihuahua) and Maria Sisneros (Environmental Protection Agency (EPA) Border Office).

Dr. Filippo, who also represents the BHC in New Mexico, presented on the Commission's initiatives along the border which includes a strong push on training and empowering promotoras. The Commission has been a partner with EPA on their children's health symposium and promotora trainings that took place in 2015-2016 throughout several cities along the Texas border. Dr. Filippo also highlighted several local projects focused on Education on Heat Resiliency and air quality.

Dr. González who was hired as the Chief Resiliency Officer for Ciudad Juárez under the Rockefeller Foundation Grant, presented on Ciudad Juarez's sustainability initiatives. Through several public forums five initiatives were identified under the program. In addition, the office has already begun to undertake several projects focuses on bringing health awareness on extreme heat events, green infrastructure and a woman's program on "Safe Perimeter/Environment"

Dr. Juárez-Carrillo presented on several activities that took place in 2016 with UTEP. UTEP in April 2016 held a public forum focused on "Environment, Social Justice & Sustainable Development".

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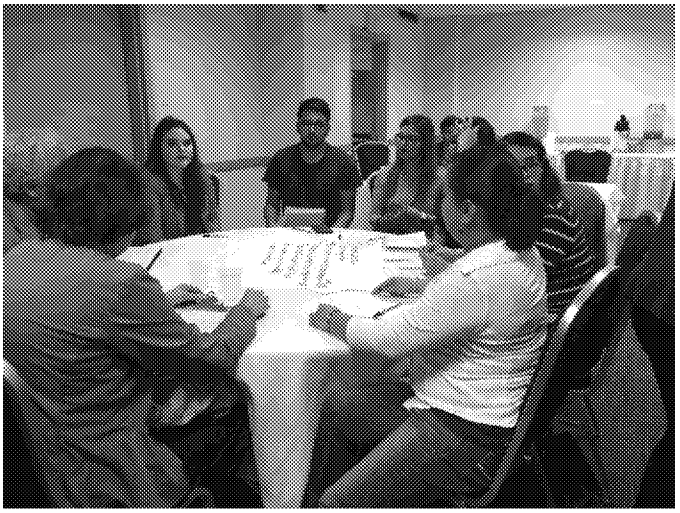
Participants on April 2 Public Forum on "Environmental, Social Justice & Sustainable Development"

During the forum participants stated that there needs to be more actions towards addressing basic needs (i.e. housing, energy, water, food, etc.); more empowerment of a broader range of stakeholders on the issues through education, communication, risk awareness and knowledge transfer; promotion of a cohesive and engaged community through social connectivity and community participation; and also learn what local government is doing (i.e. projects and policy).

Esmeralda Cervantes presented on a 3-day conference focused on "Renewable energy and Sustainability" that took place in October 2016 in Ciudad Juárez attended by over 353 participants. The conference focused on renewable energy and sustainability and how to address social problems. The conference highlighted the continued need to educate the public on the issue and ensuring they are involved in various forums and activities.

Maria Sisneros presented on the 3-State RWG priorities under the Two-Year Action plan (2016-2017) and a summary of the previous Action Plan.

The final portion of the meeting included conducting a "World Café" where participants broke up into five groups to discuss what should be the priorities for the taskforce, what are the challenges and how to address them. The results of the activity were presented at the February 14 Regional Workgroup meeting.



World Cafe activity with participants at the EETF mtg.

Environmental Health Taskforce Public Meeting

(Texas-New Mexico-Chihuahua Regional Workgroup)

The Environmental Health Taskforce public meeting took place on March 30, 2017. Participants included representatives from U.S.-MX Border Health Commission (BHC or Commission), Las Cruces City, New Mexico Department of Health, Border Environmental Cooperation Commission (BECC), Doña Ana County, University of Texas at El Paso (UTEP) and Texas Commission on Environmental Quality.

The meeting had six presenters. A brief summary of each is presented below.

Lisa LaRoque from the City of Las Cruces highlighted some of the city's ongoing efforts to address heat resiliency. Projects currently ongoing include a green infrastructure project focused on creating a "green Corridor" to connect two large major streets with a walking and cycling pathway. A second project will focus on capturing stormwater and using it to irrigate public spaces. A third project is a partnership with utilities where people can be given a tree to plant in front of their home to create more shade. A fourth project is a collaboration with City of El Paso and Juárez on a health assessment survey on extreme heat. During the month of May, the City of LC along with El

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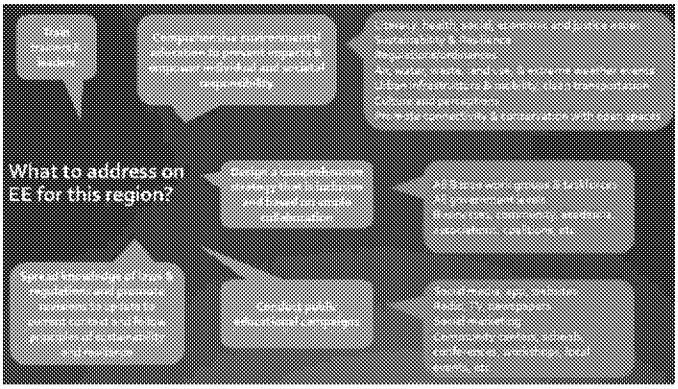
Paso Juárez will have several extreme heat outreach events to the public.

Jose Velasquez from the Commission provided a presentation on the Commission's efforts to enrich and build capacity with promotoras. These efforts are also part of a collaboration with EPA. During June, the US-MX BHC along with the 10 border states will host a binational "Vector-borne Diseases" conference in El Paso.

Claudia Macias from NM Dept. of Health gave an overview of New Mexico's Promotora history and Certification Volunteer Program (CVP). Currently there are 120 certified promotoras in the state of NM. The certification program consists of 100 hours focused on developing 10 core promotora competencies. The health department looking into growing the promotora network. The state of NM is the second state in the US to have legislation recognize utilizing Medicaid funds to be used to reimburse the work promotoras do.

Patricia Juárez, US Coleader of Environmental Education and Sustainability Taskforce (EESTF) of Border 2020, presented over overview of the EESTF public meeting held February 1. During the public meeting the following were stressed as priorities on environment and environmental health: train the trainers; comprehensive environmental education; increase literacy - education empowers your community to make decision (geared towards promotoras, leaders, etc.); conduct public education campaigns in a language and medium they can understand; strategy that includes various sectors; spread the knowledge of laws and regulations to promote environmental literacy.



EETF Public Input Priorities & Needs

Jagan Butler from the Border Environmental Health Coalition (BEHC) presented on Environmental Literacy. Overall it was an overview on how the public doesn't really understand the environment and its effects on human health and vice versa, people and their effect on the environment. Environmental Literacy is needed in the community to understand this relationship. Environmental Health doesn't have to be a negative thing but if we have clean air, water and good food source then that promotes good environmental Health.

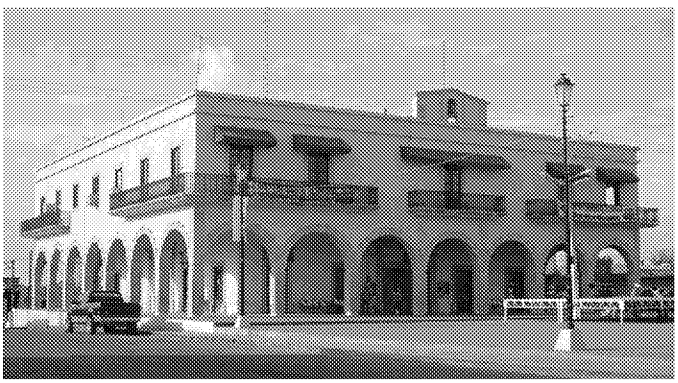
Ken Scholar from Doña Ana County Vector Control Program, presented on some of the Counties activities the county is taking to combat vector borne-illnesses. The County has focused not so much on enforcement but collaborations and partnerships and good environmental Stewardship and compliance to address mosquitos' issues. They have worked with farmers to address standing water and have also focused on environment outreach with kids to help bring the word to parents in the home.

Vector Control Staff obtaining samples

Junta de Los Rios Taskforce Public Meetings

(Texas-New Mexico-Chihuahua Regional Workgroup)

The Junta de Los Rios Taskforce which address border environmental issues in the Presidio, Texas – Ojinaga, Chihuahua are held two task forces meetings: 1) November 3-4, 2016 in Ojinaga and 2) March 23, 2017 in Presidio.



View of the Municipal Building in Ojinaga, Chihuahua

The November 3-4 meetings were held at the City of Ojinaga City Council Chambers. Environmental Protection Agency (EPA) staff, Carlos Rincon, met with Martin Sanchez, the mayor of Ojinaga, along with the City of Ojinaga Ecology Department's Director and those of the Office of City Manager, Public Works and Chief Advisor to the Mayor for a day and a half work program to discuss ongoing priorities regarding air quality and city trash collection and landfill infrastructure needs. Technical staff from the City of Juárez Air Quality Monitoring Program worked with the City of Ojinaga Monitoring technical personnel preparing the three PM10 units the city has to begin running in the near future. so that the air quality monitoring network will start running as per the stations' schedule. A Border 2020 Grant assisted with the bringing the monitors back to operational function and also training three Ecology Department Ojinaga technicians on topics such as: units operational procedure systems, filter change-handling and shipment to Centro de Investigación en Materiales Avanzados (CIMAV) laboratory in Chihuahua City. Once the monitors are running, Dr. Alfredo Campos Trujillo from CIMAV will analyze the filters and will have the data ready for publication, at City of Ojinaga and at other Task Force partners' web page for public viewing.

Overlooking Presidio, Texas

On March 23, 2017, the Junta de los Rios had their first public for the year. During the meeting, Ojinaga city officials presented on the city's 2-year government planned priorities. Secretary Cecilia Olague from the Secretaría de Desarrollo Urbano y Ecología (SDUE) Gobierno (SDUE) presented the Governor's 5-year program on the Environment and Environmental Health Plan. Last, the taskforce members and stakeholders present provided input on priorities for the Two-year Work-plan (2017-2018) for the Regional Workgroup.

New Mexico-Chihuahua Rural Taskforce Public Meeting

(Texas-New Mexico-Chihuahua Regional Workgroup – 3State RWG)

El Paso Border Office Director, Dr. Carlos Rincon, attended the public meeting of the New – Chihuahua Rural Taskforce on March 30, 2017 held at the Palomas's Public library in Palomas, Chihuahua. Dr. Rincon was accompanied by Gerardo Tarin, representing Secretaría de Medio Ambiente y Recursos Naturales (SEMARNAT), to discuss environmental education and environmental health priorities and projects in the New Mexico – Chihuahua rural area. Approximately 22 stakeholders attended the public meeting. Attendees included Local government officials including the Mayor of Ascención, Chihuahua and Palomas, Chihuahua, Ascención, Chihuahua and Columbus, New Mexico City Council members, New Mexico State University (NMSU) staff and State of Chihuahua Health Science, Health Secretariat in

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Chihuahua, the Village of Columbus Economic Development, NGO (Border Partners), Rural Chihuahua's Agriculture University, Chihuahua Cattle Ranchers Association and Border Environmental Cooperation Commission (BECC).

Dr. Dave Dubois presenting to taskforce meeting attendees

Dr. Dave Dubois (NMSU) presented an update on a Border 2020 Project funded that looks like the public health risk of exposure to dust from bare cattle ranchers and unpaved streets and preventative measures that can be taken. In addition, Roberto Nunez, of the Village of Columbus, presented an overview of Columbus's drinking water reserves osmosis system, which helps to meet the water quality standard for fluoride and arsenic. The meeting concluded with attendees providing input on the rural taskforce's priorities for 2017 – 2018. Comments regarding the priorities included water quality and safe drinking water access to residents of the rural area, as well as, addressing issues with waste management for the region.

(left to right) Carlos Rincon (EPA), Gerardo Tarin (SEMARNAT), Noel Dolores Loya Lozano (Mayor of Ascención), Briselda Duarte (BECC), Ramon Rodriguez Prieto (Mayor of Palomas)

Amistad Taskforce Public Meetings

(Texas-Coahuila-Tamaulipas-Nuevo Leon Regional Workgroup – 4State RWG)

The Amistad TF held its 2016 public meeting on December 6 in Eagle Pass, Texas. About 40 persons attended the meeting that included attendees from city of Eagle Pass, Maverick County, Departamento de Ecología de Piedras Negras, Departamento de Ecología de Ciudad Acuña, Environmental Protection Agency (EPA) Region 6 El Paso office, Secretariat of Environment in Coahuila (SEMA), Secretariat of the Environment and Natural Resources in Tamaulipas (SEMARNAT) –by Go to Meeting, Border Environment Cooperation Commission (BECC), Mexican Consulate in Eagle Pass, non-profit organizations and academic institutions.

There were four presentations during the meeting. Dr. Carlos Rincon shared updates on the projects under the 2015-2016 Border 2020 Action Plan for the Amistad Task Force. There are 15 projects in the Action Plan, one is from the U.S. side and 14 are being developed on the Mexican side.

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Amistad TF Meeting December 2016

Oscar Flores, Secretariat of Environment in Coahuila (SEMA), provided an update on a Border 2020 funded project focused on a used electronics program the Secretariat is developing. The objectives of the project are to develop storage capacity of used electronics, prevent the unauthorized disposal of this type of waste in landfills, lots and near water bodies, educate the general population on used electronics recycling, and strengthen recycling methods for specific electronic materials.

Victor Ibarra of the Technological Institute of Piedras Negras reported on the status of the used electronics awareness project in Eagle Pass and Piedras Negras that was funded under the Border 2020 Program. The objective of the project is to promote the integrated management of used electronics and identify waste flows. More than 80% of the project has been completed.

Vanessa Rosales-Herrera of the City of Eagle Pass presented on the plastic bag ordinance passed by the Eagle Pass City Council in February 2017. The objectives of the ordinance are to protect the environment from the adverse effects of plastic bags, protect life and property from flooding, protect fish and rivers, and promote the overall beautification of the city of Eagle Pass.

The final portion of the meeting had attendees conduct a working session where they split into groups by goal (air, water, waste, emergency response, compliance & enforcement, and environmental health/education) to get any input from stakeholders on environmental priorities and projects sent to EPA for consideration for the next Border 2020 Request for Proposals and the Two-Year Action Plan (2017-2018).

Falcon Taskforce Public Meetings

(Texas-Coahuila-Tamaulipas-Nuevo Leon Regional Workgroup – 4State RWG)

The Falcon TF held its 2016 annual public meeting on December 7, 2016 in Laredo, Texas. The meeting was attended by 42 people that included officials from the city of Laredo, Municipio de Nuevo Laredo, Municipio de Anáhuac, Environmental Protection Agency (EPA) Region 6 El Paso office, Secretariat of Environment in Tamaulipas (SEDUMA)—through Go To Meeting, Secretariat of the Environment and Natural Resources in Tamaulipas (SEMARNAT) –through Go to Meeting, Secretariat of Sustainable Development in Nuevo Leon—through Go To Meeting, PROFEPA Tamaulipas—through Go To Meeting, Border Environment Cooperation Commission (BECC), Mexican Consulate in Laredo, non-profit organizations and academic institutions.

Dr. Carlos Rincon represented EPA at the meeting. Dr. Carlos Rincon shared updates on the projects under the 2015-2016 Border 2020 Action Plan for the Falcon Task Force. There are 16 projects in the Action Plan.

Dr. Juan Antonio Herrera of the Autonomous University of Tamaulipas (UAT) discussed the status of a legislative reform and environmental education project that was funded by the Border 2020 Program. The objectives of the project are to propose reforms to environmental regulations in Nuevo Laredo, train inspectors, and measure the level of environmental awareness through surveys. Mr. Herrera reported on several activities under the project that included:

- Educating 250 people through interviews with local authorities about regulations to lay the ground for legislative proposals. The results of the surveys showed that there is a lack of or we

needed to strengthen recycling and water conservation programs.

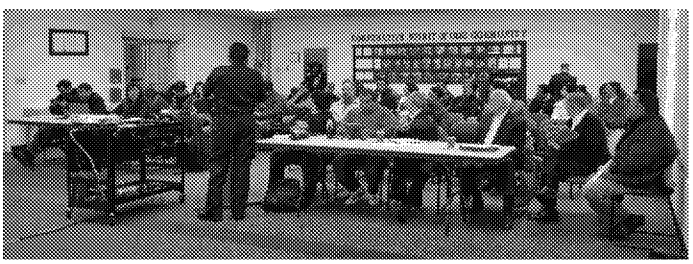
- Staff of UAT collaborated with the Nuevo Laredo ecology staff and Comisión Municipal de Agua Potable y Alcantarillado (COMAPA - Nuevo Laredo's water system) to train schools on recycling and water conservation. The original goal was to train 150 people but the project has trained over 750 people on these topics.
- Steve Landin, Fire Chief of the Laredo Fire Department discussed the Laredo and Nuevo Laredo Joint Emergency Response Contingency Plan updated in July 2016. The plan doesn't allow staff of the Laredo Fire Department to cross equipment or to physically respond to contingencies, but it identifies communication and training as important components. Chief Landin stressed the importance of organizing a tabletop and contingency exercise with Nuevo Laredo officials in one of the crossing points.
- Marco Garza of the Technological University of Nuevo Laredo provided a status on a wastewater treatment project. The university is partnering with Caterpillar (a global equipment services company) to design a project to extend the connection of their sewer lines on campus to the municipality's sewer system.

The final portion of the meeting included a working session where attendees grouped by goal come up with environmental priorities and projects for the next Border 2020 Request for Proposals, sent to EPA Border Program staff, and the Two-Year Action Plan (2017-2018).

Gulf Taskforce Public Meetings

(Texas-Coahuila-Tamaulipas-Nuevo Leon Regional Workgroup – 4State RWG)

On December 9 ,2016, the Gulf Taskforce held its annual public meeting in Harlingen, Texas. Approximately 50 people attended including officials from the cities of Reynosa, Valle Hermoso, Matamoros, Pharr, San Juan, Brownsville, Harlingen, as well as representatives from Matamoros and Valle Hermoso water and wastewater utilities, Matamoros commissioner and Matamoros local state representative, Secretaría de Desarrollo Urbano y Medio Ambiente (SEDUMA), Secretaría de Medio Ambiente y Recursos Naturales (SEMARNAT), Secretary of State Colonias staff and Lower Rio Grande Valley (LRGV) Development council staff. Maria Sisneros, from the Environmental Protection Agency (EPA) El Paso Border Office attended the meeting representing EPA Sam Coleman who serves as the 4-State RWG Federal Co-Chair. Opening remarks for the meeting included: Lic. Jesus Gonzales Macias, SEMARNAT- Tamaulipas Delegado, Border 2020's federal Co-chair, Claudia Lozano of the Texas Commission on Environmental Quality (TCEQ - representing Chairman Bryan Shaw Border 2020's State co-chair) John Wood, Brownsville Navigation District Commissioner and Gulf Task Force US Coleader, Jesus de la Garza, Matamoros Mayor and Gulf Task Force Mexican Co-facilitator, Jim Darling, McAllen Mayor and Delfino Ramirez, representing Reynosa's Mayor.



Cirilo Rodriguez, McAllen Fire Department, addresses participants at the December 9 meeting

Six presentations were conducted during the meeting:

- Gulf Task Force' Two-year Action Plan (2015-2016) (Maria Sisneros, EPA). Ms. Sisneros

provided updated information on the 2015-2016 Action Plan for the Gulf TF, which included 24 projects.

- Binational Tabletop and Functional Exercises between the cities of Harlingen and Matamoros, City of Harlingen (Cirilo Rodriguez, McAllen Fire Department). Mr. Rodriguez presented on a Border 2020 funded project that provided 40 HR-HAZMAT training to Matamoros, Tamaulipas responders. The grant also included a binational tabletop and function exercise.
- Let's Clean it Up and Green it Up, City of Pharr (Maya Acosta, City of Pharr). Ms. Acosta presented on a Border 2020 funded project whose objectives were to: conduct solid waste disposal events; increase recycling efforts by offering drop off areas around the city; education on recycling; provide curbside recycling to residents, schools and small business; increase electronic waste efforts.
- Strengthen Solid Waste Programs in Rio Bravo and Valle Hermoso, Tamaulipas (Francisco Guerra, SEDUMA Tamaulipas). Mr. Guerra presented on a Border 2020 funded project that focuses on assisting the municipalities of Rio Bravo and Valle Hermoso, Tamaulipas to conduct a diagnosis to develop a comprehensive management workplan on municipal solid waste
- Emergency Preparedness in Colonias (Josue Ramirez, Texas Housing, and Ramona Casas, ARISE). Both speakers provided an overview of the conference held in August 2016. Both these two organizations along with EPA's Border Program, EPA's Environmental Justice Program and other stakeholders hosted a conference in August 2016 to provide information to Colonia Residents on Emergency Preparedness efforts, before, during and after an emergency event.
- Matamoros' Clean Beach Certification (Eduardo Castilla, City of Matamoros). Mr. Castilla provided information on Matamoros' clean beach certification whose objectives are to: promote the sanitation of the beach, the watershed and water bodies associated with associated with the beach; prevent pollution in order to protect and preserve beaches, respecting native flora and fauna; improve the quality of life by protecting the health of users; and raise the competitiveness levels of tourist destinations with coordinated actions of the various orders of Government and private, social and academic sectors.

Texas-New Mexico-Chihuahua Regional Workgroup Public Meeting

Regional Workgroup Leadership & Co-Chairs. (left to right) Arturo Blanco (EPA), Dra. Cecilia Olague Caballero (SDUE), Sam Coleman (EPA), Juan Carlos Borrego (NMED), Steve Niemeyer (TCEQ), and Evaristo Cruz (Ysleta del Sur Pueblo)

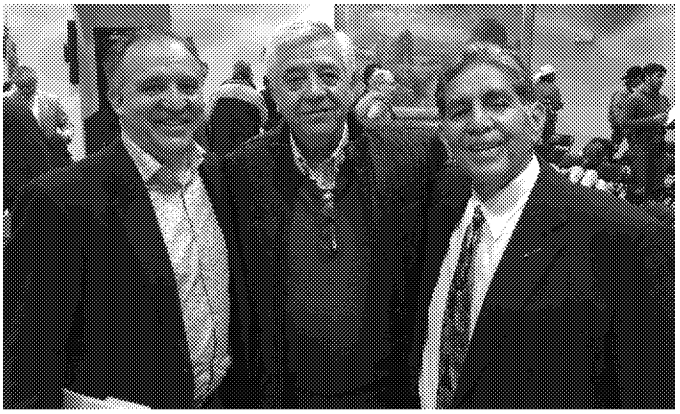
Sam Coleman, US Co-Chair for the Texas-New Mexico-Chihuahua Regional Workgroup (3-State RWG), participated on February 14, 2017, in the regional workgroup's 2017 public meeting held at the Ysleta del Sur Tribal Court in El Paso, Texas. The meeting was also chaired by the 3state RWG State (Dra. Cecilia Olague Caballero – Secretaría de Desarrollo Urbano y Ecología (SDUE); Steve Niemeyer represented Chairman Bryan Shaw – Texas Commission on Environmental Quality (TCEQ), Juan Carlos Borrego, Deputy Secretary for New Mexico Environment Department (NMED) and Tribal Co-Chair (Evaristo Cruz representing Pueblo Governor Carlos Hisa, from Ysleta del Sur Tribe). Mexican Co-Chair Brenda Rios was unable to attend the 3state RWG meeting but briefly addressed participants via phone at the beginning of the meeting. Each of the federal, state and tribal co-chairs provided

input of their respective agency work and priorities along the border. The public meeting was attended by 51 stakeholders from government, academia and private sectors, as well as, NGOs.

The meeting was comprised of ten presentations, a presentation on an overview of the Border 2020 Indicators Report published in December 2016 and each of the nine Taskforces within the 3-State RWG. The taskforce co-leaders each presented an overview of priorities and ongoing projects to be included in the Two-year Workplan (2017-2018) for the regional workgroup. In addition, each highlighted recently completed projects and their impact within the community. Presentations and minutes from the meeting are available on the Border 2020 Program website.

Attendees at 3-State RWG Meeting on February 14, 2017

Other notable news from the meeting included the announcement of U.S. Co-Chair for the Water Taskforce, Lorenzo Arriaga, stating that he would be retiring from the taskforce as co-chair. The U.S. – MX Border Program would like to thank Mr. Arriaga for his service. Mr. Arriaga served as the Water Co-Chair during the Border 2012 and Border 2020 Program.



(Left to Right) Rene Franco Ruiz(Waste TF MX Co-chair), Rene Franco Barreno (Water TF MX Co-Chair) and Lorenzo Arriaga (former Water TF US Co-Chair)

Texas-Coahuila-Tamaulipas-Nuevo León Regional Workgroup Public Meeting

On February 14, 2017, the Texas-Coahuila-Nuevo Leon Regional Workgroup (4-State RWG) conducted their annual 2017 Public meeting. The binational meeting was attended by approximately 79 stakeholders from government, academia, non-governmental organizations, private industry and general public. The purpose of the RWG Annual Meeting was to present the progress of binational projects in the two-year Action Plan (2015-2016) and to agree on and identify priorities that can be included in the two-year Action Plan (2017-2018).

Leadership panel at the 4-State RWG meeting on February 16, 2017

The City of Laredo Mayor, Hon. Pete Saenz, and Council Member, Lic. Carmen Canturosas Vilarreal, representing Mayor Enrique Rivas of Nuevo Laredo,

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welcome the meeting participants. Sam Coleman, U.S. Federal Co-chair for the regional workgroup, along with Lic. Jesús González Macías, Mexican Federal Co-Chair who joined via Go-to-Meeting, presided over the meeting, along with the other US and Mexican State Co-Chairs. Each of the leadership partners provided a message regarding their Agency participation in the Border 2020 program, their objectives and strategies in their Focused Entities and they generally discussed the commitment of their States to the efforts for follow-up of this Binational Program.

Thirteen speakers presented on the progress of each of the Taskforces (Amistad, Falcon, Gulf), as well as, regional points of interest. The Taskforce Co-leaders presented the Progress Report of each of the subcommittees, the objectives achieved and the projects still in progress, as well as, the priorities and strategies in these regions. The final session of the meeting concluded with a public comment period where attendees presented their concerns and proposals to the RWG leadership.

Public comment session during RWG meeting.

Participants from both the US and Mexico at the end of the RWG meeting

EPA Initiatives in Brownsville, Texas

In December 2016, the Environmental Protection Agency (EPA) selected the community of Brownsville to receive technical assistance for Creating Equitable Development under Building Blocks for Sustainable Communities Program. The technical assistance provided will help evaluate their priorities to work toward equitable development and support community goals for housing, local businesses, jobs, transportation, and preserving opportunities for residents. Technical assistance is delivered by EPA staff and EPA-hired consultant teams. Each technical assistance project includes:

Public engagement through a one- to two-day workshop; Direct consultation with relevant decision-makers and; A memo outlining specific steps the community could take to implement the ideas generated during the workshop.

The City of Brownsville, Texas has been working with EPA on a Sustainability Initiative. In June 2016, EPA announced it is providing the city with technical assistance with sustainable design strategies under its Greening America's Communities (GAC) program.

Under the GAC Program, Brownsville will add green infrastructure to the International Greenway along the U.S.-Mexico border to manage stormwater, create a more walkable street, and add shade and plants to cool an area experiencing higher temperatures due to climate variability. A design team funded through the program has been working with the city to implement the project. EPA funds a team of designers to visit each community to produce schematic designs and exciting illustrations intended to catalyze or complement a larger planning process for the pilot neighborhood. Additionally, these pilots are often the testing ground for citywide actions, such as changes to local codes and ordinances to better support environmentally sustainable growth and green infrastructure. The design team and EPA, along with partners from other

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federal agencies, also help city staff develop specific implementation strategies.

EPA at Work in the Community

Border Office Presentation on "International Air Pollution and International Law"

View of El Paso, Texas -Ciudad Juárez, Chihuahua from Ranger Peak in Franklin Mountains

On March 14, 2017, Dr. Carlos Rincon of the Environmental Protection Agency (EPA) Border office presented to approximately 30 high school students a 35 min presentation on "International Air Pollution" at the Chamizal Theatre in El Paso, Texas. The presentation is part of a week long program a University of Texas at El Paso (UTEP) student, in their Environmental Justice Club helped to organize. The high school students were part of a Magnet Program, in the Socorro Independent School District, called Libertad which focuses on preparing students to pursue careers in Environmental Law and Environmental Policy Making. The Magnet Program received a grant from the Hatton W. Sumners foundation whose mission is "For the Study and Teaching of the Science of Self-Government".

Dr. Rincon presented on air quality issues in the Paso del Norte and its relationships with the Border 2020 Program. The presentation highlighted the work of the Joint Advisory Committee (JAC): Projects from the JAC worked, how partners interacted, what it took to achieve the international projects and the challenges that exist. The presentation highlighted the bottom up approach of the Border Program, how the JAC is a model for other groups where, local stakeholders sometimes drive the solutions to the challenges that exist.

Activities such as this gives EPA Border Program staff the opportunity to engage and expand public awareness in the education community on the environmental issues the Border Program helps to address.

Texas Parks & Wildlife 16th year Anniversary Celebration of Aerial Tramway

On Saturday, March 28, 2017, the Environmental Protection Agency (EPA) Border Staff, Maria Sisneros, participated in the Texas Parks & Wildlife 16th Anniversary Celebration of Aerial Tramway state park. Over 1,036 attended the event. EPA hosted a booth at the event that distributed EPA publications for adults and children on clean air, clean water, waste management and recycling and environmental health. EPA is committed to engaging the public and bringing awareness to environment issues in the Paso del Norte Region.

General public at Texas Parks & Wildlife outreach event on March 18

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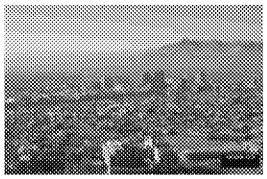
EPA Region 6: Border Program News

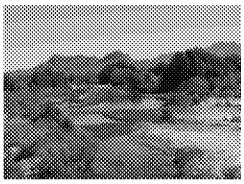
November 2016 – March 2017

www.epa.gov/border2020

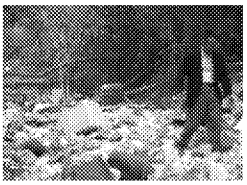
United States Environmental Protection Agency



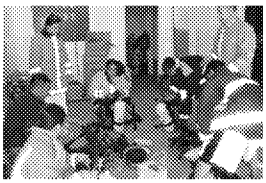
Reduce Air Pollution



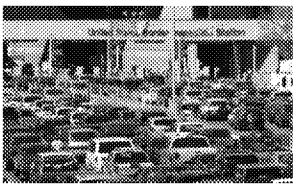
Improve Access to Clean & Safe Water



Promote Materials Management & Clean Sites



Joint Preparedness & Emergency Response



Compliance Assurance & Environmental Stewardship

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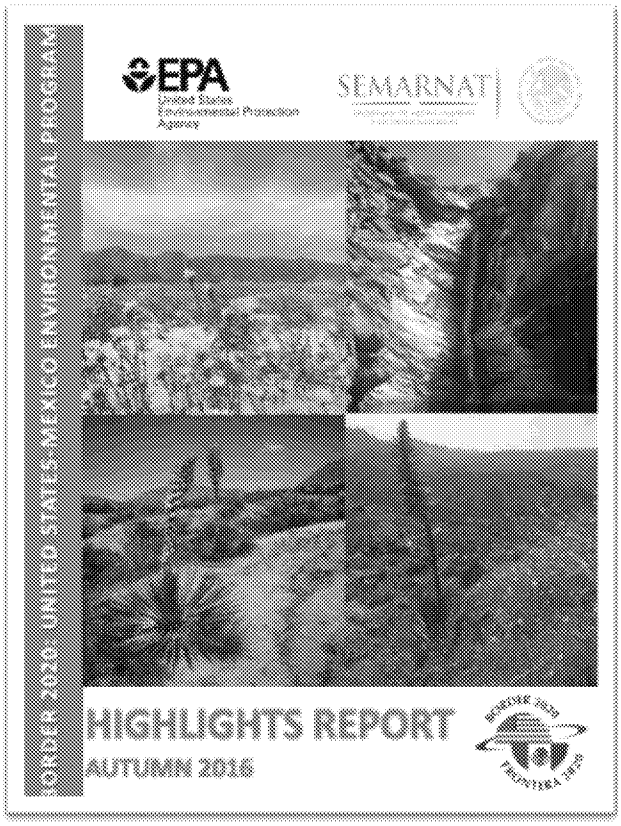
Border 2020 Highlight Report



The report contains highlights of the achievements and efforts of the Border 2020 Program during 2015-2016. During this time thirty-five projects were concluded to improve conditions facing border communities and an additional eleven in the implementation phase. These projects have addressed challenges of clean water, air quality, proper management of solid waste, environmental emergency response and

environmental stewardship. Sixteen (16) Region 6 projects were highlighted in this report.

Texas-New Mexico-Chihuahua Regional Workgroup:

- Improving air quality monitoring in Ojinaga (Goal 1: Air)
- New Mexico-Chihuahua border study on air quality (Goal 1: Air)
- Urban keyhole gardens rainwater-harvesting techniques (El Paso Water Utilities) (Goal 2: Water)
- Bio solids recycling agriculture at Juárez valley (Goal 3: Waste)
- Tire amnesty collection events in El Paso County (Goal 3: Waste)
- Ysleta del Sur Pueblo Community Collection Center (Goal 3: Waste)
- Regional plan for waste management in Ascension and Janos (Goal 3: Waste)
- Hazardous railcar leak mitigation preparedness in the Paso del Norte region. (City of El Paso) (Goal 4: Emergency Response)

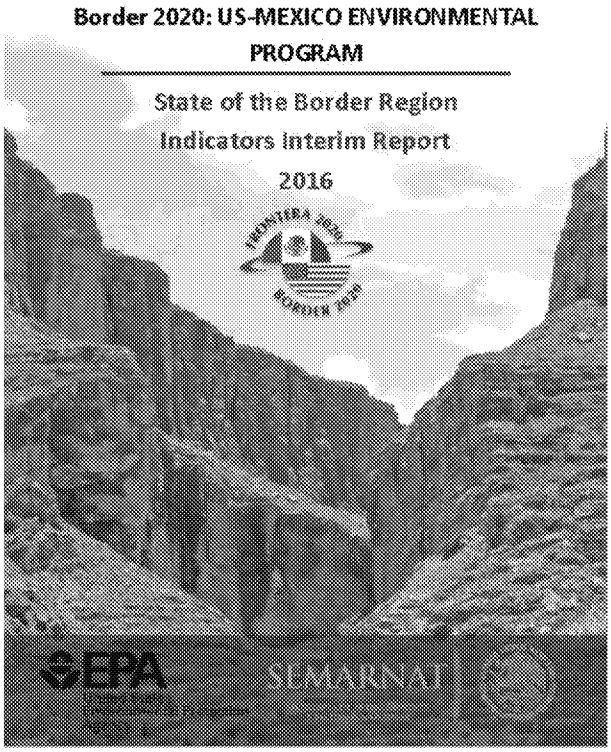
Texas-Coahuila-Nuevo Leon-Tamaulipas Regional Workgroup:

- Characterization of drayage vehicle activities and emissions in the Laredo air shed (Goal 1: Air)
- Management of fat, oil and grease in Nuevo Laredo (Goal 3: Waste)
- Conservation of the Arroyo Las Vacas in Acuña (Goal 3: Waste)
- Waste generation diagnostic for the Northeast Border Region (Goal 3: Waste)
- Alamo Recycling Team Includes Everyone (ARTIE) Program (Goal 3: Waste)
- Supporting Pharr efforts to maintain a clean community (Goal 3: Waste)
- Bi-national exercises at the cities of Harlingen and Matamoros (Goal 4: Emergency Response)
- Promotoras-led environmental health education to children in Eagle Pass (Environmental Education & Environmental Health)

Both Regions / Borderwide:

- COOPERATION TO IMPROVE ENVIRONMENTAL HEALTH (Environmental Protection Agency (EPA) – US/MX Border Health Commission Collaborative Agreement)
    - Children's Symposium (El Paso September 2015)
    - Promotora Trainings
- Enhance joint preparedness for environmental emergencies
- End-of-life Vehicles Guide
- U.S.-Mexico Border Water Infrastructure Program.

State of the Border: Indicators Interim Report (2016)



The State of the Border Region 2016 Interim Report provides information on the status and trends of environmental quality in the U.S.-Mexico border region. In doing so, it also illustrates progress made under the U.S.-Mexico Border 2020 program. This report builds on the flagship 2005 State of the Border Region report and the 2010 State of the Border Region report. It refreshes and updates key indicators from 2010 and adds new indicators to reflect new areas of Border 2020 focus and activity. As with previous reports, this report is structured around the goals of Border 2020 with chapters on air, water, land, environmental readiness and response, and enforcement and compliance.

Indicators are presented with brief data source information below each indicator. Complete underlying data and details on indicator data sources are available in a companion document, State of the Border Region 2016 Interim Update: Indicator Metadata and Data Tables.

Types of Indicators:

- ***Pressure:*** Indicators that describe human activities that place stresses on the environment.
- ***Need:*** Indicators that inform our understanding of the magnitude or type of need for a programmatic response.
- ***Output:*** Indicators that measure activities, products, or services resulting from a project or program.
- ***Outcome:*** Indicators that measure changes in the state of the environment or the effects of environmental conditions on human and/or ecological health

REPORT INDICATORS

Goal 1: Air

- Number of Days Exceeding Air Quality Standards in Border Monitoring Areas

Goal 2: Water

- Number of Unserved Homes Connected to Safe Drinking Water through the Border Water Infrastructure Program
- Number of Unserved Homes Connected Wastewater Collection and Treatment Services through the Border Water Infrastructure Program

Goal 3: Waste

- Per-Capita Municipal Solid Waste Disposal in U.S. Border States and Counties
- Per-Capita Municipal Solid Waste Generated in Mexican Border States
- Number of Electronics Refurbishers and Recyclers in the Border Region Certified to R2 or e-Stewards

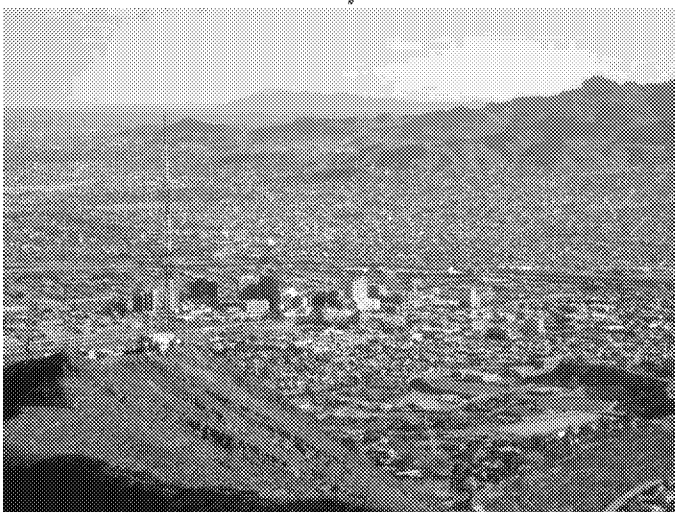
Goal 4: Emergency Response & Preparedness

- Number of Incident Notifications in the Border Region Received by the National Response Center (NRC)
- Number of Incident Notifications in the Border Region Received by the Centro de Orientación para la Atención de Emergencias Ambientales (COATEA) or Centro Nacional de Comunicaciones / Sistema Nacional de Protección Civil (CENACOM)
- Binational Capacity Building and Training Events

Goal 5: Compliance Assistance

- Regulated U.S. and Mexican facilities in the border region
- Number of State and Federal Inspections for Federal Programs in the U.S. Border Region
- Number of Federal Inspections in the Mexican Border Region
- Pollution Reduction from Federal Enforcement Actions in the U.S. Border Region

Joint Advisory Committee



El Paso, Texas - Ciudad Juárez, Chihuahua

On January 19, 2017 the Joint Advisory Committee (JAC) held its 68th Meeting in Ciudad Juárez, Chihuahua, Mexico. A total of 62 people participated, including 6 through Go-To-Meeting. Mayor Armando Cabada, of Ciudad Juárez, welcomed the members of the JAC and public. Arturo Blanco from Environmental Protection Agency (EPA) Office of Environmental Justice, Tribal and International Affairs (OEJTIA) served as the U.S. Co-Chair, as Guy Donaldson was not able to attend the meeting, along with Ana Patricia Martinez from Mexico's Secretaría de Medio Ambiente y Recursos Naturales (SEMARNAT), who serves as the Mexican Co-Chair. During the meeting three new JAC

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members were introduced: Dra. Cecilia O. Olague from the Secretaría de Desarrollo Urbano y Ecología (SDUE) of the state of Chihuahua; Psic. Jesús D. Cárdenas from Comisión Estatal para la Protección contra Riesgos Sanitarios (COEPRIS); and Jürgen Ganser, director for the Department of Ecology for the Ciudad Juárez, Chihuahua.

Highlights from the meeting included presentations on the:

- PROAIRE – The program focuses on reversing air quality deterioration of the main cities or areas in the State of Chihuahua through the implementation of measures and actions carried out by the public and private sectors and with participation of citizens, for the protection of public health and the environment.
- Update from Ciudad Juárez Ecology Department on its state vehicle programs, the importation of vehicles, wait times at Port of Entries and air quality associated with POEs, and a health awareness campaign "For Better Air Quality" launched in December 2016 focused to increase citizen awareness on the importance of vehicle inspection program and maintenance.
- Project "Space-time Variation of Heavy Metals in Particulate Material less than 10 micrometers in Ciudad Juárez" by Dr. Alba Corral from the Universidad Autonoma de Ciudad Juárez (UACJ). The study is focusing on 4-years' worth of data to carry out an air quality space-time analysis based on the quantification of PM10 and heavy metals in air filters of the monitoring network and eventually evaluate the presence of heavy metals in biological samples in children in Ciudad Juárez.
- A regional initiative to address public health risks associated with extreme heat by Gregg Garfin from the University of Arizona.
- Cattle Ranching: Building or Destroying the Environment? By Alejandro Carillo from the Fundación Pasticultores del Desierto.

The next meeting for the JAC is set for May 25th in El Paso, Texas at the University of Texas at El Paso (UTEP). For more information on the meeting please visit the Border 2020 website.

The JAC serves as the air taskforce for the Border 2020 Program for the Texas-New Mexico-Chihuahua Regional Workgroup (3-State RWG). More information regarding the JAC can be found at: www.cccjac.org

New arsenic treatment facility begins operating in Tornillo, Texas

Ribbon cutting ceremony for the Tornillo Facility (photo courtesy of BECC)

On March 23, 2017 the El Paso County Tornillo Water Improvement District (EPCTWID) held a ribbon-cutting ceremony for its new Wastewater Collection and Arsenic Treatment Plant which began construction in June 2016. Gilbert Tellez, from Environmental Protection Agency (EPA) Region 6's Water Division - Border Environmental Infrastructure Fund (BEIF) Program was in attendance at the event. The EPA Region 6 BEIF Program provided $3.75 million in grant money for the construction of the project. The project also received $100,000 in technical assistance through EPA Region 6's Program Development Assistance Program (PDAP) that assisted with the preparation of environmental documents and perform a water audit of EPCTWID.

The facility will have the capacity to treat 600 gallons per minute (gmp) to help reduce naturally-occurring arsenic concentration levels, as well as, remove iron and manganese ions. The project also provided first-

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time access to sewer connections to 19 households who were using substandard on-site wastewater disposal systems, eliminating approximately 5,600 gpm of inadequately treated and untreated wastewater.

The United States Department of Agriculture (USDA) Rural Development program also provided funding for additional projects in the community, bringing the total investment of projects to $6.75 million USD, benefitting approximately 1,560 residents.

For more information, visit the North American Development Bank (NADB) website: http://www.nadb.org/pdfs/state_projects/Arsenic%20Treatment%20and%20Wastewater%20Collection%20Project.pdf

Waste Taskforce Public Meeting

(Texas-New Mexico-Chihuahua Regional Workgroup)

On February 7, the Texas-Chihuahua-New Mexico B2020 Task Force Goal 3 for the Promotion of Materials Management, Recycling, Waste Management and Clean Sites held a public meeting, attended by over 35 Taskforce Co-leader's, MC. Rene Franco Ruiz (MX) and Cristina Viesca – Santos (US) , welcomed participants representing from the Procuraduría Federal de Protección al Ambiente (PROFEPA), the Secretaría de Desarrollo Urbano y Ecología (SDUE) Gobierno, Municipalities of Ciudad Juárez and Ascención, Chihuahua Public Works and Ecology department, as well as, private partner, Cementos de Chihuahua, Chihuahua, Cattle Ranchers Association, the University of Texas at El Paso (UTEP), Ciudad Juárez Autonomous University (UACJ) faculty and students and concern citizens along with the Border Environmental Cooperation Commission (BECC). and general public.

The meeting included a brain-storming-session on input on priorities to be included in the Two-Year Action Plan (2017-2018) for the Texas-New Mexico-Chihuahua RWG. Ing. Gustavo Nunez, of Cementos de Chihuahua, presented on how the reutilizes used tires and solid waste in their process to produce co-generation for their pant. The reutilization of the tires is part of a private – public partnership that has existed over several years and has served as a model that highlights how using used tires can become an economic driver for other business. From the partnership, over 6 million tires were eliminated from Ciudad Juárez's landfill by 2015. In 2016, 1.5 million tires were eliminated from the landfill.

COLUSOL presented on a project has been reutilizing waste water sludge in generation of clean energy. Ing. Francisco Sanchez, from Ecorecikla, presented on the events they have partnered with the Municipality of Ciudad Juárez, on recycling and e-waste collection events. Last, Pam Aguirre, who leads the Tire Advisory Committee gave a presentation on private sector participation on scrap tire management in the Paso del Norte Region. Mrs. Aguirre presented on how some local businesses have been reutilizing scrap tires in pavers and tiles. In addition, the City of El Paso has done several paving projects using crumb rubber. Mrs. Aguirre presented on Tire Amnesty Days that three local communities (Lower Valley of El Paso, City of San Elizario and Village of Vinton) have been having on a regular basis. Last, two new tire bills were proposed by Senator Rodriguez to address the issue of scrap tires in Texas.

Waste Taskforce attendees in Ciudad Juárez, Chihuahua

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Waste Taskforce Meeting: Tire Advisory Committee (TAC)

(Texas-New Mexico-Chihuahua Regional Workgroup)

On March 7 the TAC met to discuss ongoing activities from committee members. Topics on the agenda included discussion of the Texas House Bill 490, introduced by State Rep. Mary Gonzalez, regarding "Tire Dumping Enforcement Grant Program", and Senate Bill 570, introduced by State Senator Rodriguez, Status of Tire Haulers in New Mexico. The three other committees: Enforcement Working Group, Ends Markets Working Group and Securing Funding Working Group did not have any updates to present. Participants included representatives from EPA El Paso Border Office, City of Vinton, San Elizario, private companies–3 Pesetas, Michelin Tires, (TCEQ) Texas Commission on Environmental Quality, New Mexico Environment Department (NMED) and others.

The TAC was formed from a Border 2020 Goal 3 workshop held in 2014 that focused on rethinking scrap tires as a resource – not a waste. The TAC was one of four actions from the workshop, with the goal of establishing a permanent scrap tire advisory committee in the Paso del Norte Region that meets regularly to address the topic of scrap tires. The next TAC meeting is expected to take place in September 2017.

Environmental Education Taskforce Public Meeting

(Texas-New Mexico-Chihuahua Regional Workgroup)

The Border 2020 Environmental Education Taskforce held a public meeting, attended by over 60 stakeholders, on February 1, 2017 in El Paso, Texas. Participants included University of Texas at El Paso (UTEP) faculty and students, US-Mexico Border Health Commission (BHC or Commission), Mexican Consulate, City of El Paso representatives, Ciudad Juárez City Staff, Mexican university faculty, U.S.-Mexico Border Health Commission, Border Environmental Cooperation Commission (BECC), NGOs, private business and general public.

Participants at the Environmental Education Taskforce meeting on February 1, 2017.

The meeting included five presenters: Dr. Bruce San Filippo (Border 2020 Environmental Health TF Co-leader); Dra. Verónica González Sepúlveda (Ciudad Juárez Office of Sustainability); Patricia Juárez-Carillo (UTEP); Esmeralda Cervantes Rendón (El Colegio de Chihuahua) and Maria Sisneros (Environmental Protection Agency (EPA) Border Office).

Dr. Filippo, who also represents the BHC in New Mexico, presented on the Commission's initiatives along the border which includes a strong push on training and empowering promotoras. The Commission has been a partner with EPA on their children's health symposium and promotora trainings that took place in 2015-2016 throughout several cities along the Texas border. Dr. Filippo also highlighted several local projects focused on Education on Heat Resiliency and air quality.

Dr. González who was hired as the Chief Resiliency Officer for Ciudad Juárez under the Rockefeller Foundation Grant, presented on Ciudad Juarez's sustainability initiatives. Through several public forums five initiatives were identified under the program. In addition, the office has already begun to undertake several projects focuses on bringing health awareness on extreme heat events, green infrastructure and a woman's program on "Safe Perimeter/Environment"

Dr. Juárez-Carrillo presented on several activities that took place in 2016 with UTEP. UTEP in April 2016 held a public forum focused on "Environment, Social Justice & Sustainable Development".

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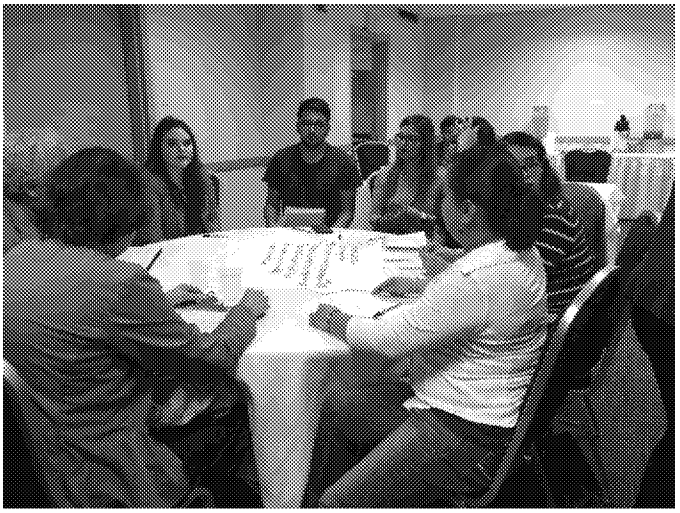
Participants on April 2 Public Forum on "Environmental, Social Justice & Sustainable Development"

During the forum participants stated that there needs to be more actions towards addressing basic needs (i.e. housing, energy, water, food, etc.); more empowerment of a broader range of stakeholders on the issues through education, communication, risk awareness and knowledge transfer; promotion of a cohesive and engaged community through social connectivity and community participation; and also learn what local government is doing (i.e. projects and policy).

Esmeralda Cervantes presented on a 3-day conference focused on "Renewable energy and Sustainability" that took place in October 2016 in Ciudad Juárez attended by over 353 participants. The conference focused on renewable energy and sustainability and how to address social problems. The conference highlighted the continued need to educate the public on the issue and ensuring they are involved in various forums and activities.

Maria Sisneros presented on the 3-State RWG priorities under the Two-Year Action plan (2016-2017) and a summary of the previous Action Plan.

The final portion of the meeting included conducting a "World Café" where participants broke up into five groups to discuss what should be the priorities for the taskforce, what are the challenges and how to address them. The results of the activity were presented at the February 14 Regional Workgroup meeting.



World Cafe activity with participants at the EETF mtg.

Environmental Health Taskforce Public Meeting

(Texas-New Mexico-Chihuahua Regional Workgroup)

The Environmental Health Taskforce public meeting took place on March 30, 2017. Participants included representatives from U.S.-MX Border Health Commission (BHC or Commission), Las Cruces City, New Mexico Department of Health, Border Environmental Cooperation Commission (BECC), Doña Ana County, University of Texas at El Paso (UTEP) and Texas Commission on Environmental Quality.

The meeting had six presenters. A brief summary of each is presented below.

Lisa LaRoque from the City of Las Cruces highlighted some of the city's ongoing efforts to address heat resiliency. Projects currently ongoing include a green infrastructure project focused on creating a "green Corridor" to connect two large major streets with a walking and cycling pathway. A second project will focus on capturing stormwater and using it to irrigate public spaces. A third project is a partnership with utilities where people can be given a tree to plant in front of their home to create more shade. A fourth project is a collaboration with City of El Paso and Juárez on a health assessment survey on extreme heat. During the month of May, the City of LC along with El

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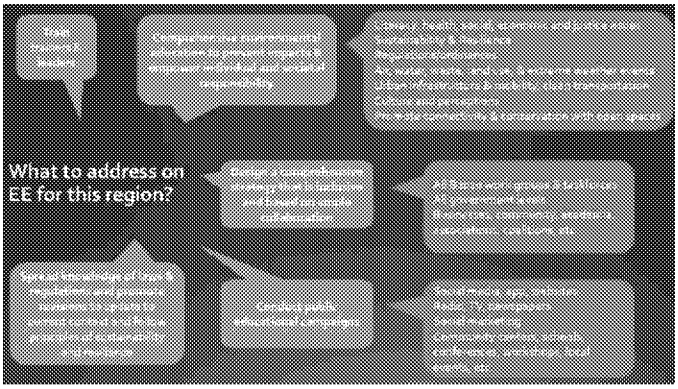
Paso Juárez will have several extreme heat outreach events to the public.

Jose Velasquez from the Commission provided a presentation on the Commission's efforts to enrich and build capacity with promotoras. These efforts are also part of a collaboration with EPA. During June, the US-MX BHC along with the 10 border states will host a binational "Vector-borne Diseases" conference in El Paso.

Claudia Macias from NM Dept. of Health gave an overview of New Mexico's Promotora history and Certification Volunteer Program (CVP). Currently there are 120 certified promotoras in the state of NM. The certification program consists of 100 hours focused on developing 10 core promotora competencies. The health department looking into growing the promotora network. The state of NM is the second state in the US to have legislation recognize utilizing Medicaid funds to be used to reimburse the work promotoras do.

Patricia Juárez, US Coleader of Environmental Education and Sustainability Taskforce (EESTF) of Border 2020, presented over overview of the EESTF public meeting held February 1. During the public meeting the following were stressed as priorities on environment and environmental health: train the trainers; comprehensive environmental education; increase literacy - education empowers your community to make decision (geared towards promotoras, leaders, etc.); conduct public education campaigns in a language and medium they can understand; strategy that includes various sectors; spread the knowledge of laws and regulations to promote environmental literacy.



EETF Public Input Priorities & Needs

Jagan Butler from the Border Environmental Health Coalition (BEHC) presented on Environmental Literacy. Overall it was an overview on how the public doesn't really understand the environment and its effects on human health and vice versa, people and their effect on the environment. Environmental Literacy is needed in the community to understand this relationship. Environmental Health doesn't have to be a negative thing but if we have clean air, water and good food source then that promotes good environmental Health.

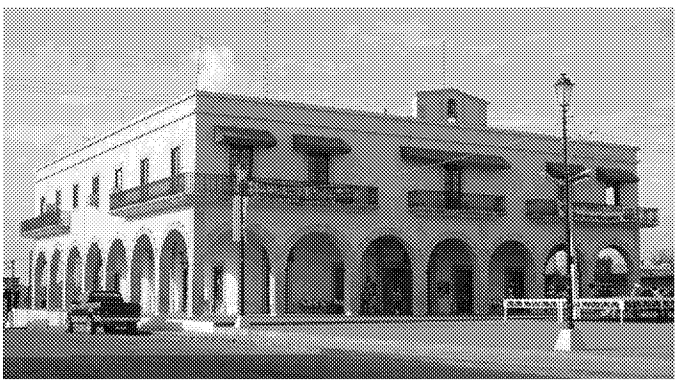
Ken Scholar from Doña Ana County Vector Control Program, presented on some of the Counties activities the county is taking to combat vector borne-illnesses. The County has focused not so much on enforcement but collaborations and partnerships and good environmental Stewardship and compliance to address mosquitos' issues. They have worked with farmers to address standing water and have also focused on environment outreach with kids to help bring the word to parents in the home.

Vector Control Staff obtaining samples

Junta de Los Rios Taskforce Public Meetings

(Texas-New Mexico-Chihuahua Regional Workgroup)

The Junta de Los Rios Taskforce which address border environmental issues in the Presidio, Texas – Ojinaga, Chihuahua are held two task forces meetings: 1) November 3-4, 2016 in Ojinaga and 2) March 23, 2017 in Presidio.



View of the Municipal Building in Ojinaga, Chihuahua

The November 3-4 meetings were held at the City of Ojinaga City Council Chambers. Environmental Protection Agency (EPA) staff, Carlos Rincon, met with Martin Sanchez, the mayor of Ojinaga, along with the City of Ojinaga Ecology Department's Director and those of the Office of City Manager, Public Works and Chief Advisor to the Mayor for a day and a half work program to discuss ongoing priorities regarding air quality and city trash collection and landfill infrastructure needs. Technical staff from the City of Juárez Air Quality Monitoring Program worked with the City of Ojinaga Monitoring technical personnel preparing the three PM10 units the city has to begin running in the near future. so that the air quality monitoring network will start running as per the stations' schedule. A Border 2020 Grant assisted with the bringing the monitors back to operational function and also training three Ecology Department Ojinaga technicians on topics such as: units operational procedure systems, filter change-handling and shipment to Centro de Investigación en Materiales Avanzados (CIMAV) laboratory in Chihuahua City. Once the monitors are running, Dr. Alfredo Campos Trujillo from CIMAV will analyze the filters and will have the data ready for publication, at City of Ojinaga and at other Task Force partners' web page for public viewing.

Overlooking Presidio, Texas

On March 23, 2017, the Junta de los Rios had their first public for the year. During the meeting, Ojinaga city officials presented on the city's 2-year government planned priorities. Secretary Cecilia Olague from the Secretaría de Desarrollo Urbano y Ecología (SDUE) Gobierno (SDUE) presented the Governor's 5-year program on the Environment and Environmental Health Plan. Last, the taskforce members and stakeholders present provided input on priorities for the Two-year Work-plan (2017-2018) for the Regional Workgroup.

New Mexico-Chihuahua Rural Taskforce Public Meeting

(Texas-New Mexico-Chihuahua Regional Workgroup – 3State RWG)

El Paso Border Office Director, Dr. Carlos Rincon, attended the public meeting of the New – Chihuahua Rural Taskforce on March 30, 2017 held at the Palomas's Public library in Palomas, Chihuahua. Dr. Rincon was accompanied by Gerardo Tarin, representing Secretaría de Medio Ambiente y Recursos Naturales (SEMARNAT), to discuss environmental education and environmental health priorities and projects in the New Mexico – Chihuahua rural area. Approximately 22 stakeholders attended the public meeting. Attendees included Local government officials including the Mayor of Ascención, Chihuahua and Palomas, Chihuahua, Ascención, Chihuahua and Columbus, New Mexico City Council members, New Mexico State University (NMSU) staff and State of Chihuahua Health Science, Health Secretariat in

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Chihuahua, the Village of Columbus Economic Development, NGO (Border Partners), Rural Chihuahua's Agriculture University, Chihuahua Cattle Ranchers Association and Border Environmental Cooperation Commission (BECC).

Dr. Dave Dubois presenting to taskforce meeting attendees

Dr. Dave Dubois (NMSU) presented an update on a Border 2020 Project funded that looks like the public health risk of exposure to dust from bare cattle ranchers and unpaved streets and preventative measures that can be taken. In addition, Roberto Nunez, of the Village of Columbus, presented an overview of Columbus's drinking water reserves osmosis system, which helps to meet the water quality standard for fluoride and arsenic. The meeting concluded with attendees providing input on the rural taskforce's priorities for 2017 – 2018. Comments regarding the priorities included water quality and safe drinking water access to residents of the rural area, as well as, addressing issues with waste management for the region.

(left to right) Carlos Rincon (EPA), Gerardo Tarin (SEMARNAT), Noel Dolores Loya Lozano (Mayor of Ascención), Briselda Duarte (BECC), Ramon Rodriguez Prieto (Mayor of Palomas)

Amistad Taskforce Public Meetings

(Texas-Coahuila-Tamaulipas-Nuevo Leon Regional Workgroup – 4State RWG)

The Amistad TF held its 2016 public meeting on December 6 in Eagle Pass, Texas. About 40 persons attended the meeting that included attendees from city of Eagle Pass, Maverick County, Departamento de Ecología de Piedras Negras, Departamento de Ecología de Ciudad Acuña, Environmental Protection Agency (EPA) Region 6 El Paso office, Secretariat of Environment in Coahuila (SEMA), Secretariat of the Environment and Natural Resources in Tamaulipas (SEMARNAT) –by Go to Meeting, Border Environment Cooperation Commission (BECC), Mexican Consulate in Eagle Pass, non-profit organizations and academic institutions.

There were four presentations during the meeting. Dr. Carlos Rincon shared updates on the projects under the 2015-2016 Border 2020 Action Plan for the Amistad Task Force. There are 15 projects in the Action Plan, one is from the U.S. side and 14 are being developed on the Mexican side.

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Amistad TF Meeting December 2016

Oscar Flores, Secretariat of Environment in Coahuila (SEMA), provided an update on a Border 2020 funded project focused on a used electronics program the Secretariat is developing. The objectives of the project are to develop storage capacity of used electronics, prevent the unauthorized disposal of this type of waste in landfills, lots and near water bodies, educate the general population on used electronics recycling, and strengthen recycling methods for specific electronic materials.

Victor Ibarra of the Technological Institute of Piedras Negras reported on the status of the used electronics awareness project in Eagle Pass and Piedras Negras that was funded under the Border 2020 Program. The objective of the project is to promote the integrated management of used electronics and identify waste flows. More than 80% of the project has been completed.

Vanessa Rosales-Herrera of the City of Eagle Pass presented on the plastic bag ordinance passed by the Eagle Pass City Council in February 2017. The objectives of the ordinance are to protect the environment from the adverse effects of plastic bags, protect life and property from flooding, protect fish and rivers, and promote the overall beautification of the city of Eagle Pass.

The final portion of the meeting had attendees conduct a working session where they split into groups by goal (air, water, waste, emergency response, compliance & enforcement, and environmental health/education) to get any input from stakeholders on environmental priorities and projects sent to EPA for consideration for the next Border 2020 Request for Proposals and the Two-Year Action Plan (2017-2018).

Falcon Taskforce Public Meetings

(Texas-Coahuila-Tamaulipas-Nuevo Leon Regional Workgroup – 4State RWG)

The Falcon TF held its 2016 annual public meeting on December 7, 2016 in Laredo, Texas. The meeting was attended by 42 people that included officials from the city of Laredo, Municipio de Nuevo Laredo, Municipio de Anáhuac, Environmental Protection Agency (EPA) Region 6 El Paso office, Secretariat of Environment in Tamaulipas (SEDUMA)—through Go To Meeting, Secretariat of the Environment and Natural Resources in Tamaulipas (SEMARNAT) –through Go to Meeting, Secretariat of Sustainable Development in Nuevo Leon—through Go To Meeting, PROFEPA Tamaulipas—through Go To Meeting, Border Environment Cooperation Commission (BECC), Mexican Consulate in Laredo, non-profit organizations and academic institutions.

Dr. Carlos Rincon represented EPA at the meeting. Dr. Carlos Rincon shared updates on the projects under the 2015-2016 Border 2020 Action Plan for the Falcon Task Force. There are 16 projects in the Action Plan.

Dr. Juan Antonio Herrera of the Autonomous University of Tamaulipas (UAT) discussed the status of a legislative reform and environmental education project that was funded by the Border 2020 Program. The objectives of the project are to propose reforms to environmental regulations in Nuevo Laredo, train inspectors, and measure the level of environmental awareness through surveys. Mr. Herrera reported on several activities under the project that included:

- Educating 250 people through interviews with local authorities about regulations to lay the ground for legislative proposals. The results of the surveys showed that there is a lack of or we

needed to strengthen recycling and water conservation programs.

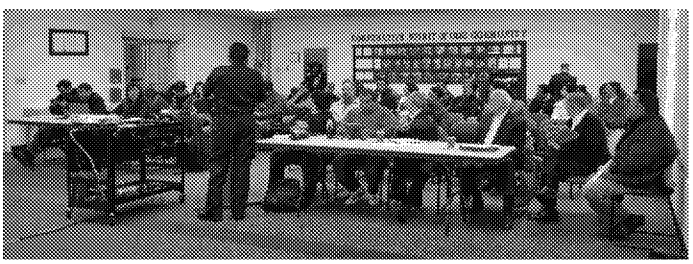
- Staff of UAT collaborated with the Nuevo Laredo ecology staff and Comisión Municipal de Agua Potable y Alcantarillado (COMAPA - Nuevo Laredo's water system) to train schools on recycling and water conservation. The original goal was to train 150 people but the project has trained over 750 people on these topics.
- Steve Landin, Fire Chief of the Laredo Fire Department discussed the Laredo and Nuevo Laredo Joint Emergency Response Contingency Plan updated in July 2016. The plan doesn't allow staff of the Laredo Fire Department to cross equipment or to physically respond to contingencies, but it identifies communication and training as important components. Chief Landin stressed the importance of organizing a tabletop and contingency exercise with Nuevo Laredo officials in one of the crossing points.
- Marco Garza of the Technological University of Nuevo Laredo provided a status on a wastewater treatment project. The university is partnering with Caterpillar (a global equipment services company) to design a project to extend the connection of their sewer lines on campus to the municipality's sewer system.

The final portion of the meeting included a working session where attendees grouped by goal come up with environmental priorities and projects for the next Border 2020 Request for Proposals, sent to EPA Border Program staff, and the Two-Year Action Plan (2017-2018).

Gulf Taskforce Public Meetings

(Texas-Coahuila-Tamaulipas-Nuevo Leon Regional Workgroup – 4State RWG)

On December 9 ,2016, the Gulf Taskforce held its annual public meeting in Harlingen, Texas. Approximately 50 people attended including officials from the cities of Reynosa, Valle Hermoso, Matamoros, Pharr, San Juan, Brownsville, Harlingen, as well as representatives from Matamoros and Valle Hermoso water and wastewater utilities, Matamoros commissioner and Matamoros local state representative, Secretaría de Desarrollo Urbano y Medio Ambiente (SEDUMA), Secretaría de Medio Ambiente y Recursos Naturales (SEMARNAT), Secretary of State Colonias staff and Lower Rio Grande Valley (LRGV) Development council staff. Maria Sisneros, from the Environmental Protection Agency (EPA) El Paso Border Office attended the meeting representing EPA Sam Coleman who serves as the 4-State RWG Federal Co-Chair. Opening remarks for the meeting included: Lic. Jesus Gonzales Macias, SEMARNAT- Tamaulipas Delegado, Border 2020's federal Co-chair, Claudia Lozano of the Texas Commission on Environmental Quality (TCEQ - representing Chairman Bryan Shaw Border 2020's State co-chair) John Wood, Brownsville Navigation District Commissioner and Gulf Task Force US Coleader, Jesus de la Garza, Matamoros Mayor and Gulf Task Force Mexican Co-facilitator, Jim Darling, McAllen Mayor and Delfino Ramirez, representing Reynosa's Mayor.



Cirilo Rodriguez, McAllen Fire Department, addresses participants at the December 9 meeting

Six presentations were conducted during the meeting:

- Gulf Task Force' Two-year Action Plan (2015-2016) (Maria Sisneros, EPA). Ms. Sisneros

provided updated information on the 2015-2016 Action Plan for the Gulf TF, which included 24 projects.

- Binational Tabletop and Functional Exercises between the cities of Harlingen and Matamoros, City of Harlingen (Cirilo Rodriguez, McAllen Fire Department). Mr. Rodriguez presented on a Border 2020 funded project that provided 40 HR-HAZMAT training to Matamoros, Tamaulipas responders. The grant also included a binational tabletop and function exercise.
- Let's Clean it Up and Green it Up, City of Pharr (Maya Acosta, City of Pharr). Ms. Acosta presented on a Border 2020 funded project whose objectives were to: conduct solid waste disposal events; increase recycling efforts by offering drop off areas around the city; education on recycling; provide curbside recycling to residents, schools and small business; increase electronic waste efforts.
- Strengthen Solid Waste Programs in Rio Bravo and Valle Hermoso, Tamaulipas (Francisco Guerra, SEDUMA Tamaulipas). Mr. Guerra presented on a Border 2020 funded project that focuses on assisting the municipalities of Rio Bravo and Valle Hermoso, Tamaulipas to conduct a diagnosis to develop a comprehensive management workplan on municipal solid waste
- Emergency Preparedness in Colonias (Josue Ramirez, Texas Housing, and Ramona Casas, ARISE). Both speakers provided an overview of the conference held in August 2016. Both these two organizations along with EPA's Border Program, EPA's Environmental Justice Program and other stakeholders hosted a conference in August 2016 to provide information to Colonia Residents on Emergency Preparedness efforts, before, during and after an emergency event.
- Matamoros' Clean Beach Certification (Eduardo Castilla, City of Matamoros). Mr. Castilla provided information on Matamoros' clean beach certification whose objectives are to: promote the sanitation of the beach, the watershed and water bodies associated with associated with the beach; prevent pollution in order to protect and preserve beaches, respecting native flora and fauna; improve the quality of life by protecting the health of users; and raise the competitiveness levels of tourist destinations with coordinated actions of the various orders of Government and private, social and academic sectors.

Texas-New Mexico-Chihuahua Regional Workgroup Public Meeting

Regional Workgroup Leadership & Co-Chairs. (left to right) Arturo Blanco (EPA), Dra. Cecilia Olague Caballero (SDUE), Sam Coleman (EPA), Juan Carlos Borrego (NMED), Steve Niemeyer (TCEQ), and Evaristo Cruz (Ysleta del Sur Pueblo)

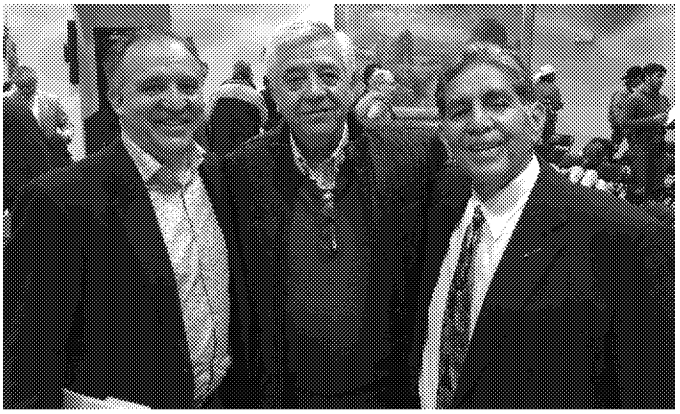
Sam Coleman, US Co-Chair for the Texas-New Mexico-Chihuahua Regional Workgroup (3-State RWG), participated on February 14, 2017, in the regional workgroup's 2017 public meeting held at the Ysleta del Sur Tribal Court in El Paso, Texas. The meeting was also chaired by the 3state RWG State (Dra. Cecilia Olague Caballero – Secretaría de Desarrollo Urbano y Ecología (SDUE); Steve Niemeyer represented Chairman Bryan Shaw – Texas Commission on Environmental Quality (TCEQ), Juan Carlos Borrego, Deputy Secretary for New Mexico Environment Department (NMED) and Tribal Co-Chair (Evaristo Cruz representing Pueblo Governor Carlos Hisa, from Ysleta del Sur Tribe). Mexican Co-Chair Brenda Rios was unable to attend the 3state RWG meeting but briefly addressed participants via phone at the beginning of the meeting. Each of the federal, state and tribal co-chairs provided

input of their respective agency work and priorities along the border. The public meeting was attended by 51 stakeholders from government, academia and private sectors, as well as, NGOs.

The meeting was comprised of ten presentations, a presentation on an overview of the Border 2020 Indicators Report published in December 2016 and each of the nine Taskforces within the 3-State RWG. The taskforce co-leaders each presented an overview of priorities and ongoing projects to be included in the Two-year Workplan (2017-2018) for the regional workgroup. In addition, each highlighted recently completed projects and their impact within the community. Presentations and minutes from the meeting are available on the Border 2020 Program website.

Attendees at 3-State RWG Meeting on February 14, 2017

Other notable news from the meeting included the announcement of U.S. Co-Chair for the Water Taskforce, Lorenzo Arriaga, stating that he would be retiring from the taskforce as co-chair. The U.S. – MX Border Program would like to thank Mr. Arriaga for his service. Mr. Arriaga served as the Water Co-Chair during the Border 2012 and Border 2020 Program.



(Left to Right) Rene Franco Ruiz(Waste TF MX Co-chair), Rene Franco Barreno (Water TF MX Co-Chair) and Lorenzo Arriaga (former Water TF US Co-Chair)

Texas-Coahuila-Tamaulipas-Nuevo León Regional Workgroup Public Meeting

On February 14, 2017, the Texas-Coahuila-Nuevo Leon Regional Workgroup (4-State RWG) conducted their annual 2017 Public meeting. The binational meeting was attended by approximately 79 stakeholders from government, academia, non-governmental organizations, private industry and general public. The purpose of the RWG Annual Meeting was to present the progress of binational projects in the two-year Action Plan (2015-2016) and to agree on and identify priorities that can be included in the two-year Action Plan (2017-2018).

Leadership panel at the 4-State RWG meeting on February 16, 2017

The City of Laredo Mayor, Hon. Pete Saenz, and Council Member, Lic. Carmen Canturosas Vilarreal, representing Mayor Enrique Rivas of Nuevo Laredo,

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welcome the meeting participants. Sam Coleman, U.S. Federal Co-chair for the regional workgroup, along with Lic. Jesús González Macías, Mexican Federal Co-Chair who joined via Go-to-Meeting, presided over the meeting, along with the other US and Mexican State Co-Chairs. Each of the leadership partners provided a message regarding their Agency participation in the Border 2020 program, their objectives and strategies in their Focused Entities and they generally discussed the commitment of their States to the efforts for follow-up of this Binational Program.

Thirteen speakers presented on the progress of each of the Taskforces (Amistad, Falcon, Gulf), as well as, regional points of interest. The Taskforce Co-leaders presented the Progress Report of each of the subcommittees, the objectives achieved and the projects still in progress, as well as, the priorities and strategies in these regions. The final session of the meeting concluded with a public comment period where attendees presented their concerns and proposals to the RWG leadership.

Public comment session during RWG meeting.

Participants from both the US and Mexico at the end of the RWG meeting

EPA Initiatives in Brownsville, Texas

In December 2016, the Environmental Protection Agency (EPA) selected the community of Brownsville to receive technical assistance for Creating Equitable Development under Building Blocks for Sustainable Communities Program. The technical assistance provided will help evaluate their priorities to work toward equitable development and support community goals for housing, local businesses, jobs, transportation, and preserving opportunities for residents. Technical assistance is delivered by EPA staff and EPA-hired consultant teams. Each technical assistance project includes:

Public engagement through a one- to two-day workshop; Direct consultation with relevant decision-makers and; A memo outlining specific steps the community could take to implement the ideas generated during the workshop.

The City of Brownsville, Texas has been working with EPA on a Sustainability Initiative. In June 2016, EPA announced it is providing the city with technical assistance with sustainable design strategies under its Greening America's Communities (GAC) program.

Under the GAC Program, Brownsville will add green infrastructure to the International Greenway along the U.S.-Mexico border to manage stormwater, create a more walkable street, and add shade and plants to cool an area experiencing higher temperatures due to climate variability. A design team funded through the program has been working with the city to implement the project. EPA funds a team of designers to visit each community to produce schematic designs and exciting illustrations intended to catalyze or complement a larger planning process for the pilot neighborhood. Additionally, these pilots are often the testing ground for citywide actions, such as changes to local codes and ordinances to better support environmentally sustainable growth and green infrastructure. The design team and EPA, along with partners from other

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federal agencies, also help city staff develop specific implementation strategies.

EPA at Work in the Community

Border Office Presentation on "International Air Pollution and International Law"

View of El Paso, Texas -Ciudad Juárez, Chihuahua from Ranger Peak in Franklin Mountains

On March 14, 2017, Dr. Carlos Rincon of the Environmental Protection Agency (EPA) Border office presented to approximately 30 high school students a 35 min presentation on "International Air Pollution" at the Chamizal Theatre in El Paso, Texas. The presentation is part of a week long program a University of Texas at El Paso (UTEP) student, in their Environmental Justice Club helped to organize. The high school students were part of a Magnet Program, in the Socorro Independent School District, called Libertad which focuses on preparing students to pursue careers in Environmental Law and Environmental Policy Making. The Magnet Program received a grant from the Hatton W. Sumners foundation whose mission is "For the Study and Teaching of the Science of Self-Government".

Dr. Rincon presented on air quality issues in the Paso del Norte and its relationships with the Border 2020 Program. The presentation highlighted the work of the Joint Advisory Committee (JAC): Projects from the JAC worked, how partners interacted, what it took to achieve the international projects and the challenges that exist. The presentation highlighted the bottom up approach of the Border Program, how the JAC is a model for other groups where, local stakeholders sometimes drive the solutions to the challenges that exist.

Activities such as this gives EPA Border Program staff the opportunity to engage and expand public awareness in the education community on the environmental issues the Border Program helps to address.

Texas Parks & Wildlife 16th year Anniversary Celebration of Aerial Tramway

On Saturday, March 28, 2017, the Environmental Protection Agency (EPA) Border Staff, Maria Sisneros, participated in the Texas Parks & Wildlife 16th Anniversary Celebration of Aerial Tramway state park. Over 1,036 attended the event. EPA hosted a booth at the event that distributed EPA publications for adults and children on clean air, clean water, waste management and recycling and environmental health. EPA is committed to engaging the public and bringing awareness to environment issues in the Paso del Norte Region.

General public at Texas Parks & Wildlife outreach event on March 18

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California-Baja California 2015-2016 Border 2020 Action Plan

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 1 – Reduce Air Pollution					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Objective 1: By 2020, in accordance with the NAFTA, promote the reduction of the number of vehicles operating in the border region that do not comply with respective vehicle emissions standards, and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible reduction measures.					
Vehicle Idling Emissions Assessment at Calexico East and West Ports of Entry.	Imperial County Air Pollution Control District, BECC, EPA	$99,000	EPA	Belen Leon- ICAPCD (belenleon@co.imperial.ca.us)	**Anticipated Results**: Quantification of PM and NOx emissions from idling vehicles and identification of potential emissions reduction strategies.
Implement State Vehicle inspection program (smog check) in Baja California.	Secretaría de Protección al Ambiente (SPA)	Staff time	SPA	Saul Guzman- SPA (saul.guzman@semarnat.gob.mx)	**Anticipated Results:** Number of vehicles that have been inspected.
Objective 2: By 2020, reduce pollutant emissions in order to approach attainment of respective national ambient air quality standards in the following airsheds: San Diego/Tijuana, Imperial County/Mexicali, Ambos Nogales, Paso del Norte (El Paso/Juarez/Sunland Park)					
Media Outreach Campaign in Mexicali and Imperial County to reduce open burning and fireworks during holiday season.	Imperial County Air Pollution Control District (ICAPCD), Air Quality Task Force, and SPA	TBD	EPA, ICAPCD	Belen Leon- ICAPCD (belenleon@co.imperial.ca.us)	**Anticipated Results:** TV and radio spots encouraging the public to reduce open burning and use of fireworks.
Develop a PM2.5 State Implementation Plan (SIP) for Imperial County.	Imperial County Air Pollution Control District, EPA, CARB	Staff time	Participating Agencies	TBD	**Anticipated Results:** Complete PM2.5 State Implementation Plan (SIP) to reduce PM2.5 emissions in Imperial County.

California-Baja California 2015-2016 Border 2020 Action Plan

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 1 – Reduce Air Pollution					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Carl Moyer Program—reduce emissions from mobile sources.	SDAPCD/ CARB	$4,600,000	State of California	Andy Hamilton - SDAPCD (Andy.Hamilton@sdcounty.ca.gov)	**Anticipated Results:** The number of trucks receiving funding in San Diego County that will reduce PM and NOx from voluntary emission reductions from heavy-duty diesel engines.
Technical Program Evaluation and Tracking of Agricultural Burning in Mexicali Valley – Phase 2.	SEMARNAT, SPA	$100,000	SEMARNAT	alfonso.blancafort@semarnat.gob.mx	**Anticipated Results:** Reduce dust emissions generated by traffic on dirt roads and the effect on school children.
Create a system of Green Spaces in the Municipality of Mexicali, Baja California.	SEMARNAT, SPA	$260,000	SEMARNAT	alfonso.blancafort@semarnat.gob.mx	**Anticipated Results:** (1) Rehabilitation and tree planting of 3,500 square meters in a Parque de Barrio in the western part of the city. (2) Rehabilitation and forestation of 1,500 square meters in Jardin Vecinal in the west of the city. (3) Creation of 600 linear meters Camellón Central in the west of the city, with an approximate area of 8, 400 square meters.

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 1 – Reduce Air Pollution					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Implement soil conservation and erosion control practices in Mexicali, B.C.	SEMARNAT, SPA	$190,000	SEMARNAT	alfonso.blancafort@semarnat.gob.mx	**Anticipated Results:** Reduce dust emissions generated by traffic on dirt roads and the effect on school children.
Objective 3: By 2018, maintain effective air monitoring networks and provide real-time access to air quality data: California/Baja California, Arizona/Sonora, Paso del Norte Airshed, and any additional binational airshed that is designed as non-attainment for U.S. or Mexican air quality Standards prior to 2015.					
Operate and Maintain the Imperial County Air Quality Monitoring Network.	ICAPCD, CARB	Staff time and maintenance costs	ICAPCD/ EPA/ CARB	Brad Poiriez- ICAPCD (bradpoiriez@co.imperial.ca.us) Monica Soucier- ICAPCD (monicasoucier@co.imperial.ca.us)	**Anticipated Results:** Effective operation of air monitoring stations and post real-time air monitoring data on web.
Maintain the real-time reporting website for Imperial County air quality monitoring network.	CARB,EPA,ICAPCD	Staff time and maintenance costs	EPA	Elizabeth Melgoza	**Anticipated Results**: Real time reporting and forecasting of air quality in Imperial County.
Implement the Monitoring Action Plan to more effectively operate and maintain the air quality monitoring network in northern Baja California.	EPA, SPA, SEMARNAT, CARB, Instituto Nacional de Ecología (INE)	Staff time and maintenance costs	EPA, SPA, SEMARNAT, INE	Saul Guzman- SPA (saul.guzman@semarnat.gob.mx)	**Anticipated Results**: Implementation of binational air monitoring action plan and collection of reliable and accurate air monitoring data.
Operate and maintain the San Diego Air Quality Monitoring Network.	SDAPCD, CARB	Staff time and maintenance costs	SDAPCD	Bill Brick, SDAPCD (Bill.Brick@sdcounty.ca.gov)	**Anticipated Results:** Effective operation of air monitoring stations and real-time air monitoring data on web.

California-Baja California 2015-2016 Border 2020 Action Plan

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 1 – Reduce Air Pollution					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Operate and maintain PM2.5 air quality monitor at the San Ysidro Port of Entry through January 2017.	SDAPCD, EPA	Staff time	SDAPCD,EPA	Bill Brick, SDAPCD (Bill.Brick@sdcounty.ca.gov)	**Anticipated Results**: Effective operation of air monitoring stations and post real-time air monitoring data on web.
Install and operate PM2.5 air quality monitors at two locations in Mexicali for a period of two years.	CARB,EPA,SPA	Staff time and maintenance costs	CARB, EPA	Fernando Amador, CARB, (fernando.amador@arb.ca.gov)	**Anticipated Results**: Effective operation of air monitoring stations.
Implement Imperial Valley Child Asthma Program (IVCAP) - Healthy Breathing Healthy Homes to work with families and physicians to promote education on indoor air and asthma triggers in the home *(also included in Environmental Health).*	EPA (Border, Air and Children's Health), IVCAP, El Centro Regional Medical Center (ECRMC), R9 Pediatric Environmental Health Specialty Units (PEHSU)	Staff time	EPA	Priyanka Pathak (pathak.priyanka@epa.gov)	**Anticipated Results:** Number of families and physicians trained; improved asthma trigger management.
Consolidation of the air quality monitoring network in Baja California – first stage.	SEMARNAT, DGCARETC, SPA	$393,000	SEMARNAT	alfonso.blancafort@semarnat.gob.mx	**Anticipated Results** Rehabilitate and/or replace monitoring stations.

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 1 – Reduce Air Pollution					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Objective 4: By 2015, support completion of climate action plans in each of the six northern Mexican Border States (as appropriate), and build the necessary capacity to guarantee sustained implementation.					
Baja California Climate Change Action Plan-Mitigation Cost Benefit Analysis (Phase II)	SPA, BECC, INE	$275,000	BECC	T. Balarezo- BECC (tbalarezo@cocef.org)	**Anticipated Results**: Complete Phase II Climate Change Action Plan Final Report.
Implement "Climate Change Adaptation: Atlas of Risks."	SEMARNAT, SPA	$235,000	SEMARNAT	alfonso.blancafort@semarnat.gob.mx	**Anticipated Results:** TBD.
Improve energy efficiency of the public lighting system in Playas de Rosarito. Increase and improve street paving coverage and roadway city infrastructure.	NADB/BECC, CESPT, Municipality of Playas de Rosarito	$ 20.37 M (Pesos)	NADB, Federal Government of Mexico	Jesica Hernandez - BECC (jahernandez@cocef.org)	**Anticipated Results**: Replacement of street lamps to LED, reduce electricity consumption.

California-Baja California 2015-2016 Border 2020 Action Plan

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 2 – Improve Access to Clean and Safe Water					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Objective 1: Promote the increase in the number of homes connected to safe drinking water and adequate wastewater treatment.					
Sub-objective 1a: By end of 2016, promote access to safe drinking water to at least 2,200 households border-wide. Revise targets every two years.					
Sub-objective 1b: By end of 2016, promote access to adequate wastewater sanitation to 40,700 households border-wide. Revise targets every two years.					
Objective 2: Help drinking water and wastewater utilities in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.					
Sub-objective 2a: Incorporate sustainable infrastructure elements, as feasible and appropriate, into U.S.-Mexico Border Water Infrastructure Program-supported in BECC-certified projects.					
Sustainable infrastructure components will be incorporated into two projects based on the results from water/energy audits.	EPA, Comisión Nacional del Agua (CONAGUA), Border Environment Cooperation Commission (BECC)	TBD	Local, state and federal partners	Hector Aguirre- US EPA (aguirre.hector@epa.gov)	**Anticipated Results:** EPA Region 9 will incorporate sustainable infrastructure components in Holtville, California, such as variable speed pumps.
Sub-objective 2b: Improve energy efficiency and efficient water use at border drinking water and wastewater utilities.					
Technical Assistance to gather field measurements for the Tijuana-Tecate Aqueduct to determine pump efficiency.	BECC/NADB and CEA	$100,000	NADB/BECC Technical Assistance Program	Jesica Hernandez - BECC (jahernandez@cocef.org)	**Anticipated Results:** Field measurements are compiled to help identify opportunities for energy savings via pump replacement.

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 2 – Improve Access to Clean and Safe Water					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Sub-objective 2c: Build operational, managerial, and financial capacity at border drinking water and wastewater utilities through training.					
20 hour seminar (theory and practice) at Utility Management Institute certified by Centro de Estudios de Agua (CDA). Location: Tecate, Baja California, México.	NADB/BECC, TEC de Monterrey, CDA	$20,000	NADB/UMI	Jorge Silva / Alessandra Garcia – (NADB agarcia@nadb.org)	**Anticipated Results**: Train 25 participants from all Municipalities in Baja California on utility management.
Objective 3: Work binationally to identify and reduce surface water contamination in specific high priority water bodies or watersheds.					
Sub-objective 3a: Develop a binational watershed protection plan in the Lower Rio Grande below Falcon International Dam.					
Sub-objective 3b: Every two years, identify and implement at least one project to reduce the level of heavy metals, sediment, and/or bacteria entering the Santa Cruz River and/or the Nogales Creek.					
Sub-objective 3c: Every two years identify and implement at least one project to reduce the levels of bacteria, biochemical oxygen demand (BOD), trash, and/or phosphates entering the New River.					
Implement program to cleanup and prevent clandestine dumps feeding the New River.	EPA, BECC, Sonoran Institute	$65,000	EPA/BECC	Emily Pimentel, EPA, (pimentel.emily@epa.gov)	**Anticipated Results:** cleanup trash from 30,000 m^2 of land adjacent to agricultural drains feeding the New River in Mexicali. Educate members of community on the problem and establish a model for prevention of future contamination.

California-Baja California 2015-2016 Border 2020 Action Plan

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 2 – Improve Access to Clean and Safe Water					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Mexicali wastewater infrastructure rehabilitation in Colonias Loma Linda and Esperanza to reduce spills to the New River.	EPA, BECC, NADB, CONAGUA, CESPM	$1.4M (total project cost)	EPA, NADB, CONAGUA, CEPSM	Hector Aguirre, EPA (aguirre.hector@epa.gov)	**Anticipated Results:** Project will be completed resulting in decreased spills to the New River.
Repairs to Mexicali pump stations 3 and 4 and wet well repairs to reduce untreated discharges to the New River.	CESPM, CONAGUA	$2.5M	CESPM, CONAGUA	Christian Manjarrez , CESPM, (cmanjarrez@cespm.gob.mx)	**Anticipated results:** Series of repairs to pump stations and wet-well, with pump-around to prevent discharges to the New River.
Mexicali wastewater infrastructure diagnostic study.	EPA/NADB	TBD	EPA	Hector Aguirre, EPA (aguirre.hector@epa.gov)	**Anticipated Results**: Diagnostic study identifying O&M issues and prioritizing infrastructure repairs to reduce untreated discharges to the New River.
Sub-objective 3d: Every two years identify and implement at least one project to reduce the level of bacteria, sediment, and/or trash that enters the Tijuana River.					
Remove and properly dispose of trash from Smuggler's Gulch and the pilot channel of the Tijuana River in the U.S. Engage volunteers and community members.	City of San Diego	$50,000	City of San Diego	David Wells, City of San Diego (dwells@sandiego.gov)	**Anticipated Results:** Trash removed from Smuggler's Gulch and the pilot channel. Mass or Volume TBD.

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 2 – Improve Access to Clean and Safe Water					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Prepare initial Tijuana River Valley wide hydrology and hydraulics (H&H) study scoping, data identification, assessment of data gaps from previous studies, and acquisition of LiDAR.	City of San Diego, USACoE	$100,000	City of San Diego	David Wells, City of San Diego (dwells@sandiego.gov)	**Anticipated Results:** LiDAR (digital elevation) data facilitating more accurate modeling and analysis; preliminary study results.
Bi-national treaty (aka, "Minute") committing the U.S. - Mexico to address issues of sediment, trash, and bacteria in the Tijuana Watershed by identifying issues, providing solutions, acquiring resources, and informing the public.	IBWC, CILA	Staff time	IBWC	Jose Nunez, IBWC, (jose.nunez@ibwc.gov)	**Anticipated Results:** Adoption of Treaty Minute 320.
Infrastructure repairs in Tijuana consisting of the rehabilitation and replacement of pipelines and manholes in poor condition to reduce discharges to the Tijuana River.	EPA, CESPT, CONAGUA, NADB/BECC	$7M total	EPA,NADB, CONAGUA	aguirre.hector@epa.gov	**Anticipated Results:** 10,000 meters of rehabilitated and/or replaced pipeline; 525 new residential connections.

California-Baja California 2015-2016 Border 2020 Action Plan

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 2 – Improve Access to Clean and Safe Water					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Action Plan for the Tijuana River Valley Recovery Strategy which identifies several projects to reduce trash and sediment in the Tijuana River Valley.	SD-RWQCB, City of San Diego, County of San Diego State Parks, US Fish and Wildlife Service (US FWS), IBWC, City of Tijuana.	TBD	State Board	Melissa Valdovinos, SD-RWQCB (mvaldovinos@waterboards.ca.gov)	**Anticipated Results:** 5 Year Action Plan adopted by State Board.
Sediment Management Plan for the Tijuana River Valley.	SD-RWQCB, City of San Diego, County of San Diego State Parks, US FWS, IBWC, City of Tijuana.	TBD	State Board	Melissa Valdovinos, SD-RWQCB (mvaldovinos@waterboards.ca.gov)	**Anticipated Results:** Sediment Management Plan for the Tijuana River Valley, which identifies sediment disposal options and cost for the City and County of San Diego, State Parks, IBWC, and the US Fish and Wildlife Service.
Removal and hauling of trash and sediment from Goat Canyon Sediment basins.	CA State Parks	$1,000,000	State of California	Chris Peregrin- CA State Parks (chris.peregrin@parks.ca.gov)	**Anticipated Results**: Removal of 20,000 cubic yards of trash and sediment from basin and haul between 10,000 and 45,000 cubic yards of stockpiled material off site by August 31, 2016.

California-Baja California 2015-2016 Border 2020 Action Plan

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 2 – Improve Access to Clean and Safe Water					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Disposal of trash that has been separated from sediment captured in the Goat Canyon Sediment basins.	TRNERR, SWIA, CA State Parks, National Oceanic and Atmospheric Administration	$32,828	NOAA Marine Debris Program	Chris Peregrin- CA State Parks (chris.peregrin@parks.ca.gov)	**Anticipated Results:** Removal of 400 tons of trash, hauled to landfill by July 31, 2016. Expected footprint of debris removal is 4 acres.
Removal of trash from Goat Canyon Sediment basins after significant storm events, and haul debris to landfill.	TRNERR, SWIA, CA State Parks, National Oceanic and Atmospheric Administration	$21,000	NOAA Marine Debris Program	Chris Peregrin- CA State Parks (chris.peregrin@parks.ca.gov)	**Anticipated Results:** Removal of 10 tons of trash during three clean-out and hauling events by July 31, 2016.
Clean trash from natural habitats and dispose of debris.	TRNERR, SWIA, CA State Parks, Urban Corps of San Diego	$10,000	NOAA Marine Debris Program	Chris Peregrin- CA State Parks (chris.peregrin@parks.ca.gov)	**Anticipated results:** Manual removal of trash from natural habitats by December 31, 2015. Quantity TBD.
Outreach to solid waste managers in the City of Tijuana.	TRNERR, SWIA, CA State Parks, NOAA	$5,000	NOAA Marine Debris Program	Chris Peregrin- CA State Parks (chris.peregrin@parks.ca.gov)	**Anticipated Results:** 8 Meetings to educate City officials on binational impacts of trash.
Outreach to grade school educators in Tijuana to develop marine debris education.	TRNERR, SWIA, CA State Parks, NOAA	$5,000	NOAA Marine Debris Program	Chris Peregrin- CA State Parks (chris.peregrin@parks.ca.gov)	**Anticipated Results:** Partner with two Tijuana schools to develop curriculum and project-based learning program for marine debris

California-Baja California 2015-2016 Border 2020 Action Plan

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 2 – Improve Access to Clean and Safe Water					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Binational Green Infrastructure Project Development (San Diego - Baja California).	TRNERR, NOAA'S Coastal Training Program, NOAA's Office of Ocean and Coastal Resource Management	TBD	TRNERR Coastal Training Program	Ana Eguiarte, (aeguiarte@trnerr.org)	**Anticipated Results:** Identify possible green infrastructure projects in San Diego and develop at least one binational workshop to promote green infrastructure in Tijuana with the goal of reducing stormwater contamination in the estuary.
Implement the Water Quality Improvement Plan (WQIP) in Imperial Beach to reduce suspended solids and other stormwater pollutants.	City of IB, City and County of SD	TBD	City of IB	Chris Helmer (chelmer@imperialbeachca.gov)	**Anticipated Results:** Implementation of activities covered under WQIP to reduce pollutant loads from municipal stormwater discharges.
Restoration project to restore the Tijuana River below the Rodriguez Dam.	EPA, BECC, Pronatura	$100,000	EPA	liden.douglas@epa.gov	**Anticipated Results:** Restoration of 50 hectares and 3km of the riparian corridor, including trash removal. Reuse of effluent from Tijuana wastewater treatment plant. Development of strategy for future maintenance.

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 2 – Improve Access to Clean and Safe Water					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Objective 3-other: Initiatives to reduce water contamination in other watersheds and/or water bodies					
Objective 4: Provide the public with timely access to water quality data in binational water bodies and watersheds in a readily understandable, web-based format.					
Sub-objective 4a: Develop a binational website that displays timely information on beach advisories on both sides of the border in the Brownsville/Matamoros area, and ensure its operation through 2020.					
Sub-objective 4b: Develop a binational website that displays timely information on beach advisories on both sides of the border in the San Diego/Tijuana area, and ensure operation of website through 2020.					
Sub-objective 4c: Develop a binational website that displays timely information on water quality in high-priority watersheds including the Lower Rio Grande, the New River, and the Tijuana River and ensure operation of website through 2020.					
Binational water quality database with GIS portal.	IBWC	TBD	IBWC, CONAGUA	Gilbert.anaya@ibwc.gov	**Anticipated Results:** Operate and update websites on ibwc.gov portal.

California-Baja California 2015-2016 Border 2020 Action Plan

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 3- Promote Materials Management, Waste Management and Clean Sites					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Objective 1: By 2020, increase local and state-level institutional knowledge and experience in the area of sustainable					
Convene a Sustainable Materials Management (SMM) Forum in Tijuana in Fall 2015 to promote strategies and actions targeted to achieve zero waste in the future.	With partners from EPA and Cal-EPA & SEMARNAT and SPA; nonprofits, TCV, and others, and academic and business/industry.	Existing EFC West grant ($35,000); will also seek in-kind support.	Existing EFC West EPA grant.	Emily Pimentel, EPA	**Anticipated Results:** Advance SMM knowledge among at least 50 leaders and practitioners and launch at least one pilot project to showcase SMM outcomes.
Develop guidance on preparing end-of-life vehicles (junk cars) for disposal in an environmentally sound manner.	Border-wide initiative lead by EPA-HQ and SEMARNAT-Central offices.	Contract funds (EPA-HQ)	EPA-HQ	Rick Picardi, EPA-HQ	**Anticipated Results:** Complete Draft Guidance by Feb. 2014 and Final Guidance by Sept. 2015; develop outreach strategy to share guidance and report on number of entities reached.
Provide compliance assistance on hazardous waste requirements in accordance with RCRA and California's hazardous, solid, and universal waste requirements (pertaining to scrap tires, used electronic devices, and other materials).	Cal-Recycle	In-kind	Cal-Recycle	TBD	**Anticipated Results:** Report on number of completed workshops and number of participants or direct compliance assistance activities to border communities (e.g. outreach to Mexican tire haulers). (See also CA/Baja CA Goal 5 Action Plan).

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 3- Promote Materials Management, Waste Management and Clean Sites					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Implement "Tijuana Green and Clean" and acquire equipment for the Composting Center.	SEMARNAT-DGFAUT, SPA	$3,368,382.88	SEMARNAT	alfonso.blancafort@semarnat.gob.mx	**Anticipated Results:** Equipment acquired. Documentation of program implementation.
Objective 2: By 2014, identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.					
Integrated e-Waste management demonstration program in Mexicali. This is a three year program that seeks to educate and raise awareness about e-waste and improve conditions and capacity to safely collect and recycle e-waste.	BECC and Multilateral Investment Fund (FOMIN)/Inter-American Development Bank, and others.	$462,000 (plus in-kind support thru partnerships)	FOMIN/Inter-American Development Bank.	Jorge Hernandez, BECC	**Anticipated Results:** number of individuals trained and certified to safely handle e-waste; reduce e-waste from getting disposed into landfills; increase number of micro-business repairing or recycling e-waste; transition informal workers to formal, safer jobs with living wages.
Hold at least five e-waste collection events, provide training to businesses, and conduct public outreach on best management practices associated to discarded electronic devices in Mexicali.	Fundacion Helice and Mexican federal and state agencies – SPA, SEMARNAT, PROFEPA.	$52,500	BECC: grant	Myriam Serra and Carmen Muñoz, Fundación Hélice; EPA: Emily Pimentel; Jorge Hernandez, BECC	**Anticipated Results:** Complete five collection events in Mexicali; collect at least 20 tons of e-waste; complete outreach events educating public on best management practices to safely recycle e-waste; increase knowledge of recyclers thru targeted workshops of voluntary certification programs.

California-Baja California 2015-2016 Border 2020 Action Plan

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 3- Promote Materials Management, Waste Management and Clean Sites					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Objective 3: By 2020, improve knowledge at every level of government (federal, state, local) to characterize and remediate contaminated sites.					
Construction of an urban solid waste and special waste (RME) transfer stations in Tecate, Baja California.	SEMARNAT/ General Directorate of Urban Environmental Development and Tourism (DGFAUT)	MN$ -4,050,000 (US$227,000)	SEMARNAT / DGFAUT	Alfonso Blancafort (SEMARNAT)	**Anticipated Results:** Construction of an urban solid waste transfer station in Poblado la Rumorosa in Tecate.
Construction of an urban solid waste and special waste (RME) transfer center and study for site selection in Tecate, Baja California.	SEMARNAT/ DGFAUT	MN$-2,950,000 (US$ 219,327)	SEMARNAT DGFAUT	Alfonso Blancafort (SEMARNAT)	**Anticipated Results:** Completion of site selection study and construction of an urban solid waste transfer station in Paso del Aguila, Tecate, Baja California.
Construction of an urban solid waste and special waste (RME) transfer stations in Ensenada, Baja California.	SEMARNAT/ General Directorate of Urban Environmental Development and Tourism (DGFAUT)	MN$ -4,050,000 (US$227,000)	SEMARNAT / Department of Environmental Development, Urban and Tourism (DGFAUT)	Alfonso Blancafort (SEMARNAT)	**Anticipated Results:** Construction of an urban solid waste transfer station in Ensenada, Baja California. Maneadero delegation, Ensenada.
Construction of two solid waste transfer stations in Mexicali, Baja California.	SEMARNAT/ DGFAUT	MN$ -10,099,358 (US$750,906)	SEMARNAT / DGFAUT	Alfonso Blancafort (SEMARNAT)	**Anticipated Results:** Construction of two urban solid waste transfer stations in Mexicali, Baja California.
Construction and equipping of a Scrap Tire Transfer Station for the Metro Tijuana/ Tecate/ Playa de Rosarito area.	Cities of Tijuana, Tecate, Rosarito, BC-SPA, SEMARNAT	MN$ – xx (US$87,300)	SEMARNAT / DGFAUT	SPA/SEMARNAT	**Anticipated Results:** Complete construction of tire transfer station in Baja CA border region Metro area.

California-Baja California 2015-2016 Border 2020 Action Plan

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 3- Promote Materials Management, Waste Management and Clean Sites					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Closure of five contaminated sites in Mexicali.	SEMARNAT/ DGFAUT	MN$ -18,540,045 (US$ 1,378,488	SEMARNAT / DGFAUT	Alfonso Blancafort (SEMARNAT)	**Anticipated Results:** Closure of five contaminated sites in Mexicali.
Trash removal in the New River in Mexicali; demonstrate canal repurposing thru Eco-kiosk and revegetation and engage community in trash mitigation via community-based tools.	Sonoran Institute and federal, state and local Mexican partners including CILA, SEMARNAT, Municipality of Mexicali, and SPA	$65K BECC grant	BECC grant, in-kind support from Sonoran Institute and leveraging from various government agencies.	Edith Santiago and Francisco Zamora, Sonoran Institute	**Anticipated Results:** Trash removal in 1.5 km area; implement Eco-kiosk and revegetation in 1.5 km area; and develop trash mitigation actions.
Municipal Program for the Prevention and Management of Municipal Solid Waste in Ensenada, Baja California.	SEMARNAT-DGFAUT, SPA	$971,384.00	SEMARNAT	alfonso.blancafort@semarnat.gob.mx	**Anticipated Results:** Implement program; document reductions in solid waste.
Municipal Program for the Prevention and Management of Municipal Solid Waste in Tijuana, Baja California.	SEMARNAT-DGFAUT, SPA	$1,480,000.00	SEMARNAT	alfonso.blancafort@semarnat.gob.mx	**Anticipated Results:** Implement program; document reductions in solid waste.

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 3- Promote Materials Management, Waste Management and Clean Sites					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Objective 4: On an annual basis, implement the Binational Consultive Mechanism on sharing information on border area hazardous waste facilities.					
Implement Consultative Mechanism in coordination with border states to disseminate information on treatment, storage, and disposal facilities along the CA/Baja CA border.	CA Dept. of Toxic Substances (DTSC) and Baja CA Secretary for Environmental Protection (SPA)	In-kind	In-kind EPA, SEMARNAT, and State staff.	Rick Picardi (EPA HQ); SEMARNAT	**Anticipated Result:** Implement the Consultative Mechanism. Publish annual report on Border 2020 website. Update annually.

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 4- Enhance Joint Preparedness for Environmental Response					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Objective 1: Update as necessary, the current Mexico-US Joint Contingency Plan and on an annual basis, continue to evaluate and update the emergency notification mechanism between Mexico and the United States.					
Continue to evaluate the notification system at the federal level and at the local and state levels.	EPA, Protección Civil, PROFEPA, ADEQ, and other CA-Baja CA Task Force partners.	TBD	TBD	Bill Jones - USEPA (jones.bill@epa.gov)	**Anticipated Result:** Document results of the emergency response notification system evaluations and quarterly communications tests as well as simulations to work through events such as a hazardous materials spills.
Objective 2: By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building.					
Update at least one Sister City Plan with preparedness and prevention related activities.	EPA, Protección Civil, PROFEPA and other CA-Baja Task Force partners.	TBD	US EPA Superfund	Bill Jones - USEPA (jones.bill@epa.gov)	**Anticipated Results:** Update Sister City Plans with preparedness and prevention related activities; Update Sister City Plans for Imperial Valley-Mexicali.

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 4- Enhance Joint Preparedness for Environmental Response					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Provide training to emergency responders on preparedness and prevention related activities.	EPA, Protección Civil, PROFEPA, ADEQ, and other CA-Baja Task Force partners.	Contingent on available resources	TBD	Bill Jones - USEPA (jones.bill@epa.gov)	**Anticipated Results:** Provide First Responder Awareness (FRA) training; First Responder Operations (FRO) training; HazMat refresher; and Incident Command System 100, 200 and 300.
Objective 3: By 2016, the US-Mexico JRT will make available technical outreach and training materials for distribution and dissemination along the border.					
Provide capacity building materials that will enhance response readiness, cross-border coordination, and training continuance for emergency responders in California/Baja California.	EPA, Proteccion Civil, PROFEPA, ADEQ, and other CA-Baja CA Task Force partners.	TBD	US EPA Superfund	Bill Jones - USEPA (jones.bill@epa.gov)	**Anticipated Results:** Provide capacity building materials in Spanish to emergency responders; enhanced response readiness, cross-border coordination, and training continuance.
Distribute Incident Command System, Personal Protective Equipment, Fire Safety, Radiation Safety, Mercury Response, and First Responder Awareness training.	EPA, Protección Civil, PROFEPA, and other CA-Baja CA Task Force partners.	Contingent on available resources	TBD	Bill Jones - USEPA (jones.bill@epa.gov)	**Anticipated Results**: Among of emergency response systems and equipment distributed. Results will be based on available resources.

California-Baja California 2020 Master Action Plan – 2015-2016 Goal 4- Enhance Joint Preparedness for Environmental Response					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Objective 4: By 2016, the US-Mexico JRT will analyze existing agreements (including sister city plans) that allow trans-boundary movement of equipment and personnel for comparison purposes.					
Research agreements that allow personnel and equipment to cross the international border to respond to environmental emergencies. Seek assistance from Border Governors, as appropriate.	EPA, PROFEPA. PROT. CIVIL, State and Local Municipalities.	TBD	TBD	Beatriz Oliveira, Bill Jones, Enrique Ortiz, Jorge Vargas	**Anticipated Results**: identify at least one mutual agreement that permits the movement of personnel and equipment across the US-MX border. Obtain assistance from Border Governors to develop agreement on trans-border movement of equipment and personnel.

California-Baja California 2015-2016 Border 2020 Action Plan

California-Baja California Border 2020 Master Action Plan – 2015-2016 Goal 5- Enhance Compliance Assurance and Environmental Stewardship					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Objective 1: By 2020, strengthen effective information sharing between US and Mexican agencies regarding the movement of hazardous waste across the border and its ultimate treatment or disposal. In addition, ensure that land ports of entry have sufficient inspection capacity to police hazardous shipments.					
Provide compliance assistance and enforce Hazardous Waste Import/ Export regulations at California's Land Ports of Entry with US Customs and CA-DTSC; Collaborate on Border 2020 Waste & Enforcement Task Forces.	DTSC and EPA	$250,000 per year and In-kind DTSC funds (*These funds are the same as those reported under Goal 3*)	RCRA STAG (state grants)	Alfredo Rios, DTSC	**Anticipated Results**: Report on number of vehicle port of entry inspections conducted and cases developed.
Police California's Harbor Ports of Entry to ensure proper conformity of non-road vehicle engine imports thru national EPA initiative.	EPA	In-Kind	EPA	Joel Jones	**Anticipated Results**: Document numbers of inspections and enforcement actions; Report on inspections and cases developed related to environmental violations.
Provide compliance assistance and enforce California's scrap, e-waste, and other materials management programs.	Cal-Recycle	In-kind	Cal-Recycle	Jeff Hunts, Keith Cambridge, and others.	**Anticipated Results**: Report on border compliance assistance and other program activities; Report on any border inspections and environmental violations.

California-Baja California 2015-2016 Border 2020 Action Plan

California-Baja California Border 2020 Master Action Plan – 2015-2016 Goal 5- Enhance Compliance Assurance and Environmental Stewardship					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Objective 2: By 2020, in Mexico, increase by 25 percent the number of businesses in the border region enrolled in the National program for Environmental Auditing (PNAA) and/or similar programs at the state level for facilities not regulated by the federal government, using 2012 as a baseline.					
Objective 3: Using the U.S. Toxic Release Inventory (TRI) and the Mexican Registry of Emissions and Transfers of Pollutants (RETC), along with other sources of environmental information, share information regarding activities contributing pollution to trans-boundary air and/or water basins along the border.					
Report on activities that contribute to trans-boundary air and/or water pollution using the U.S. Toxic Release Inventory (TRI) and Mexican Registry of Emissions and Transfers of Pollutants (RETC).	EPA/SEMARNAT	In-Kind	EPA/SEMARNAT	Emily Pimentel	**Anticipated Results:** Develop fact sheets on activities that contribute to transboundary air and/or water pollution in the Arizona/Sonora region. Develop the public knowledge of pollution sources.
Objective 4: By 2020, implement at least five (5) binational workshops targeted to environmental enforcement professionals, including port-of-entry customs professionals, to promote the exchange of information and improve understanding of each country's respective compliance and enforcement programs and tools, including field inspection and case development practices.					
Implement a border enforcement panel in San Diego in Jan. 2015 as part of the annual CUPA Conference.	CA Dept. Toxic Substances Control/San Diego CUPA and EPA/SEMARNAT and Baja CA SPA	In-Kind	CUPA Annual Conference	Romina Scheiss, San Diego CUPA	**Anticipated Result:** Convene Border enforcement panel to share information and lessons-learned among border enforcement agencies.

California-Baja California Border 2020 Master Action Plan – 2015-2016 Fundamental Strategy – Environmental Health					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Imperial Valley Child Asthma Program-Healthy Breathing Healthy Homes Project will work with families and physicians to promote education on indoor air and asthma triggers in the home.	EPA, IVCAP, ECRMC, BECC	$55,000	$55,000	Priyanka Pathak, EPA	**Anticipated Results**: Implement program and document numbers of families participating.
Conduct training on asthma triggers. Doctors from the EPA Region 9 Pediatric Environmental Health Specialty Units will train Imperial Valley doctors on best practices for asthma management for their patients.	EPA (Border, Air and Children's Health), IVCAP, ECRMC, R9 PEHSU	TBD, in-kind	EPA, BECC	Priyanka Pathak, EPA	**Anticipated Results**: Conduct training and document number of participants.
Conduct at least one *promotor* workshops to share environmental health information with promotores and health outreach workers who will share information with vulnerable populations along the California-Baja California border.	EPA, U.S.M. Border Health Commission	Scope of Work covers this activity as well	EPA and BHC	Border environmental health coordinator	**Anticipated Results:** Hold workshop in San Diego/Tijuana and Calexico/Mexicali. Reach approximately 100-150 promotores who will then build knowledge with their communities and vulnerable populations in California-Baja California.

California-Baja California 2015-2016 Border 2020 Action Plan

California-Baja California Border 2020 Master Action Plan – 2015-2016 Fundamental Strategy – Environmental Health					
Description of Action	**Collaborating Organizations**	**Cost**	**Sources of Funding**	**Lead Points of Contact**	**2016 Target Output and Results**
Convene a Border Children's Health Symposium for medical and healthcare practitioners working in the border region to build children's environmental health capacity and ensure that environmental health information and emerging studies are reaching doctors and public health personnel working with vulnerable populations within the border region.	EPA, BHC	TBD	EPA - Children's Health, Border, U.S.M. Border Health Commission	Jackie Menghrajani, Border environmental health coordinator	**Anticipated Results:** Reach at least 150 physicians, public health nurses, staff and promotores on priority environmental health topics impacting border communities.
Healthy homes training for community health workers and promotores in Imperial Valley.	IVCAP, EPA	TBD	TBD	Priyanka Pathak - Alheli thinks this should be Jackie	**Anticipated Results:** Build capacity among participants regarding environmental hazards in homes that may impact health and how to address these hazards. Participants will learn how to educate others about healthy homes concepts.
Assessment of Environmental Health Data for the California/Mexico Border.	EPA, BHC	$49,000	Border 2020	Jeremy Bauer, EPA	**Anticipated Results:** A. A report for public agencies, decision makers, and non-governmental organizations B. Template for improving the borders' environmental health surveillance system for ongoing analysis of health and environmental data. C. At least five recommendations for a binational border region environmental health surveillance system to enhance collaboration and data exchange between the U.S. and Mexico

Protecting the Environment and Public Health

IN THE U.S.–MEXICO BORDER REGION

BORDER 2020

FRONTERA 2020

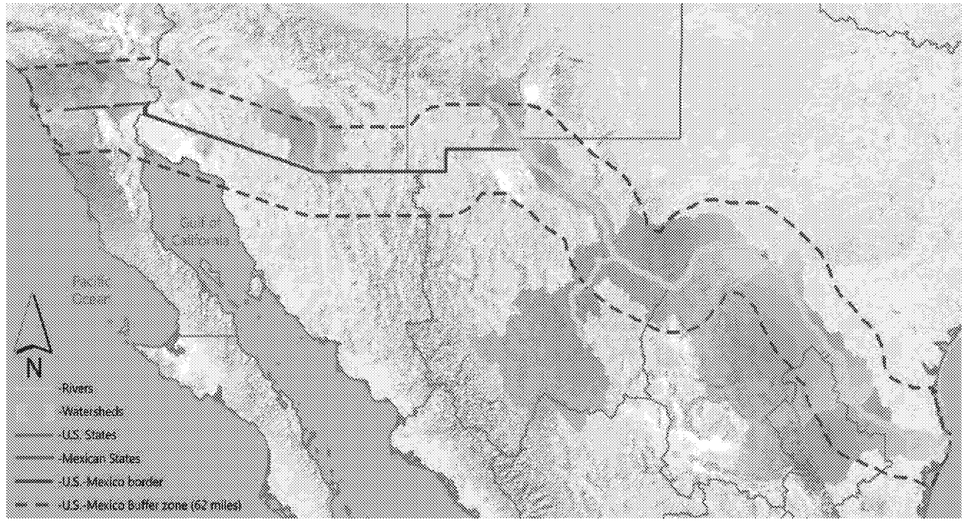
ED_002319B_00013301-00001

Overcoming Binational Environmental Challenges

The U.S.-Mexico border region is home to over 15 million people who share natural resources, watersheds, and air basins that transcend political boundaries. Binational pollution impacts both sides of the border and necessitate a coordinated response. To improve and protect the environment and public health, the La Paz Agreement was signed by the Governments of Mexico and the United States in 1983, thus providing the foundation for cooperative efforts to address the complex and intertwined environmental issues along the U.S.-Mexico border.

Opening ceremony of the Border 2020 Program at Tijuana, Baja California, on August 8th, 2012

A Diverse U.S.-Mexico Border Region



- **15 million+** people borderwide
- **26** federally recognized U.S. tribes
- **6** national parks
- **4** transboundary watersheds with **2** listed as a U.S. national priority
- **40+** U.S. counties and **80** MX municipalities
- **4** transboundary rivers into the U.S.
- **2,000** mile shared border

Map caption here

TIMELINE

Building from the La Paz Agreement, U.S. EPA and Mexico's SEMARNAT have implemented four successive binational programs to meet emerging environmental challenges in this dynamic region. Along the entire border, key stakeholders such as the 10 states, 26 tribes and local partners have provided leadership and additional funding to implement projects that advance environmental protection and public health improvements while the population and economic activity has increased.

1983

The Basis for Binational Cooperation — La Paz Agreement

Presidents Reagan of the U.S. and President de la Madrid of Mexico sign the La Paz Agreement

Recognizing the need to cooperate binationally on environmental and public health challenges in the border region, the Governments of the United States and Mexico signed the Agreement on Cooperation for the Protection and Improvement of the Environment in the Border Area (the La Paz Agreement), in the city of La Paz, Baja California Sur, Mexico, in 1983.

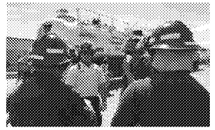
1992

Integrated Border Environmental Plan (IBEP)

The first binational border program, IBEP, focused on enhanced environmental regulation and resulted in significant investments in infrastructure along the border. Although the binational environment improved, many projects were implemented at a federal scale, the Program recognized the need to address environmental and health concerns on the border with more local involvement.

1996

Border XXI



Local emergency response sister-cities were developed

Border XXI established a five-year bilateral effort which included additional federal partners to achieve its goals, engaged the 10 border states and U.S. tribes, and included over 40 public meetings to solicit input and identify local priorities. Border XXI established nine borderwide workgroups to address transboundary environmental issues. While the workgoups implemented many pilot projects benefitting communities, the program objectives remained broad in nature.

2003

Border 2012

Partnered with U.S. tribe and Necua Indigenous Community on waste management

The Border 2012 Program set an ambitious ten-year plan that included specific and measurable environmental goals and objectives developed through public input. The Program took a bottom-up approach that continued engagement of state, tribal and local communities and operated through four new regional workgroups and numerous local taskforces to implement stakeholder-led projects.

2012

Border 2020

Improving water infrastructure in the Tijuana-San Diego region

Border 2020 continues a bottom-up approach and tackles emerging environmental issues. Program goals were established binationally and seek to improve air and water quality, reduce waste, strengthen emergency response, promote environmental stewardship and address environmental health. These goals directly align with U.S. EPA's core programs, local priorities, and the original mandate from the La Paz Agreement to address the complex and on-going regional environmental challenges.

Overcoming Binational Environmental Challenges

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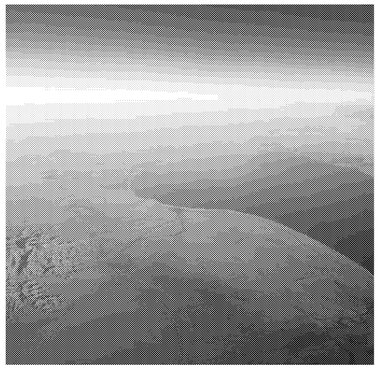
Protecting Communities Borderwide



Aerial view of Imperial County, California

Improving the Air We Share

Many U.S.-Mexico border cities share binational air basins, where pollutants such as particulate matter (PM10, PM2.5) and ozone (NO_x and VOC) travel across borders. Exposures to these pollutants can affect our lungs, triggering a variety of health problems, particularly to vulnerable populations with asthma. In the border region, ozone is problematic in the San Diego and Imperial Valley, California air basins while PM is a key concern in the El Paso, Texas air basin.

In response, local binational task forces formed to coordinate and implement solutions such as improving and/or expanding monitoring networks, increasing data availability, and expanding public outreach. Air monitoring from 2006 -2014 identified a decline in ozone exceedances in the San Diego and Imperial Valley air basins and PM exceedances in the El Paso air basin.

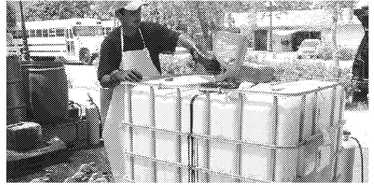
Groundbreaking ceremony of water system improvements in Anthony, New Mexico

Enhancing Water Quality

The U.S.-Mexico border region shares four transboundary watersheds with many rivers flowing north. Untreated wastewater is an environmental health challenge when outdated infrastructure and extreme weather events result in sewage overflows and untreated stormwater entering these transboundary waterways.

Since 1997, the Border Water Infrastructure Program (BWIP) and binational program partners have supported the construction and/or expansion of infrastructure projects that are eliminating over 350 million gallons a day (mgd) of untreated or inadequately treated sewage discharges. This is the equivalent to wastewater generated by 8.5 million people. In addition, green infrastructure projects and trainings in Ambos Nogales reduced impacts from stormwater runoff into the Nogales Wash and the Santa Cruz River in Arizona.

The Border Program also carries out trash cleanup and waste reduction efforts to address illegal dumping that contaminates transboundary waterways and the Pacific Ocean. To protect existing infrastructure, the program partners with local businesses in Texas, Arizona and Tamaulipas to properly dispose of Fats, Oils and Grease (FOGs). In addition, more than 1,000 community members and municipal staff in southern New Mexico and west Texas received training on the health threats posed by improperly maintained septic tanks.



Household hazardous collection event in Nuevo Laredo, Tamaulipas, Mexico

Promoting a Cleaner Region

When waste materials are improperly disposed of they can negatively impact our lands, transboundary watersheds, oceans and create habitat for vector borne illnesses. As the population has grown in border communities, increased amounts of plastics, electronics, tires and other materials have overburdened the waste management infrastructure and services.

The Border Programs have improved collaboration between binational stakeholders to reduce waste through: 1) mitigating the impacts of plastic, tires, and other waste through cleanups and educational outreach and community actions; 2) reducing waste and increasing recovery and reuse of plastic, e-waste, tires, and other materials; and 3) building technical capacity among diverse stakeholders to adopt sustainable materials management practices.

Since 2005, communities in the U.S.-Mexico border region have carried out projects to properly dispose: over 8 million scrap tires, nearly 60,000 tons of household hazardous waste, and 264.43 tons of electronic waste.

Ojinaga, Chihuahua Responders received HAZMAT training and equipment (2012)

Strengthening Emergency Response Capability

Binational emergency preparedness and response coordination is critical in the border region, because toxic smoke, contaminated water and other impacts from disasters and incidents pay no heed to local, state or international boundaries. Emergency preparedness efforts — training, exercises, equipment — have been tested in real-life emergencies and led to a more efficient coordinated response along the U.S.-Mexico border. Joint Response Teams (JRT) support these efforts and ensure timely binational reporting of incidents.

Through the Border Program since 2013, more than 10,500 responders have received capacity trainings from over 140 training courses and over 25 binational exercises and 200 drill notifications between the U.S. and Mexico. These actions and resources have made the border region safer for residents, first responders and the environment.

Promoting Environmental Stewardship

Improperly managing hazardous materials can contaminate transboundary environments and cause environmental health issues. Challenges such as illegal or improper crossing of hazardous wastes and material at the U.S.-Mexico port-of-entries and the lack of community information on pollutant sources has called for improved enforcement efforts, compliance assurance and environmental stewardship.

Through Border Program efforts, environmental inspectors are now present at ports-of-entry and information is exchanged between program partners on transboundary compliance at binational workshops.

Border communities are also benefitting from improved transparency of U.S. and Mexican pollutant discharge data (i.e. the U.S. Toxic Release Inventory [TRI] and the Mexican Registry of Emissions and Transfer of Pollutions [RETC]) reports. In addition, a binational public-private partnership also led to enhanced environmental stewardship, through ISO-14000 certification, for over 20 medium-sized companies in border communities.

Inspector conducts truck stop inspection in Calexico, CA. Photo/Jessica Rodriguez

Partnering Binationally to Tangible Environmental Improvements

Tangible improvements along the entire 2000-mile border through stakeholder-driven projects

CALIFORNIA

ARIZONA

NEW MEXICO

TEXAS

BAJA CALIFORNIA

SONORA

CHIHUAHUA

COAHUILA

NUEVO LEÓN

TAMAULIPAS

Pacific Ocean

Gulf of California

Gulf of Mexico

N

IMPACT: Binational Collection of Oil and Grease for Biodiesel

Through the Ambos Nogales Biodiesel Capacity Building Program, oil and grease collected from local restaurants is transformed into biodiesel fuel. This program has the dual benefit of 1) preventing the oil and grease from negatively impacting the sewer system and 2) creating an alternative fuel.

Key Accomplishments:

- Produced X amount of biodiesel from X to X
- Reduced grease blockages in sewer systems
- Increased local usage of biodiesel for fire department vehicles

BEFORE: Fat and bread crumbs left behind from filtering oil

AFTER: Refueling cars with biodiesel converted from grease and oils

IMPACT: Improving Air Quality in the Paso del Norte Region

The Joint Advisory Committee was formed in 1996 and works to improve air quality through binational collaboration.

Key Accomplishments:

- Introducing cleaner fuel (oxygenated gasoline) in Mexico
- Dedicating commuter lanes at border crossings to reduce emissions and wait times
- Strengthening vehicle inspection in Ciudad Juarez with an average of 200,000 inspections completed annually

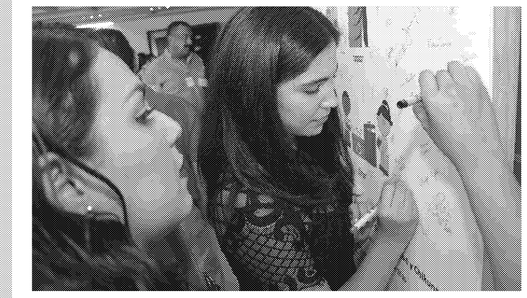
View of El Paso-Ciudad Juarez Airshed

IMPACT: 900+ Participate in Binational Symposia to Improve Environmental Health

From 2015-17 Border 2020 and EPA's Children's Health Offices convened four children's environmental health and two vector borne disease symposia. Topics included: indoor air quality, asthma, lead, mosquito borne illness, children's health and prenatal exposures among others.

Participation:

- 566+ attended the children's health symposia in El Paso and Brownsville, Texas, and San Diego, California
- 360+ attended two vector borne disease prevention symposia in Mexicali, Baja California and Nogales, Sonora
- Participants at symposia included healthcare experts from the U.S. and Mexico, public health practitioners, community health promoters or promotores, educators, medical students, faculty, government agencies, and the public



Students sign pledge poster to manage vector borne diseases from mosquitoes using integrated pest management.

IMPACT: Improving the Air We Share

Federal, state, and local agencies are successfully collaborating to collect data at border crossings and inform neighboring communities.

Key Accomplishments:

- From 2015-16, monitored for $PM_{2.5}$ (fine, particulate matter) at San Ysidro, the busiest land port of entry in the Western Hemisphere and demonstrated impact of border traffic on air quality, especially during morning commute times
- Community and media outreach target sources of $PM_{2.5}$ including fireworks and open burning in the Imperial-Mexicali region to mitigate health impacts

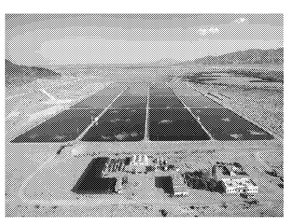
Roof-top equipment monitors $PM_{2.5}$ levels as traffic backs up at San Ysidro Port of Entry

IMPACT: Enhancing our Water

After a Border 2012-funded monitoring program identified wastewater treatment plant discharges contributed to algal blooms in Rio Hardy, the program then funded the to design and construct a 97-hectare (240 acres) artificial wetland system in 2007.

Key Accomplishments:

- 15 mgd of discharges, such as wastewater and untreated sewage that once polluted the New River, is now treated
- Reduced nutrient levels from discharges and expanded riparian habitat

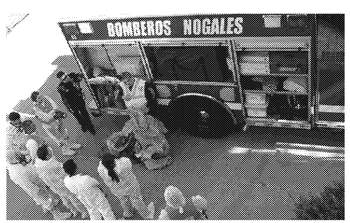


Photo/Bill Hatcher, Sonoran Institute

IMPACT: Strengthening Emergency Preparedness

The border region is highly industrial and hazardous materials pose a threat to communities and transboundary air and watersheds. Arizona State University led the development of a binational Hazardous Materials Emergency Response Training (HAZMAT) Pilot Program with industry, academia, and federal, state, and local agencies which:

- Developed five multi-day training courses
- Trained and certified 12 new instructors
- Created a binational model for on-going trainings to industry and first responders



Photo/Bill Hatcher, Sonoran Institute

IMPACT: Enhanced Sustainability in Alamo, Texas

Through a new partnership, the City enhanced environmental stewardship by:

- Decreasing illegal dumping by over 238 tons/year
- Presenting to over 1,270 students at five community presentations on recycling
- Distributing 5,000 bilingual recycling brochures and installing a revolving recycling trailer and bins at schools
- Leading community clean-ups and collection events

School student contest mascot design winner presented with award at city council

IMPACT: Enhancing Emergency Preparedness in Colonias

In August 2016 the Border 2020 Program, along with NGOs in the Lower Rio Grande Valley region, hosted the first Emergency Preparedness Conference for Colonias.

Key Accomplishments:

- 110+ residents were trained on how to prepare, survive and recover from a disaster
- Other topics included: fire prevention, food safety and storage, county evacuation plans, disaster housing, and family emergency planning.

Colonias Conference in Alamo, Texas, in August 2016

"The Border 2020 program is essential to continue providing guidelines of our goals within the United States and the State of Texas. We need to continue to improve the environment and decrease pollution."

– Dr. Elaine Mowinski Barron, MD, El Paso, Texas, U.S. Joint Advisory Committee Charter Member

"The Border 2020 work group has allowed a working relationship to become an excellent friendship. It has been a very useful tool for the development of border environmental initiatives. Sonora and Arizona have benefited from multiple projects on water, air, and solid waste."

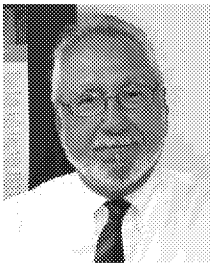
– Luis Carlos Romo Salazar, Commissioner, Commission on Ecology and Sustainable Development, State of Sonora, Mexico

LEGEND

- U.S.-Mexico Border
- 62-mile Border Region
- U.S. States
- Mexican States
- Project Locations

Two countries, ten states, twenty-six tribes

one environment



"The Border 2020 Program has allowed us to improve our relationship with EPA and more importantly they are accepting local input. That is important to develop long term relationships and really address U.S. – Mexico Border environmental issues."

– **Dr. Hector F. Gonzalez**, Laredo, Texas, Director of the City of Laredo Health Department

"These trainings save lives. Thanks to the Border 2020 program, both countries are working together not only to protect the communities but ourselves. It's a great satisfaction knowing that thanks to these courses we have saved lives."

– **Luis Chaboya**, Retired Fireman, Nogales, Arizona

BORDER 2020 FRONTERA 2020

U.S.-Mexico Border 2020 Program

www.epa.gov/border2020

Regional Workgroup
Coahuila-Nuevo León-Tamaulipas-Texas
(Four State Regional Workgroup)

Meeting of the Amistad Task Force

December 8, 2015
1:00 – 4:30 pm

Del Rio Civic Center
1915 Veterans Blvd.
Del Rio, TX 78840

Minutes

Summary of Participants: Officials from EPA Region 6, Border Environment Cooperation Commission (BECC), Secretariat of Environment in Coahuila, City of Del Rio, Municipio de Acuña, Maverick County, Municipio de Piedras Negras, SIMAS (Piedras Negras water utility), Technological Institute of Piedras Negras, and other non-profit environmental organizations.

Dr. Carlos Rincon of the EPA Region 6 El Paso office provided an overview of the structure, goals and objectives of the Border 2020 Program.

Victor Wong discussed the meeting objectives and discussed the 2015-2016 action plan for the Amistad Task Force. Wong mentioned that there are 14 projects in the plan and briefly summarized the new projects that were added to the plan.

Alejandra Carrera (Secretariat of Environment in Coahuila) discussed the status of the restoration of Las Vacas stream in Acuña.

The Secretariat of Environment in Coahuila (SEMAC) was awarded an EPA Border 2020 grant to conduct a diagnostic study on the water quality and ecological conditions of Las Vacas stream, which flows through Ciudad Acuña and is a tributary of the Rio Grande.

SEMAC partnered with the Texas Commission on Environmental Quality (TCEQ), Ciudad Acuña and the Institute of Higher Studies in Acuña to develop different phases of the study.

The first step of the project consisted of conducting diagnostics based on methodological standards. This process entailed dividing each area of the stream into color codes. These colors were useful in evaluating the water quality and ecological conditions of each area. Researchers found that there are sections of the stream that are in good conditions, but the rural areas before the stream flows into Acuña were found to have issues related to illegal dumping, extraction of rock material by rock quarries, and deforestation.

A geographical system was developed on Google Earth to include data on issues found in each of the sections of Las Vacas stream.

SEMAC implemented programs related to water quality monitoring, flora and fauna, reforestation, enforcement and identification of polluted point sources, to conduct assessments on the stream's ecological conditions.

SEMAC, TCEQ and the LBJ School of the UT Austin organized a technical exchange to share information on TCEQ's surface water quality regulations and procedures. The Technological Institute of Higher Studies of Acuña (ITSA) and SEMAC also presented the findings of the study at the Environmental Trade Fair held in Austin in May.

A Quality Assurance Performance Plan (QAAP) was drafted to identify sampling points for each of the sections of the stream. Sampling was conducted at 15 monitoring sites. The sampling results yielded that the stream has good water quality. There were no sources of heavy metals detected.

SEMAC, TCEQ, IBWC and CILA (Comisión Internacional de Límites y Agua) organized a binational training on water quality monitoring in November. The goals of the training were to share information on surface water quality monitoring regulations by Texas and Mexico, and train staff on sampling techniques and procedures. This training renewed interest on implementing a rivers program in Coahuila that would be similar to Texas' Clean Rivers Program.

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COLEF found that 64.5% of the population is eligible to use health care programs administered by Mexico's public health institutions and 33% is not eligible to receive medical services through these programs. Half of the dependents are eligible to receive services through IMSS, 6.6% receive services through ISSSTE programs, and 36% are enrolled in Mexico's Seguro Popular. In the Coahuila border, more than 75% of the population in Acuña is eligible for public health services and 77% in Piedras Negras.

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Eloy Rivera (Acuña Ecology Program) discussed Ciudad Acuña's diagnostic study on household hazardous waste and scrap tire program.

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Ciudad Acuña had more than 700 dengue cases in 2013. There are over 600,000 scrap tires in the city. The municipio is currently picking up scrap tires and storing them at a site near the landfill. It is estimated that there are over 400,000 tires at the site.

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The goal of the program is to collect more than 259 tons per year. From 2012 to 2015, SEMAC has collected more than 187 tons. This year more than 90 tons were collected. The goal for next year is to collect more than 100 tons of used electronics. SEMAC will be working with Piedras Negras and Green Tec Osos (an environmental organization of the Piedras Negras Technological Institute) to develop environmental awareness campaigns and collection events in that city.

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The city organizes a recycling drive for residents to collect recyclable materials twice a year. There is no cost for residents to bring their recyclables. The city also organizes a tire drive every year. The tires are stored in a trailer and picked up by a company to be disposed in San Antonio.

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She announced the projects that were funded and selected under this year's RFP in the Amistad region. The Secretariat of Environment in Coahuila will be conducting a used electronics program in municipalities along the state and the Green Tec Osos environmental organization will be conducting a used electronics awareness campaign in Eagle Pass and Piedras Negras. Funds for over $709,220 were allocated for 15 projects in the Texas-Coahuila-Nuevo Leon-Tamaulipas area.

Duarte provided a brief overview of the rest of the projects funded for this RFP in the Four-State Regional Workgroup. These projects are related to water quality, energy, waste management and emergency response.

She underscored the importance of creating synergies to enhance binational cooperation to address environmental challenges along the border region.

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Green Tec Osos will conduct an assessment of the life cycle of used electronics to determine their use and adequate disposal methods.

One aspect of the project consists of installing four containers (two for Eagle Pass and two for Piedras Negras) to collect used electronics in both communities.

The Piedras Negras Technological Institute will be collaborating with the Colegio de la Frontera Norte (COLEF) in organizing a used electronics symposium from a health perspective in May. COLEF will be covering travel expenses for panelists and experts to attend this event.

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The goal is to collect more than 50 tons in 18 months. Green Tec Osos will be joining efforts with the Secretariat of Environment in Coahuila to accomplish this task.

Dr. Rincon suggested working with the U.S. Mexico Border Health Commission to assist with speakers for the electronics symposium in May.

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Information on the RFP, progress reports, and upcoming Border 2020 events can be found at the EPA Border 2020 website: http://www.epa.gov/border2020 and TCEQ's website: https://www.tceq.texas.gov/border/borderindex.html

Regional Workgroup
Coahuila-Nuevo León-Tamaulipas-Texas
(Four State Regional Workgroup)

Meeting of the Amistad Task Force

December 8, 2015
1:00 – 4:30 pm

Del Rio Civic Center
1915 Veterans Blvd.
Del Rio, TX 78840

Minutes

Summary of Participants: Officials from EPA Region 6, Border Environment Cooperation Commission (BECC), Secretariat of Environment in Coahuila, City of Del Rio, Municipio de Acuña, Maverick County, Municipio de Piedras Negras, SIMAS (Piedras Negras water utility), Technological Institute of Piedras Negras, and other non-profit environmental organizations.

Dr. Carlos Rincon of the EPA Region 6 El Paso office provided an overview of the structure, goals and objectives of the Border 2020 Program.

Victor Wong discussed the meeting objectives and discussed the 2015-2016 action plan for the Amistad Task Force. Wong mentioned that there are 14 projects in the plan and briefly summarized the new projects that were added to the plan.

Alejandra Carrera (Secretariat of Environment in Coahuila) discussed the status of the restoration of Las Vacas stream in Acuña.

The Secretariat of Environment in Coahuila (SEMAC) was awarded an EPA Border 2020 grant to conduct a diagnostic study on the water quality and ecological conditions of Las Vacas stream, which flows through Ciudad Acuña and is a tributary of the Rio Grande.

SEMAC partnered with the Texas Commission on Environmental Quality (TCEQ), Ciudad Acuña and the Institute of Higher Studies in Acuña to develop different phases of the study.

The first step of the project consisted of conducting diagnostics based on methodological standards. This process entailed dividing each area of the stream into color codes. These colors were useful in evaluating the water quality and ecological conditions of each area. Researchers found that there are sections of the stream that are in good conditions, but the rural areas before the stream flows into Acuña were found to have issues related to illegal dumping, extraction of rock material by rock quarries, and deforestation.

A geographical system was developed on Google Earth to include data on issues found in each of the sections of Las Vacas stream.

SEMAC implemented programs related to water quality monitoring, flora and fauna, reforestation, enforcement and identification of polluted point sources, to conduct assessments on the stream's ecological conditions.

SEMAC, TCEQ and the LBJ School of the UT Austin organized a technical exchange to share information on TCEQ's surface water quality regulations and procedures. The Technological Institute of Higher Studies of Acuña (ITSA) and SEMAC also presented the findings of the study at the Environmental Trade Fair held in Austin in May.

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Message

From: COCEF / BECC [info@cocef.org]
Sent: 3/23/2016 11:42:58 PM
To: Rincon, Carlos [rincon.carlos@epa.gov]
Subject: BECC Bulletin

BORDER ENVIRONMENT COOPERATION COMMISSION
BECC BULLETIN

— LATEST NEWS & EVENTS —

Eagle Pass/Piedras Negras E-Waste Recycling Program Kicks Off

ednesday, February 9th, the Border Environment Cooperation Commission (BECC) announced at the Piedras Negra
lall the launching of a binational electronic waste management
ct for this community in the Mexican state of Coahuila and the
f Eagle Pass, Texas. The project has received $625,000 pesos in
assistance from the U.S.-Mexico Border 2020 Environmental
am. The Piedras Negras Technological Institute (ITPN) signed an
ment to administer the project and received the grant funds to
rt this collaborative effort.

remarks, Eglantina Canales, head of Coahuila's Secretariat of
nvironment (SEMA) emphasized that this project addresses the
em of the failure to collect electrical and electronic equipment
end of their life cycle, and recognized the young students of
reen Tec-Osos group for their current involvement in this
ct, which will lead them in the future to further the environmental leadership that is so desperately needed in all
ent regions of Mexico.

During an interview, BECC Project Manager Jorge Hernandez explained that the project's main objective is to raise awareness and provide environmental educati the community to prevent the inappropriate dumping of electrical and electronic equipment into local streams and vacant lots, a practice that contributes to pollu the waters of the Rio Grande and the Amistad Reservoir. The communities of Eagl Pass and Piedras Negras are implementing a joint effort to provide for the final disposal of these wastes. He said that part of the outcome of the 18-month long project will be the establishment of permanent e-waste collection centers in Piec Negras. This type of collection facilities is already in operation in Eagle Pass.

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t value of e-waste materials and contribute to their sustainable recovery and
ing. The project intends to achieve this goal by implementing an environmental and
education campaign with assistance of the Piedras Negras education sector, through
the Green Tec-Osos Environmental Group and its more than 200 associates, and SEMA
ila. The project expects to collect 50 tons of e-waste in both border cities.

a Velazquez-Castellanos, Piedras Negras Municipal Trustee, on behalf of Mayor Fernando
-Johnston, said the City, through its participation in this project, reaffirms its
itment to environmental care.

Eagle Pass Mayor Ramsey English Cantu noted that this has been a long-standing problem for the two neighboring communities. said the most important thing is that both communities have made everythir possible to address the issue. He said in Eagle Pass, for several years, there been a large number of TV sets and computers that are not properly recycle and have the potential to pollute the soil. He recognized the efforts being m to eliminate this type of pollution.

ITPN Director Oswaldo Padilla thanked all the government agencies that supported and joined this environmental project that has become a reality a result of the hard work that the Green Tec-Osos group has put in during a number of years. He also said that, in addition to e-waste collection, an eve important component of the project is the series of discussions and workshops that will be provided to children a at local schools and subdivisions in both cities.

Manuel Ibarra, founder of the ITPN's Green Tec-Osos group, said the project developed by his organization ished a goal of collecting 50 tons of e-waste in both border cities.

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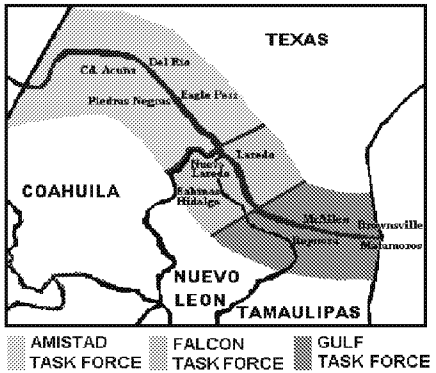
September 2015



The **Four-State Regional Workgroup** is the most complex of the four regional workgroups, because of its geographical extension and the number of municipalities. The region includes parts of three states and a total of at least 29 municipalities on the Mexican side, and 168 cities and towns on the U.S. side. Recognizing this, the workgroup divided itself into three geographically-based Task Forces—Amistad, Falcon, and Gulf, each of which has established subject-specific committees related to its priority concerns.

During the first half of 2015, the three task forces held meetings to discuss initial priorities for the 2015-2016 Action Plan. Several conference calls with leaders were held in June 2015 to develop a consensus of priorities at the task force and regional workgroup levels.

Border 2020 has five goals and the regional work groups propose projects to implement these goals. These projects are tracked in two-year revolving work plans. The 2015-2016 version is the second of its kind. Several projects have been carried over from the 2013-2014 Action Plan. Due to consensus by the Four State Workgroup, a sixth goal for health and education projects was included. Projects are organized by Border 2020 goals and objectives.

Regional Priorities

1. Improve air quality through the following approaches:
    a. Increase energy efficiency at the consumption level and the use of renewable energy at all appropriate levels
    b. Analyze emissions and emission sources in specific air sheds
    c. A study on the possible health effects caused by climate change

2. Improve water quality by taking the following actions:
    a. Evaluate the Rio Grande watershed in the region
    b. Establish enforcement programs to prevent pollution on water bodies on the Mexican side
    c. Improve water infrastructure as it pertains to treatment systems and distribution in rural areas

3. Address problems of improper waste disposal:

4. Assist communities to build capacity for waste streams: by implementing recycling, household hazardous waste and electronic waste collection and disposal programs and develop comprehensive plans for scrap tire disposal and alternative markets

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5. Expand environmental education related to waste issues

6. Enhance Joint Preparedness for Environmental Response
    a. Provide HAZMAT training to local first responders to reduce exposure to chemicals as a result of accidental chemical releases and/or spills in the.
    b. Coordinate emergency preparedness response table top exercise or field exercises.

7. Develop a certified environmental health curriculum to train border community health workers and promotoras on lead, mercury, pesticides, and other heavy metals

Individual Task Force Priorities

Amistad Task Force

1. Generate plans to mitigate the impacts of climate change in Coahuila
2. Establish air quality monitoring stations and exchange data with Texas
3. Develop a database to measure emissions of hydraulic fracturing operations in Coahuila
4. Increased use of alternate and renewable energy sources (such as landfill gas and solar energy)
5. Develop water conservation and reuse programs for irrigation in Coahuila
6. Establish waste management programs in ten municipalities in Coahuila (including used electronics, household hazardous waste management and recycling)
7. Develop and promote scrap tire, recycling and solid waste management programs on the Kickapoo Reservation

Falcon Task Force

1. Conduct a study on the use of methane gas for energy generation in landfills
2. Monitoring of drilling operations in the Eagle Ford Shale and on the Mexican side
3. Finalizing the cross-border contingency plan
4. Generate studies and projects for water reuse and conservation
5. Develop adequate management, alternative markets(such as tire cutters) and ordinances for scrap tires
6. Establish used electronics and household hazardous waste programs in municipalities in the Falcon Task Force
7. Develop a diagnostic study on the generation and alternative markets for construction waste in the Falcon Task Force
8. Develop a workshop on best practices related to public health and environmental education indicators

Gulf Task Force

1. Outreach programs to improve energy efficiency
2. Educate the community on how to improve water quality
3. Improve or develop Industrial Pretreatment, Fats, Oil & Grease Management and Storm Water Programs.
4. Increase environmental awareness and responsibility with regard to solid waste and water related health effects in city residents, rural communities and colonias
5. Healthy Homes training for promotoras along the GTF' US-MX border

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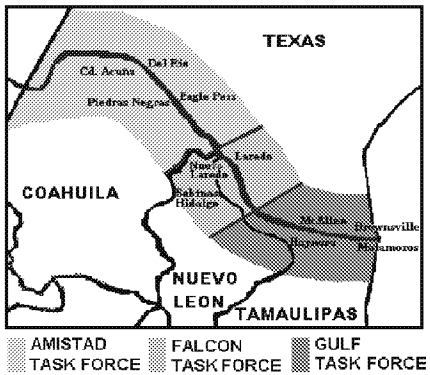
Border 2020

2015-2016 Action Plan Grid
Four-State Regional Workgroup

Legend:

- Activity covers at least two task force areas
- Gulf Task Force
- Falcon Task Force
- Amistad Task Force



GOAL # 1: Reduce Air Pollution

Project N°	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of Funding	Contact(s)	2015-2016 Target	Progress Towards Target
Objective 1: By 2020, reduce the number of vehicles operating in the border region that do not comply with the respective vehicle emissions standards, and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible measures.							
1.1.01	**Characterization of Drayage Activities & Emissions Laredo-Nuevo Laredo Airshed** Develop a detailed characterization of the drayage activity in the Laredo-Nuevo Laredo region and its air quality implications.	Texas A&M Transportation Institute	$89,750 US Dollar	Border 2020	Dr. Reza Farzaneh, TTI, Reza.Farzaneh@tamu.edu (512) 467-0946	Gather activity information on drayage vehicles to estimate their emissions impacts in the Laredo and Nuevo Laredo airshed.	TTI obtained permissions by the EPA, BECC and the Texas A&M IRB to collect GPS data from drayage vehicles operating in the Laredo-Nuevo Laredo region. TTI recruited 20 drayage truck operators and collected GPS data. TTI staff are analyzing the data and determining the emission impact of the trucks.

1.1.02	**Emissions from Long Haul MX Diesel Trucks in Laredo-San Antonio Corridor** Survey diesel truck activity and evaluate typical Mexican diesel truck emissions along Laredo-San Antonio Corridor.	Texas A&M Transportation Institute	$100,000 US Dollar	EPA, TCEQ	Dr. Reza Farzaneh, TTI, Reza.Farzaneh@tamu.edu (512) 467-0946	Collecting and analyzing data. TTI will present findings and report in August.	The project is complete. In August a final report was submitted to TCEQ with findings and is currently under review.
Objective 3: By 2018, maintain effective air monitoring networks and provide real-time access to quality data.							
1.3.01	**Update the Ecological Program Code for the Region Cuenca de Burgos, Tamaulipas**	SEDUMA	$2 Million Pesos MX	SEMARNAT PEF 2015	Dra. Silvia Casas González, SEDUMA, silvia.casas757@gmail.com	Develop a Monitoring and Evaluating System for the most relevant environmental Indicators, considering performance, defining measurements that allow one to track the strategy's effectiveness and the code's defined policies.	The project is in the process of being updated by a hired external consultant that will perform modifications to the current code.
Objective 4: By 2015, support completion of climate action plans in each of the six northern Mexican Border States, and build the necessary capacity to guarantee sustained implementation.							
1.4.01	**Municipal Climate Action Plan of San Fernando, Tamaulipas**	SEDUMA, Gobierno Municipal de San Fernando, Tamaulipas	$ 2.199 Million Pesos MX	SEMARNAT PEF 2015	Dra. Silvia Casas González, SEDUMA, silvia.casas757@gmail.com	Develop a public policy planning instrument for the development of strategies and actions to mitigate greenhouse gas	This project is undergoing administrative procedures to execute the awarded budget. The municipality of San Fernando will oversee the project and has State support for

						emissions. Reduce municipal vulnerability to climate change by enhancing adaptability.	the validation of reference terms and the respective technical annex.
1.4.02	**Tamaulipas State Climate Change Program**	SEDUMA Tamaulipas	$200,000 US Dollar	Banco Interamericano de Desarrollo (BID)	Dra. Silvia Casas González, SEDUMA, silvia.casas757@gmail.com	Update the greenhouse gas emissions inventory and develop the program's climate change adaptation agenda.	An external consultant will develop the project. The update to the inventory has been completed. Currently both the Adaptation Agenda is being developed and the integration of both components. The deadline is November 2015.
Objective 5: By 2020, reduce emissions and associated impacts, through energy efficiency and/or alternative/renewable energy projects.							
1.5.01	**Coahuila Climate Action Plan** Initiate Phase 2 of the State Climate Action Plan (PEAC) for Coahuila: Quantification of the mitigation policies selected in Phase 1.	Coahuila State Government and BECC	$275,000 US Dollar	BECC	Tomás Balarezo, BECC, tbalarezo@cocef.org	Econometric evaluation of the mitigation policies selected in Phase 1.	The project is currently in the Microeconomic and Public Policy Phase for Coahuila State. Meetings have been held with the Technical Working Groups, the Advisory Group, and the Climate Change Committee.
1.5.02	**Air Quality Network in Coahuila** Establish an air quality monitoring network in the areas of Piedras Negras-Nava, Acuña, Sabinas, and Saltillo, Coahuila.	SEMA (Coahuila), Municipalities of Piedras Negras, Acuña, Nava, Sabinas, Saltillo	$12 Million Pesos MX	SEMARNAT	Santiago Barrios, SEMA/Coahuila, santiago.barrios@sema.gob.mx	Have air quality monitoring network in operation for Piedras Negras-Nava Region, Acuña, Sabinas Region and Saltillo Region, Coahuila.	The project has been authorized and is in the revision phase prior to bidding.

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1.5.03	**Tamaulipas Climate Action Plan** Initiate Phase 2 of the State Climate Action Plan (PEAC) for Tamaulipas: Quantification of the mitigation public policies selected in Phase 1.	Tamaulipas State Government and BECC	$300,000 US Dollar	BECC, BID	Tomás Balarezo, BECC, tbalarezo@cocef.org	Selection of a number of prioritized mitigation public policies for climate change.	A Comité Intersecretarial ante el Cambio Climático (CICC) has been established, as well as Integrated Technical Working Groups (TWG) and the Advisory Group (AG). A consultant has been hired. They are working on the agenda, updating the emissions inventory, and the integration of both components.
1.5.04	**Atmospheric Monitoring System** Strengthen Tamaulipas' atmospheric monitoring system.	SEDUMA Tamaulipas	Annually: $ 250,000 Pesos MX ($150,000 Municipal & $100,000 State)	SEDUMA, City Council of Matamoros	Biol. Jorge Garcia, jgarciah@tamaulipas.gob.mx 834 1078291	By 2014, the system will operate at 100% with programmatic consistency standards.	Currently four of the eight municipalities have their air monitoring network in operation (01 Nuevo Laredo, 02 in Victoria, 01 in Madero and 01 Tampico). The operation site for the four monitors located in Matamoros for the last trimester of 2015 is being managed.
1.5.05	**Green Infrastructure Workshop**	SEMA, COCEF		SEMA, COCEF	Tomás Balarezo, COCEF, tbalarezo@cocef.org	Train municipalities on Green infrastructure.	Two workshops were held. One on April 21, 2015 in which 5 municipalities from the Southeast region attended and a second workshop on May 27, 2015 that was attended by 10 municipalities from the Central and Desert regions. The state workshop will occur in the final trimester of 2015.

Goal # 2: Improve Access to Clean and Safe Water

Project N°	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Contact(s)	2015-2016 Target	Progress Towards Target
Objective 2: Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.							
2.2.01	**Upgrade Sewer Line Infrastructure Nuevo Laredo** Install new or upgrade selected existing sewer lines and connect them to Nuevo Laredo's wastewater treatment plant to prevent contaminated discharges through the stormwater system to the Rio Grande.	COMAPA and Municipio de Nuevo Laredo	$5 Million US Dollar	NADB	Delfino González C.P., COMAPA, dgcdelfino@comapanuevolaredo.gob.mx	Complete the project by January 2015.	The BECC certified the project in September of 2012. Of the five sewer lines one was completed during the first half of 2014. The remaining four lines are under repair and discharge approximately 1.6 MGD to the fluvial water system. Another discharge point was identified by COMAPA in the Arroyo La Joya and will be repaired.
2.2.02	**Management of Fats, Oils, and Grease Nuevo Laredo** Reduce the concentration of fats, oils, and grease in the effluent water coming from restaurants and hotels and industrial dining facilities in Nuevo Laredo.	Comisión Municipal de Agua Potable y Alcantarillado, Nuevo León.	$32,533 US Dollar	Border 2020	Ing. Juan Carlos Pérez, COMAPA Nuevo Laredo, jcarlos_faz@hotmail.com 01152867 717-24-44	Hold workshops and follow-up with commercial establishments on implementation of FOG programs	COMAPA organized workshops with the support of students from the Technical University to educate commercial establishments and residents on best practices. The last workshop was held in August of 2015 that included a tour of the International Waste Water Treatment Plant. All the establishments that participated in the workshops have grease traps and are applying control and operating techniques. COMAPA is drafting the final project report.

2.2.03	**Ideal Biological Filtration Material South Texas Storm Management** Identify the best locally available material for use in bio-swale in the Lower Rio Grande Valley & South TX.	University of Texas Pan American	$26,022 US Dollar	Border 2020		The proto-type bioswale will be tested in a newly constructed parking lot on the campus of UT Pan American.	The recycled ground recycled glass of medium porosity demonstrated good hydrologic performance in the biological filtration process.
Objective 3: Work binationally to identify and reduce surface water contamination in transboundary waterbodies or watersheds.							
2.3.01	**Removal of Invasive Plants** Implement a program to remove invasive plants in the Rio Grande.	SEMA Coahuila, CONANP, PROFAUNA, WWF, Slim Foundation	$1.5 Million Pesos MX Annually	SEMA (Coahuila), CONANP, Profauna WWF, Slim Foundation	Alejandra Carrera, SEMA Coahuila, alejandra.carrera@sema.gob.mx 01152844 410-0014	Plant Control: 2014: Tamarix 34 ha & Carrizo 40 ha; 2015 Tamarix 34 ha and Carrizo 40 ha; 2016: Tamarix 34 ha and Carrizo 40 ha.	Since 2014 PROFAUNA and CONANP with the support of WWF and the Slim Foundation have annually protected 34 hectares from the Tamix plant and 40 hectares from Carrizo. To date they have continue to protect the same quantity of land and it is anticipated that they will maintain this amount in 2016.
2.3.02	**Conservation of Las Vacas Stream** Design and implement actions to improve water quality and promote an adequate habitat for flora and fauna species in the Arroyo Las Vacas.	Ciudad Acuna Department of Environment, SEMA Coahuila	$44,200 US Dollar	Border 2020	Lic. Alejandra Carrera, Secretaria de Medio Ambiente de Coahuila, alejandra.carrera@sema.gob.mx 01152844 410-0014	Implement actions to improve water quality and promote an adequate habitat for flora and fauna species in Las Vacas stream.	Progress has been made regarding the Arroyo Las Vacas diagnostic, water quality monitoring, and identification and detection of disputes through a ITSA-UT Austin Knowledge Exchange. A presentation of the project was presented at the Environmental Trade Fair in May 2015. In October, a training is scheduled regarding bi-national water quality, data comparison, and water sampling.

2.3.03	**Lower Rio Grande Binational Water Quality Initiative (LRGWQI)** Implement a binational Lower Rio Grande Water Quality Initiative (from Falcon to the Gulf) that characterizes the state of the river, develops a strategic plan to improve environmental conditions, and proposes a monitoring plan to document progress.	TCEQ, EPA, IBWC, CILA, CONAGUA, and federal, state, and local government agencies		TCEQ, EPA, IBWC, and federal, state, and local government agencies	Kelly Holligan ,TCEQ, 512-239-2369, Kelly.holligan@tceq.texas.gov	Implement actions to improve water quality and promote an adequate habitat for flora and fauna in the Arroyo Las Vacas.	In March the LRGWQI's Binational Technical Work Group conducted the first of four binational synoptic water quality surveys scheduled for the project. They also developed a preliminary input file for a steady-state water quality model of the Rio Grande/Río Bravo (Falcon Dam to Gulf of Mexico).

Goal # 3: Promote Materials Management, Waste Management, and Clean Sites

Project N°	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact(s)	2015-2016 Target	Progress Towards Target
Objective 1: By 2020, increase local and state-level knowledge and experience in the area of sustainable material management practices.							
3.1.01	**Environmental Education Program Nuevo Laredo** Establish an environmental organization to develop environmental awareness and clean-up programs in Nuevo Laredo in affiliation with Keep America Beautiful.	Keep Laredo Beautiful, Keep America Beautiful, and the Municipality of Nuevo Laredo		City of Laredo Environmental Services local partners, and Keep America Beautiful	Lynne Nava, Keep Laredo Beautiful, lnava1@ci.laredo.tx.us 956-794-1650	Establish an environmental organization affiliated with Keep America Beautiful by 2016.	Keep Laredo Beautiful will be meeting with officials of the Technological University of Nuevo Laredo in August to discuss the project and inquire about their interest in establishing an environmental organization through Keep America Beautiful. Keep Laredo Beautiful has committed to pay membership fees for one year for the organization to be affiliated with Keep America Beautiful.
3.1.02	**Characterization Municipal Solid Waste Stream & Diagnosis Regarding**	SDS Nuevo León and Municipio of Sabinas Hidalgo, Nuevo León	$47,000 US Dollar	Border 2020, BECC	Dr. Alfonso Martinez Muñoz, SDS, Nuevo León, alfonso.martinezm@nuev	Analyze the generation of solid and "special	Project completed. The study was finalized in June 2015. More details of the study will be

	Generation/Management of Waste Study and characterize the municipal solid waste stream in Sabinas Hidalgo, Nuevo León. Analyze the generation of solid and "special management" of waste in six border municipalities in Nuevo León.				oleon.gob.mx Alfonso.martinez@nuevoleon.gob.mx 01152-81-2033-2100	management" of six border municipalities and characterize the solid waste stream in Sabinas. Complete the study in 2015.	provided at a later date.
3.1.03	**Operation of an Electronic and Household Hazardous Waste Stockpile Center**	Municipality of Nuevo Laredo, Tamaulipas	$3.626 Million Pesos MX	Municipality of Nuevo Laredo, Tamaulipas	Arq. Carlos de Anda Secretario de Obras Públicas, Desarrollo Urbano y Medio Ambiente, cdeandah@hotmail.com	Develop a municipal infrastructure for stockpiling, managing, and disposing of electronic and hazardous waste.	The installations are finished. Only authorization from SEMARNAT is needed for operation, which is underway. It is possible for operations to commence in the last trimester of the year.
3.1.04	**Environmental Code for the Disposal of Construction Waste**	Municipality of Nuevo Laredo, Tamaulipas	The project is funded through money paid by residents for the management and processing of waste.	Municipality of Nuevo Laredo, Tamaulipas	Arq. Carlos de Anda Secretariat of Public Works, Urban Development & the Environment, cdeandah@hotmail.com	Generate an alternative for the community for the disposal of construction waste and mitigate clandestine dumping.	This project has operated continually and generated an important impact to the community. 123 pesos per cubic meter are paid when the waste is no greater than 2 cubic meters. If it is three to ten cubic meters the service cost 88 pesos. If it exceeds 10 cubic meters, in order to leave the program, 100 pesos are charged per cubic meter.
3.1.05	**Clean-up Campaign Keep Pharr Beautiful** Support monthly cleanup program Keep Pharr Beautiful with strong public outreach.	Public Works Department, City of Pharr	$20,000 US Dollar	Border 2020	Grace Gonzalez, Pharr Public Works Department, grace.gonzales@pharr-tx.gov	Reduce illegal dumping in residential and industrial sectors and encourage residents to take	The project has ended and the majority of their objectives were attained. Various public awareness events monthly clean-ups were organized. A workshop was organized for the

						responsibility for the beatification of their communities.	community about the reduction of clandestine dumping. The City plans to continue clean-up campaigns and environmental education activities.
3.1.06	**Alamo's Recycling TEAM Includes Everyone** Implement the Alamo's Recycling TEAM Includes Everyone (ARTIE) Project, which strives to enhance the management of solid waste in the city.	City of Alamo	$54,838 US Dollar	Border 2020	Melissa Gonzales, City of Alamo	Increase recycling efforts by at least 25%, increase awareness of non-point pollution and solutions and establish partnerships that will promote environmental stewardship.	Various presentations were organized in 12 different locations in different schools that reached 700 students. Bilingual signs about not littering were posted.
3.1.07	**Clean-up of Urban Solid Waste Disposal Site in Guerrero Tamaulipas**	SEDUMA, Municipio de Guerrero, Tamaulipas	$3.169 Millones Pesos MX	SEMARNAT PEF 2015	Dra. Silvia Casas González, SEDUMA, silvia.casas757@gmail.com	Legalize and encourage compliance to NOM-083-SEMARNAT-2003, referring to the closing of disposal sites.	Project was certified by SEMARNAT and the documentation regarding adjudication of resources is in progress.
3.1.08	**Construction and Equipping of the First Phase of Type A Landfill in Río Bravo, Tamaulipas**	SEDUMA, Municipio de Río Bravo, Tamaulipas	$19.359 Millones Pesos MX	SEMARNAT PEF 2015	Dra. Silvia Casas González, SEDUMA, silvia.casas757@gmail.com	Have adequate modern infrastructure for the final disposal of urban solid waste.	Project was certified by SEMARNAT and the documentation regarding adjudication of resources is in progress.

3.1.09	**Construction and Equipping of Type A Landfill in the Coal Deposit Region**	SEMA, SEMARNAT, Municipalities of Múzquiz y Sabinas	$25 Millones Pesos MX	SEMARNAT PEF 2015	Oscar Flores, SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	Conduct land studies. Under analysis before request for bids.
3.1.10	**Construction and Equipping of Inter-municipal Landfill in the Municipalities of Juarez and Progreso, Coahuila**	SEMA, Municipality of Juárez y Progreso	$8 Millones Pesos MX	PEMEX Hydrocarbon Fund	Oscar Flores, SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	Under analysis before request for bids.
3.1.11	**Construction and Equipping of Urban Solid Waste Residual Stations in the Municipality of Múzquiz, Coahuila**	SEMA, Municipio de Múzquiz	$8 Millones Pesos MX	PEMEX Hydrocarbon Fund	Oscar Flores, SEMA, Oscar.flores@sema.gob.mx	Construction and operation.	Under analysis before request for bids.
3.1.12	**RECOLECTRÓN Program** Recollection program for electronic waste within the municipalities.	SEMA, Municipalities Acuña, Allende, Nava y Sabinas	$2 Million Pesos MX	SEMA	Griselda Salas Alemán, SEMA, griselda.salas@sema.gob.mx	In 2015 collect 44.91 tons of waste. In 2016 collect 56.14 tons of waste.	To date 44.89 tons of waste has been collected.
3.1.13	**Responsible Disposal of Tires** Operation of a scrap tire disposal center. Utilizing three cuts volume and the accumulation of water which are breeding grounds for mosquitos (vectors for dengue fever) are reduced.	Municipality of Acuña, Coahuila	$12,000 US Dollar	Municipio de Acuña Coahuila	Biol. Carlos Alejandro Flores Diego, Director of Ecology, floresdiegocarlos@yahoo.com.mx	Develop a municipal infrastructure for stockpiling, managing, and disposing of scrap tires.	There is a regulatory framework that regulates management and a program underway for stockpiling, but an infrastructure is required for final disposal.
3.1.14	**Disposal of Electronic and Hazardous**	Municipality of Acuña, Coahuila	$12,500 US Dollar	Municipality of Acuña	Biol. Carlos Alejandro Flores Diego, Director de Ecología,	Develop a municipal	The regulatory framework was approved as well as an alteration

	Waste Create a stockpile center for the special management of waste, in which			Coahuila.	floresdiegocarlos@yahoo.com.mx	infrastructure for stockpiling, managing, and disposing of electronic and hazardous waste.	to municipal regulations regarding the environment to approve an operating license for 6 months and certification of training workshops. Partnership with CECART#197 for certification.
3.1.15	**Scrap-Tire Management Program** Design and implement a state scrap-tire management program that includes valuation.	SEDUMA Tamaulipas	$ 400 Million Pesos MX	SEDUMA, SEMARNA, EPA	Biol. Jorge García, jgarciah@tamaulipas.gob.mx 834 1078291	Work with cities located on the northern border of the State to regulate a temporary stockpile system for used tires.	The State authorized the business, ECONEU of Reynosa, to operate the Recycle Plant and Scrap Tire Processor, of which they anticipate to break down 100,000 scrap tires annually.

Goal #4: Enhance Joint Preparedness for Environmental Response

Project N°	Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact(s)	2015-2016 Target	Progress Towards Target
Objective 2: By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building.							
4.2.01	**Update Cross-Border Contingency Plan** Develop a cross-border contingency plan for the Solidarity Bridge, involving first responders from Colombia (Nuevo León), Nuevo Laredo (Tamaulipas), and Laredo (Texas), recognizing that Colombia, upstream from the other two cities, is much smaller and yet shipments of hazardous materials in the area are currently directed to this bridge.	Laredo Fire Department, Civil Protection of Nuevo Laredo, and CILA, CODEFRONT, and the City of Laredo		EPA, COCEF, PROFEPA, and Protección Civil	Steve Landin, Laredo Fire Department, slandin@ci.laredo.tx.us 956-795-2150 Juan Ochoa, Protección Civil Nuevo Laredo, Juan.u8a@hotmail.com 01152867 712-46-35	Hold new meetings of the staff of the two cities in order to revisit the language of the draft revision and possibly develop alternative language and include Colombia in the plan.	The project is on hold because city council has not approved changes to language of the draft revision, intending to clarify that Laredo could not send personnel to respond to incidents across the border, but could assist in other ways.

4.2.02	**Hazardous Materials First Responders Binational Training in McAllen-Mission-Pharr, TX and Reynosa, Tamaulipas**	City of McAllen Fire department	$75,000 US Dollar	Border 2020	Juan A Gloria Jr, Deputy Chief McAllen, jgloria@mcallen.net 956 681-2540	Hold a System and Incident Command Training with firemen from McAllen, Mission, Pharr, and Reynosa.	The Fire Department in McAllen will coordinate and hold the workshop at the end of August.

Promote Cross-Cutting Efforts Related to Environmental Health & Environmental Education

Project N°	Project Title Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact(s)	2015-2016 Target	Progress Towards Target
Projects potentially related to some combination of air quality, water quality, water conservation, or waste management							
6.0.01	**Urban Forest Piedras Negras**	SEMA, Municipio de Piedras Negras, SEMARNAT	$ 15 Million Pesos MX	SEMARNAT	Alejandra Carrera, SEMA Coahuila, alejandra.carrera@sema.gob.mx	Construct an urban forest in the city of Piedras Negras the size of 15 hectares.	Ninety-four percent of the project is complete.
6.0.02	**Strengthening School Networks and Global Climate Change Surveillance "Casa de Tierra"**	SEDUMA, Gobierno Municipal de Reynosa.	$ 66 Million Pesos MX	Gobierno del Estado de Tamaulipas, SEMARNAT	Dra. Silvia Casas González, SEDUMA, silvia.casas757@gmail.com	Build, equip, and operate 3 "Casa de Tierra" to attend to the population in the northern, central, and southern areas of the State. 160 visitors annually.	CDT Victoria operating since December of 2013. CDT Reynosa operating since January 2015. CDT Madero in the final phase of construction.
6.0.03	**Extension of Environmental Management Systems Program** Extend Tamaulipas' state program in promoting environmental management	SEDUMA Tamaulipas	$ 300,000 Pesos MX	SEDUMA, Empresas IP, Participants	Dra. Silvia Casas, SEDUMA, silvia.casas757@gmail.com	Reach out to 100% of the border cities.	SIMA enrolled more than 90 schools in Matamoros, Tampico, and Victoria. Each school held workshops on water, waste, and energy efficiency, reaching a

	systems (SIMA) to more schools and government offices.						total of 26,000 students. Schools received equipment. SIMA trained 1,800 state employees in water conservation, energy efficiency, and recycling. State offices received water filters and energy-efficient light bulbs.
6.0.04	**Planning of Health & Environmental Information Model Along TX-MX Border** The development of a conceptual framework for a bi-national environmental and health information repository.	El Colegio de la Frontera del Norte	$39,875 US Dollar	Border 2020	Dr. Felipe Uribe, COLEF, ursafeja@gmail.com 878 782 7207	Identify required tools and capacities, compare existing systems, identify and recommend training or educational needs, and develop an indicator system to measure environmental health.	A theoretical framework in order to identify information on health and the environment was developed. Different key contacts were interviewed. Information was obtained about health and environmental indicators through the elaboration of Memorandums of Understanding between academic institutions involved in the project and the respective Secretariats of Health and the Environment from Coahuila State.
6.0.05	**Promotora-Led Environmental Health Education for Children** Support the development of an integrated approach for educating families on the dangers of exposure to mercury, lead, and pesticides, especially the effects on respiratory health, specifically asthma. These modules will be used to provide training to heath promotoras, who subsequently will provide educational information in elementary schools, child care settings and to colonia residents.	La Amistad AHEC and Southwest Border AHEC	$69,083 US Dollar	Border 2020	Rosa Elvira Martinez, Southwest Area Border Health Education Center, rose.martinez@swbahec.org (830) 758-1111	Conduct training and provide educational information on pesticide awareness to elementary schools and homes in colonias.	As of July, promotoras had conducted visits to two elementary schools and one head start to educate children on hazards related to pesticide exposure and household chemicals. Promotoras also conducted training on pesticide awareness in more than 30 homes and post-assessments in seven homes, with 23 of them expected to be evaluated in the fall of 2015.

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EPA Region 6: US-MX Border 2020 Program Newsletter Vol.2 (July 2016 – October 2016)

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Office of Environmental Justice, Tribal and International Affairs
EPA Region 6
El Paso Border Office

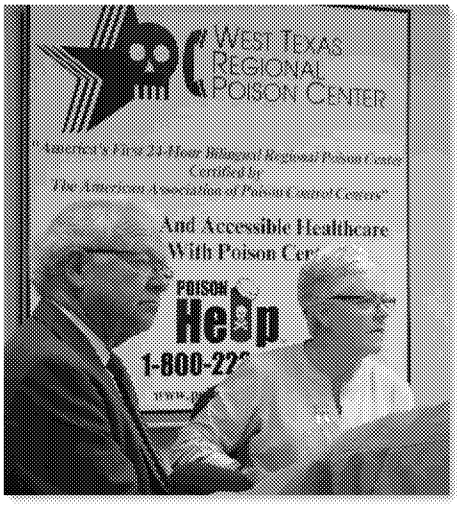
OEJTIA Director: Arturo Blanco

Border Office Director: Carlos A. Rincon

Border Program Staff: Maria Vasquez; Debra Tellez;Maria Sisneros

EPA Administrator visits the Border

In July 2016, EPA Administrator Gina McCarthy visited the border to learn more about the environmental health issues that residents who live in border colonias and rural communities in West Texas and Southern New Mexico still face. Through her meetings with local stakeholders she also conveyed EPA's role in public health. During her visit to El Paso, Texas, Administrator McCarthy was able to meet with pediatricians from the Southwest Center for Pediatric Environmental Health (SWCPEH), staff at the West Texas Regional Poison Center, and students enrolled in public health at the University of Texas Houston School of Public Health and Texas Tech University, as well as, University of Texas at El Paso – EPA summer interns. During the meeting, attendees discussed regional concerns, like poor air quality and its effect on respiratory health, and how food swamps — areas inundated with junk food — propagate diabetes and obesity. "A lot of people don't know it, but the EPA is fundamental for public health," McCarthy said. "It's about bringing safe drinking water; it's about clean air; it's about what products you use and what kind of exposures to toxic chemicals you may face."



EPA Administrator Gina McCarthy (right) and Region 6 Administrator Ron Curry (left), met with staff from the SWCPEH and toured its facilities.

EPA Administrator Gina McCarthy addresses pediatricians and medical students in El Paso, Texas.

Administrator McCarthy is also looking towards building stronger relationships with medical institutions to help solve the environmental health problems faced by communities. By utilizing the SWCPEH, jointly funded by EPA and CDC, EPA is able to work more closely with the medical community and utilize their expertise for outreach and trainings. "Medical professionals really have an important part to play in all of this," she reminded her audience. "They can tell us what they're seeing in terms of health impacts. They can help communicate to individuals about what to do to reduce those environmental exposures."

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EPA Administrator visits the Border Cont'd

As part of her visit, Administrator McCarthy toured several sites in Chaparral and Vado, New Mexico. These communities and many other similar border communities, often have sub-standard housing, unpaved roads, illegal dumping, standing water, and minimal infrastructure to support basic services such as electricity and clean water. During one of the site visits, Doña Ana County District 1 Commissioner, Billy G. Garret, stressed that Southern New Mexico communities face a serious issue of illegal dumping that poses a threat to public health.

Overall, Administrator McCarthy's visit reiterated EPA's support of border communities and willingness to work with community stakeholders to improve the public health of its residents. Through the EPA Border Program, several grants in the past have been designated towards clean-up of illegally dumped scrap tires, environmental education public outreach campaigns and to help implement scrap tire management plans. More information: Paula Selzer (selzer.paula@epa.gov) or Maria Sisneros (Sisneros.maria@epa.gov)

Healthy Homes Trainings

Through funding from EPA Region 6's Lead Based Paint Program and support from the Children's Health and US-Mexico Border Programs, three border communities were able to receive Healthy Homes Training in 2016. The trainings, which were provided by a small grant to the University of Texas School of Health Science Center in Houston, took place in June (El Paso, Texas) and August (McAllen and Harlingen, Texas). Approximately 103 persons received the training in these communities. Unlike the El Paso and McAllen trainings which focused on the initial "Healthy Homes Training" Curriculum, people who attended the Harlingen training received training on "How to start a Healthy Homes Initiative in your Community". The training covered materials that empowers stakeholders who have already taken the initial Healthy Homes training with tools that they can use to launch a healthy homes program within their community.

In addition to the trainings provided by EPA Region 6, the SWCPEH became certified to teach Healthy Homes in 2016. Having access to this new partner will give EPA Region 6 the opportunity to continue training around the Region at no cost to local communities. Having the ability to certify trainers and educate about environmental asthma triggers, lead based paint, household chemicals and pesticides, the training also serves as an incentive for communities to partner with EPA to develop sustained relationships on children's environmental health protection. More information: Paula Selzer (selzer.paula@epa.gov) or Maria Sisneros (Sisneros.maria@epa.gov)

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Children's Environmental Health Excellence Awards

On October 13, 2016, the Environmental Protection Agency, Office of Children Health Protection (OCHP) recognized the 2016 Children's Environmental Health Excellence Awardees at the Children's Environmental Health Network's inaugural Children's Environmental Health Day Event in Washington, D.C. The awardees were recognized for their significant impact to increase the number of health professionals who can address children's environmental health concerns. Maria Sisneros, from the El Paso Border Office, had the privilege of attending the event. One of the award recipients was Dr. Genny Carillo, a long-time EPA Region 6 Partner to the Children's Health and Border Program Offices and U.S. co-facilitator of Gulf Task Force Environmental Education and Health Committee.

Dr. Ruth Etzel (EPA Director of OCHP) presents Dr. Genny Carillo (Texas A&M) with the Children's Environmental Health Excellence Award in Washington, D.C.

Dr. Carillo, who works at Texas A&M Health Science Center, School of Public Health was recognized for her work on asthma along the US-Mexico Border. In particular, Dr. Carrillo found that there was a high hospitalization rate in South Texas due to asthma. Determined to use her background in environmental health to help, she forged relationships with health professionals and organizations in the community, that later formalized into the McAllen Asthma Coalition. This group focused their efforts on creating awareness of asthma in local communities. Dr. Carrillo also developed an asthma program that provides education to both, children diagnosed with asthma, and their families. A major component of this program is a curriculum developed by Dr. Carrillo that is certified by the Texas Department of State Health Services and offers continuing education credits. The goal of this component is to provide training to health professionals such as community health workers, respiratory therapy students, school nurses and physician assistants. These individuals use the knowledge gained to provide asthma education to children and their families and also provide training to peers and colleagues via a "train-the-trainer" model.

For more information on this event and awardees please visit: EPA's Office of Children's Health Protection. Or contact: Maria Sisneros (Sisneros.maria@epa.gov)

Children's Health Symposium – Brownsville, Texas

In 2015, the Office of Children's Health and the US-MX Border 2020 Program partnered to bring a greater focus to children's health issues along the US-MX Border. In September 2015, Region 6 partnered with PEHSU to host the first Children's Health symposium in El Paso, Texas. Due to the success of the event, on August 25, in Brownsville, Texas, the second children's health symposium in Region 6 took place. The event brought together new partners to the table, including the White House Initiative "Strong Cities, Strong Communities", the University of Texas Rio Grande Valley (UTRGV),

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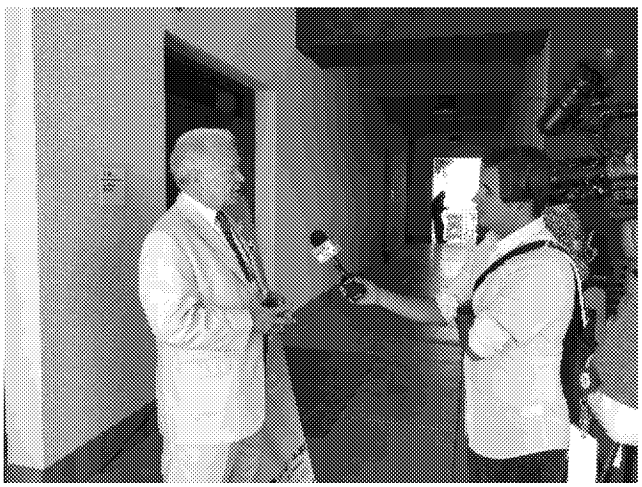
Children's Health Symposium – Brownsville, Texas Cont'd

who hosted the event at their Brownsville campus. Like the first symposium topics included: Asthma & Air pollution, diabetes/obesity, vector-borne illnesses, fracking, tobacco and e-cigarettes, prenatal exposures, leukemia in the environment. Unlike the first symposium, the second symposium brought both US and MX speakers to speak about each of the topics, in order that participants could hear both countries perspectives and actions being done. Opening remarks were provided by Regional Administrator, Ron Curry, UTRGV School of Medicine Associate Dean, Dr. Leonel Vela, as well as, City of Brownsville Director of Public Health, Arturo Rodriguez, who attended on behalf of Mayor Tony Martinez. Regional Administrator, Ron Curry, said protecting children's health is one of EPA's most important priorities, "a goal that factors into nearly all our decisions."

A plenary session focused on ZIKA gave participants the latest developments of the disease from Dr. Gredia Huerta, a member of EPA's Children's Health Protection Advisory Committee and from Puerto Rico, an area that has seen some of the most activity with regards to ZIKA. There was also a session focused on Promotoras and an EPA-White House Session focused on "Collaborative Partnerships". Rafael Casanova, from EPA's Superfund Program, also delivered a presentation on the Superfund site of Donna Canal.

Dr. Leonel Vela, UTRGV School of Medicine senior associate dean for Education and Academic Affairs, welcomed participants, to the Children's Environmental Health Symposium on Aug. 26, at the UTRGV Brownsville Campus. (Photo copyright: UTRGV)

Overall, the event was attended by 130-140 participants, coming from El Paso, Laredo with the majority being from LRGV. Participants included community health workers, local, federal and state agency, and academics. The symposium also supports the EPA Border Collaborative Agreement with the US-MX Border Commission. Other partners included in the planning process included: Southwest Center for Pediatric Environmental Health, City of Brownsville, UTRGV, Texas Tech University, US/Mexico Border Health Commission, Border Environment Cooperation Commission, Department of Health and Human Services, Texas Dept. of State Health Services Office of Border Health. More information: Paula Selzer (selzer.paula@epa.gov) or Maria Sisneros Sisneros.maria@epa.gov)



Ron Curry, Region 6 Administrator (left), being interviewed by local television station said protecting children's health is one of EPA's most important priorities, "a goal that factors into nearly all our decisions."

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Rio Grande / Rio Bravo Extreme Heat and Health Binational Workshop

On July 13, 2016, the Rio Grande / Rio Bravo Extreme Heat and Health binational workshop, took place in El Paso, Texas. The workshop brought together varying sector agencies from across the US, Mexico and Canada, with the goal of working towards developing an International Integrated Heat Health Information System. The vision of the system is such that agencies or different stakeholders can integrate and disseminate information to best deal with public health in regards to heat-illnesses and prevention of heat related deaths.

Dr. Carlos Rincon, who served on the workshop steering committee, and two EPA Border office summer interns, helped workshop sponsors by contacting Mexico National Senior Officials from the ministry of Health, along with gathering participation of local emergency responders, and water utilities staff.

Speakers included staff National Oceanic and Atmospheric Administration (NOAA), Office of Resilience and Sustainability in El Paso, New Mexico Department of Health, UTEP, Arizona State University, El Paso National Weather Service and Proteccion Civil in Juárez , presented on how their agency or offices currently monitor and/or deal with heat related public health information.

The morning session presentations provided the audience with a glimpse at how different agencies monitor weather, deal with heat related emergencies, agencies which offer help to those who are in need of relief from extreme heat, and other city-wide solutions in areas prone to high heat indexes. One talk focused on the current pilot programs that are implemented in Arizona, such as, a "cold-button" located at bus stops, in which, a button when pressed will release a fast cold gust of air from above to try to cool of pedestrians as they wait for their bus. Other talks focused on how their agency provides resources for people from lower socio-economic programs, for instance, delivering cooling fans to those who cannot afford one.

Participants from the US, Canada and Mexico gather at the Tech H20 in El Paso, Texas to discuss an International Integrated Heat Health Information System.

The afternoon session had workshop participants break out into five work teams: 1) Historical Climatology and vulnerability; 2) Linkages between heat parameters and health outcomes; 3) Prediction, outlooks, early warning; 4) Communications and engagement; 5) Capacity building and training. The break-out sessions helped identify needs or gaps, as well as, strengths and opportunities that currently exist for the specific topic. Breakout groups discussed key strategies or solutions for the gaps and finding the parties that would be principal leaders or partners to help formulate an action. In addition, participants discussed finding resources, identifying key steps, volunteers and committee leaders who lead these efforts and help achieve these actions. This effort will continue until June 2017. More information: Carlos Rincon (Rincon.carlos@epa.gov)

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Joint Advisory Committee (JAC) Meeting

On September 22, 2016 the Joint Advisory Committee (JAC) for Air Quality Improvement on the El Paso, TX, Doña Ana County, NM and Ciudad Juárez , Chihuahua shared air-basin, held its 67th meeting at the Burrell College of Osteopathic Medicine facilities in Las Cruces, New Mexico. US Co-chair,Mark Hansen, of EPA R6 Multi-Media Division, and MX Co-Chair, Ana Patricia Martinez, Director General for the office of Air Quality Management and Registry of Emissions and Transfer of Contaminants within Mexico's Ministry of Environment and Natural Resources Secretariat (SEMARNAT), gave welcoming remarks, and an overview of the meeting agenda.

The meeting consisted of four presentations:

- Dr Carlos Rincon presented the air quality report of the binational air-basin for the months of January thru April 2016;
- Dr. David DuBois, the New Mexico Climatologist and professor at NMSU, gave a report on the conceptual plan for the 2017 El Paso Ozone Transport ;
- Cesar Rene Diaz, Director of Juárez 's Ecology Department, reported on Ciudad Juárez 's Air Quality Monitoring Network;
- Alfredo Ruiz, The State of Chihuahua Secretariat for Urban Development and Ecology presented the State of Chihuahua PROAIRE (comparably to a State Implementation Plan in the U.S.)

The JAC has been recognized as a model for binational collaboration amongst the three levels of government, academia, private sector and non-governmental organizations. The U.S.-Mexico border area, and specifically the Tri-State region (El Paso, Texas, Doña Ana County, NM, and Ciudad Juárez, Chihuahua) has benefited from the partnerships working to improve the air shed under the Clean Air Act and the 1983 La Paz Agreement through synergy and cooperation from the diverse stakeholder group.

At the JAC's 67th meeting an innovative interpretation technology for those in the room and for people that joined remotely via phone or video was used. The technology allowed remote participants to have simultaneously interpretation just as if they were physically present at the meeting. Participants with questions or comments, either called an English - language or Spanish-language channel and when they spoke it was seamlessly interpreted into Spanish or English for people in the room. Simultaneous interpretation is a vital part of the meeting, since government officials participate from Washinton D.C., Dallas, Austin, Chihuahua City, Mexico City, and other places. This creative tool allows also for program presenters that have conflict for physically attending the meeting, to do so from their office. More information: Carlos Rincon (Rincon.carlos@epa.gov)

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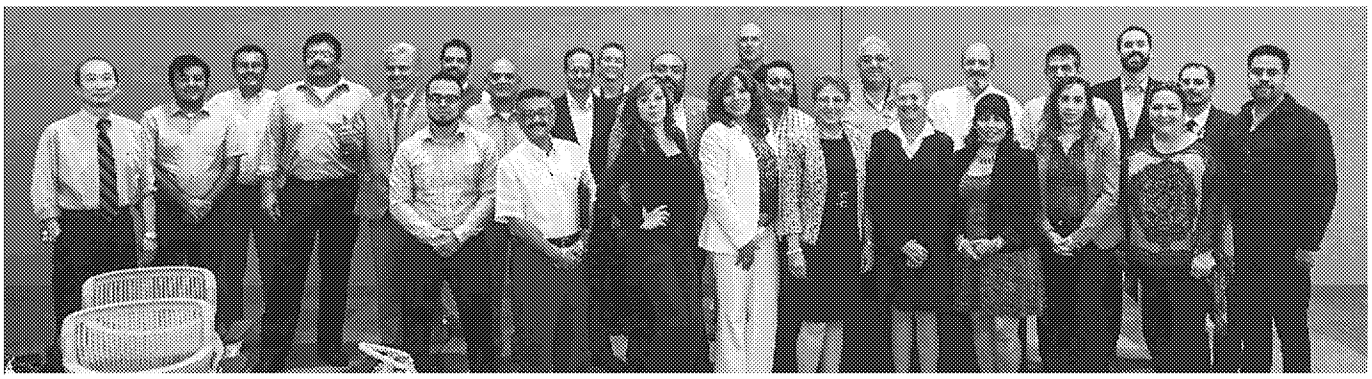
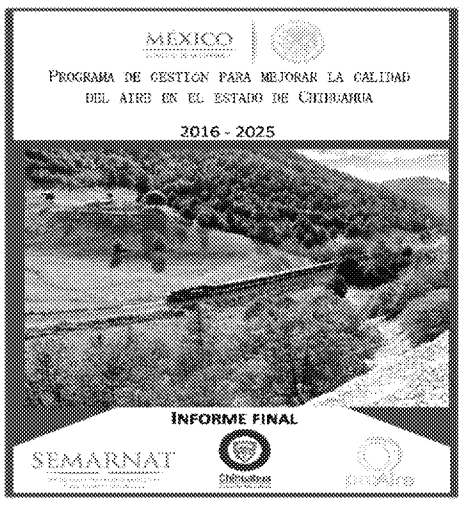


Attendees at the 67th meeting of the Joint Advisory Committee (JAC) in El Paso, Texas on September 22, 2016.

Over the past year the Ecology Department of Ciudad Juárez, the SEMARNAT, the TCEQ, the EPA, and many others have collaborated on enhancing air quality monitoring in the binational airshed. The group held a half dozen binational planning calls with simultaneous interpretation and up to 20 participants from both sides of the border. In August management and technical staff from Ciudad Juárez visited TCEQ headquarters in Austin, and later that month, an air quality subcontractor performed an extensive on-site audit of the three continuouos air monitors in Ciudad Juárez.
Based on the recommendations from the project report, Ciudad Juárez' Director of Ecology reported the results of the audit and the long-term status of the network. The group will continue to work together to improve air monitoring for reliable data collection ultimately leading to improved decision making in the politically and geographically complicated airshed.

Programa de Gestión de Calidad de Aire (ProAire)



On September 6, the Programa de Gestión de Calidad de Aire (ProAire) for the State of Chihuahua was presented to the Governor of Chihuahua, and on September 16 to members of the Joint Advisory Committee. It is the first state-wide ProAire that has been developed for the Mexican states along the U.S.-Mexico Border. The ProAire is the equivalent to the USEPA Clean Air Act's State Implementation Plan (SIP). The two previous ProAire programs in the state of Chihuahua were only designed to include data from Ciudad Juárez . Ciudad Juárez and Chihuahua's Ecology Department, with support of the JAC, have implemented two comprehensive ProAires since the JAC was formed in 1996. The PROAIRES strengthen the existing SIPs in the El Paso area.

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Programa de Gestión de Calidad de Aire (ProAire)Cont'd

Although Ciudad Juárez 's ProAire and the Texas SIP have made great strides in improving the air quality of the b-national airshed, Mexico's Ministry of Environment and Natural Resources (SEMARNAT) launched an initiative of producing State–wide ProAires, through leadership of the State of Chihuahua's Ministry of Urban Development and Environment (SEDUE).

On September 6, the ProAire was presented to the Governor of Chihuahua at the State Buidling in the city of Chihuahua.

Similar to the SIP process in the US, the two agencies, SEMARNAT and SEDUE, along with members of the JAC, dedicated resources towards conducting 11 public meetings to include stakeholder input, that included the general public, stakeholders from various sectors such as local and federal governments, academia, public health non-governmental organizations, industry, chamber of commerce, transportation, and international trade and custom brokers. The State of Chihuahua ProAire program, will serve as a template for the other 5 Northern (Border) Mexican States on how to engage and leverage various resources and collaborations, that include, possible contributions from their U.S. corresponding partners. More information: Carlos Rincon (Rincon.carlos@epa.gov)

E-Waste Recycling Event in Ciudad Juárez , Chihuahua

On August 12th thru the 14th, a three-day Electronic Waste Collection event was held in Ciudad Juárez to collect of Electronic Waste (E-waste) for recycling, while supporting City schools by receiving computers, and the community was greeted with a small tree for reforestation. Dr. Carlos Rincon as part of the B2020 E-waste recycling steering committee joined the State of Chihuahua Governor and the State of Chihuahua Urban Development and Ecology Secretary, whom along with Ciudad Juárez Mayors and Keep Juárez Beautiful (Juárez Limpio) kicked off the three-day E-waste collection event, which was held at "Plaza Sendero" Parking lot in Ciudad Juárez . The E-waste recycling steering committee is presided by Juárez 's Mayor, The SEMARNAT Delegate in the State of Chihuahua, Brenda Rios Prieto, State of Chihuahua Ecology and Urban Development Secretary Arq. Nieves Maloof, along with Juárez 's Chapter of Mexico's National Chamber of Commerce, the National Association of Small Industry Manufacturing, the US Consulate in Ciudad Juárez , the Television and Radio Multi Media Association members Televisa, Azteca, Channel 44, Channel 5, local NGOs and School District, the Juárez 's Vehicle Emissions Inspection Association and E-waste collection corporation Ekorecikla. E-waste collected exceeded its set Goal of 50 Tons, by totaling 80 Tons plus other special waste collected as well, such as spent oil, batteries, used tires, toners, domestic cleaning and pest control chemicals. More information: Carlos Rincon (Rincon.carlos@epa.gov)

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E-Waste Recycling Event in Ciudad Juárez , Chihuahua Cont'd

Emergency Response Bi-national Exercises & Drills

On July 5, 2016 Maria Sisneros and Dr. Carlos Rincon participated on a B2020 Emergency Response bi- national tabletop exercise, joined by City of El Paso Emergency Management, Chief Villanueva and Lt. Quinn. Participation by US partners was supported by using GoToMeeting which allowed for PROFEPA, State of Chihuahua Civil Protection, Ciudad Juárez Civil Protection, Juárez 's LECP, and others to virtually communicate (live) during the binational tabletop exercise. The exercise involved the release/spill of a chemical at the Zaragoza POE on the Mexican Side. The Tabletop exercise focused on the Mexico's local, state and federal response and communication with its US counterparts. The drill exercised the local Sister City Plan between Ciudad Juárez and El Paso. The drill is part of an annual event PROFEPA holds each July to commemorate the Agency's anniversary.

On August 19, 2016 Carlos Rincon participated on a binational emergency response exercise led by Ciudad Juárez and State of Chihuahua's Civil Protection Directors, Efren Matamoros and Alfredo Garcia Acosta, respectively. The exercise was in coordination with Rafael Valenzuela, of PEMEX-Gas, the PROFEPA Delegate and Local Emergency Planning Committee partners or CLAM, as it is referred to in Mexico. The scenario exercised was that of a Gas Valve, located on the Mexican side of the Rio Grande, that controls pressure to a transboundary gas pipeline crossing the Rio Grande, experienced a gas release and explosion during a routine maintenance procedure by PEMEX operator, who suffered major burns to his body. The explosion then caused a vehicle nearby to catch on fire. The incident exercised the sister city plan, as well as the Joint Contingency Plan, the explosion called for several blocks of the surrounding Juárez Residential neighborhood to evacuate. Border 2020 partners included the Juárez Fire Department, the CLAM, Juárez Civil Protection, Chihuahua Civil Protection, PROFEPA and notification to US partners. Overall the exercise lasted 45 minutes. More information: Carlos Rincon (Rincon.carlos@epa.gov) or Maria Sisneros Sisneros.maria@epa.gov)

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Region 6 LEPC Border Workshops

In 2016 EPA Region 6 conducted 32 Local Emergency Planning Committee (LEPC) Workshops, with four workshops along the US-MX border (Las Cruces – NM; El Paso -TX, Laredo-TX, Harlingen/Brownsville – TX). The workshops were held to provide assistance and ideas to LEPCs and facilities on how to further implement the provisions of the Emergency Planning Committee Right-to-Know Act (EPCRA). EPA's Steve Mason, led for this effort, along with OSHA, DHS, and state representatives collaborated to present 32 workshops between May and October 2016. Over 100 local, state, federal government, and industry representatives attended these four border workshops, along with Maria Sisneros from the Border Office attended the El Paso workshop. The workshop agenda included presentations on:

EPCRA – 30 Year Anniversary
- Local Government Reimbursement Program
- Using Poison Control Centers during an Incident
- DHS – Chemical Safety Programs for your Facility
- Don't Forget the Other Groups for Your LEPC
- Gee, Where Do You Think That Release is Going?
- OSHA – Worker Safety During a Disaster
- State Programs / Issues
- Revisions to EPCRA / RCRA / RMP / SPCC as they relate to LEPCs

Presentations used during the workshops are posted at: http://www.epaosc.org/lepcworkshops
More information: Steve Mason (mason.steve@epa.gov) or Maria Sisneros (Sisneros.maria@epa.gov)

Junta de Los Rios Task Force

On July 20th, 2016 Carlos Rincon, of EPA R6 Border Office, and Gerardo Tarin, of Mexico's SEMARNAT in Ciudad Juárez , conducted the Junta de Los Rios Task Force annual public meeting held at City of Ojinaga, Chihuahua, City Council Chambers. Presiding over the meeting was both the Mayor of Ojinaga, Miguel Antonio Carreon Rohana, and the Mayor of Presidio, John Ferguson, who serve as Co-Chairs of the Junta de Los Rios Task Force. Stakeholders in attendance included the City of Ojinaga Ecology Director, the City of Presidio Public Works and Economic Director (Brad Newton), Mexico's Consulate located in Presidio (Lic. Sergio Francisco Salinas), Jake Geisbrecht, a Private Citizen representative of the US – Mexico Trade and Economic for Port of Entry infrastructure improvement and extension projects, and Carlos Nieto of Presidio, TX. Attending the meeting were also current administration City Council members and the City of Ojinaga Mayor Elect, Martin Sanchez who was joined by the City Manager elect, or SINDICO as it's called in Mexico.

Topics included:

- Update of PROAIRE for State of Chihuahua;
- B2020 Air Quality (AQ) network in Ojinaga, that has been funded through a grant awarded by BECC;

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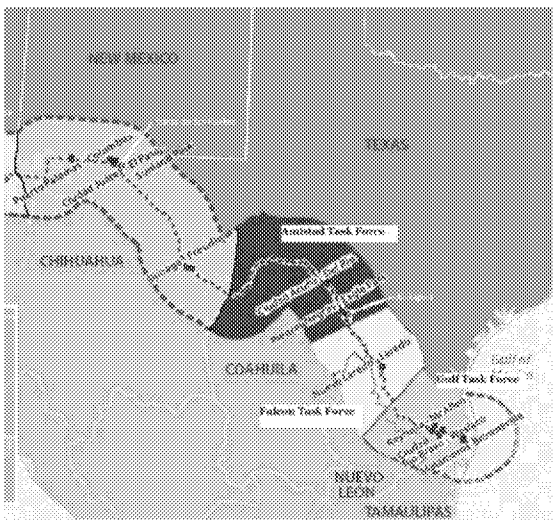
Junta de los Rios Task Force Chihuahua Cont'd

- Status of the Task Force's 2-year action plan measures and priorities for 2015-2016 and upcoming 2017-2018 action plan. Topics discussed for the action plans included a solid waste and landfill in Ojinaga, used tires, water sanitation and its effect on public health with emphasis on the health emerging issue: Zika Virus;

Strategies for continuing reporting air quality, training and supervision of Ojinaga's technical personnel for AQ monitoring of Ojinaga's current PM10 units, and shipment of AQ Filters to CIMAV laboratory in Chihuahua City under the supervision of Dr. Alfredo Campos Trujillo who will analyze the filters and will have the data ready for publication, on the City of Ojinaga and on other Task Force partners' web page. More information: Carlos A Rincon (Rincon.carlos@epa.gov)

Four-State Regional Workgroup Meetings

The Four-State Regional Workgroup includes parts of three Mexican States and a total of at least 29 municipalities in Northern Coahuila, Nuevo Leon and Tamaulipas, and 168 cities and towns on the U.S. side of the border.



The Four-State RWG is divided into three geographically based Task Forces (TFs) — a) Amistad, b) Falcon, and c) Gulf, each of which has established subject-specific committees related to its priority concerns and the goals of the Border 2020 program. A brief narrative of the meetings that took place at each of the three TFs in June 2016 is found below.

Amistad Task Force. – The Amistad Task Force meeting took place on June 21 at the Civic Center in Del Rio, Texas with more than 25 stakeholders in attendance. Meeting participants included officials from the USEPA Region 6 El Paso, TCEQ, SEMARNAT Tamaulipas (via web conferencing), the Border Environment Cooperation Commission (BECC), Secretariat of Environment in Coahuila, City of Del Rio, City of Eagle Pass, Ecology Department of Piedras Negras, Ecology Department of Ciudad Acuña, the Kickapoo Tribe (via web conferencing) and other non-profit organizations.

The City Manager of Del Rio and representatives from local governments of Piedras Negras and Ciudad Acuña, Coahuila issued welcoming remarks, joined by the representative from the Coahuila Secretariat of Environment. Dr. Carlos Rincon of EPA along with Victor Wong of the TCEQ Region 16 Laredo office, discussed the structure/purpose of the meeting and provided an overview of the Border 2020 Program.

The meeting agenda included: 1) an earth day event held in April by the City of Del Rio; 2) the Ciudad Acuña ecology department presented the city's recycling program which used plastic and scrap tire materials for road paving projects; 3) The Piedras Negras ecology department presented on its Program "Strong Children for a Clean Piedras Negras," which consisted of involving the community, specifically

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Four-State Regional Workgroup Activities Cont'd

children (ages 6 to 14), in efforts related to the education, as well as, collection of scrap tires and plastic bottles in the community and; 4) the Secretariat of the Environment in Coahuila and the ecological group Green Tec Osos of Piedras Negras reported on the status of used electronics campaigns held throughout the state.

Finally, the meeting included a session on projects funded under the 2015-2016 Border RFP, as well as, a group discussion on the close-out of 2015-2016 Border 2020 Two-Year Action Plan. More information: Carlos Rincon (Rincon.carlos@epa.gov)

Meeting Participants in Amistad Task Force on June 21, 2016 in Del Rio, Texas.

Falcon Task Force's Environmental Education and Health Committee - The meeting of the Falcon Task Force's Environmental Education and Health Committee was held on June 22, 2016 at the Laredo Environmental Services Department. There were more than 25 attendees. These included officials of EPA Region 6 office in El Paso,TCEQ, SEMARNAT, Tamaulipas (via web conferencing), Secretariat of Environment in Nuevo León (via web conferencing), the Border Environment Cooperation Commission (BECC), Laredo Environmental Services, Texas Department of Health and Human Services, Mexican Consulate in Laredo, Texas Engineering Extension Services (TEEX), and academic institutions.

The meeting began with the committee co-facilitators issuing welcoming remarks. Dr. Carlos Rincon of the EPA Region 6 office in El Paso and Victor Wong of the TCEQ Region 16 Laredo office discussed the structure/purpose of the meeting and provided an overview of the Border 2020 Program.

The Laredo Health Department discussed efforts to address the Zika virus, among those actions there exists a closely coordination with the Nuevo Laredo Jurisdicción Sanitaria to conduct awareness and

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Four-State Regional Workgroup Activities Cont'd

prevention tools related to the Zika virus. The Autonomous University of Tamaulipas reported on the status of an environmental education and legislative project funded by the Border 2020 Program. The program consists of increasing training on environmental education tools and enhancing binational cooperation to implement innovative environmental education programs.

Officials from Caterpillar (a global manufacturer of heavy equipment) are working with the Nuevo Laredo Technological University on the design and construction of a wastewater treatment facility on campus. The plant would treat wastewater using a combined anaerobic pre-treatment and aerobic post-treatment process, replacing pits that store wastewater generated on campus.

The Rio Grande International Study Center (RGISC) reported on a project to restore the Manadas Creek Wetland. RGISC is working with schools to pick up trash in one of the branches of the creek. Information was shared to participants about Ciudad Acuña's plastic and scrap tire recycling program. There was also a discussion on the close-out of 2015-2016 Border 2020 Two-Year Action Plan. More information: Carlos Rincon (Rincon.carlos@epa.gov)

Meeting Participants in Falco Task Force (Environmental Health & Education Subcommittee) met on June 22, 2016 at the Laredo Environmental Services Department meeting space.

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Four-State Regional Workgroup Activities Cont'd

Gulf Task Force – Water Committee Meeting, met on Friday, June, 2015 in Harlingen, Texas. Maria Sisneros from the El Paso Border Office attended the meeting. The meeting was attended by approximately 26 bi-national stakeholders from both the U.S and Mexico. Attendees included representatives from EPA, TCEQ, Tamaulipas Secretariat of Environment and Sustainable Development (SEDUMA), Comisión Internacional de Limites de Agua (CILA), Brownsville Public Utilities Board (BPUB), Attorney General's Environmental Protection Division, Matamoros Water Utilities, and Secretary of State Colonias Director and other border partners.

The meeting included a presentation from the BPUB on their Border 2020 grant for $25,000 to help fund a Fat, Oil and Grease (FOG) public outreach campaign. The goal of the project is to provide outreach and education to improve water quality by reducing the number of sanitary sewer overflows from commercial and residential customers while increasing environmental awareness of how fat, oil and grease contribute to a potential health hazard if not handled correctly. Activities performed under the grant included:

- Public Outreach initiatives - FOG Best Management Practices (BMP's)
- Workshops/Public Presentations: from February to May 2016, BPUB presented the FOG program to 540 people. From February – May 2016, distributed 1, 771 door-hangers & brochures.
- TV Commercial(s)/Interviews http://www.rgvproud.com/news/local-news/brownsville-pub-drainage-campaign
- April - 35 TV Spots (NVEO Brownsville)
- May - 37 TV Spots (NVEO Brownsville)
- May - 42 TV Spots (Telemundo 40)
- June - 1 TV Interview (Univision 48)
- Newspaper/Website https://www.youtube.com/watch?v=AL8PFo3SAtc
- Customer Site Visits

David Negrete from CILA shared information on the Lower Rio Grande/Rio Bravo Water Quality Initiative (LRGWQI). This pilot project will address the problems and concerns in the Lower Rio Bravo / Rio Grande below Falcon Dam to the Gulf of Mexico through binational cooperation on water quality. The objective is to develop a binational watershed-based plan to reduce bacteria levels in the southern stretch of the Rio Grande, other issues like salinity and dissolved oxygen will be also addressed in this initiative. This

Residential FOG Outreach Campaign by Brownsville Public Utilities Board

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Four-State Regional Workgroup Activities Cont'd

initiative will serve as an institutional model to address the additional issues of transboundary water quality in other parts of the Rio Grande. Mr. Negrete also provided an update on the Reynosa, Matamoros, Camargo, Miguel Aleman, Diaz Ordaz, Ciudad Mier y Nueva Ciudad Guerrero wastewater treatment plants and infrastructure projects certified by BECC.

Javier Guerrero and Agusto Sanchez from Texas A &M, shared information on Low Impact Development (LID) Implementation and Education project funded by Border 2020 Program. The goal of this project is promote specific research and educational topics emphasizing how green infrastructure strategies can be utilized to mitigate stormwater runoff, to maximize local stormwater runoff detention at development projects, to minimize localized flooding in urban, rural, and colonia settings, to manage oil & grease and other illicit discharges from residential and commercial businesses using the water quality treatment characteristics of low impact development, to mitigate illegal dumping and stormwater floatables, and their impact on localized flooding and water quality. Mr. Guerrero also discussed several LID projects in the Lower Rio Grande Valley.

Dr. David Eaton, from UT's LBJ School, presented on efforts to support local stakeholder participation in the Lower Rio Grande/Rio Bravo Water Quality Initiative. These efforts include involving local stakeholders in developing management practices and selecting investments to improve water quality in all three of the bi-national stretches of the river, from: El Paso to Amistad Reservoir; rom Amistad Reservoir to Falcon Reservoir; and from Falcon Reservoir to the Gulf of Mexico. The grant was at its beginning stages but Dr. Eaton shared the goals/activities that would be accomplished under the project.

Finally, Claudia Lozano, TCEQ, provided copies of the Gulf Task Force's 2-year action plan, water projects only. Currently, there are several water projects that are in progress with eight new projects in the Gulf Task Force Region that were approved at the end of 2015 to receive funding from Border 2020 Program. More information: Maria Sisneros Sisneros.maria@epa.gov)

EPA REGION 6 Environmental Justice Summit

EPA Region 6 hosted a five-state Environmental Justice Summit on August 9-10, 2016, in Dallas, TX. The summit was the culmination of the state EJ Training Workshops and included sessions on the development and implementation of the EJ Collaborative Action Plans for Arkansas, Louisiana, New Mexico, Oklahoma and Texas. The summit also highlighted examples of successful multi-stakeholder collaborations to address EJ issues in communities across Region 6, as well as recent federal government initiatives that can support local community efforts to address EJ issues. Nearly 170 people attended the Summit including speakers and EPA support staff, that included Debra Tellez from the El Paso Border Office and who currently serves as the New Mexico EJ State Liaison. Summit participants included grassroots and community leaders, non-profit organizations, academia, industry, local, state,

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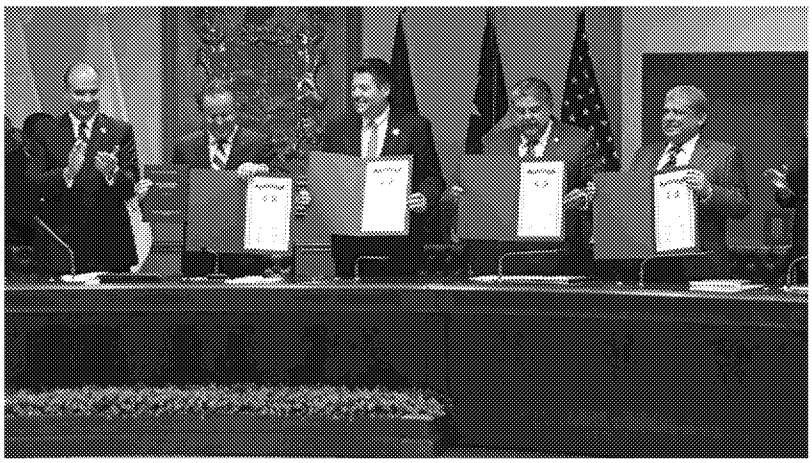
EPA REGION 6 Environmental Justice Summit Cont'd

and federal environmental justice partners. Border NGO and ARISE, delivered a presentation focused on the Colonias-Lower Rio Grande Valley Texas Actions/Initiatives that both the Region 6 Superfund, EJ and Border Program have been working on. More information: Debra Tellez (tellez.debra@epa.gov) or Paula Flores-Gregg (flores.paula@epa.gov)

2016 EJ Summit Participants in Dallas, Texas (Photo: Air Alliance Houston)

Emergency Response Sister-City Plan Updates in Four-State Region

On July 13, 2016 City officials from Laredo and Nuevo Laredo met to update the sister-city plan. The cross border contingency plan outlines instances when the City of Laredo Fire and Nuevo Laredo Fire Department will respond to cross-border emergencies and put in place a communication notification system for such events. More information: Maria Sisneros Sisneros.maria@epa.gov)



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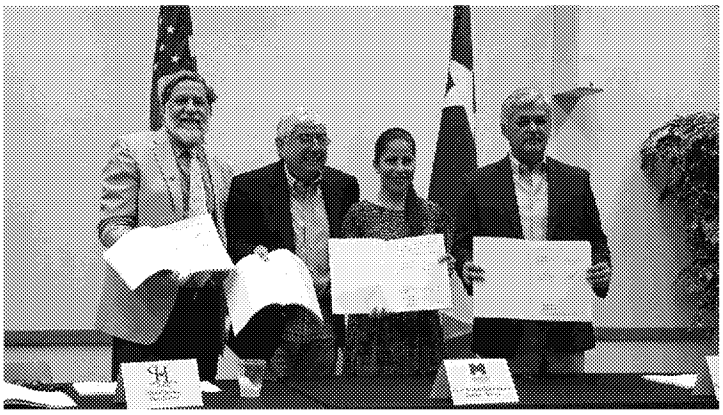
Emergency Response Sister-City Plan Updates in Four-State Region Cont'd



On September 29, 2016, the Brownsville/Harlingen, Texas – Matamoros/Valle Hermoso, Tamaulipas Cross Border Contingency Plan was signed in Brownsville, Texas. Claudia Lozano of TCEQ played a key role in getting the Plan signed; although the Plan had been funded under a grant of the Border 2012 Program, there was a delay in having the plan officially signed. The plan reinforces the cooperation between the cities to be able to respond more efficiently to hazards and share resources during local binational disasters. More information: Maria Sisneros Sisneros.maria@epa.gov)

Emergency Response Preparedness Conference for Colonias

The OEJTIA office through both the EJ and Border 2020 Program began working with several non-government organizations in the Lower Rio Grande Valley (RGV) region to assist them with hosting a conference on emergency preparedness and recovery efforts for Colonias. The **RGV Community Emergency Preparedness Conference: Before, During and After** was developed as a first-of-its-kind event that provided colonia residents with hands-on, Spanish-language education about how to prepare for, survive and recover from a disaster. The conference was held on Saturday, August 27 at the Primera Iglesia Bautista de Alamo in Alamo, Texas. In total, 110 colonia residents were able to attend the all day conference. The conference was developed and funded by a coalition of community groups, local elected officials and faith based organizations that include; A Resource In Serving Equality (ARISE), La Unión del Pueblo Entero (LUPE), Texans Recovering Together, El Valle District of the United Methodist Church, First United Methodist Church of Donna, Food Bank of the RGV, Alamo Water Supply Corporation, the Community Development Corporation of Brownsville, Hidalgo County Precinct 2, Rio Delta Engineering, bc Workshop, and the Texas Secretary of State Colonia Program. Maria Sisneros, from the border program, participated on the planning committee for several months leading up to the conference. Paula Flores-Greg, from the EJ Program, assisted the day of the conference. The Border 2020 Program, through the BECC, provided approximately $4,636 in funding for the conference.

Several valley-wide organizations and agencies held informational 45-minute workshops in the morning, followed by plenary sessions. The workshops covered information from fire prevention to food safety and storage after an emergency. The plenary sessions included a review of the county evacuation plans, a panel on disaster housing, and a family emergency planning session. Workshops were held in Spanish with optional English translation, and takehome materials were provided in

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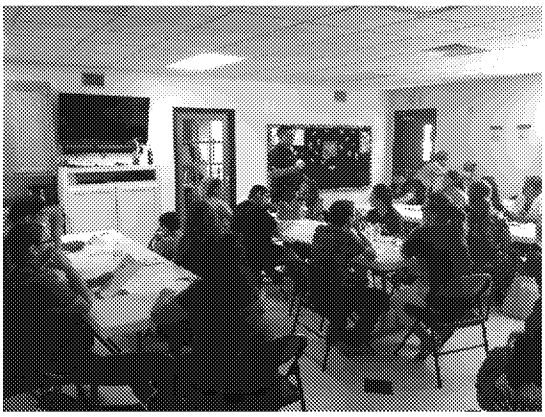
Emergency Response Preparedness Conference for Colonias Cont'd



Colonia Residents at Fire Safety Workshop

Spanish as well. Due to the success of the conference, the EPA EJ Program along with ARISE and several other steering committee members will looking to expand and build upon the conference to create a template or model for future conferences, such as this, that can be held in other colonias areas. Paula Flores-Gregg (flores.paula@epa.gov) or Maria Sisneros (Sisneros.maria@epa.gov)

Border Breakfast

The New Mexico Border Health monthly meetings highlighted several of our Border partner's activities during the last few months of 2016. The NMSU Extension, Family and Consumer Services discussed the Health Literacy Action team initiative, at the July 2016 meeting, which is working with patient, provider interaction. They have determined Literacy skills is number one determinant of Health. They conducted health literacy assessment of "at risk" audiences (low income levels, older adults, incarcerated individuals, GED students). The three-year program will provide assistance to medical community with resource development to address the need for patients to read and understand info given to them, calculating prescription dosages, understanding medication levels, and interpreting test results.

NEW MEXICO WATER RESOURCES RESEARCH INSTITUTE
A STATE-WIDE CONSORTIUM FOR WATER RESEARCH, EDUCATION, AND OUTREACH

The New Mexico Water Resources Research Institute presented at the August 2016 meeting to discuss their study on the Impact of Drought on Household Water Quality in rural Southern New Mexico completed in June 2015. The study, funded by the New Mexico Department of Health, focused on testing the quality of private well water and impact of five-year consecutive drought on groundwater in the Mimbres Basin, a groundwater aquifer shared by New Mexico and the Mexican state of Chihuahua. The Basin serves as the primary source of household water for residents in NM's Luna County and portions of western Doña Ana and Southern Grant County. It also supplies the Mexican border community of Puerto Palomas. NMDOH and WRRI concerned with the high percentage of individuals in the Mimbres Basin served by unregulated, private wells, conducted this well water testing project to determine if well owners were unknowingly at risk from elevated concentrations of harmful contaminants in their drinking water. It is estimated 2,910 households

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Border Breakfast Cont'd

obtain their household water from private wells. 143 individual wells samples were collected and tested for arsenic, fluoride, nitrates, uranium, total coliform and E. coli. Of the samples tested, 16 or 11.2% were measured at concentrations that exceeded one or more of the standards for healthy drinking water. Four samples exceeded the standards for two or more contaminants, some as high as four times the maximum concentration level. Project staff provided lab results in Spanish and English and met with well owners to assist the well owner in understanding their probable source of contamination and were instructed on methods of reducing or eliminating the contaminant from their household supplies. The WRRI researchers concluded that the concentrations of contaminants in groundwater may rise during periods of drought and as the drought advances in the border region, monitoring private domestic water supplies becomes a more relevant exercise to help healthcare workers better identify individuals at risk of drinking water contamination. The complete project results can be found at: http://border.nm.edu/wellwatersamplingproject . They announced that additional well monitoring will begin in Hidalgo County.

The Border Environmental Cooperation Commission (BECC) presented at the September 2016 meeting to discuss some of the strategic Initiatives promoting sustainable practices and investment, energy audits and water audits. They identified the lack of attention and strategies for addressing aging infrastructure in the border region, unstainable rate structures and lack of water storage capacity in some border communities. Doña Ana County Health and Human Services (DACHHS) presented their efforts to streamline crisis response system for mental health patients at the October 2016 meeting. They are identifying places to intercept folks before detention and opportunities for pre-screening to get services (i.e. vets, direct them to appropriate office). DACHHS is emphasizing citation, rather than incarceration and partnering with ambulance service to transport crisis victims in vehicle rather than an ambulance. DACHHS is looking to create assisted outpatient care program and bringing in crisis training for law enforcement and emergency services. More information: Debra Tellez (tellez.debra@epa.gov)

3-State and 4-State Partner Calls

MONTHLY CONFERENCE CALL WITH BORDER PARTNERS: The El Paso Border Team began in 2006 having monthly calls with Border 2020 Federal and State Co-Chair Border staff in order to keep each of the agencies updated on ongoing border meetings and efforts as they relate to the Border Program. The meetings are held every 2nd Tuesday of month with the Texas Commission on Environmental Quality (TCEQ), the Secretariat of Environment and Natural Resources (SEMARNAT in Spanish), New Mexico Environment Department (NMED), the Secretariat of Urban Development and Ecology for state of Chihuahua (SEDUE in Spanish) and Ysleta del Sur Pueblo (YDSP). The conference calls focus on environmental border events in the Texas-New Mexico-Chihuahua (TX-NM-CHIH) region that each agency conducts. As events occur, updates are discussed to better prepare for the event and receive input by the border partners.

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3-State and 4-State Partner Calls Cont'd

In the past months, updates that have been discussed include the Border 2020 2-year workplans for the TX-NM-CHIH Regional Workgroup that focused on projects and actions that were completed or will be completed in 2015 through 2016, as well as, the new priorities for the 2016-2017 2-year workplans. In addition, border projects funded and their status are shared amongst the group, as well as, any activities that took place as part of these projects. Other discussions included taskforce meetings: The Joint Advisory committee (September 2016); Texas-Chihuahua taskforce (July 2016); Amistad, Falcon and Gulf Task Forces (June 2016). Ongoing discussion regarding the PROAIRE, which was signed in September 2016, the air quality management plan for the state of Chihuahua. Partner meetings that have taken place has included the Bi-national Health Council meetings in El Paso, Texas and Presidio, Texas. More information: Maria Dora Vasquez (Vasquez.maria@epa.gov)

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Goal 5: Enhance Compliance Assurance & Environmental Stewardship
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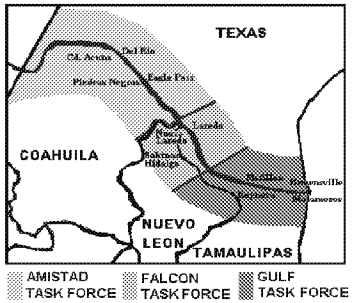
BORDER 2020
2015-2016 Action Plan
TX-COAH-TAMP-NL Regional Workgroup

August 2015



The **Four-State Regional Workgroup** is the most complex of the four regional workgroups, because of its geographical expanse and the number of municipalities. The region includes parts of three states and a total of at least 29 municipios on the Mexican side, and 168 cities and towns on the U.S. side. Recognizing this, the workgroup divided itself into three geographically based Task Forces—Amistad, Falcon, and Gulf, each of which has established subject-specific committees related to its priority concerns.

During the first half of 2015 the three task forces have held meetings to discuss initial priorities for the 2015-2016 Action Plan, and several conference calls of leaders were held in June 2015 to develop a consensus of priorities at the task force and regional workgroup levels.

Border 2020 has five goals and the regional work groups propose projects to implement these goals. These projects are tracked in two-year revolving work plans. The 2015-2016 version is the second of its kind. Several projects have been carried over from the 2013-2014 Action Plan. Due to consensus by the Four State Workgroup, a sixth goal for health and education projects was included. Projects are organized by Border 2020 goals and objectives.

Regional Priorities

1. Improve air quality through the following approaches:
    a. Increase energy efficiency at the consumption level and the use of renewable energy at all appropriate levels
    b. Analyze emissions and emission sources in specific air sheds
    c. A study on the possible health effects caused by climate change
2. Improve water quality by taking the following actions:
    a. Evaluate the Rio Grande watershed in the region
    b. Establish enforcement programs to prevent pollution on water bodies on the Mexican side
    c. Improve water infrastructure as it pertains to treatment systems and distribution in rural areas
3. Address problems of improper waste disposal:
4. Assist communities to build capacity for waste streams: by implementing recycling, household hazardous waste and electronic waste collection and disposal programs and develop comprehensive plans for scrap tire disposal and alternative markets

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5. Expand environmental education related to waste issues
6. Enhance Joint Preparedness for Environmental Response
    a. Provide HAZMAT training to local first responders to reduce exposure to chemicals as a result of accidental chemical releases and/or spills in the.
    b. Coordinate emergency preparedness response table top exercise or field exercises.
7. Develop a certified environmental health curriculum to train border community health workers and promotoras on lead, mercury, pesticides, and other heavy metals

Individual Task Force Priorities

Amistad Task Force

1. Generate plans to mitigate the impacts of climate change in Coahuila
2. Establish air quality monitoring stations and exchange data with Texas
3. Develop a database to measure emissions of hydraulic fracturing operations in Coahuila
4. Increased use of alternate and renewable energy sources (such as landfill gas and solar energy)
5. Develop water conservation and reuse programs for irrigation in Coahuila
6. Establish waste management programs in ten municipalities in Coahuila (including used electronics, household hazardous waste management and recycling)
7. Develop and promote scrap tire, recycling and solid waste management programs on the Kickapoo Reservation

Falcon Task Force

1. Conduct a study on the use of methane gas for energy generation in landfills
2. Monitoring of drilling operations in the Eagle Ford Shale and on the Mexican side
3. Finalizing the cross-border contingency plan
4. Generate studies and projects for water reuse and conservation
5. Develop adequate management, alternative markets(such as tire cutters) and ordinances for scrap tires
6. Establish used electronics and household hazardous waste programs in municipalities in the Falcon Task Force
7. Develop a diagnostic study on the generation and alternative markets for construction waste in the Falcon Task Force
8. Develop a workshop on best practices related to public health and environmental education indicators

Gulf Task Force

1. Outreach programs to improve energy efficiency.
2. Educate the community on how to improve water quality
3. Improve or develop Industrial Pretreatment, Fats, Oil & Grease Management and Storm Water Programs.
4. Increase environmental awareness and responsibility with regard to solid waste and water related health effects in city residents, rural communities and colonias.
5. Healthy Homes training for Promotoras along the GTF' US-MX border

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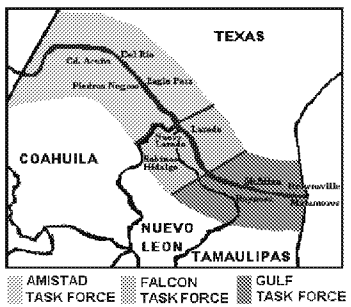
Border 2020

2015-2016 Action Plan Grid
Four-State Regional Workgroup

Legend:

- Activity covers at least two task force areas
- Gulf Task Force
- Falcon Task Force
- Amistad Task Force



GOAL # 1: Reduce Air Pollution

Project N°	Project Title Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of Funding	Points of Contact	2015-2016 Target	Progress Towards Target
Objective 1: By 2020, reduce the number of vehicles operating in the border region that do not comply with the respective vehicle emissions standards, and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible measures.							
1.1.01	**Coahuila Vehicle Inspection Program** To develop Coahuila's vehicle inspection program, partly in consultation with the State of Texas regarding their experience.	SEMA, Coahuila, COMIMSA, Municipio de Piedras Negras, Municipio de Acuña, TCEQ	$700,000	Municipios	Humberto Fuentes, SEMA/Coahuila, humberto.fuentes@coahuila.gob.mx	Inspect 40% of the vehicles in Acuña, Piedras Negras, and Monclova.	Implementation is in progress. The current administration reports that no state funding is available and all jurisdictions are at the municipal level. Acuña obtained equipment in late 2014. Officials in Nava are identifying funding sources for the purchase of equipment.

1.1.02*	**Characterization of Drayage Activities & Emissions Laredo-Nuevo Laredo Airshed** Develop a detailed characterization of the drayage activity (short-haul, cross-border transport of state) in the Laredo-Nuevo Laredo region and its air quality implications.	Texas A&M Transportation Institute	$89,750	Border 2020	Dr. Reza Farzaneh, TTI, Reza.Farzaneh@tamu.edu, (512) 467-0946	Gather activity information on drayage vehicles to estimate their emissions impacts in the Laredo and Nuevo Laredo airshed	TTI obtained permissions by the EPA, BECC and the Texas A&M IRB to collect GPS data from drayage vehicles operating in the Laredo-Nuevo Laredo region. TTI recruited 20 drayage truck operators and collected GPS data. TTI staff are analyzing the data and determining the emission impact of the trucks.
1.1.03	**Emissions from Long Haul MX Diesel Trucks in Laredo-San Antonio Corridor** Survey diesel truck activity and evaluate typical Mexican diesel truck emissions along Laredo-San Antonio Corridor.	Texas A&M Transportation Institute	$100,000	EPA, TCEQ	Dr. Reza Farzaneh, TTI, Reza.Farzaneh@tamu.edu, (512) 467-0946	Collecting and analyzing data. TTI will present findings and report in August.	In July 2015 the investigative team presented TCEQ with a progress report and will turn in all final deliverables in August.
Objective 5: By 2020, reduce emissions and associated impacts, through energy efficiency and/or alternative/renewable energy projects.							
1.5.01	**Coahulia Climate Action Plan** Initiate Phase 2 of the State Climate Action Plan (PEAC) for Coahuila: Quantification of the mitigation policies selected in Phase 1.	Coahuila State Government and BECC	$275,000	BECC	Tomás Balarezo, BECC, tbalarezo@cocef.org	Econometric evaluation of the mitigation policies selected in Phase 1.	A Comité Intersecretarial ante el Cambio Climático (CICC) was established, as well as Integrated Technical Working Groups (TWG) and the Advisory Group (AG). A consultant has been hired, and a local coordinator and local experts recruited.
1.5.02	**Tamaulipas Climate Action Plan** Initiate Phase 2 of the State Climate Action Plan (PEAC) for Tamaulipas: Quantification of the mitigation public policies selected in Phase 1.	Tamaulipas State Government and BECC	$100,000	BECC	Tomás Balarezo, BECC, tbalarezo@cocef.org	Selection of a number of prioritized mitigation public policies for climate change.	Five technical groups began work in July 2012. In 2013-14, the state strategy was redesigned. A Comité Intersecretarial ante el Cambio Climático (CICC) has been established, as well as Integrated Technical Working Groups (TWG) and the Advisory Group (AG). A consultant has been hired.
1.5.03	**Wind Power in Nuevo León** Research the potential for harnessing	SDS (Secretaria de Desarrollo	$10,000	Mexican federal	Norma Rangel , SDS Nuevo León,	Establish wind monitors in	The Secretariat of Sustainable Development in Nuevo León has

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	wind power for electricity generation in Nuevo León.	Sustentable de Nuevo León)		funds, CONACYT	normaarangel@gmail.com 0115281 20 33-19-38	selected areas of the state by 2016.	applied for different grants to obtain funding for the monitors, but has not secured funds. They will submit another grant proposal in 2015.
1.5.04	**Air Quality Network in Coahuila** Establish an air quality monitoring network in the areas of Piedras Negras-Nava, Acuña, Sabinas, and Saltillo, Coahuila.	SEMA (Coahuila), Municipio de Piedras Negras, Acuña, Nava, Sabinas, Saltillo	$1,400,000	SEMA Coahuila	Humberto Fuentes, SEMA/Coahuila, humberto.fuentes@coahuila.gob.mx	Have air quality monitoring network in operation for Piedras Negras-Nava Region, Acuña, Sabinas Region and Saltillo Region, Coahuila.	Implementation has begun but the schedule for completion has been extended by two or more years. In 2013 SEMA began working with local officials to include these projects in the plans of the applicable "Metropolitan Zones." A network will be deployed in Saltillo in 2015 and in Piedras Negras in 2016.
1.5.05	**Retrofits Public Buildings in Coahuila** Apply retrofit technologies to public buildings in Piedras Negras and Acuña, Coahuila that will reduce energy consumption.	SEMA Coahuila, Municipio de Piedras Negras y Municipio de Acuña	$500,000	SEMA Coahuila	Alejandra Carrera, SEMA/Coahuila, alejandra.carrera@sema.gob.mx	Involve municipal agencies through a series of workshops and select at least 10 buildings to pilot retrofit technologies.	With assistance from the BECC, workshops were held in December 2013 in Piedras Negras and Acuña, disseminating information on how public buildings could be made more energy-efficient. No information is available regarding whether 10 pilot projects are being pursued.
1.5.06	**Vehicle Emissions Inspection Program** Design and implement vehicle emission verification programs or campaigns in Tamaulipas.	SEDUMA Tamaulipas		SEDUMA, SEMARNAT	Ing. Humberto Rene Salinas, SEDUMA, seduma@tamaulipas.gob.mx	Have a vehicle verification program in the border area of the state by end of 2014.	A pilot program focused on the state-owned fleet was initiated in early 2013. Additional implementation was put on hold, with the hope that a program for private vehicles can be initiated in 2015.
1.5.07	**Atmospheric Monitoring System** Strengthen Tamaulipas' atmospheric monitoring system.	SEDUMA Tamaulipas		SEDUMA, EPA, and BECC	Ing. Humberto Rene Salinas , SEDUMA, seduma@tamaulipas.gob.mx	By 2014, the system will operate at 100% with programmatic consistency	Eight municipalities have the equipment for air monitoring of PM10 (Matamoros, Reynosa, Nuevo Laredo, Victoria, Mante, Tampico, Madero, and Altamira). Currently only three of these

						standards.	have their network in operation (Nuevo Laredo, Victoria, and Tampico).

Goal # 2: Improve Access to Clean and Safe Water

Project N°	Project Title Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact	2015-2016 Target	Progress Towards Target
Objective 2: Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.							
2.2.01	**Upgrade Sewer Line Infrastructure Nuevo Laredo** Install new or upgrade selected existing sewer lines and connect them to Nuevo Laredo's wastewater treatment plant to prevent contaminated discharges through the stormwater system to the Rio Grande.	COMAPA and Municipio de Nuevo Laredo	$5,000,000	North American Development Bank (NADB)	Delfino González C.P., COMAPA, dgcdelfino@comapanuevolaredo.gob.mx	Complete the project by January 2015.	BECC certified the project in September 2012. Of the five sewer lines, one was completed by mid-2014. The remaining four collectors were under repair and discharging about 1.6 MGD to the stormwater system. Another discharge point from La Joya Creek was identified by COMAPA and will be repaired.
2.2.02*	**Ideal Biological Filtration Material South Texas Storm Management** Identify the best locally available material for use in bio-swale in the Lower Rio Grande Valley & South TX.	University of Texas Pan American	$26,022	Border 2020		The proto-type bioswale will be tested in a newly constructed parking lot on the campus of UT Pan American.	Maria Sisneros will provide information.
2.2.03*	**Management of Fats, Oils, and Grease Nuevo Laredo** Reduce the concentration of fats, oils, and grease in the effluent water coming from restaurants and hotels and industrial dining facilities in Nuevo Laredo.	Comisión Municipal de Agua Potable y Alcantarillado, Nuevo León.	$32,533	Border 2020	Ing. Juan Carlos Pérez Faz, COMAPA Nuevo Laredo, jcarlos_faz@hotmail.com 01152867 717-24-44	Hold workshops and follow-up with commercial establishments on implementation of FOG programs	COMAPA organized workshops to educate commercial establishments and residents on best practices. First workshop was held in March, in which some 160 participants learned about FOG regulations and proper disposal. Two workshops were held in April

							to discuss lessons learned and follow up on FOG programs implemented by establishments at their facilities, with approx. 200 establishments. T wo additional workshops held in June and August.
Objective 3: Work binationally to identify and reduce surface water contamination in transboundary waterbodies or watersheds.							
2.3.01	**Water-body Ecosystems in Coahuila** Design and implement local public conservation campaigns and land conservation agreements for Rio San Rodrigo and Arroyo Las Vacas, which are tributaries to the Rio Grande.	SEMA Coahuila, Municipio de Piedras Negras and Municipio de Acuña	$400,000	State of Coahuila and Border 2020	Alejandra Carrera, SEMA/Coahuila, alejandra.carrera@sema.gob.mx	Implement campaigns and conclude land conservation agreements by the end of 2014.	SEMA obtained EPA funding through the BECC in spring 2014 to restore and conserve the Arroyo Las Vacas. SEMA developed partnerships with TCEQ, Cd. Acuña, academic institutions, and UT Austin. SEMA and BECC finalized the workplan and are negotiating the quality assurance project plan. In October 2014 SEMA held a ribbon cutting for the Arroyo Las Vacas project in Ciudad Acuña and a complementary signing ceremony regarding land conservation.
2.3.02	**Removal of Invasive Plants** Implement a program to remove invasive plants in the Rio Grande.	SEMA Coahuila, CONANP, Profauna	$85,000	SEMA (Coahuila), CONANP, Profauna –	Alejandra Carrera, SEMA Coahuila, alejandra.carrera@sema.gob.mx	By the end of 2014, increase activities of the invasive species plant removal program.	No progress yet made by mid-2013. No information has been available since then.
2.3.03	**Lower Rio Grande Binational Water Quality Initiative (LRGWQI)** Implement a binational Lower Rio Grande Water Quality Initiative (from Falcon to the Gulf) that characterizes the state of the river, develops a strategic plan to improve environmental conditions, and proposes a monitoring plan to document progress.	TCEQ, EPA, IBWC, CILA, CONAGUA, and federal, state, and local government agencies		TCEQ, EPA, IBWC, and federal, state, and local government agencies	Kelly Holligan ,TCEQ, 512-239-2369, Kelly.holligan@tceq.texas.gov	Implement actions to improve water quality and promote an adequate habitat for flora and fauna in the Arroyo Las Vacas.	In March the LRGWQI's Binational Technical Work Group conducted the first of four binational synoptic water quality surveys scheduled for the project. They also developed a preliminary input file for a steady-state water quality model of the Rio Grande/Río Bravo (Falcon Dam to Gulf of Mexico).

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2.3.04*	**Conservation of Las Vacas Stream** Design and implement actions to improve water quality and promote an adequate habitat for flora and fauna species in the Arroyo Las Vacas.	Ciudad Acuna Department of Environment, SEMA Coahuila	$44,200	Border 2020	Lic. Alejandra Carrera, Secretaria de Medio Ambiente de Coahuila, alejandra.carrera@sema.gob.mx 01152844 410-0014	Implement actions to improve water quality and promote an adequate habitat for flora and fauna species in Las Vacas stream.	SEMA conducted a diagnostic study of the environmental conditions and issues. SEMA collaborated with the Acuña ecology department and the Instituto Tecnológico Superior de Acuña (ITSA), to gather water quality data and identify sources of pollution, and conduct cleanup activities. TCEQ and the LBJ School at UT Austin organized a technical exchange with ITSA students and SEMAC\ officials in May. In September, a training is scheduled on binational water quality monitoring, data calibration, sampling techniques, etc.

Goal # 3: Promote Materials Management, Waste Management and Clean Sites

Project N°	Project Title Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of Funding	Points of Contact	2015-2016 Target	Progress Towards Target
Objective 1: By 2020, increase local and state-level knowledge and experience in the area of sustainable material management practices.							
3.1.01	**SEMARNAT's Green Schools Program** Link and promote the Mexican federal program "Green Schools" in all three Mexican states in the region and explore possible use in Texas.	SEMARNAT Tamaulipas and state agencies in Tamaulipas, Nuevo León, and Coahuila		SEMARNAT	Delfino Ramírez, SEMARNAT, Delfino.ramirez@semarnat.tamaulipas.gob.mx Lic. Alejandro Manríquez Ramírez, SEMARNAT, educacion@coahuila.semarnat.gob.mx	Reach 150 schools in the 3 Mexican States by July 2013. Hold an information exchange meeting w/Texas 2014.	SEMARNAT implemented the program very successfully in Tamaulipas and on a very limited basis in Coahuila. By mid-2013 in Tamaulipas, 135 schools had been registered in the program.
3.1.02	**Environmental Education Program Nuevo Laredo** Establish an environmental	Keep Laredo Beautiful, Keep America		The City of Laredo Environment	Lynne Nava, Keep Laredo Beautiful,	Establish an environmental organization	Keep Laredo Beautiful will be meeting with officials of the Technological University of

	organization to develop environmental awareness and clean-up programs in Nuevo Laredo in affiliation with Keep America Beautiful.	Beautiful, and the Municipio of Nuevo Laredo		al Services local partners, and Keep America Beautiful	lnava1@ci.laredo.tx.us 956-794-1650	affiliated with Keep America Beautiful by 2016.	Nuevo Laredo in August to discuss the project and inquire about their interest in establishing an environmental organization through Keep America Beautiful. Keep Laredo Beautiful has committed to pay membership fees for one year for the organization to be affiliated with Keep America Beautiful.
3.1.03*	**Clean-up Campaign Keep Pharr Beautiful** Support monthly cleanup program Keep Pharr Beautiful with strong public outreach.	Public Works Department, City of Pharr	$20,000	Border 2020	Grace Gonzalez, Pharr Public Works Department, grace.gonzales@pharr-tx.gov	Reduce illegal dumping in residential and industrial sectors and encourage residents to take responsibility for the beatification of their communities.	Maria Sisneros will provide information
3.1.04*	**Alamo's Recycling TEAM Includes Everyone** Implement the Alamo's Recycling TEAM Includes Everyone (ARTIE) Project, which strives to enhance the management of solid waste in the city.	City of Alamo	$54,838	Border 2020	Melissa Gonzales, City of Alamo,	Increase recycling efforts by at least 25%, increase awareness of non-point pollution and solutions and establish partnerships that will promote environmental stewardship.	Maria Sisneros will provide information
Objective 2: By 2014, identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.							
3.2.01	**Local Use Compost in Nuevo Laredo** Develop a composting operation in Nuevo Laredo using sludge from the wastewater treatment plant and yard	COMAPA and Municipio de Nuevo Laredo		Municipio de Nuevo Laredo	Delfino González C.P., COMAPA, dgcdelfino@comapanuevolaredo.gob.mx	Sign contract with the municipio to purchase gear for compost	

	wastes, and apply the product in municipal parks as well as in homes (through sales to homeowners).				,	generation, and sell to commercial establishments.	
3.2.02	**Scrap-Tire Management Program** Design and implement a state scrap-tire management program that includes valuation.	SEDUMA Tamaulipas	$ 400,000	SEDUMA, SEMARNA, EPA	Ing. Humberto René Salinas , SEDUMA, seduma@tamaulipas.gob.mx	Develop public policy and a management plan for scrap tires.	The project is on hold.
3.2.03	**Energy Value of Waste Tamaulipas** SEDUMA will evaluate the ways in which energy could be recovered from waste and used.	SEDUMA	$300,000	EPA	Ing. Humberto Rene Salina, SEDUMA, seduma@tamaulipas.gov.mx	Action Plan to be complete by the end of 2014.	The project is on hold.
3.2.04	**Characterization Municipal Solid Waste Stream & Diagnosis Regarding Generation/Management of Waste** Study and characterize the municipal solid waste stream in Sabinas Hidalgo, Nuevo León. Analyze the generation of solid and "special management" of waste in six border municipalities in Nuevo Leon and recommend waste management approaches to the collection, temporary storage and final disposal of waste.	SDS Nuevo León and Municipio of Sabinas Hidalgo, Nuevo León	$47,000	Border 2020, BECC	Norma Rangel Sevilla, SDS, Nuevo León, normaarangel@gmail.com 0115281 20 33-19-38	Analyze the generation of solid and "special management" of six border municipalities and characterize the solid waste stream in Sabinas. Complete the study in 2015.	The study was finalized in June 2015. More details of the study will be provided at a later date.

Objective 3: By 2020, improve knowledge in every level of government (federal, state, local) to characterize and remediate contaminated sites.							
3.3.01	**Remediation Old Oxidation Lagoons** Complete the remediation of old oxidation lagoons in Piedras Negras.	Municipio de Piedras Negras and SEMA de Coahuila	$300,000	SEMA	Maria Teresa Molina, Municipio de Piedras Negras, teduada@hotmail.com	Complete the remediation of the remaining 10.3 acres by the end of 2013. The municipality will create extension	Prior to 2012, 19.7 acres of the 30-acre site had been remediated. Piedras Negras has not responded to inquiries about the project during 2013 and 2014.

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						of green area.	
3.3.02	**Scrap Tire Management Plan** Establish a sustainable management plan for scrap tires in Piedras Negras, Coahuila.	SEMA de Coahuila; Municipio de Piedras Negras	$400,000	SEMA	Oscar Flores oscar.flores@sema.gob.mx	Develop plan and place in full operation by the end of 2014	By mid-2013, SEMA determined they needed to perform a feasibility study on using coal pits as disposal sites for scrap tires. No information has been available since then.

Goal #4: Enhance Joint Preparedness for Environmental Response

Project N°	Project Title Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact	2015-2016 Target	Progress Towards Target
Objective 2: By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building.							
4.2.01	**Hazardous Materials First Responders Binational Training in McAllen-Mission-Pharr, TX and Reynosa, Tamaulipas**	City of McAllen Fire department	$75,000	Border 2020	Juan A Gloria Jr, Deputy Chief McAllen, jgloria@mcallen.net 956 681-2540		Maria Sisneros will provide information.
4.2.02	**Update Cross-Border Contingency Plan** Develop a cross-border contingency plan for the Solidarity Bridge, involving first responders from Colombia (Nuevo León), Nuevo Laredo (Tamaulipas), and Laredo (Texas), recognizing that Colombia, upstream from the other two cities, is much smaller and yet shipments of hazardous materials in the area are	Laredo Fire Department, Protección Civil de Nuevo Laredo, and CILA, CODEFRONT, and the City of Laredo	$0	EPA, COCEF, PROFEPA, and Protección Civil	Steve Landin Laredo Fire Department slandin@ci.laredo.tx.us 956-795-2150 Juan Ochoa Protección Civil Nuevo Laredo Juan.u8a@hotmail.c	Hold new meetings of the staff of the two cities in order to revisit the language of the draft revision and possibly develop alternative language and include Colombia in the plan.	The project is on hold because city council has not approved changes to language of the draft revision, intending to clarify that Laredo could not send personnel to respond to incidents across the border, but could assist in other ways.

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	currently directed to this bridge.				om 01152867 712-46-35		

Goal 6: Promote Cross-Cutting Efforts Related to Environmental Health & Environmental Education

Project N°	Project Title Description of Project	Collaborating Organizations	Anticipated Cost	Source(s) of funding	Points of Contact	2015-2016 Target	Progress Towards Target
Projects potentially related to some combination of air quality, water quality, water conservation, or waste management							
6.0.01	**Extension of Environmental Management Systems Program** Extend Tamaulipas' state program in promoting environmental management systems (SIMA) to more schools and government offices.	SEDUMA Tamaulipas	$ 300,000	EPA, SEDUMA/ SEMARNAT	Dra. Silvia Casas, SEDUMA, silvia.casas757@gmail.com	Reach out to 100% of the border cities.	SIMA enrolled more than 90 schools in Matamoros, Tampico, and Victoria. Each school held workshops on water, waste, and energy efficiency, reaching a total of 26,000 students. Schools received equipment i.e. low-flow water toilets, recycling containers, and energy-efficient light bulbs. SIMA trained 1,800 state employees in water conservation, energy efficiency, and recycling. State offices received water filters and energy-efficient light bulbs.
6.0.02*	**Planning of Health & Environmental Information Model Along TX-MX Border** The development of a conceptual framework for a bi-national environmental and health information repository. T	El Colegio de la Frontera del Norte	$39,875	Border 2020	Dr. Felipe Uribe, COCEF,	Identify required tools and capacities, compare existing systems, identify and recommend training or educational needs, and develop an	Maria Sisneros will provide information.

						indicator system to measure environmental health in the region.	
6.0.03*	**Promotora-Led Environmental Health Education for Children** Support the development of an integrated approach for educating families on the dangers of exposure to mercury, lead, and pesticides, especially the effects on respiratory health, specifically asthma. These modules will be used to provide training to heath promotoras, who subsequently will provide educational information in elementary schools, child care settings and to colonia residences.	La Amistad AHEC and Southwest Border AHEC	$69,083	Border 2020	Rosa Elvira Martinez Southwest Area Border Health Education Center rose.martinez@swbahec.org (830)758-1111	Conduct training and provide educational information on pesticide awareness to elementary schools and homes in colonias.	As of July, promotoras had conducted visits to two elementary schools and one head start to educate children on hazards related to pesticide exposure and household chemicals. Promotoras also conducted training on pesticide awareness in more than 30 homes and post-assessments in seven homes, with 23 of them expected to be evaluated in the fall of 2015.

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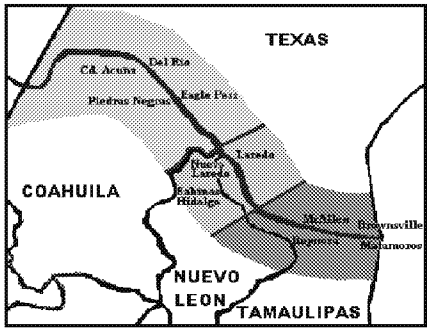
FRONTERA 2020

Plan de Acción 2013-2014

Grupo de Trabajo Regional TX-COAH-TAMP-NL

Agosto del 2015



El Grupo de Trabajo Regional de los Cuatro Estados es el más complejo de los cuatro grupos regionales, debido a su extensión geográfica y el número de municipios que lo integran. La región incluye partes de los tres estados y un total de por lo menos 29 municipios del lado mexicano y 168 ciudades y poblados del lado estadounidense. Reconociendo lo anterior, este grupo de trabajo se dividió en 3 Equipos de Trabajo con un enfoque geográfico: Amistad, Falcón, y del Golfo, cada uno de los cuales ha creado comités para temas específicos relacionados con sus prioridades.

Durante el primer semestre de 2015, los tres equipos de trabajo han mantenido reuniones para discutir las prioridades iniciales para el Plan de Acción 2015-2016, así como varias conferencias telefónicas de líderes se celebraron en junio de 2015 para desarrollar un consenso de las prioridades en cada equipo de trabajo y a nivel del grupo regional de trabajo.

Frontera 2020 tiene cinco metas y los grupos regionales de trabajo proponen proyectos para poner en práctica estos objetivos. A estos proyectos se les da un seguimiento a través de los planes de acción revisables cada dos años. La versión 2015-2016 es el segundo de su tipo. Varios proyectos han sido prorrogados del Plan de Acción 2013-2014, debido a un consenso por parte del grupo de trabajo de los cuatro estados, se incluyó una sexta meta para proyectos de salud y educación. Los proyectos son organizados por Frontera 2020 en metas y objetivos.

Prioridades Regionales

1. Mejorar la calidad del aire a través de los siguientes enfoques:
   a. Incrementar la eficiencia energética a nivel de consumo y el uso de energías renovables en todos los niveles pertinentes
   b. Analizar las emisiones y sus fuentes en cuencas atmosféricas específicas
   c. Estudio de los posibles efectos en la salud causados por el cambio climático
2. Mejorar la calidad del agua mediante la adopción de las siguientes medidas:
   a. Evaluar la parte de la cuenca del Río Bravo que se encuentra en esta región
   b. Establecer programas de aplicación de la ley para prevenir la contaminación de los cuerpos de agua en el lado mexicano
   c. Mejorar la infraestructura del agua en lo que respecta a los sistemas de tratamiento y distribución en las zonas rurales
3. Abordar los problemas de la disposición inadecuada de los residuos:
4. Ayudar a las comunidades a desarrollar capacidades para los flujos de residuos: mediante la implementación de reciclaje, recolección de residuos peligrosos y electrónicos domésticos y programas de disposición, y desarrollar planes integrales para la disposición de llantas de desecho y los mercados alternativos

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5. Ampliar la educación ambiental relacionada con el tema de los residuos
6. Mejorar la Preparación Conjunta para la Respuesta Ambiental
   a. Proveer entrenamiento HAZMAT a socorristas locales para reducir la exposición a sustancias químicas como resultado de la emisión de sustancias químicas accidentales y/o derrames.
   b. Coordinar ejercicios de mesa de preparación de respuesta a emergencias o ejercicios en campo

Prioridades de cada Equipo de Trabajo

Equipo de Trabajo Amistad

1. Generar planes para mitigar los impactos del cambio climático en Coahuila
2. Establecer estaciones de monitoreo de calidad del aire e intercambiar datos con Texas
3. Desarrollar una base de datos para medir las emisiones de las operaciones de fractura hidráulica en Coahuila
4. El aumento del uso de fuentes de energías alternativas y renovables (como el bio gas de relleno sanitario y energía solar)
5. Desarrollar programas de conservación y reutilización de agua para riego en Coahuila
6. Establecer programas de gestión de residuos en diez municipios de Coahuila (incluyendo residuos electrónicos, gestión de residuos peligrosos y su reciclaje)
7. Desarrollar y promover programas de gestión de llantas de desecho, reciclaje y residuos sólidos en la reservación Kickapoo

Equipo de Trabajo Falcón

1. Realizar un estudio sobre el uso del gas metano para la generación de energía en los rellenos sanitarios
2. El seguimiento de las operaciones de perforación en el Eagle Ford Shale y en el lado mexicano
3. Finalización del plan de contingencia transfronteriza
4. Generar estudios y proyectos para la reutilización y la conservación del agua
5. Desarrollar una gestión adecuada, mercados alternativos (como cortadores de neumáticos) y reglamentos para llantas de desecho
6. Establecer programas referentes a residuos electrónicos y residuos peligrosos domésticos en los municipios del Equipo de Trabajo Falcón
7. Desarrollar un estudio de diagnóstico en materia de generación y los mercados alternativos para residuos de la construcción en el Equipo de Trabajo Falcón
8. Desarrollar un taller de trabajo sobre las mejores prácticas relacionadas con la salud pública y los indicadores de educación ambiental

Equipo de Trabajo del Golfo

1. Programas para mejorar la eficiencia energética.
2. Educar a la comunidad sobre cómo mejorar la calidad del agua
3. Mejorar o desarrollar programas de gestión para el Pretratamiento Industrial, Grasas y Aceites, y aguas pluviales.
4. Aumentar la conciencia ambiental y la responsabilidad con respecto a los residuos sólidos y aguas residuales relacionados con los efectos sobre la salud en residentes de la ciudad, las comunidades rurales y colonias.
5. Capacitación para Promotoras en Viviendas Saludables a lo largo de la frontera de Estados Unidos-MX en el Equipo de Trabajo Golfo

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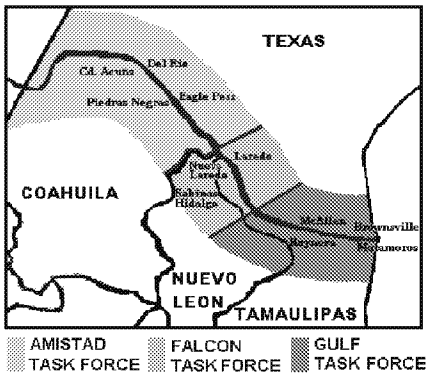
Frontera 2020

Esquema del Plan de Acción 2013-2014
del Grupo de Trabajo Regional de los Cuatro Estados

Leyenda:

- Actividad que abarca áreas de por lo menos dos Equipos de Trabajo
- Equipo de Trabajo del Golfo
- Equipo de Trabajo Falcón
- Equipo de Trabajo Amistad



META # 1: Reducir la contaminación del aire

Proyecto N°	Descripción del Proyecto	Organismos Colaboradores	Costo Estimado	Fuente(s) de Financiamiento	Contacto	Objetivo para 2015-2016	Avance del Proyecto "Objetivo"
Objetivo 1: Para el año 2020, reducir el número de vehículos que operan en la región fronteriza sin cumplir con las normas sobre emisiones vehiculares, y reducir las emisiones vehiculares en los puertos de entrada, aplicando medidas contra la marcha en vacío y otras medidas de reducción factibles.							
1.1.01	**Programa de Inspección Vehicular en Coahuila** Desarrollar el programa de inspección de vehículos de Coahuila, con la asistencia técnica con el Estado de Texas de acuerdo a su experiencia.	SEMA, Coahuila, COMIMSA, Municipio de Piedras Negras, Municipio de Acuña, TCEQ	$700,000	Municipios	Humberto Fuentes, SEMA/Coahuila, humberto.fuentes@coahuila.gob.mx	Inspeccionar el 40% de los vehículos en Acuña, Piedras Negras, y Monclova.	La implementación está en curso. La actual administración informa que no hay fondos estatales disponibles y todas las jurisdicciones son a nivel municipal. Acuña obtuvo el equipo a finales de 2014. Los funcionarios en Nava están identificando fuentes de financiamiento para la compra

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							de equipos.
1.1.02*	**Caracterización de las actividades y emisiones de Tracto Camiones de carga en la cuenca atmosférica Laredo-Nuevo Laredo.** Desarrollar una caracterización detallada de la actividad de acarreo (de corta distancia, en el transporte transfronterizo del estado) en la región de Laredo-Nuevo Laredo y sus implicaciones de calidad del aire	Texas A&M Transportation Institute	$89,750	Frontera 2020	Dr. Reza Farzaneh, TTI, Reza.Farzaneh@tamu.edu, (512) 467-0946	Recopilar información de la actividad en los vehículos de acarreo para estimar sus emisiones e impactos en la cuenca atmosférica de Laredo y Nuevo Laredo	TTI obtuvo los permisos por parte de la EPA, COCEF y la Texas A & M IRB para recolectar los datos de GPS de los vehículos de acarreo que operan en la región de Laredo-Nuevo Laredo. TTI reclutó a 20 operadores de camiones de acarreo y se recogió los datos de GPS. El personal de TTI está analizando los datos y determinando el impacto de las emisiones de los camiones.
1.1.03	**Emisiones de Tracto Camiones de Diésel en el Corredor Laredo – San Antonio** Encuesta de la actividad de Tracto camiones a diésel y evaluar las emisiones típicas de los Tracto camiones diésel mexicanos a lo largo del Corredor Laredo-San Antonio.	Texas A&M Transportation Institute	$100,000	EPA, TCEQ	Dr. Reza Farzaneh, TTI, Reza.Farzaneh@tamu.edu, (512) 467-0946	Recolección y análisis de datos. TTI presentará los resultados y el informe en Agosto.	En julio de 2015, el equipo de investigación presentó a la TCEQ un informe del avance y entregará finales de agosto el documento con los resultados.
Objetivo 5: Para el año 2020, reducir las emisiones y los impactos asociados por medio de la eficiencia energética y/o proyectos de energía alternativa o renovable							
1.5.01	**Plan de Acción Climática de Coahuila** Iniciar la Etapa 2 del Plan Estatal de Acción Climática (PEAC) de Coahuila: Cuantificación de las políticas públicas de mitigación seleccionadas en la Etapa 1.	Gobierno del Estado de Coahuila y COCEF	$275,000	COCEF	Tomás Balarezo, COCEF tbalarezo@cocef.org	Evaluación econométrica de las políticas públicas de mitigación seleccionadas en la Etapa 1.	Se estableció un Comité Intersecretarial ante el Cambio Climático (CICC), así como los Grupos de Trabajo Técnico (GTT) y el Grupo Consultivo (AG). Un consultor ha sido contratado, así como un coordinador local y expertos locales.
1.5.02	**Plan de Acción Climática de Tamaulipas** Iniciar la Etapa 2 del Plan Estatal de Acción Climática (PEAC) de Tamaulipas: Cuantificación de las políticas públicas de mitigación seleccionadas en la Etapa 1.	Gobierno del Estado de Tamaulipas y COCEF	$100,000	COCEF	Tomás Balarezo, COCEF tbalarezo@cocef.org	Selección de una serie de políticas públicas de mitigación priorizadas para el cambio climático.	Cinco grupos técnicos empezaron a trabajar en julio de 2012. En 2013-14, la estrategia estatal fue rediseñada. Se estableció un Comité Intersecretarial ante el Cambio Climático (CICC), así como los Grupos de Trabajo Técnico

							(GTT) y el Grupo Consultivo (AG). Un consultor ha sido contratado.
1.5.03	**Energía Eólica en Nuevo León** Investigar las posibilidades de aprovechamiento de la energía eólica para generar electricidad en Nuevo León	SDS (Secretaría de Desarrollo Sustentable de Nuevo León)	$10,000	Fondos Mexicanos Federales CONACYT	Norma Rangel , SDS Nuevo León, normaarangel@gmail.com 0115281 20 33-19-38	Instalar monitores de viento en las áreas seleccionadas en el Estado en el 2016.	La Secretaría de Desarrollo Sustentable en Nuevo León ha solicitado diversas subvenciones para obtener financiamiento para los monitores, pero no se han conseguido los fondos. Se presentará otra propuesta de subvención en el año 2015.
1.5.04	**Red de Calidad del Aire en Coahuila** Establecer una red de monitoreo atmosférico en la región de Piedras Negras-Nava, la región de Acuña, Sabinas, y Saltillo, Coahuila	SEMA (Coahuila), Municipio de Piedras Negras, Acuña, Nava, Sabinas, Saltillo	$1,400,000	SEMA Coahuila	Humberto Fuentes, SEMA/Coahuila, humberto.fuentes@coahuila.gob.mx	Contar con una red de monitoreo atmosférico en funcionamiento en las regiones de Piedras Negras-Nava, Acuña, Sabina, y Saltillo, Coahuila	La implementación ha comenzado, pero el término de finalización se ha extendido por dos o más años. En el 2013 SEMA comenzó a trabajar con las autoridades locales para incluir estos proyectos en los planes del sector "Zonas Metropolitanas". Una red se realizará en Saltillo en el 2015 y en Piedras Negras en el 2016.
1.5.05	**Modernización de Edificios Públicos en Coahuila** Aplicar tecnologías de modernización de edificios públicos en Piedras Negras y Acuña, Coahuila, para reducir el consumo de energía.	SEMA Coahuila, Municipio de Piedras Negras y Municipio de Acuña	$500,000	SEMA Coahuila	Alejandra Carrera, SEMA/Coahuila, alejandra.carrera@sema.gob.mx	Involucrar a los organismos municipales mediante una serie de talleres y seleccionar por lo menos 10 edificios para implementar en forma piloto tecnologías de modernización	Con la asistencia técnica de la COCEF, se realizaron talleres en diciembre de 2013 en Piedras Negras y Acuña, con la difusión de información sobre cómo los edificios públicos se podría hacer más eficientes energéticamente. No se dispone de información sobre si se están realizando los 10 proyectos piloto.
1.5.06	**Programa de Inspección de Emisiones Vehiculares** Diseñar e implementar programas o campañas de verificación de emisiones vehiculares en Tamaulipas.	SEDUMA Tamaulipas		SEDUMA, SEMARNAT	Ing. Humberto Rene Salinas, SEDUMA, seduma@tamaulipas.gob.mx	Tener un programa de verificación vehicular en la zona fronteriza del Estado a	Un programa piloto enfocado en la flotilla de propiedad estatal se inició a principios de 2013. La implementación esta suspendida, con la esperanza de que el programa para los

						finales de 2014.	vehículos privados puede ser iniciado en el año 2015.
1.5.07	**Sistema de Monitoreo Atmosférico** Fortalecer el Sistema de Monitoreo Atmosférico en Tamaulipas	SEDUMA Tamaulipas		SEDUMA, EPA, and COCEF	Ing. Humberto Rene Salinas , SEDUMA, seduma@tamaulipas.gob.mx	En el 2014, el Sistema operará al 100% con normas consistentes programáticas.	Ocho municipios cuentan con el equipo para el monitoreo del aire de partículas PM10 (Matamoros, Reynosa, Nuevo Laredo, Victoria, Mante, Tampico, Madero y Altamira). Actualmente, sólo tres de ellos tienen su red en funcionamiento (Nuevo Laredo, Victoria y Tampico).

Meta # 2: Mejorar el acceso a agua limpia y potable

Proyecto N°	Descripción del Proyecto	Organismos Colaboradores	Costo Estimado	Fuente(s) de Financiamiento	Contacto	Objetivo para 2015-2016	Avance del Proyecto "Objetivo"
Objetivo 2: Apoyar a los proveedores de servicios de agua y saneamiento de la región fronteriza en la implementación de prácticas de infraestructura sustentable, con el fin de reducir sus costos operativos, mejorar su eficiencia energética, y promover el uso eficiente del agua y la adaptación al cambio climático.							
2.2.01	**Actualizar la Infraestructura de la Red de Alcantarillado en Nuevo Laredo** Instalar / modernizar las redes de alcantarillado conectadas a la planta de tratamiento de aguas residuales de Nuevo Laredo, para evitar descargas contaminadas al Río Bravo.	COMAPA y Municipio de Nuevo Laredo	$5,000,000	North American Development Bank (NADB)	CP Delfino González COMAPA dgcdelfino@comapanuevolaredo.gob.mx	Terminar el proyecto para Enero de 2015.	COCEF certificó el proyecto en septiembre de 2012. De las cinco líneas de alcantarillado, uno se completó a mediados de 2014. Los cuatro colectores restantes estaban en reparación y descargan aproximadamente 1,6 MGD al sistema de aguas pluviales. Otro punto de descarga fue identificado por la COMAPA en el Arroyo La Joya y será reparada.
2.2.02*	**Material Ideal para la Filtración Biológica en el Manejo de Tormentas**	University of Texas Pan American	$26,022	Frontera 2020		El prototipo del Canal de Filtración Biológico se	Maria Sisneros remitirá información.

	Identificar el mejor material disponible localmente para su uso en el bio canal de filtración en el Bajo Valle del Río Grande & Sur de Texas					pondrá a prueba en un estacionamiento de nueva construcción en el campus de la UT Pan American.	
2.2.03*	**Gestión de las Grasas y Aceites en Nuevo Laredo** Reducir la concentración de grasas y aceites en los efluentes de las descargas en restaurantes, hoteles y la Industria en la red de Nuevo Laredo.	Comisión Municipal de Agua Potable y Alcantarillado, Nuevo León.	$32,533	Frontera 2020	Ing. Juan Carlos Pérez Faz, COMAPA Nuevo Laredo, jcarlos_faz@hotmail.com 01152867 717-24-44	Realizar Talleres de Trabajo y seguimiento con los establecimientos comerciales en la implementación del Programa de Manejo de Grasas y Aceites.	COMAPA organizó talleres para educar a los establecimientos comerciales y residentes en las mejores prácticas. El primer taller se realizó en marzo, en el que aproximadamente 160 participantes aprendieron acerca de las regulaciones en materia de grasas/aceites y su eliminación adecuada. Dos talleres se llevaron a cabo en abril para discutir las lecciones aprendidas y dar seguimiento al programa de manejo de grasas/aceites implementado por los establecimientos en sus instalaciones, con aproximadamente 200 establecimientos. Dos talleres adicionales se realizarán en junio y agosto.
Objetivo 3: Trabajar en el ámbito binacional para identificar y reducir la contaminación de las aguas superficiales en cuencas o cuerpos acuíferos transfronterizos.							
2.3.01	**Ecosistemas en Cuerpos de Agua en Coahuila** Diseñar e implementar campañas locales de conservación y acuerdos de conservación de tierras para Río San Rodrigo y Arroyo Las Vacas, quienes son afluentes del Río Bravo.	SEMA Coahuila, Municipio de Piedras Negras y Municipio de Acuña	$400,000	Estado de Coahuila y Frontera 2020	Alejandra Carrera, SEMA/Coahuila alejandra.carrera@sema.gob.mx	Implementar campañas y concluir un acuerdo de conservación de suelos para finales de 2014.	SEMA obtuvo financiamiento de la EPA a través de la COCEF en la primavera de 2014 para restaurar y conservar el Arroyo de Las Vacas. SEMA desarrolló una sociedad con la TCEQ, Cd. Acuña, instituciones académicas, y la UT Austin. SEMA y la COCEF finalizaron el plan de trabajo y están desarrollando el plan de aseguramiento de calidad del

							proyecto. En octubre de 2014 en Cd. Acuña la SEMA celebró una corte de listón en el proyecto de Arroyo de Las Vacas y una ceremonia de firma de colaboración sobre la conservación de la tierra.
2.3.02	**Eliminar Plantas Invasivas** Implementar un programa para eliminar plantas invasoras en el Río Bravo.	SEMA Coahuila, CONANP, PROFAUNA	$85,000	SEMA (Coahuila), CONANP, PROFAUNA	Alejandra Carrera, SEMA Coahuila alejandra.carrera@sema.gob.mx	Para finales de 2014, ampliar el programa de eliminación de especies invasoras en el Río Bravo	Sin avances, no se había realizado a mediados de 2013. No hay información disponible desde entonces.
2.3.03	**Iniciativa Binacional de Calidad del Agua en el Bajo Río Bravo** Implementar una iniciativa binacional del Río Bravo en materia de Calidad del Agua (de Falcón hasta el Golfo) que caracteriza el estado del río, desarrollando un plan estratégico para mejorar las condiciones ambientales, y propone un plan de monitoreo para documentar el progreso.	TCEQ, EPA, IBWC, CILA, CONAGUA, y Agencias de los Gobiernos Federal, Estatal, y Local		TCEQ, EPA, IBWC, CILA, CONAGUA, y Agencias de los Gobiernos Federal, Estatal, y Local	Kelly Holligan ,TCEQ, 512-239-2369 Kelly.holligan@tceq.texas.gov		En marzo el Grupo Binacional de Trabajo Técnico de la LRGWQI llevó a cabo la primera de las cuatro encuestas de calidad del agua binacionales programadas para el proyecto. También desarrollaron un archivo preliminar de datos de un modelo de calidad del agua en estado estacionario del Río Grande / Río Bravo (Presa Falcón al Golfo de México).
2.3.04*	**Conservación del Arroyo Las Vacas** Diseñar e implementar acciones para mejorar la calidad del agua y promover un hábitat adecuado para especies de flora y fauna en el Arroyo de Las Vacas.	Ciudad Acuna Dirección de Ecología SEMA Coahuila	$44,200	Frontera 2020	Lic. Alejandra Carrera, Secretaria de Medio Ambiente de Coahuila alejandra.carrera@sema.gob.mx 01152844 410-0014	Implementar acciones para mejorar la calidad del agua y promover un hábitat adecuado para especies de flora y fauna en arroyo Las Vacas.	SEMA llevó a cabo un estudio de diagnóstico de las condiciones ambientales y áreas de oportunidad. SEMA colaboró con la Dirección de Ecología de Acuña y el Instituto Tecnológico Superior de Acuña (ITSA), para recopilar datos de calidad de agua e identificar las fuentes de contaminación, y llevar a cabo actividades de limpieza. La TCEQ y la Escuela LBJ en UT Austin organizaron un intercambio técnico con los estudiantes del ITSA y funcionarios de la SEMA en

							mayo. En septiembre, una capacitación está prevista para el monitoreo binacional de calidad del agua, la comparación de datos, técnicas de muestreo, etc.

Meta # 3: Promover la gestión integral de materiales, la gestión de residuos y sitios limpios

Proyecto N°	Descripción del Proyecto	Organismos Colaboradores	Costo Estimado	Fuente(s) de Financiamiento	Contacto	Objetivo para 2015-2016	Avance del Proyecto "Objetivo"
Objective 1: By 2020, increase local and state-level knowledge and experience in the area of sustainable material management practices.							
3.1.01	**Programa Escuelas Verdes SEMARNAT** Enlazar y promover el programa federal mexicano "Escuelas Verdes" en los tres estados mexicanos de la región y estudiar su posible uso en Texas	SEMARNAT Tamaulipas e instancias Estatales en Tamaulipas, Nuevo León y Coahuila		SEMARNAT	Delfino Ramirez (SEMARNAT/Tamaulipas) Delfino.ramirez@semarnat.tamaulipas.gob.mx	Llegar a 150 escuelas en los 3 estados mexicanos para julio de 2013 Celebrar una reunión de intercambio de información con Texas en 2014	SEMARNAT implementó el programa con mucho éxito en Tamaulipas y de forma muy limitada en Coahuila. A mediados de 2013 en Tamaulipas, 135 escuelas se habían registrado en el programa, 33 en Nuevo Laredo, 50 en Reynosa, y 9 en Matamoros.
3.1.02	**Programa de Educación Ambiental en Nuevo Laredo** Establecer una organización ambiental para desarrollar programas de sensibilización ambiental y de limpieza en Nuevo Laredo en la afiliación con Keep America Beautiful.	Keep Laredo Beautiful, Keep America Beautiful, y el Municipio de Nuevo Laredo		Socios La Ciudad de Laredo Depto. de Servicios Ambientales y Keep America Beautiful	Lynne Nava, Keep Laredo Beautiful lnava1@ci.laredo.tx.us 956-794-1650	Establecer una organización ambiental afiliada con Keep America Beautiful en el 2016.	Keep Laredo Beautiful se reunirá con funcionarios de la Universidad Tecnológica de Nuevo Laredo en agosto para discutir el proyecto y preguntar acerca de su interés en el establecimiento de una organización ambiental a través de Keep America Beautiful. Keep Laredo Beautiful se ha comprometido a pagar las cuotas de afiliación por un año para la organización de estar afiliado a Keep America Beautiful.
3.1.03*	**Keep Pharr Beautiful**	Departamento de	$20,000	Frontera 2020	Grace Gonzalez, Pharr	Reducir los	Maria Sisneros remitirá

	Campaña de Limpieza Apoyo a los programas de limpieza mensuales deKeep Pharr Beautiful con una fuerte difusión pública.	Servicios Públicos, Ciudad de Pharr			Departamento de Servicios Públicos grace.gonzales@pharr-tx.gov	tiraderos clandestinos en los sectores residencial e industrial y alentar a los residentes a tomar responsabilidad por la conservación de sus comunidades.	información.
3.1.04*	**El Equipo de Reciclaje Alamo Nos Incluye a Todos** Implementar "Alamo's Recycling TEAM Includes Everyone" (ARTIE), quien se esfuerza por mejorar la gestión de los residuos sólidos en la ciudad	City of Alamo	$54,838	Border 2020	Melissa Gonzales Ciudad del Álamo	Aumentar los esfuerzos del reciclaje por lo menos el 25%. Aumentar la conciencia de la contaminación no puntual y soluciones, estableciendo alianzas que promuevan el cuidado del medio ambiente.	Maria Sisneros remitirá información.
Objetivo 2: Para el año 2014, identificar flujos de residuos prioritarios y para el año 2020, desarrollar prácticas para la gestión sustentable de materiales que a su vez fortalezcan su respectivo valor en el mercado.							
3.2.01	**Uso de la Composta en Nuevo Laredo** Desarrollar un proceso de compostaje en Nuevo Laredo utilizando los lodos procedentes de los desechos de las plantas de tratamiento de aguas residuales, y aplicar el producto en los parques municipales, así como en los hogares (a través de su	COMAPA y el Municipio de Nuevo Laredo		Municipio de Nuevo Laredo	Delfino González C.P., COMAPA, dgcdelfino@comapanuevolaredo.gob.mx ,	Firman contrato con el municipio para la compra de equipo para la generación de composta, y vender a los establecimientos comerciales.	

	venta a los propietarios).No hay información						
3.2.02	**Programa de Manejo de Llantas de Desecho** Diseñar e implementar un programa de manejo para las llantas de desecho y su valorización.	SEDUMA Tamaulipas	$ 400,000	SEDUMA, SEMARNA, EPA	Ing. Humberto Rene Salinas , SEDUMA, seduma@tamaulipas.gob.mx	Desarrollo de una Política Pública y un Plan de Manejo de Llantas de Desecho.	El Proyecto está pendiente.
3.2.03	**Valor Energético de Residuos en Tamaulipas** SEDUMA evaluará las formas para la recuperación de energía de los residuos y sus usos	SEDUMA	$300,000	EPA	Ing. Humberto Rene Salina, SEDUMA, seduma@tamaulipas.gov.mx	El Plan de Acción estará terminado a finales de 2014.	El Proyecto está pendiente.
3.2.04	**Caracterización de Residuos Sólidos Urbanos, Corrientes y Diagnóstico en cuanto a la Generación / Gestión de Residuos** Estudiar y caracterizar el flujo de residuos sólidos urbanos en Sabinas Hidalgo, Nuevo León. Analizar la gestión de la generación de residuos sólidos y "manejo especial" en seis municipios fronterizos de Nuevo León y recomendar el manejo de los residuos referente a la recolección, el almacenamiento temporal y disposición final.	SDS Nuevo León y el Municipio de Sabinas Hidalgo, Nuevo León	$47,000	Frontera 2020 COCEF	Norma Rangel Sevilla, SDS, Nuevo León, normaarangel@gmail.com 0115281 20 33-19-38	Analizar la generación de residuos sólidos y de "manejo especial" en los seis municipios fronterizos y caracterizar el flujo de residuos sólidos en Sabinas. Completar el estudio en 2015.	El estudio se finalizó en junio de 2015. Más detalles del estudio serán proporcionados en una fecha posterior.

Objetivo 3: Para el año 2020, mejorar el conocimiento en todos los niveles de gobierno (federal, estatal y municipal) para la caracterización y el saneamiento de sitios contaminados.							
3.3.01	**Remediación de Lagunas de Oxidación**	Municipio de Piedras Negras y SEMA Coahuila	$300,000	SEMA	Maria Teresa Molina, Municipio de Piedras Negras, teduada@hotmail.com	Terminar la remediación de las 4.17 Ha	Antes de 2012, se habían remediado 7.97 Ha del sitio de las 12.14 Ha. contempladas

	Terminar la remediación de las antiguas Lagunas de Oxidación en Piedras Negras.					restantes antes de finales de 2013. El municipio creará una extensión de área verde.	Piedras Negras no ha respondido a las preguntas sobre el proyecto durante 2013 y 2014.
3.3.02	**Plan de Manejo de Llantas de Desecho** Establecer un Plan de Manejo Sustentable para las llantas de desecho en Piedras Negras, Coahuila.	SEMA, Coahuila, Municipio de Piedras Negras	$400,000	SEMA	Oscar Flores oscar.flores@sema.gob.mx	Desarrollar un plan y el sitio para sufuncionamiento a finales de 2014	A mediados de 2013, la SEMA determinó que necesitaban llevar a cabo un estudio de viabilidad sobre el uso de minas de carbón como sitios de disposición final de llantas de desecho. No hay información disponible desde entonces.

Meta #4: Optimizar la preparación conjunta de respuesta ambiental

Proyecto N°	Descripción del Proyecto	Organismos Colaboradores	Costo Estimado	Fuente(s) de Financiamiento	Contacto	Objetivo para 2015-2016	Avance del Proyecto "Objetivo"
Objetivo 2: Para el año 2020, por lo menos ocho (8) de los planes conjuntos de contingencia de las ciudades hermanas serán complementados con actividades relacionadas con preparación y prevención, como certificación de la capacitación, análisis de riesgo, y/o desarrollo de capacidades.							
4.2.01	**Entrenamiento Binacional en Atención a respuesta a emergencias en materia de Materiales Peligrosos en McAllen-Mission-Pharr, TX y Reynosa, Tamaulipas**	Ciudad de McAllen Departamento de Bomberos	$75,000	Frontera 2020	Juan A Gloria Jr, Deputy Chief McAllen, jgloria@mcallen.net 956 681-2540		Maria Sisneros remitirá información
4.2.02	**Actualización del Plan de Contingencias Transfronterizo** Desarrollar un plan de contingencia transfronterizo para el Puente Solidaridad, con la participación de respuesta a emergencias de Colombia	Departamento de Bomberos de Laredo, Protección Civil de Nuevo Laredo, CILA, CODEFRONT, y la Ciudad de Laredo	$0	EPA, COCEF, PROFEPA, y Protección Civil	Steve Landin Departamento de Bomberos de Laredo slandin@ci.laredo.tx.us 956-795-2150	Establecer nuevas reuniones con el personal de las dos ciudades con el fin de revisar el lenguaje del proyecto de revisión y posiblemente	El proyecto está en espera debido a que el Ayuntamiento no ha aprobado los cambios en el lenguaje del proyecto de revisión, con la intención de aclarar que Laredo no pudo enviar personal para responder a los incidentes en la frontera,

	(Nuevo León), Nuevo Laredo (Tamaulipas) y Laredo (Texas), reconociendo que Colombia, aguas arriba de las otras dos ciudades, es mucho más pequeño y, sin embargo los envíos de materiales peligrosos en la zona se dirigen actualmente a este puente.				Juan Ochoa Protección Civil Nuevo Laredo Juan.u8a@hotmail.com 01152867 712-46-35	desarrollar un lenguaje alternativo e incluir a Colombia en el plan.	pero podría ayudar de otras maneras.

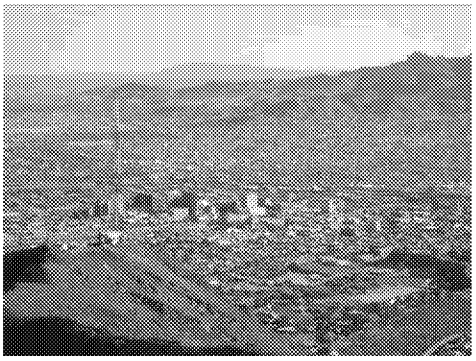
Goal 6: Promover esfuerzos transversales relacionados con la Salud y Educación Ambiental

Proyecto N°	Descripción del Proyecto	Organismos Colaboradores	Costo Estimado	Fuente(s) de Financiamiento	Contacto	Objetivo para 2015-2016	Avance del Proyecto "Objetivo"
Projects potentially related to some combination of air quality, water quality, water conservation, or waste management							
6.0.01	**Ampliación del Programa de Sistemas de Gestión Ambiental** Extender el programa Estatal de Tamaulipas en la promoción de sistemas de gestión ambiental (SIMA) a más escuelas y oficinas de gobierno.	SEDUMA Tamaulipas	$ 300,000	EPA, SEDUMA/ SEMARNAT	Dra. Silvia Casas, SEDUMA, silvia.casas757@gmail.com	Llegar a 100% de las ciudades fronterizas.	SIMA enroló a más de 90 escuelas en Matamoros, Tampico y Victoria. Cada escuela llevó a cabo talleres en materia del agua, residuos, y la eficiencia energética, alcanzando un total de 26.000 estudiantes. Las Escuelas recibieron equipamiento como, inodoros de bajo flujo de agua, contenedores para reciclaje, y focos de bajo consumo. SIMA ha entrenado a 1800 empleados del Estado en la conservación del agua, la eficiencia energética, y el reciclaje. Oficinas Estatales recibieron filtros de agua y focos de bajo consumo.
6.0.02*	**Modelo de Información para la Planificación de la Salud y Medio Ambiente a lo largo de la frontera Texas-**				Dr. Felipe Uribe COCEF	Identificar las herramientas y capacidades	Maria Sisneros remitirá información.

	MX El desarrollo de un marco conceptual para un banco de información ambiental y de salud binacional.	El Colegio de la Frontera del Norte	$39,875	Frontera 2020		necesarias, comparar los sistemas existentes, identificar y recomendar las necesidades de formación y de aprendizaje, y desarrollar un sistema de indicadores para medir la salud ambiental en la región.	
6.0.03*	**Educación para la Salud Ambiental para Niños a través de Promotoras** Apoyar el desarrollo de un enfoque integrado para educar a las familias sobre los peligros de la exposición al mercurio, plomo y pesticidas, particularmente los efectos sobre la salud respiratoria, especialmente asma. Estos módulos se utilizarán para proporcionar capacitación a promotoras de salud, que posteriormente proporcionarán información educativa en las escuelas primarias, centros de atención infantil y áreas rurales.	La Amistad AHEC and Southwest Border AHEC	$69,083	Frontera 2020	Rosa Elvira Martinez Southwest Area Border Health Education Center rose.martinez@swbahec.org (830)758-1111	Llevar a cabo la capacitación y proporcionar información educativa sobre la conciencia de pesticidas en las escuelas primarias y zonas rurales.	A partir de julio, las promotoras habían realizado visitas a dos escuelas primarias y comenzaron la educación a los niños sobre los riesgos relacionados con la exposición a plaguicidas y productos químicos de uso doméstico. Las promotoras también llevaron a cabo capacitación sobre la conciencia de pesticidas en más de 30 casas y realizaron una evaluación posterior en siete casas, 23 de ellos se espera que sea evaluado en el otoño de 2015.

EPA Region 6: US-MX Border 2020 Program Newsletter

EL PASO BORDER OFFICE REGIONAL RESTRUCTURE



View of City of El Paso Texas.

In October 2015, the El Paso Border Office was restructured and joined with the Office of Environmental Justice and Tribal Affairs to become the Office of Environmental Justice, Tribal and International Affairs (OEJTIA). The OEJTIA works closely with communities to facilitate culturally sensitive communication, find solutions, or reduce environmental challenges.

The Environmental Justice (EJ) program's goal is to ensure that all people are protected from disproportionate impacts of environmental hazards by working with and on behalf of impacted communities. The U.S.-Mexico Border program honors commitments for joint U.S. and Mexico responsibility under the La Paz Agreement for protection of the environment and public health in the border region. The Tribal Affairs program serves 66 federally recognized Tribes on a government-to-government basis, consistent with their inherent sovereignty, to resolve environmental concerns. The OEJTIA also administers the General Assistance Program (GAP) that awards grants to tribes; implements the Border 2020 plan; and administers the EJ2020 plan throughout Region 6.

MANAGING AIR QUALITY ON OUR U.S. - MEXICO INTERNATIONAL BORDER: THE JOINT ADVISORY COMMITTEE (JAC) FOR AIR QUALITY IMPROVEMENT" HELD ITS 66TH MEETING

The Paso del Norte (PdN) region located where Texas, New Mexico, and Chihuahua meet, encompasses Ciudad Juárez, Chih. El Paso, TX and Doña Ana County, NM and forms a single metropolitan area separated by an international border, where thousands of people cross daily making it one of the busiest U.S. Port of Entries; while united by common cultural, historical, and economic factors. PdN residents have suffered serious air pollution problems taking a heavy toll on the region's environment.

After decades of frustration, many express optimism and have seen real progress in the fight to improve air quality due in part by efforts from the JAC. The JAC comprised of a group of concerned citizens that include government officials, environmentalists, business leaders, and non-governmental organizations, acknowledged that air pollution, regardless of its orgin, affects everyone. The JAC is committed on reducing air pollution in the PdN region and improving air quality by developing constructive policies and programs that aim to significantly improve the region's air quality.

Conventional state and federal environmental policies are hindered by political boundaries, but because pollution does not stop at the border, the JAC has pushed for a regional approach to address the air quality problem. Through successful efforts Paso del Norte residents are now able to engage government regulators and develop cooperative strategies to improve air quality throughout the international air basin.

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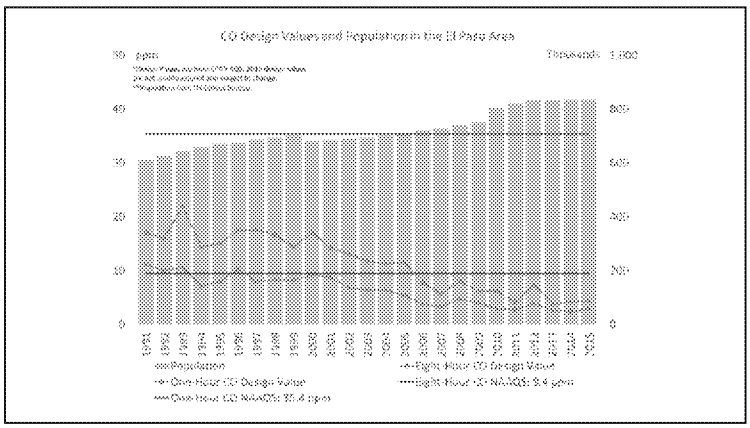
"MANAGING AIR QUALITY ON OUR U.S. - MEXICO INTERNATIONAL BORDER…JAC" Cont'd

Key Factors are responsible for the success of the Paso del Norte JAC, which for the most part, cannot be reduced to a single formula, however, there are several binational tasks that have been identified as key factors that might be useful to others interested in establishing a similar community-based organization.



Carbon Monoxide levels from 1991-2015 in El Paso Texas.

1. From its inception, members held a common understanding of the problem and shared a common objective: to improve air quality.
2. Getting the right people involved, early in the process; government, business, and civic leaders that could make things happen.
3. Focus on finding solutions rather than assessing blame; members shall adopt the philosophy that air pollution is a common problem requiring solutions.
4. Set goals and objectives early that have both short and long term objectives. Short term objectives are important so the group can have a sense of accomplishment. Long term goals and objectives also help keep the group focused because some problems cannot be solved very quickly.
5. Encourage members to stay involved, because the endeavor is an inclusive organization, allowing anyone interested in finding solutions to the air pollution problem to join.
6. During initial meetings, brainstorming sessions are held to solicit input from members of the community that resulted in members becoming stakeholders in the success of JAC's projects.
7. Good timing. As a result of North American Free Trade Agreement (NAFTA), the border received increased attention from both the U.S. and Mexican governments. Environmental concerns led to a commitment to reducing pollution in the border region.
8. Patience is critical to establishing new organizations.

Over 50 Bi-national stakeholders attended the May 2016 Meeting.

On May 12, 2016 the JAC, chaired by U.S. Environmental Protection Agency 's (EPA), Mark Hansen, and the Mexican Environment and Natural Resources Secretariat's (SEMARNAT), Ana Patricia Martinez, along with the other JAC members and stakeholders, celebrated the 20th anniversary of the creation of the establishment of the JAC. "This group continues to be a model for binational cooperation and border communities," said EPA Region 6 Regional Administrator Ron Curry, adding that "…area residents should be proud of local leaders for their commitment to bring healthier air to their children and families."

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Paso del Norte Water Taskforce Workshop

PDNWTF attendees

On May 20th, 2016, the Border 2020 Water Taskforce in conjuction with the Paso del Norte Water Taskforce (PDNWTF) held a joint workshop in El Paso, Texas at the University of Texas at El Paso. The workshop served as part of an effort to re-convene the PDNWTF which originally formed in 1998 in an effort to bring stakeholders together to work cooperatively on a regional approach for future planning and discussion of water sources in the region, and to help assure water quality and availability within the Paso del Norte Region.

Much like the Border 2020 Water Taskforce, which was created to identify water issues of the highest priority in the region, the workshop was held to bring key bi-national stakeholders to discuss cooperative alternatives for managing the water in the region. The region's water currently faces a number of threats, one of which includes the possibility for greater demand and less availability of water due to diverse factors.

Prior to the workshop, members of the PDNWTF in conjuction with Texas A&M Kingsville conducted a survey of stakeholders in the region which included irrigation districts, water utilities, water governance institutions, water planning agencies as well as other water stakeholders to gather feedback on current methods of water management practices. The purpose of the survey was to document how stakeholders: 1) currently address changing hydrologic conditions; 2) plan to operate under a scenario of future water shortage; and 3) envision a sustainable water future for the PdN segment of the Rio Grande/Bravo.

About 50 bi-national stakeholders attended the workshop in El Paso, Texas. Both commissioners for the US and Mexican Sections of the International Boundary and Water Commission (IBWC/CILA) gave opening remarks. UTEP President, Dr. Diana Natalacio, spoke during the lunch session. Brief expert report presentations were given on: 1) 2030 Projected water supply and demand in the PdN segment of the Rio Grande/Bravo for Mexico, Texas and New Mexico; 2) 2030 Projected population growth in the PdN; 3) How climate change and variation are reducing surface water supply; 4) How reservoir sedimentation reduces Elephant Butte storage volume; 5) Results of the stakeholder survey on water management practices and 6) Next steps for the PDNWTF.

During the final session of the workshop, attendees voted on the next steps to which the PDNWTF priorities should focus on engaging stakeholders. Approximately 14% of the atteendees agreed that focusing on technology was the top priority, followed by Governance (i.e. cross-border both state and internationally) at 13% and then conservation efforts, primarly from irrigation district efforts but not excluding municipal, on-farm practices and river management. The table below lists all of the next step as voted on by attendees.

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Paso del Norte Water Taskforce Workshop cont'd

STRATEGY	VOTES	%
Reuse	11	5.2%
Economic Incentives	18	8.6%
Education	22	10.5%
Environment	16	7.6%
Legal/Regulatory	15	7.1%
Engagement	24	11.4%
Governance	28	13.3%
Green Infrastructure	20	9.5%
Technologies	29	13.8%
Conservation	27	12.9%

Results on Priorities for PDNWTF

DISPOSAL OF SCRAP TIRES UNDER STATE & LOCAL GOVERNMENT CONTROL: *A SUCCESSFUL EXAMPLE OF BINATIONAL COOPERATION. – Rethinking scrap tires as a resource and not a waste, through a binational cross border business driven approach.*

Cuidad Juárez was home to the largest scrap tire pile on the U.S.-Mexico border, estimated to have had more than six million tires in 2004, creating a permanent risk of fire, insect and rodent borne diseases and death. Currently this site, emblematic of the scrap tire problem on th border, is virtually clean as a result of a coordinated effort by the Cuidad Juárez and other stakeholders.

A successful example of a binational cooperation is the Paso del Norte Tire Advisory Committee (TAC), spearheaded in 2014 by the Texas Commission on Environmental Quality (TCEQ), EPA Region 6 in Dallas, and the State of Texas Alliance for Recycling (STAR), with support from the Rubber Manufacturers Association (RMA).

Ciudad Juárez Tire Pile prior to Border 2020 Program

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Scrap Tires Cont'd

As an important deliverable under the Border 2020 program and utilizing the Public-Private Partneship (PPP) approach, the TAC assembled binational workgroups to rethink scrap tires as a resource -- not a waste. The TAC developed actions to effectively manage scrap tires as a binational resource in the Paso del Norte region that can serve as a model for other regions. This creative approach created a forum and gave voice to a diverse group of participants and experts from the scrap tire community, including elected officials, NGOs, the tire industry, processing and recycling companies, and government officials from local, state, and federal offices. Active participants include the Environmental Protection Agency (EPA), the TCEQ, Mexico's Secretariat of the Environment and Natural Resources (SEMARNAT the Border Environment Cooperation Commission (BECC), the North American Development Bank (NADB), Grupo Cementos de Chihuahua (GCC), and other Public-Private Partnership (PPP) members, such as nongovernment organizations theUnion Ecologica de Juárez, A.C. and the State of Texas Alliance for Recycling (STAR), as well as the Rubber Manufacturers Association (RMA), a private industry association.

Scrap tires, mostly converted into piles of shredded tires, best describe final disposal in border communities. Local governments in Texas, New Mexico, and Chihuahua, being the public entities nearest to citizens, are ideal parties to secure a real and true final disposal of scrap tires, including disposal that may occur outside their jurisdictions, across international and state borders, under appropriate environmental international rules and regulations. The un-checked flow of scrap tires across multiple jurisdictions underlines the importance of the TAC. The issue of scrap tire collection, storage, shredding and final disposal is one that requires financial collaboration of all involved stakeholders: the consumers, the generators, the transporters, the solid waste - environmental departments of local governments, state regulatory agencies, and private sector recyclers/shredders.

The TAC continues carrying out activities and outcomes with a PPP approach by moving forward on four strategic goals:

1. Fair and effective enforcement
2. Develop end markets
3. Secure funding
4. Legislative

The leadership team recruited stakeholders which formed into workgroups to address each of the four strategies. Each workgroup created an action plan to guide them in the short and long term, all the time developing a business plan that may serve as a template for a public-private partnership in managing used tires, keeping at all time a business theme: "Rethink scrap tires as a resource -- not a waste.

Carlos Rincon is working closely with Ciudad Juárez's entrepreneurial stakeholders, known as Union Ecológica de Juárez, A.C., a group that for the last two years has carried out a domestic business plan for shredding tire piles in northern states of Mexico, especially Chihuahua. Ciudad Juárez's business partners have accumulated infrastructure and a contract with a Mexican consortium of cement plants capable of processing and reclaiming more than 5,000 shredded used tires per day and are looking into the New Mexico and Texas used tire piles and new tire shops to legally transport discarded used tires for disposal in cement factories in northern Mexico.

Illegal Scrap Tire Pile in Cuidad Juárez

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Scrap Tires Cont'd

Members of the TAC and stakeholders for each of the four strategic goals meet quarterly in moving forward with tasks and actions that each strategic goal has established. The next meeting is in Las Cruces on August 18.

Making a Visible Difference (MVD): Anthony, New Mexico

February 23-24, 2016 Attendees Workshop

EPA developed the Making a Difference (MVD) Initiative to "work each and every day - hand-in-hand with other federal agencies, states, tribes and local communities - to improve the health of American families and protect the environment one community at a time, all across the country to better support the efforts of communities, especially those that are environmentally overburdened, underserved, and economically distressed. " The City of Anthony, formed in 2010, is in the early stages of community development planning. The city does not own any of its utilities, and lacks adequate zoning and subdivision regulations as well as recreational facilities. The city hopes to have green components installed to detain flows and remove sediment to deal with flooding issues. EPA will work with the community to assist with the development of sustainable municipal services and infrastructure by fostering partnerships and leveraging resources from other federal, state and local agencies.

The City of Anthony received Technical Assistance under the Office of Sustainable Development (OSD) Program's Building block tool which consisted of the Sustainable Strategies for Small Cities and Rural Areas Technical Assistance workshop. Three conference calls between the City of Anthony, OSD, and the El Paso Border office staff members were conducted to finalize the plans for the technical assistance workshop in addition to a self-assessment completed by Anthony staff. On February 23-24, 2016 the Sustainable Strategies for Small Cities and Rural Areas workshop was brought to Anthony. The Mayor and staff gave a tour of Anthony, highlighting their vision for Anthony which was followed by a community meeting.

View of Main street in Anthony, New Mexico

The second day consisted of the actual workshop focused on identifying and revitalizing the down's main street, strengthening the local economy, providing housing options and efficient infrastructure. The final product was a Next Steps Memorandum for the Sustainable Strategies for Small Cities and Rural Areas will serve as an action plan for the City of Anthony to use as a guide for moving forward in their city growth. Attendees included representatives from Housing and Urban Development (HUD), Senator Udall's office, Senator Heinrich's office, NGO's, and EPA R6 staff members Arturo Blanco, Carlos Rincon, Maria Sisneros and Debra Tellez.

Elections for the City of Anthony were held shortly after the workshop. Debra Tellez met with the newly elected Anthony

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Making a Visible Difference (MVD): Anthony, New Mexico Cont'd

Mayor March 31st to brief her on the Making a Difference Initiative, Building Blocks workshop and to get her vision for the City of Anthony as other initiatives are pursued.

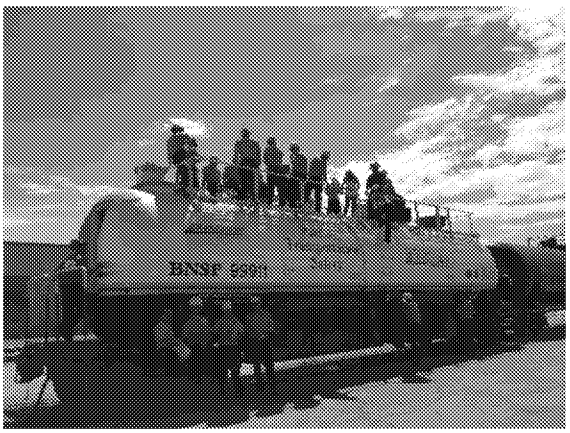
A coordinated effort between Rio Grande Council of Governments along with EPA R6 staff members (Debra Tellez, Nelly Smith, Susanna Perea, and Tom Ruiz) and the Mayor of Anthony assisted the City of Anthony into submitting a letter of interest for the next phase of the Office of Sustainable Communities Smart Growth Program. SGIA offers technical assistance to communities wanting to incorporate smart growth in their development. The City of Anthony was seeking assistance in creating an Economic Development Growth council and assistance with architectural and infrastructure design of its main street and implement the actions from the Feb 2016 Building Blocks Anthony Workshop. In order to identify lessons learned and best practices that will guide the agencies work in communities going forward, OSD created a more consistent reporting framework to help convey the story of Making a Visible Difference efforts and better measure the effectiveness of the MVD approach. Debra Tellez captured all project, partner, and status information on the Anthony MVD program to input into the database.

Emergency Response: Hazardous Rail Car Leak Mitigation El Paso/Juárez/Doña Ana County Project

The City of El Paso received a Border 2020 Grant of $30,000 in 2015, to increase preparedness and response involving hazardous railcar leak incidences in the Paso del Norte region. Hazardous rail cargo crosses the international boundary via the "Black Bridge" between El Paso, Texas and Ciudad Juárez, Chihuahua, Mexico. Many of the railcars are staged in downtown El Paso, with the potential of exposing thousands of people in both El Paso and Ciudad Juárez to an incident that would have an immediate and dire effect on the populace and environment when exposed to a hazardous substance. In addition, a newly constructed inter-modal facility in Doña Ana County, New Mexico adjacent to the Santa Teresa Port of Entry has increased the amount of rail traffic in the region and thus increasing the potential for hazardous railcar incidents.

July 2015 Training Event First Responders

The project funded helped to increase preparedness for possible hazardous railcar incidences, increase mitigation capabilities and helped to re-establish and continue communications between first responders between the communities of El Paso, Ciudad Juárez and Doña Ana County. The project entailed the purchase of the three Midland Kits, equipment used to stop and contain leaks that may occur if a railcar incident were to occur involving hazardous substances. Each of the jurisdictions received one of these kits. The kits are the most state of the art pieces of equipment that first responders can use for such incidences. None of the three jurisdictions had this piece of equipment prior to the grant. The equipment was necessary as the rail industry



July 2015 Responders from Cuidad Juárez, Doña Ana and El Paso

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Emergency Response: El Paso Cont'd

has changed to what is termed "next generation" railcars for the transportation of a diverse array of hazardous materials. These new railcars use different valves and fittings to load and unload the material being transported, thereby, making much of the traditional mitigation equipment the region possessed now obsolete.

In July 2015, more than 120 first responders from El Paso, Ciudad Juárez and Doña Ana County Fire Department, over a three day period, received the proper training needed to operate and learn how to use the Midland Kits. Trainers from BNSF who invented the Midland Kit trained the responders, utilizing a mock railcar that was transported from their training rail yard. The training consisted of lecture, PowerPoint and dialogue between the training participants and instructors. The final portion of the training involved utilizing a Midland Kit on a training rail car, to properly learn how to handle this piece of equipment. The training event was covered by the local media, generating six new stories on the local television in both El Paso and Juárez, as well as, two newspaper articles, one in the El Paso Times and another in the El Diario de Juárez.

April 2016 Refresher Training

In April 2016, once the Midland kits had been purchased by El Paso Fire Department, a half-day refresher training was held with representatives from each of the jurisdictions. In addition, that day each of the jurisdictions received their own Midland Kit to take back to their respective cities. With the funding of this project, the first responders within the region are now better equipped and prepared to deal with hazardous materials spills involving railcars. In addition, there is an increase in awareness and knowledge among the first responders of the threats that involve railcars in the region. With each jurisdiction within the Paso del Norte having its own state-of-the art Midland kit, each jurisdiction they can better respond to such incidents. Last, communication among the jurisdictions was re-established and strengthened with the training event that occurred.

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Emergency Response: El Paso Cont'd

Equipment Exchange to Ciudad Juárez and Dona Ana County First Responders.

Emergency Response: Bi-National Tabletop and Functional Exercises between the cities of Harlingen, Texas and Matamoros, Tamaulipas

The City of Harlingen received a $60,000 Border 2020 Grant of for cross-training and exercises with the City of Matamoros. The objectives of the project included: training for the tactical incident management of on-scene operations at a Hazardous Materials Incident; preparation of the First responders to manage during the first hour of a Hazardous Materials Incident; learn how to identify hazardous Materials transporting containers; learn control techniques for leaks and spills and; train to use the Incident Command System (ICS) and remote communication technology. Part of the training included review the sister-city contingency plan in place and utilizing it while conducting a table top and functional exercise.

May 2016 Training Event First Responders between Harlingen and Matamoros.

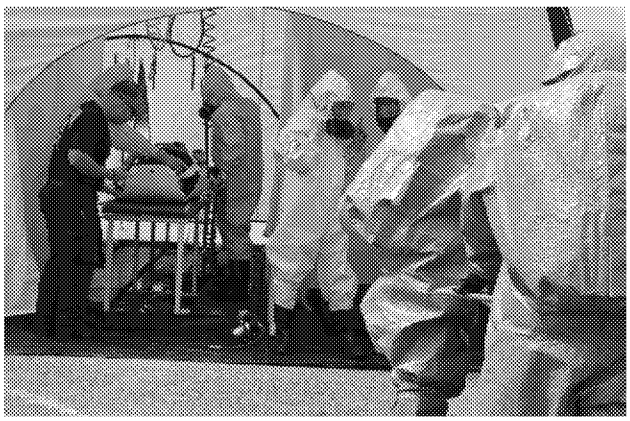
Emergency Response: Harlingen-Matamoros Cont'd

The training and two exercises conducted took place from May 16 through May 20, 2016. The training included:
Rescue and Recovery: Introduction response information exposure and contamination and decontamination procedures;

- Personal Protective Equipment: Chemical science personal protective equipment
- Product Control: Container types product control measures.

The table top and functional exercises looked at a response that involved a release of a ton from a chlorine cylinder as well as a release of chlorine from a rail car. The project funded resulted in the enchancement of a bi-national response by including the latest technology advancements for communications; enchanced the response capabilities of responding to a potential chemical exposure/accident that could affect both sides of the border; and updated the sister city plan contacts. The final day which included the functional exercise was covered by local media. The story can be found at: http://www.rgvproud.com/news/local-news/fire-departments-team-up-for-hazmat-training

Medical monitoring of responders during May 2015 exercise


Practice medical evaluation of hurt personnel during exercise

New Mexico/Chihuahua Rural Task Task Force Public Meeting

On May 17, 2016, the New Mexico-Chihuahua Rural Task Force held a public meeting at the Columbus Library, Columbus, NM. Mayor Phillip Skinner provided welcome remarks, followed by Ing. Martin Palomares, Desarrollo Urbano y Ecología Ascensión, Chih., who has served as the Rural Task Force Leader from Mexico for the past four years, two of which have been without a U.S. counterpart. NMED District Supervisor Mike Kensler a longtime supporter of the Task Force having attended and presented at last year's public meeting, also provided opening remarks.

Public meeting in Columbus, New Mexico (May 17, 2016)

Carlos Rincon led the meeting with the mission of the U.S.-MX Border 2020 Program. Twenty five participants

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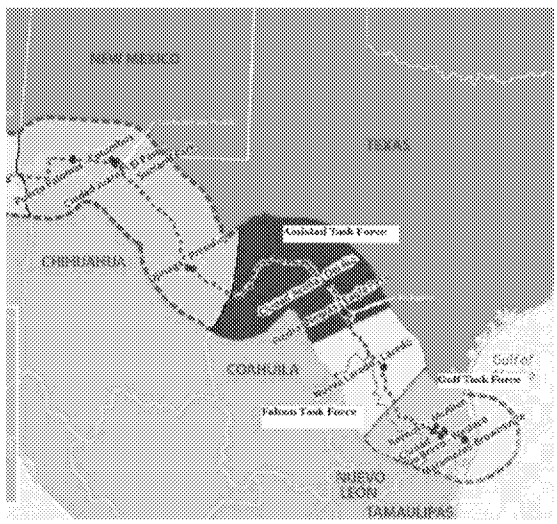
New Mexico/Chihuahua Rural Task Task Force Public Meeting cont'd

attended the meeting which focused on Holistic Range Management, Climate Smart Agriculture (UACH), as well as issues related to the need for Water Conservation in Ascensión and the need for Solid Waste Management program in Palomas. Professor Gerardo Bezanilla of the Autonomous University of Chihuahua presented preliminary results of his Border 2020 project on slowing or reversing the effects of desertification caused by overgrazing. Peter Edmunds, Border Partners discussed water conservation efforts, in-house and community gardens and gray-water being used for irrigation. Dr DuBois discussed the effects of dust storms on health and safety He also is working with the National Weather Service to inform the public about dust events via social media. Dr. David Johnson, a researcher at the New Mexico State University (NMSU) Institute for Energy and the Environment, presented the results of his recent experiments with soil amendments made using composted cow manure. He showed an increase in crop production by shifting from a bacterial-dominant to a fungal- dominant product while building the soil and without using fertilizers. These results may ultimately cause a shift away from the use of chemical fertilizers, which can cause air and water quality problems. Attendees included, SEMARNAT, NMSU and UACH academia, NGO's, and local residents.

Four-State Regional Workgroup Activities

The Four-State Regional Workgroup is the most complex of the four regional workgroups within the Border 2020 Program, due to its geographical expanse and the number of municipalities it contains. The region includes parts of three Mexican States and a total of at least 29 municipalities on Northern Coahuila, Nuevo Leon and Tamaulipas, and 168 cities and towns on the U.S. side of the border.

The Four-State RWG is divided into three geographically based Task Forces (TFs) — a) Amistad, b) Falcon, and c) Gulf, each of which has established subject-specific committees related to its priority concerns and the goals of the Border 2020 program. The subcommittees in each task force are: Waste, Water, Environmental Education and Health, and Emergency Preparedness. (NOTE: It should be noted that these task forces do not have an Air subcommittee and the Amistad TF does not have a Water subcommittee.)



4-State RWG Geographic Map

In 2015 through early 2016, each of the region's TFs had three public meetings focusing on highlighting actions that were covered at the Waste Policy Forum that took place in Tijuana, B.C. early in 2015. At each of the TF meetings, the program also addressed discussion on the two-year action plan priorities, highlighting the various Border 2020 projects that had been funded in 2013-2014 and presenting to stakeholders the Border 2020 projects that were funded in 2015.

Brief narrative of the 2016 meeting at each of the three TFs:.-

Amistad Task Force. – Granting that the March 10, 2015 meeting took place in Ciudad Acuña we continued rotating the meeting locations. The December 8, 2015 meeting took place in Del Rio, TX, while the March 9, 2016 meeting was held in Eagle Pass, with attendance of about50 people, including local environment and ecological departments, as well as public works and Civil Protection managers, representing Piedras Negras, Ciudad Acuña and Nava, Coahuila, Eagle Pass and Del Rio, TX,Kickapoo

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Four-State RWG Activities Cont'd

Traditional Tribe, state officials from TCEQ and Coahuila Environment Secretariat, BECC, educational institutions, USEPA and SEMARNAT.

The Amistad TF level of collaboration and engagement from B2020 partners underscores the importance of projects implemented on a binational scope that address environmental priorities with strategies that include the assurance of water availability with high drinking standards, reducing waste, and ways to share experiences and best practices that addresses effects of environmental threats.

A B2020 success story is the Arroyo las Vacas project that includes stream clean up, ecosystem restoration, wildlife conservation and education components, creating a geographical database, identifying areas of concern and of environmental wealth that resident can access, making it a tool for discussion useful to make decisions on improving conditions of the Arroyo las Vacas. The Secretariet of Coahuila led this project together with Ciudad Acuña, the TCEQ, the University of Texas at Austin, and the Technological Institue of Ciudad Acuña.

The Southwest Border Area Health Education Center conducted a Promotora environmental education training on pesticide awareness and asthma triggers, an example which builds up partnership between the UT School of Public Health, Texas Department of State Health and Human Services, Mexican Consulate and Eagle Pass Independent School District. In this project, students, teachers and parents received training and six Promotoras were certified to train residents on risks to minimize exposures to harmful chemicals. At 30 homes, certified promotoras did a pre-assessment of chemicals used at households, and a post assessment to identify changes in behavior patterns.

A project on materials and waste management conducted by Eagle Pass established a Plastic Bag Ordinance that would: 1) Protect the environment by reducing use of plastic bags, 2) Protect life and property from flooding resulting from storm drainage obstructed by plastic bags, 3) Protect fish, animals and rivers from the adverse effects of plastic bags, and 4) Promote the beautification of the City of Eagle Pass. As of April 1, 2016, businesses must provide signage of the phase out period including information about benefits of reducing, reusing and recycling. A five-member environmental advisory committee was formed to monitor the effects of the ordinance and report back to city council.

The Falcon Task Force.- WASTE Committee met on March 8, 2016, hosted by City of Laredo Environmental Services, with25 people attending, including managers from local environment and solid waste departments, as well as Representatives of the Laredo City Council and the Mayors of Laredo and Nuevo Laredo, who joined Stategovernment official representatives of TCEQ and the Nuevo Leon Secretariat f oEnvironment and Sustainable Development., BECC, Mexico's Consulate General, local educational institutions, USEPA and SEMARNAT.

Meeting Participants in Falcon Task Force on March 8, 2016.

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Four-State RWG Activities Cont'd

The Falcon TF Waste Committee meeting included a site visit to Laredo's recycling center, encouraging stakeholders to share about updates related to waste projects within the two year action plan. At the

meeting the recently appointed Mexican Co-Leader for the Falcon Emergency Response Committee was introduced to the group. The City of Nuevo Laredo Ecology Director provided an overview of the City's household hazardous waste (HHW) program including the City's HHW facility. The Nuevo Laredo administration is working with its waste service provider to upgrade their collection services, which will complement the city's HHW collection program and promote environmental stewardship in the community. The program started in 2005 and consists of residents bringing spent used oil, paint waste, pharmaceutical and detergents among other HHWs.

The Waste Committee Co-facilitators proposed developing a list of certified waste transporters that collect Electronic-Waste (e-Waste lor used electronics), and such directory could be shared at BECC's e-waste Forum that is

scheduled to take place in the Baja California/California border region. The City of Laredo has been promoting environmental stewardship in the community investing in renewable energy by phasing out incandescent light bulbs and replacing with 7000 LED lamps. Laredo Environmental Services in conjunction with the City's Health Department have been cleaning up streams to prevent vector sources and illness related to Dengue and Zika viruses.

As a resourceful partner the Technological University of Nuevo Laredo is working with Roadrunner Mulch on a project to reuse scrap tire material. Augusto Garcia Mier y Teran of Roadrunner Mulch discussed scrap tire disposal and possible solutions. Roadrunner Mulch collects, grinds, processes, sorts, and distributes rubber mulch, buffing and crumb rubber. The company has processed over 200 metric tons per month and recycled more than 2 million pounds of rubber. It has offices in Mexico City and a retreading plant in Monterrey, Nuevo León. Because a tire recycling business requires large volumes of scrap tires to be profitable, the amount of scrap tires generated in Laredo and Nuevo Laredo makes it difficult to justify a multi-million tire recycling complex from a financial perspective.

Gulf Task Force – Waste Subcommittee Meeting, met on Friday, March 11, 2015 in Pharr, Texas. The meeting was attended by approximately 30 bi-national stakeholders from both the U.S and Mexico. Attendees included representatives from EPA, TCEQ, Tamaulipas Secretariet of Environment and Sustainable Development (SEDUMA), City of Reynosa, City of Pharr, BECC, University of Texas Rio Grande Valley and others.

The meeting included presentations from SEDUMA who had two Border 2020 Projects funded in 2015. Both projects awarded to SEDUMA were related to scrap tire management and solid waste recycling programs. The projects focused on assisting the municipalities of Rio Bravo and Valle Hermoso, Tamaulipas develop a strategic management plan for their municipal solid waste. The goals of the project include: reorientating their traditional solid waste management including collection and disposal to integrated waste management; promote environmental education and training to help reduce waste generation and encourage best management practices on segregation, reuse and recycle; strengthen municipal environmental legislation on solid waste; strengthen administrative and operation areas response for waste management; and implement an inventory of urban solid waste generators.

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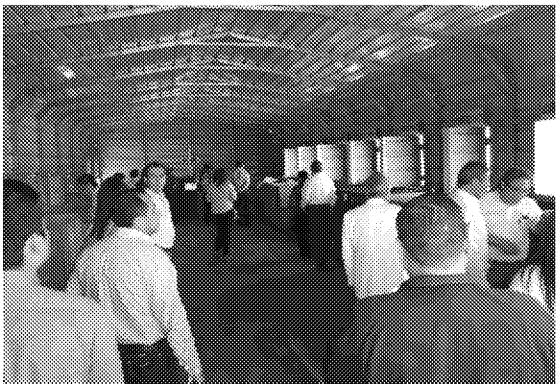
The City of Pharr, a previous recipient of Border 2020 funds, presented their recycling program "Let's Clean it and Green it Up" as well as gave stakeholders a tour of their recycling facility. The City of Pharr received a Border 2020 grant to offer more frequent and convenient solid waste dispoal events, as well as host more beautification and cleanup events and improve their recycling and outreach programs.


Gulf TF particpants tour Pharr Recycling Center

Stakeholders also heard a presentation by an NGO "Recycled Dreams" which teaches women in the community the skills needed to make recycled bags and purses from various recyclable materials which can then be turned and sold for a profit. The organization focuses not only on giving women a way to pursue some economic opportunity to improve their economic situation, but also promoting and creating awareness of recycling and keeping communities clean.

EPA Region 6: US-MX Border 2020 Program Newsletter

Children's Health Symposium: El Paso, Texas

The Children's Environmental Health program is central to EPA's mission. In the past three years, the EPA's U.S.-Mexico Border 2020 program in regions 6 and 9 have provided more than $500,000 to a dozen organizations to specifically address children's health. Funding has supported capacity-building through training for childcare and school personnel, for environmental home assessments, to educate

farm workers about take-home pesticide exposures, and to train those who train others. These efforts have directly impacted about 25,000 people, who, in turn, impacted 35,000, or even 50,000 people in the border region.

Ron Curry, Region 6 Regional Administrator

In 2015, the U.S. Environmental Protection Agency's began to work with several partners to address binational environmental challenges and disproportionate health impacts that burden border communities, especially as they impact children. Both Region 6 and Region 9's Office of Children's Health, in coordination with EPA's headquarters Office of Children's Health Protection decided to address and bring greater awareness to children's health protection along the border through a variety of initiatives. One of these initiatives included promoting two children's health symposiums focused specifically on children's health protection. Children's health along the border is often affected by the mismanagement of pesticides, poor indoor and outdoor air quality, misuse of chemicals and other waste, poor water quality, and binational chemical emergencies. It is important that healthcare professionals, public health practitioners, community health promoters or *promotoras*, and others in the community that work or care for children understand the crucial links between the environment and health in order to take steps towards improving children's health outcomes in communities along the Border.

The first children's health symposium: *Children's Environmental Health on the Border: Protecting Children Where They Live, Learn, and Play* was held at the Texas Tech University Health Sciences Center in El Paso, Texas, September 24-25, 2015. EPA Region 6 partnered with Texas Tech-Southwest Center for Pediatric Environmental Health at Texas Tech, US/Mexico Border Health Commission, the US/Mexico Border 2020 Program, and Children's Environmental Health Programs, and the Border Environment Cooperation Commission (BECC) for the binational symposium. Texas Tech is now home to

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the Pediatric Environmental Health Specialty Unit, a network of physicians jointly funded by EPA and the Agency for Toxic Substances and Disease Registry. The Unit sponsored the symposium and Texas Tech provided continuing education credits to attendees.

The two main goals of the symposium were: 1) to increase knowledge of how early childhood exposure can affect children's health; and 2) to facilitate networking among the healthcare community, promotoras, and the public. More than 150 doctors, nurses, promotoras and public health professionals from Texas, New Mexico and Chihuahua attended the 2-day symposium.

Thirty experts presented on asthma, lead and mercury exposure, climate change impacts on children's health and a dozen other topics. Simultaneous English-Spanish translation was provided for all the presentations. Discussion topics included: climate change impacts on children's health, and prenatal exposures; childhood breathing--healthy lungs and good indoor air quality; e-cigarettes; unconventional petroleum exploration concerns; carbon monoxide; asthma, and lead. Final symposium agenda, presentations, and speaker bios are available for download at the symposium website.

Children's Health Symposium Cont'd

Children's Health Symposium Attendees

3-State and 4-State Partner Calls

MONTHLY BORDER PARTNERS CONFERENCE CALL: The El Paso Border Team began in 2006 having monthly calls with Border 2020 Federal and State Co-Chair Border staff in order to keep each of the agencies updated on ongoing border meetings and efforts as they relate to the Border Program. The meetings are held every 2nd Tuesday of month with the Texas Commission on Environmental Quality (TCEQ), the Secretariat of Environment and Natural Resources (SEMARNAT in Spanish), New Mexico Environment Department (NMED), the Secretariat of Urban Development and Ecology for state of Chihuahua (SDUE in Spanish) and Ysleta del Sur Pueblo (YDSP). The conference calls focus on environmental border events in the Texas-New Mexico-Chihuahua (TX-NM-CHIH) region that each agency conducts. As events occur, updates are discussed to better prepare for the event and receive

3-State and 4-State Partner Calls Cont'd

input by the border partners. In the past months, updates that have been discussed include the Border 2020 2-year workplans for the TX-NM-CHIH Regional Workgroup that focused on projects and actions that were completed or will be completed in 2015 through 2016. In addition, border projects funded and their status are shared amongst the group, as well as, any activities that took place as part of these projects. Other discussions included taskforce meetings: the Joint Advisory committee (January and May 2016); New Mexico-Chihuahua taskforce (May 2016); Water Taskforce jointly with Paso del Norte Water taskforce Workshop (May 2016). Ongoing discussion regarding the PROAIRE, air quality management plan for Cuidad Juárez, has been included in each monthly call. Partner meetings that have taken place has included the Bi-national Health Council meetings in El Paso, Texas and Presidio, Texas. In addition, TCEQ hosted their annual Trade Fair in May 2016.

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Border 2020 Projects Funded

The U.S. Environmental Protection Agency (EPA) is awarding more than $521,000 to 14 organizations in Texas, New Mexico and Mexico. The funds will support projects such as conservation, waste collection, water quality protection, recycling expansion, green infrastructure and improving environmental education in the region.

The following organizations received grants:

- **Federación Mexicana de Asociaciones Privadas de Salud y Desarrollo Comunitario, A.C.** – Received $50,000 for sustainable and resilience housing
- **Subsecretaria de Medio Ambiente, Tamaulipas** – Received $20,866 to strengthen solid waste programs
- **Secretaría de Medio Ambiente del Estado de Coahuila de Zaragoza** – Received $16,777 for electronic waste recycling
- **City of Harlingen Fire Department** – Received $60,000 to support binational tabletop exercises
- **Instituto Tecnológico de Ciudad Juárez** – Received $43,204 for a green infrastructure and sustainability project
- **Universidad Autónoma de Chihuahua – Facultad de Zootecnia y Ecología** – Received $41,388 for a soil conservation and management project
- **Secretaría de Desarrollo Urbano y Medio Ambiente, Tamaluipas** – Received $9,385 for energy efficient lighting
- **Texas A&M University-Kingsville** – Received $38,885 for storm water improvements
- **Grupo Ecológico Green Tec-Osos del Instituto Tecnológico de Piedras Negras** – Received $36,054 for electronic waste recycling
- **The University of Texas at Austin** – Received $58,575 for a water quality improvement initiative
- **Brownsville Public Utilities Board** – Received $25,000 for an educational campaign to help eliminate water discharges
- **Junta de Aguas y Drenaje de Matamoros** - Received $25,000 for an educational campaign to help eliminate water discharges
- **City of Pharr, Recycling Center**- Received $36,390 for a green campaign
- **Universidad Autónoma de Tamaulipas, Facultad de Comercio, Administración y Ciencias Sociales de Nuevo Laredo** – Received $11,000 for Environmental Education and Legislative action reforms

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- Chair, Joint Advisory Council & Technical Advisor for BECC grants on Air

Goal 3: Promote Materials Management, Recycling and Clean Sites
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- Waste Policy Forum Liaison
- Technical Advisor for BECC grants on Waste

Lawrence, Rob..... 214-665-6580

- Energy and Climate Change

Selzer, Paula 214-665-6663

- Children's Public Health & Technical Advisor for BECC grants on Children's Health

Wilson, Monica 214-665-6719

- Grants Administration

Water Division (Goal 2)
Honker, Bill- Director..... 214-665-3187 **Goal 2: Improve Access to Clean and Safe Water**
Tellez, Gilbert 915-533-7273

- Water Policy Forum Liaison & Technical Advisor for Border Water Infrastructure

Gandara, Salvador 214-665-3194

- Project Officer for BECC, NADB Infrastructure Grant

Ruiz, Thomas 214-665-3153

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Superfund Division (Goal 4)
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Goal 4: Enhance Joint Preparedness for Environmental Response
Todd, Brandi 214-665-2233

- Emergency Preparedness and Response
- Border 2020 Emergency Preparedness and Response Policy Forum Liaison
- Representative on the U.S.-Mexico Joint Response Team & Technical Advisor for BECC grants on Emergency Response

Enforcement Division (Goal 5)
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Goal 5: Enhance Compliance Assurance & Environmental Stewardship
Potts, Mark 214-665-2723

- Goal 5, Enforcement and Compliance
- Enforcement Group & Technical Advisor for BECC grants Liaison

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Texas-Coahuila-Nuevo Leon-Tamaulipas Regional Workgroup Co-Chairs & Staff

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U.S. State Co-Chair Bryan W. Shaw, Ph.D., P.E. *Chairman, Texas Commission on Environmental Quality* Staff: Steve Niemeyer. P.E., Border Affairs Manager and Colonias Coordinator 512-239-3606 *TCEQ- Austin* steve.niemeyer@tceq.texas.gov Claudia Lozano-Clifford, REM., Lead Border Team Coordinator *TCEQ- Harlingen office, Gulf Task Force* 956-430-6035 claudia.lozano@tceq.texas.gov Victor Wong, Border Program Coordinator *TCEQ- Laredo Office, Falcon and Amistad Task Forces* 956-753-4050 victor.wong@tceq.texas.gov Eddie Moderow, Program Coordinator *TCEQ- Austin* 512-239-0218 eddie.moderow@tceq.texas.gov Desiree Ledet, Program Coordinator *TCEQ- Austin* 512-239-6132 desiree.ledet@tceq.texas.gov	**Mexican State Co-Chairs** Ing. Roberto Russildi Montellano, *Secretary of Sustainable Development, State of Nuevo León* Dr. Alfonso Martínez Muñoz, Subsecretario de Proteccion al Medio Ambiente y Recursos Naturales alfonso.martinezm@nuevoleon.gob.mx 812-033-2100 Biól. Eglantina Canales, *Secretary of the Environment, State of Coahuila* Oscar Flores, Subsecretario de Gestion Ambiental 844-698-1091 ext. 7268 oscar.flores@sema.gob.mx Alejandra Carrera, MC., Directora de Conservación 844-698-1098 Alejandra.carrera@sema.gob.mx Ing. Humberto René Salinas Treviño *Secretary of Urban Development and Environment, State of Tamaulipas* 834 107-8615 Ocean. Heberto Cavazos Lliteras, Subsecretario de Medio Ambiente 834-107-8291 Heberto.cavazos@tamaulipas.gob.mx Dra. Silvia Casas Gonzalez Dirección de Transversalidad y Cambio Climático 834-107-8261 silvia.casas757@gmail.com Lic Lucero Chavez 834-1078292 ssma@tamaulipas.gob.mx **Mexican Staff Liaison for Workgroup** Gustavo Pantoja Villarreal, 867-718-6336, 867-727-0486 gustavopantoja@hotmail.com (BECC contractor)

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TX-COAH-NL-TAUM TASK FORCE CO-LEADERS

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2016 Texas-New Mexico-Chihuahua Regional Work Group Contacts Co-Chairs

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	Task Force Co-leaders	Country	Co-Leader	Organization	Phone	Email
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4	**Goal 4: Emergency Response Objetivo 5: Emergencias Ambientales**	MX	Efren Matamoros	Protección Civil	1656-318-4948	licmadominguez@hotmail.com Mabe71@hotmail.com
		US	VACANT			
5	**Goal 5: Compliance Assistance Objetivo 6: Cumplimiento de Ley**	MX	Lic. Joel Aranda	PROFEPA	011-52-656-682-39-90, ext 18253	jaranda@profepa.gob.mx
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8	**Chihuahua / New Mexico Task Force**	MX	Ing Martin Palomares	Desarrollo Urbano y Ecologia Acension, Chih	636-112-5145	impcera@gmail.com
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9	**Chihuahua / Texas Task Force**	MX	Miquel Antonio Carreon Rohana	Presidente Municipal, Ojinaga, Chih.	626-453-0304	Chacuaco70@hotmail.com
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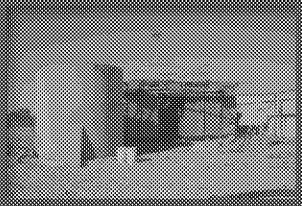
EPA Region 6

QUARTERLY REPORT

April - June 2016

US-MEXICO GRANT
Implementation of Border 2012 Plan
Region 6
X4-00F45301



Submitted by:
Javier Torres, Technical Assistance Manager

Comisión de Cooperación Ecológica Fronteriza
Border Environment Cooperation Commission

QUARTERLY STATUS REPORT

US-MEXICO GRANT
Implementation of Border 2012 Plan
Region 6

GRANT: X4-00F45301-3

Grant Period: Sep. 30, 2011 – Sep. 30, 2016

REPORTING PERIOD:

April – June 2016

TO:
Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:
Javier Torres
Border Environment Cooperation Commission
Technical Assistance Manager

July 30, 2016, Cd. Juárez, Chihuahua, México

ED_002319B_00013330-00002

US Mexico Border 2012 Environmental Program - Quarterly Grant Status Report

Grant Title:	Grant Agreement No.
US-Mexico Grant – Implementation of Border 2012 Plan	X4-00F45301

Contact:

Primary Contact Name: **Javier Torres**
Organization: Border Environment Cooperation Commission
Telephone & Fax: 01-656-688-4600 Email: jtorres@cocef.org

Reporting Period (please check appropriate period):

10/01/14 - 12/31/14 G	01/01/15 - 03/31/15 G	04/01/15 - 06/30/15 G	07/01/15- 09/30/15 G
10/01/15 - 12/31/15 G	01/01/16 - 03/31/16 G	04/01/16 - 06/30/16 G	07/01/16- 09/30/16 G

Check here if this is the final reporting period under your grant _____

Please explain any current or expected growth of your project. If there is growth potential, have you consulted with other partners for potential leveraging of funds, for continuing the project after funding from EPA ends?

Concluded projects do not contemplate continuation of activities due to their limited scope.

Indicate the goal(s) and objective(s) of the Border 2012 Framework Document that this grant is addressing

Goal#1:	Reduce Water Contamination	X	Objective	X
Goal#2:	Reduce Air Pollution	X	Objective	X
Goal#3:	Reduce Land Contamination	X	Objective	X
Goal#4:	Improve Environmental Health	X	Objective	X
Goal#5:	Reduce Exposure to Chemicals as a Result of Accidental Chemical Releases and/or Acts of Terrorism	X	Objective	X
Goal#6:	Improve Environmental Performance Through Compliance, Enforcement, Pollution Prevention, and Promotion of Environmental Stewardship	X	Objective	X

Also included in the objectives are Border Wide Emerging Issues and Border Wide Priority Areas.

Work plan Deliverables Due this Project Period

- Grant work plan deliverables are detailed in the Active Project List. See Attachment "A".

TABLE 1
Summary of Quarterly Expenses by Category (Report Period April 1 to June 30, 2016)

Work Plan Tasks	Approved Work Plan Budget	Previously Expended	Expenses this Quarter	Total Cumulative Expenses
Task A- Air Policy Forum	$64,420	$64,420	$0	$64,420
Task B- RFP	$41,860	$41,860	$0	$41,860
Task C- Projects	$667,618	$621,644	$0	$621,644
Task D- BECC Presence	$18,727	$18,727	$0	$18,727
Task E- Logistics	$74,648	$42,955	$7,786	$50,740
Task F- Children's Health	$18,182	$16,779	$0	$16,779
Indirect Cost	$88,545	$80,638.66	$779	$81,417.21
TOTAL Cumulative Expenses	**$974,000**	**$887,023**	**$8,564**	**$895,587**

TABLE 2
Summary of Quarterly Expenses by Task (Report Period April 1 to June 30, 2016)

Cumulative Work Plan Tasks Expenses

Budget Categories (programmatic costs only)	Task A	Task B	Task C	Task D	Task E	Task F	TOTAL Quarterly Expenses
Personnel	$0	$0	$0	$0	$0	$0	$0
Fringe Benefits	$0	$0	$0	$0	$0	$0	$0
Travel	$0	$0	$0	$0	$0	$0	$0
Supplies	$0	$0	$0	$0	$0	$0	$0
Contractual	$0	$0	$0	$0	$7,786	$0	$7,786
Other (specify) *Project Implementation*	$0	$0	$0	$0	$0	$0	$0
TOTAL Direct Charges	$0	$0	$0	$0	$7,786	$0	$7,786
Indirect Costs	$0	$0	$0	$0	$779	$0	$779
TOTAL Cumulative Expenses	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$8,564**	**$0.00**	**$8,564**

Are you on track with your timeline? If you are behind, what is the reason?

On track ___X____, Behind_____.

List the priorities of your specific project as stated in your EPA-approved grant application/workplan.

TASK A - Support for the Border 2012 Air Policy Forum
In coordination with the U.S. co-chair, who in turn coordinates with its Mexican counterpart, the BECC provides support for annual Border 2012 Air Policy Forum (APF) meetings, air quality/climate change/energy efficiency workshops, trainings, seminars, conferences and meetings in the border region.

TASK B - Procurement of Border 2012 projects in support of identified issues as addressed by Regional Tasks Force Groups:
As part of this task the BECC participated with the EPA-R6 in the coordination and implementation of Border 2012 projects. The BECC's role includes the development of the initial public solicitation Request for Proposals (RFP) for projects that meet the criteria establish under the Border 2012 Program. In addition, the BECC participated in the evaluation, selection, and award of grant funds for project implementation.

The BECC's involvement in the solicitation of projects under the Border 2012 Program includes the following:

Promote Process:

BECC staff participated in the following:

1. Prepare informational presentations for the general public.
2. Participate in Informational Workshops concerning the RFP.
3. Prepare reports on findings and suggested improvement for program implementation.

Pre-Solicitation Preparation:

BECC staff in coordination with EPA-R6 completed the following:

1. Determine goals and objectives to be met in accordance with program needs.
2. Address priority areas and other issues in the RFP.
3. Determine measurable results (outputs/outcomes).
4. Determine eligibility requirements.
5. Keep potential participants informed.

Implement Project Solicitation/Procurement Process:

BECC staff in coordination with EPA-R6 completed the following:

1. Develop list of potential participants in RFP process.
2. Prepare RFP package for project solicitation.
3. Determine procurement and project selection timelines.

Establish RFP process.

BECC staff in coordination with EPA-R6 completed the following:

1. Develop evaluation process for project selection.
2. Identify approach for promoting RFP participation.
3. Administer participant questions and responses.
4. Control proposals received.

5. Address general inquiries related to RFP participation and proposals preparations.

Project Review and Selection:
Coordinate with EPA-R6 proposal selection. BECC in coordination with EPA-R6 completed the following:
1. Review and/or evaluate proposals.
2. Justify selection process or prioritization of projects to EPA-R6.
3. Prepare report for EPA-R6 on projects selected.
4. Prioritize viable projects.
5. Communicate with participants of required clarification.
6. Formalize agreement with EPA-R6 on selected projects.
7. Issue work plan template for sub-recipient completion.

Announce Selection Results:
1. Post selection list on web sites.
2. Notify participants of proposal status, findings, and or standing or ranking.
3. Assist Project Sponsors (PS) with the development of Work Plans (WP) for project implementation.
4. Negotiate selected or prioritized WP improvements with PS and EPA-R6.
5. Award sub-grants for selected projects.

Measured results for this activity was determined by the number and quality of proposals received. The quality of the projects will be determined by the projects effectiveness in promoting sustainable solutions for improving and protecting both the environment and public health along the U.S. - Mexico border.

The selection of projects was in accordance with the prioritized needs of the border communities and as addressed by the Regional Work Groups.

TASK C - Border 2012 Projects Implementation and Required Activities.
BECC has overseen the implementation of projects selected under the 2011 Border 2012 RFP process. *Refer to Task B above*. The commission has overseen the implementation of project activities that have helped support the Border 2012 goals, objectives, and priority areas in accordance with the RFP. BECC has coordinated with the project selected applicants and corresponding stakeholders to develop a work plan that is consistent with the initial proposal. In addition the BECC has determined the project sponsors' capabilities to prioritize the approved support. This task may have required the BECC to perform outreach to qualified organizations to promote additional stakeholder involvement for project success.

TASK D - Increase BECC Presence and Support during Tasks Force Groups Events.
The BECC has helped the Regional Work Groups (RWG) and Task Force Groups (TFG) by actively participating in relevant meetings to help promote communal stakeholder involvement as an essential means in the resolution of environmental and public health issues. The BECC has implemented this task by designating in-house environmental engineers familiar with the B2012 Program to provide knowledge and experience to the TFG during meetings and workshops. BECC staff has coordinated the presentation of on-going or completed B2012 projects for demonstration purposes to generate public interest in the implementation of environmental initiatives that will be consistent with the principals of sustainable development.

TASK E – Logistical Support
Logistics Activity 1
The BECC can provide logistical support for meetings of the **Border 2020 New Mexico-Texas-Chihuahua (3-State) and Texas-Cohuila-Nuevo Leon-Tamaulipas (4-State) Workgroups and related activities in the**

region. Support may entail the tasks below:

1. Organizing meeting room(s) space for program participants and functions to including, but not limited to providing display tables, necessary audio/visual equipment, banners, food and beverages (in compliance with EPA regulations), space rental, and supplies for the public meeting.
2. Logistical support before and during the meetings. Providing adequate staffing for registering and login of participants, issuing name tags, directing participants to various meeting areas and other logistical activities to ensure that all participants are able to hear, view, understand speakers, and receive all applicable materials.
3. Provide bilingual minute/note taker support as required.
4. Distribution of documents and other materials to mailing lists
5. Translation of documents for the meeting and after the meeting
6. Interpretation services/Equipment
7. Newspaper notices and other electronic media notices of meeting
8. BECCNET notices
9. Travel Support for meeting participants, as requested
10. Assist in the development of presentations, such as Power Point or other visual aids
11. Moderators/facilitators services may be provided with EPA coordination

Logistics Activity 2
Provide logistical support for the **Regional Work Group Task Force Meetings** that will include the **Border 2020 New Mexico-Texas-Chihuahua (3-State) and Texas-Coahuila-Nuevo Leon-Tamaulipas (4-State) Workgroups, Task Forces and Committees.** BECC will provide logistical support to EPA Region 6 in conducting a minimum of 1 meeting per Task Force and Committee group per year.

Logistical support for these meetings may include the following deliverables:

1. Organize meeting room(s) space for program participants and functions to include, but not limited to providing display tables, necessary audio/visual equipment, banners, meal services, and supplies for the public meeting.
2. Logistical support before and during the meetings. This can include registering and login in of participants, issuing name tags, directing participants to various meeting areas and other logistical activities to ensure that all participants are able to hear, view, understand speakers, and receive all applicable materials, copies and printing of material as requested provide bilingual minute/note taker support as required.
3. Distribution of documents and other materials to mailing lists
4. Translation of documents for the meeting and after the meeting
5. Interpretation services/Equipment
6. Newspaper notices and other electronic media notices of meeting
7. BECCNET notices
8. Travel Support for meeting participants, as requested.
9. Assist in the development of presentations, such as Power Point or other visual aids
10. Moderators/facilitators services may be provided with EPA coordination

Logistics Activity 3
If necessary, provide logistical support for the **National Coordinators Meeting, hosted in the Region 6 Border area** to provide support to the EPA Region 6 in conducting one meeting every other year as part of this border general session.

Logistical support for these meetings may include:
1. Organize meeting room(s) space for program participants and functions to include, but not limited to providing display tables, necessary audio/visual equipment, meal services, and supplies for the public meeting.
2. Logistical support before and during the meetings. Provide adequate staffing for registering and login –in of participants issuing name tags, directing participants to various meeting areas and other logistical activities to ensure that all participants are able to hear, view, understand speakers, and receive all applicable materials (coping and printing) as requested.
3. Provide bilingual minute/note taker support as required.
4. Distribution of documents and other materials to mailing lists
5. Translation of documents in preparation for the meeting, during the meeting and after the meeting
6. Interpretation services/Equipment
7. Newspaper notices and other electronic media notices of meeting
8. BECCNET notices
9. Travel Support for meeting participants, as requested.
10. Hotel Arrangements, including arrangement of block of rooms for participants
11. Transportation arrangement
12. Technical Support
13. Coordination between meeting organizers (SEMARNAT and EPA).
14. Assist in the development of presentations, such as Power Point or other visual aids

Logistics Activity 4
Provide support for **Regional Workgroups Coordinating Staff and Task Forces Co-Leaders Meetings**. BECC will provide support to the EPA Region 6 in coordinating the meetings and follow-up to the implementation work of Task Forces. BECC compliance with this task may require the use of professional consultant services.

This coordination and follow-up support may include the following deliverables:
1. Convening Task Force Co-Leader meetings
2. Convening Task Force Co-Leader conference calls
3. Providing bilingual minute/note taker support as required for meetings and conference calls
4. Assistance in developing work plan(s) by incorporating workgroup/task force recommendations in support of scheduled programs
5. Research and information gathering to assist in the development and implementation of work plans
6. Assist in the development of presentations, such as Power Point or other visual aids
7. Develop calendar of meetings
8. Assist in sending information through e-mails, fax and mail.
9. Develop e-mail and mailing lists for each Task Force
10. Moderators/facilitators services may be provided with EPA coordination

Logistics Activity 5
BECC will provide general support to include **Workgroup Coordination meetings and follow-up meetings** and assist EPA Region 6 with the following activities:

1. Develop calendar of events in coordination with B2020 partners.
2. Assist with distribution of materials.
3. Provide with updates on progress of task force and regional workgroups work plans.

4. Provide travel support to Border 2020 stakeholders as needed.
5. Preparation of Reports/Fact Sheets which may include: technical support services for the formatting and preparation of documents, assistance in research and writing, translation, design and layout, etc.
6. Assist in the distribution of documents.
7. Develop a mailing list and prepare final document for dissemination by regular mail, electronic mail, web posting.
8. Moderators/facilitators services may be provided with EPA coordination.

TASK F – Children's Health Symposium

Hold a Children's Health/Border Symposium in El Paso, Texas. The symposium will bring together academic and medical professionals to deliver children's health information to health care providers, community based organizations, and community health workers (*promotoras*) along the US/MX Border to inform them about the crucial links between the environment and children's health. BECC support for this event could include providing logistical support before and during the Symposium, which can include:

- Coordinate meeting room(s), translation services, necessary audio/visual equipment, light refreshment, assist moderators/facilitators, provide bilingual minute/note taker support, if required, arrange for travel and lodging of guest speakers and post notices in the BECCNet, and other electronic media tools

Summarize your activities and tasks accomplished during this reporting period. If possible, provide measurable counts related to those activities (e.g., persons trained, fraction of research elements completed). *(These are the output measures described the RFP.)*

Prior activities:

1. The Border 2012, 2011 Request for Proposals was completed, once the EPA-R6 recommendations were received. In December 2011 the notification letters were sent to the selected 19 project sponsors, 6 of the projects corresponding to the 3-States Region and 13 to the 4-States Region.
2. Notification letters of selected and non-selected projects for the 3-State region were issued on January 16, 2012.
3. BECC has started working with projects sponsors to define their project's work plan and process the Technical Assistance Agreement that will allow the project to start. Most of the projects will be starting by the end of April, 2012.
4. BECC continues working with project sponsors in the development of their work plans, as of June 30th, most of the project sponsors have submitted their work plans and about half of the projects were in the Technical Assistance Agreement signature stage.
5. On July 6, 2012, the APF Border Monitoring Working Group met for the first time at the Wyndham hotel in El Paso, TX. BECC gave the following logistics support: meeting room arrangements, simultaneous interpretation, registration of participants, note taking, and documents translation. BECC also took care of travel arrangements for a speaker and other participants.
6. The Air Policy Forum took place at the Camino Real hotel in Tijuana, BC prior to the National Coordinators Meeting. The September 7 session was covered with this grant, the following ones were absorbed by the NCM event expenses. The travel expenses of an important attendee were supported also with this grant.
7. As of September 30, 2012, most of the projects selected during the 2011 RFP have their Technical Assistance Agreements signed and the actual project's work is in progress. This includes the WGA

project on Mexican Border States Emissions Inventories

8. As of December 31, 2012, most of the projects selected during the 2011 RFP have their Technical Assistance Agreements signed and the actual project's work is in progress. This includes the WGA project on Mexican Border States Emissions Inventories.
9. As of March 31, 2013 all but 3 projects selected during the 2011 RFP are in progress, the remaining projects will be cancelled due to lack of response from the project sponsors.
10. As of June 30, 2013 all of the projects selected during the 2011 RFP, except one that was cancelled, are in progress, two projects have been completed.
11. As of September 30, 2013, eleven projects were in progress and four projects have been completed
12. As of December 31, 2013, one project was completed, and ten projects remain in under development.
13. As of March 31, 2014, five projects were completed and five still remain under development
14. As of June 31, 2014 two projects were completed and three still remain under development.
15. As of August 30, two projects were concluded and Final Reports were submitted.
16. As of September 30, 2014 one project remains under development.
17. The cooperative agreement was extended to September 2015 to allow for the remaining project to conclude its activities.
18. Regional Solid Waste Management Plan for Ascension / Janos, Chih. Project period was extended, in order to characterize two sites under the System for Information of Contaminated Sites (SISCO) of SEMARNAT.
19. During the Solid Waste Summit in Tijuana on Feb 11, a discussion with Chihuahua State Government officials about the possibility of a third phase for the above project was held. CIMAV provided a methodology proposal which is under review by the BECC.
20. The CIMAV proposal for the Janos/Ascension solid waste project was not accepted. The project's final report has been submitted and is under review.
21. Coordination began in April of the Children's Health Symposium (CHS) to be held in El Paso, Texas in September 24-25, 2015.
22. The 2015 Border Green Infrastructure Forum was held in Tucson, AZ. May 20 and 21 with 68 participants via webinar and 110 on site.
23. The BECC review of the final report of the Regional Solid Waste Management Plan for Ascension / Janos, Chih. Awaiting the incorporation of BECC comments to final report. Final invoice pending.
24. The Children's Health/Border Symposium was held on September 24-25 in El Paso, Texas. Close to 150 participants attended the event.
25. Border 2020 Amistad Task Force Meeting, December 8, 2015 in Del Rio, TX.
26. Workshop on air drayage emissions project under Border 2020 and Border 2020 Falcon Task Force Meeting, December 9, 2015 in Laredo, TX.
27. Border 2020 Gulf Task Force Meeting, December 11, 2015 in Alamo, Texas
28. Border 2020 Falcon Task Force Waste Committee Meeting, Tuesday March 8, 2016 in Laredo Texas.
29. Border 2020 Amistad Task Force Meeting, Wednesday March 9, 2016 in Eagle Pass Texas.
30. Gulf Task Force Waste Committee meeting, Wednesday March 11, 2016 in Pharr, Texas.

Report this quarter activities:

31. Workshops were held w/ environmental stakeholders to develop a methodology to identify measures and actions, as well to inform of the status of Proaire diagnosis.

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Summarize the outcome of your efforts thus far in terms of the measurements you listed. If your work cannot yet be documented in these terms, indicate "not applicable for this report." You must include success measures if this is your final report.

Not applicable for this report.

Resolutions to Problems Previously Reported.
Not applicable for this report.

Note: this Cooperative Agreement was amended in May 2016. The amendment was for a five (5) month no-cost time extension to provide more time to develop the remaining Proaire project.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

Continue coordination with SEMARNAT and the State Government of Chihuahua for the completion of a Pro-Aire project in the state.

Discuss what key personnel did on the project.

Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Jorge Hernandez monitored and coordinated work plan activity in coordination with EPA. Marielena Constandse coordinated the preparation of this report. Marielena Constandse, Abril Quiroz and Javier Torres provided Contract and Grant Administration. Javier Torres provided Grant Administration coordination with EPA.

Discuss any changes in key personnel.

None.

Please name any significant partner organizations that you (as the lead organization) have for this project who are taking responsibility for substantial portions of implementation.

None.

What is the geographic scope of your project implementation?

This award includes the Border 2012 Program -Region 6 area of 100 km/62.5 miles on either side of the U.S.-Mexico border between the states of Texas, New Mexico, Chihuahua, Coahuila, Nuevo Leon and Tamaulipas.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official: _____ **Printed Name:** Javier Torres

Title: Technical Assistance Manager **Date:** July 30, 2016

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist
Phone: (214) 665-6719
Fax: (214) 665-7263
Email: Wilson.Monica@epamail.epa.gov

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ATTACHMENT "A"

THREE STATE (TX-CH-NM) BORDER 2012 - 2011 PROJECTS

No.	Project ID	Goal	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20197	1	Examination of Risk to Groundwater Aquifers from Onsite Systems	NMSU Dr. Christopher Brown Ph. (575)646-1802 brownch@nmsu.edu	Dona Ana County, NM and Cd. Juarez, Chih.	Marie Constandse (CO)/ Jorge Hernandez (PM)	6/6/2012 16 months	$ 84,921.48 $ 84,921.48	Total Percentage Completed: 100 % Final Report Received February 26, 2014 Project Status: Completed
2	20194	1	Water Conservation Project in Pto. Palomas, Chihuahua, MX	Border Partners Polly Edmunds Ph. 575-646-1063 psedmunds@gmail.com	Puerto Palomas, Chih.	Marie Constandse (CO)/ Jorge Hernandez (PM)	4/5/2012 15 months	$ 10,000.00 $ 10,000.00	Total Percentage Completed: 100 % Final Report Received October 26, 2015 Project Status: Completed
3	20195	3	Plan Regional de Gestion de Residuos para Ascensión y Janos	REMEXMAR Quim. Ma. del Pilar Leal Tel. 616-8609 pleal@remexmar.juarez.org	Ascensión and Janos, Chih.	Marie Constandse (CO)/ Jorge Hernandez (PM)	6/20/2012 40 months	$ 27,436.63 $ 27,436.63	Total Percentage Completed: 100 % Final Report Received October 13, 2015 Project Status: Completed
4	20210	4	Riesgos Microbiológicos y Químicos que Afectan la Salud Ambiental y Humana en el Valle de Juárez, Chihuahua	UACJ Dr. Juan Pedro Flores Marquez Tel. 668-1800 Ext. 1561 jufloresf@uacj.mx	Valle de Juarez, Chih.	Marie Constandse (CO)/ Alberto Ramirez (PM)	7/30/2012 18 months	$ 67,214.63 $ 67,214.63	Total Percentage Completed:100 % Final Report Recived Sept.10, 2014 Project Status: Completed
5	20192	5	U.S./Mexico Sister Cities Cross Border Contingency Plan Update	RIO GRANDE COUNCIL OF GOVERNMENTS Michael Ade Ph. (915)533-0998 ext. 138 MichaelA@rioccog.org	Presidio, TX and Ojinaga, Chih.	Marie Constandse (CO)/ Briseida Duarte (PM)	4/24/2012 15 months	$ 48,499.29 $ 48,499.29	Total Percentage Completed: 100 % Final Report Received January 30, 2014 Project Status: Completed
6	20215	2	Fostering Binational Environmental Sustainability in the NM/CHIH Border Region	New Mexico Environment Department Thomas Ruiz, Border / NMED Office (575) 528-8029 Cell: (575) 644-2819 thomas.ruiz@state.nm.us	NM-CHIH Border Region	Marie Constandse (CO)/ Briseida Duarte (PM)	1/8/2013 15 months	$ 44,562.75 $ 44,562.75	Total Percentage Completed: 100 % Final Report Received June 30, 2014 Project Status: Completed
7	20216	2	MEXICAN BORDER STATES EMISSION INVENTORIES	Western Governors Association Ms. Sara Lang slang@westgov.org 303-623-9378	TX-CHIH Border Region	Marie Constandse (CO)/ Alberto Ramirez (PM)	9/1/2013 5 months	$ 60,000.00 $ 60,000.00	Total Percentage Completed: 100 % Final Report: February 15, 2013 Project Status: Completed
8	20394	1	Comprenhensive program to improve Air Quality basins in Northen State of Chihuahua		Juarez, Chih.	Abril Quiroz (CO) / Jorge Hernandez (PM)	5/16/2016 5 months	$ 25,000.00 $ -	Comments: Workshop methodology to establish measures and actions in the ProAire, as well as advances in the diagnosis of ProAire.
						Amount Approved		$ 367,626.78	
						Amount Disbursed		$ 342,645.78	

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2012 - 2011 PROJECTS

No.	Project ID	Goal	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20204	4	Capacitación para el Pre-Tratamiento de Aguas Residuales	Ayuntamiento de Reynosa Ing. Angel Cerda Ph. (52-89) 10-00-00 ac_ingenieria@hotmail.com	Reynosa, Tam	Mario Constandse (CO) / Briseida Duarte (PM)	[illegible] [illegible]	$ [illegible] $ [illegible]	Total Percentage Completed: [illegible] Quarterly Reports: None Project Status: Project Completed in the amount of $10,000, lack of proper documentation [illegible]
2	20196	3	Waste Tire Reuse Technology for Heavy Duty Bed Construction Applications in Brownsville, TX	Texas A&M University – Kingsville Dr. Kim Jones Ph. (361) 593-2107 kfdj00@tamuk.edu	Brownsville, TX	Mario Constandse (CO) / Briseida Duarte (PM)	7/30/2012 18 months	$ 15,000.00 $ 15,000.00	Total Percentage Completed: 100 % Final Report Received September 22, 2013 Project Status: Completed
3	20213	3	Fortalecimiento de capacidad regional en el manejo de llantas desechadas	Secretaría de Desarrollo Lic. Norma a. Rangel Sevilla Secretaria Técnica	Border cities in Chihuahua, Coahuila, Nuevo León and Texas	Mario Constandse (CO) / Alberto Ramirez (PM)	9/14/2012 12 months	$ 35,590.91 $ 35,590.91	Total Percentage Completed: 100 % Final Report Received Sept. 30, 2013 Project Status: Completed
4	20206	3	Gestión y Manejo de Residuos Electrónicos	SECRETARIA DE OBRAS PUBLICAS DESARROLLO URBANO Y MEDIO AMBIENTE ING. MAURICIO CHALONS SALAZAR ecologiareynosa@hotmail.com 2610605	Reynosa, Tam	Mario Constandse (CO) / Jorge Hernandez (PM)	11/14/2012 12 months	$ 28,560.18 $ 28,560.18	Total Percentage Completed: 100 % Final Report Received September 5, 2013 Project Status: Completed
5	20201	4	Children's Environmental Health Initiative Laredo	City of Laredo Health Department Hector F. Gonzalez Ph. 956 795 4930 hgonzalez@ci.laredo.tx.us	Laredo, TX and Nuevo Laredo, Tamps	Mario Constandse (CO) / Alberto Ramirez (PM)	5/2/2012 12 months	$ 33,473.43 $ 33,473.43	Total Percentage Completed: 100 % Final Report Received April 30, 2013 Project Status: Completed
6	20198	4	Development of an Environmental/Epidemiological DataBase in Texas-Mexico Border	Texas A&M University System Health Science Center, School of Rural Public Health Dr. Genny Camilo Zuniga Ph. (956) 668-6321 gcamilo@srph.tamhsc.edu	Border cities in Texas and Tamaulipas	Mario Constandse (CO) / Alberto Ramirez (PM)	5/2/2012 18 months	$ 49,996.40 $ 49,996.40	Total Percentage Completed: 100 % Final Report Received January 22, 2014 Project Status: Completed.
7	20212	4	Pesticide Awareness: A Serious Message	Migrants in Action Noemi Ochoa, Executive Director of Migrants in Action	Laredo, TX	Mario Constandse (CO) / Briseida Duarte (PM)	7/3/2012 18 months	$ 19,990.00 $ 19,990.00	Total Percentage Completed: 100% Final Report Received June 30, 2013 Project Status: Completed
8	20203	4	Reducing Prenatal and Childhood Environmental Exposure Risks Among Hispanic Families	The University of Texas Health Science Center in San Antonio Claudia Miller, M.D., M.S. Phone: (210) 562-6561 Email: MillerCS@uthscsa.edu or stee@uthscsa.edu	Border cities in South Texas and North Tamaulipas	Mario Constandse (CO) / Alberto Ramirez (PM)	9/25/2012 18 months	$ 40,749.37 $ 40,749.37	Total Percentage Completed: 100 % Final Report Received August 26, 2014 Project Status: Completed

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FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2012 - 2011 PROJECTS

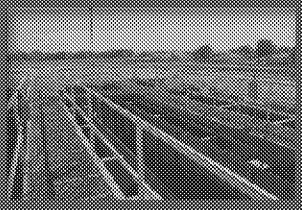
No.	Project ID	Goal	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
10	20203	5	Doubles in Emergency Pitch Ed Pa Nacional Indemnizar la Bercan Edo al Reynosa, Tamaulipas	CAMPEC (Consejo de Ayuda Mutua del Parque Industrial Reynosa) (Reynosa Industrial Park Mutual Aid Council) [illegible]			[illegible]	$ [illegible]	Total Percentage Completed: [illegible] Quarterly Reports: None Project Status: Project Completed in the amount of $ [illegible] Unused funds [illegible]
11	20205	1	"Cease the Grease" – South Texas FOG Abatement Workshop	City of Laredo Utilities Department Tomas M. Rodriguez, Jr. P.E. trodriguez@ci.laredo.tx.us	Laredo, TX	Mara Constandse (CO) Briseida Duarte (PM)	6/14/2012 16 months	$ 22,974.89 $ 22,974.89	Total Percentage Completed: 100 % Final Report Received May 20, 2014 Project Status: Completed
12	20206	5	Conducta de Desechos Químicos En Puerto El	Dirección de Protección Civil y Bomberos de Nuevo Laredo, Tam. [illegible]			[illegible]	$ [illegible]	Total Percentage Completed: 95 % [illegible] Quarterly Reports: None Project Status: Project Completed in the amount of $ [illegible] No Legal permits to clean the [illegible]
13	20195	5	LRGV NPS Pollution Awareness - Sign Development and Installation Program	Texas A&M University – Kingsville Kim Jones, Ph.D. Ph. (361) 593-2167, fax (361) 593-2069, e-mail: kkd00@tamuk.edu	Cameron CO: Weslaco, Edinburg, La Joya, Alton, Mission, Alamo, San Juan and Donna, TX	Mara Constandse (CO) Jorge Hernandez (PM)	6/26/2012 16 months	$ 29,518.45 $ 29,518.45	Total Percentage Completed: 100%. Final Report Received February 20, 2014. Project Status: Completed
14	20227	4	Children's Environmental Health Initiative Laredo-Second Phase	City of Laredo Health Department Hector F. Gonzalez Ph. 956 791 4020 hgonzalez@ci.laredo.tx.us	Laredo, TX	April Quiroz (CO) Alberto Ramirez (PM)	8/15/2013 8 months	$ 32,728.47 $ 32,728.47	Total Percentage Completed: 100%. Final Report Received Dec. 19, 2013 Project Status: Completed
15	20228	4	Healthy Homes Project	Beatriz Favela, Director SoAHEC at NMSU Las Cruces, NM 88011 (575) 646-2097 bfavela@nmsu.edu	Sunland Park, Deming, Lordsburg, Chaparral, N.M.	April Quiroz (CO) Jorge Hernandez (PM)	8/22/2013 8 months	$ 24,720.54 $ 24,720.54	Total Percentage Completed: 100%. Final Report Received March 15, 2014. Project Status: Completed

Amount Approved	$	333,324.64
Amount Disbursed	$	300,596.17

Total Approved	$	700,951.42
Total Disbursed	$	643,241.95

Updated June 30, 2016.

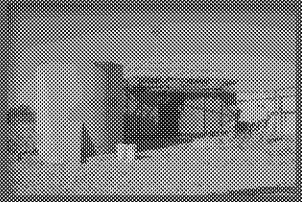
EPA Region 6



QUARTERLY REPORT

April - June 2016

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-01F04901



Submitted by:
Javier Torres, Technical Assistance Manager

Comisión de Cooperación Ecológica Fronteriza
Border Environment Cooperation Commission

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-01F04901

Grant Period: August 12, 2015 - March 31, 2017

REPORTING PERIOD:

April - June 2016

TO:

Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:

Javier Torres
Border Environment Cooperation Commission
Technical Assistance Manager

July 30, 2016, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-01F04901

Contact:

Primary Contact Name: **Javier Torres**
Organization: Border Environment Cooperation Commission
Telephone & Fax: 01-656-688-4600 Email: jtorres@cocef.org

Reporting Period (please check appropriate period):

- ☐ July 1 – September 30, 2015, Reporting period: report due on October 30, 2015
- ☐ October 1 – December 31, 2015, Reporting period: report due on January 30, 2016
- ☐ January 1 – March 31, 2016, Reporting period: report due on April 30, 2016
- ☒ April 1 – June 30, 2016, Reporting period: report due on July 30, 2016
- ☐ July 1 – September 30, 2016, Reporting period: report due on October 30, 2016
- ☐ October 1 – December 31, 2016, Reporting period: report due on January 30, 2017
- ☐ January 1 – March 31, 2017, Reporting period: report due on April 30, 2017
- ☐ April 1 – June 30, 2017, Reporting period: report due on July 30, 2017

Check here if this is the final reporting period under your grant ☐

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

Not considered during this period.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

GOAL 1. - *Reduce Air Pollution*

Objective 1. - By 2020, in accordance with the NAFTA, promote the reduction of the number of vehicles operating in the border region that do not comply with the respective vehicle emissions' standards and reduce vehicle emissions at ports-of-entry through anti-idling and other feasible reduction measures.

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- **Project type 1:** Support the development of vehicle emissions programs in collaboration with governmental entities in order to improve compliance, enhance detection and correction of non-compliance vehicles. In addition, capacity building activities to reduce air pollution, in the border cities or at the Ports of Entry (POE), which may include the enforcement of environmental compliance at the time of used vehicle importation.

Objective 2.- By 2020, reduce pollutant emissions in order to approach attainment of respective national ambient air quality standards (i.e. National Ambient Air Quality Standards (NAAQS) or Norms as they are referred in Mexico) in the El Paso, Texas–Dona Ana County, New Mexico and at State of Chihuahua's border cities' air sheds.

- **Project type 1:** Establish joint collaboration strategies with governmental and/or non-governmental regulatory and planning agencies to identify and implement air pollutant reduction strategies to achieve better air quality in the Paso del Norte region (PdN). Projects should promote, expand, and be consistent with the strategies identified in PROAIREs (Mexico's air shed management plan) or U.S. Clean Air Act (USCAA) State Implementation Plans (SIPs.)

Objective 3. – By 2018, maintain effective Ambient Air Quality Monitoring Network (AAQMN) and provide real-time access to air quality data produced at New Mexico/Texas /Mexico air sheds.

- **Project Type 1:** Initiatives for this objective should aim to ensure the long term sustainability and data quality for the El Paso, Texas – Ciudad Juarez, Chihuahua air quality monitoring network.

Objective 5. - By 2020, reduce emissions and associated impacts through energy efficiency and/or alternative/renewable energy projects.

Possible projects could include: Border-wide training for border stakeholders in instituting and sustaining urban energy efficiency measures; green building training/workshops; forums in which states, localities, non-governmental organizations (NGOs) and industry can share program information and technologies; and energy efficiency co-benefits through reduction of criteria air contaminant emissions (stationary and vehicle sources)

GOAL 2: ***Water – Improve Access to Clean and Safe Water***

- **Project type 1:** Efforts under this goal should be targeted to capacity building proposals that incorporate replication strategies, on proper maintenance and/or decommissioning of septic tanks, water conservation and pollution prevention in order to better understand, plan and maintain cleanup sources of drinking water on future groundwater supplies in New Mexico-Texas-Chihuahua border, specifically in Dona Ana County, New Mexico (particularly those communities along the corridor between El Paso, Texas and Las Cruces, New Mexico) and Luna County, New Mexico and El Paso County, Texas.

Objective 2. - Help drinking water and wastewater service providers in the border region to implement sustainable infrastructure practices to reduce operating costs, improve energy efficiency, use water efficiently and adapt to climate change.

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- **Project type 1:** Conduct energy and/or water audits on small water drinking systems that serve communities with less than a population of 5,000 users, to identify recommendations on how to improve efficiency and provide cost-savings measures for that system.
- **Project type 2:** Outreach and education to improve water quality within the Gulf Task Force Region.

Objective 3. - Work bi-nationally to identify and reduce surface water contamination in Trans - boundary water bodies and watersheds.

Objective 3a. - Develop a binational watershed protection plan in the Lower Rio Grande below Falcon International Dam. Initial activities could include partnership building, watershed characterization, definition of goals/identification of solutions, determination of waste load, load allocations for each country, and development of an implementation plan.

- **Project type 1:** Continue to support activities that meet objective 3a– The proposals should address any water quality sampling and collection, data analysis, modeling and surveys still required by the bi-national workgroup on this project. In addition, the work should also support any additional training or workshops needed, among others, by the Amistad and Falcon Task Force, as well by the Texas-Coahuila-Nuevo Leon –Tamaulipas, Regional Work Group.

GOAL 3: ***Promote Materials Management & Waste Management, & Clean Sites***

Objective 1. - By 2020, increase local and state-level institutional knowledge and experience in the area of sustainable material management practices.

- **Project type 1**: Proposals should be aimed to build capacity and establish strategies to improve infrastructure to minimize waste, maximize collections systems, support secondary materials markets, and reduce overall disposal in landfills and open dumps.

Objective 2. - Identify priority waste streams and by 2020 develop sustainable material management practices that strengthen their respective market value.

- **Project type 1:** Identify priority waste streams in the municipalities from Four States region and develop sustainable waste management programs for those municipalities to include strengthening the market value of the waste.
- **Project type 2:** Develop sustainable management practices to address used electronics, household hazardous waste, and tires in the Region which will include an educational component to promote recycling and solid waste practices.

GOAL 4: ***Enhance Joint Preparedness for Environmental Response***

Objective 2. - By 2020, at least eight (8) of the sister city joint contingency plans will be supplemented with preparedness and prevention related activities such as certified training, risk analysis, and/or capacity building

- **Project type 1:** Conduct bi-national training to both U.S. and Mexican local emergency responders, on incidents involving Chemical, Biological, Radiological, Nuclear, or Explosive (CBRNE), and/or all

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hazards response skills enabling them to respond safely and effectively to these types of incidences.

- **Project type 2:** Conduct bi-national training to U.S. and Mexican local emergency responders, specifically on HAZMAT incidences only.
- **Project type 3:** Conduct bi-national: 1) tabletop drill with functional drill/exercise or 2) Full Scale Drill/Exercises to test local sister city plans. In order to meet the definition of bi-national, the drills/exercises should go beyond a simple notification to the local sister-city pair and demonstrate actual coordination of resources (expertise, equipment, personnel, etc.) between the sister-cities.
- **Project type 4:** Develop a hazardous materials risk analysis.

GOAL 5. – Enhance *Compliance Assurance and Environmental Stewardship*

Objective 4. - By 2020, implement at least five (5) binational workshops targeted to environmental enforcement professionals, including ports-of-entry customs professionals (i.e. Department of Homeland Security-Customs and Border Protection), to promote the exchange of information and improve understanding of each Country's respective compliance and enforcement programs and tools, including field studies.

- **Project type 1:** Proposals should consider events for information exchange to improve understanding each Country's respective compliance and enforcement programs and tools including field inspections and case development practices.

Fundamental Strategies

Promoting Environmental Health

- **Project type 1:** Projects presented under this fundamental strategy should increase engagement and participation by the community and stakeholders to better manage the environment and public health issues along the border.

Building Capacity towards Climate Change Resiliency

- **Project type 1**: The Border 2020 climate change efforts should focus on reducing greenhouse gas (GHG) emissions and on actions to help border communities become more resilient to the effects of climate change.

Summary of approved Work Plan activities performed during the reporting quarter.
Under this cooperative agreement, an RFP was issued in the U.S.-Mexico Border region of Region 6.

Projects in progress during reporting period:

Project ID	Goal / Fund. Strategy	Objective	Project Name
20288	1	1	Mejoramiento de servicios ambientales en ranchos ganaderos mediante el pastoreo, Ascensión, Chihuahua.
20283	1	5	Taller de eficiencia energética en sistemas de alumbrado público municipal, Reynosa, Tamaulipas.
20293	5	4	Reforma legislativa y educación ambiental, Nuevo Laredo, Tamaulipas.

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20286	3	2	Manejo integral de residuos electrónicos, Piedras Negras, Coahuila e Eagle Pass, Texas.
20290	2	3	The Rio Grande/Río Bravo Water Quality Initiative, Laredo, Texas.
20291	2	2	Fat, Oil and Grease (FOG) Public Outreach Campaign, Brownsville, Texas.
20292	2	2	Concientización al reglamento para el control de descargas, Matamoros, Tamaulipas
20294	3	1	Let's Clean it Up and Green it Up, Pharr, Texas

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

There are no performance outputs and outcome to report at the project level.

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.

Project 20292 *Concientización al reglamento para el control de descargas, Matamoros, Tamaulipas* (Public Awareness Program for the FOG Program in Matamoros), was cancelled due to conflicts with the existing legal framework to implement the wastewater municipal code. It was suggested to the sponsor to reapply in the next RFP, once the municipal program is legally approved.

Resolutions to Problems Previously Reported.

No problems have been reported.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

Coordinate with the sponsors the implementation of the projects in accordance with the approved Work Plans. Start the development of new Scopes of Work for proposed projects in coordination with the EPA.

Discuss what key personnel did on the project.

Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Briselda Duarte, Armando Herrerias and Jorge Hernandez manage the kick off and implementation of the projects in close coordination with EPA. Marielena Constandse prepared this report. Marielena Constandse, Abril Quiroz and Javier Torres provided RFP coordination and Grant Administration.

Discuss any changes in key personnel.

None

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.

N/A

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1

Summary of Quarterly Expenses by Category (Report Period April 1 to June 30, 2016)

Work Plan Tasks	Approved Work Plan Budget	Previously Expended	Expenses this Quarter	Total Cumulative Expenses
Task A - RFP	$30,000	$33,117.45	$0	$33,117.45
Task B - Projects	$323,182	$6,849.33	$29,954.88	$36,804.21
Task C - Logistics	$65,000	$0	$0	$0
Indirect Cost	$41,818	$3,996.68	$2,995.49	$6,992.17
TOTAL Cumulative Expenses	**$460,000**	**$43,963**	**$32,950**	**$76,914**

TABLE 2

Budget Categories (programmatic costs only)	Task A	Task B	Task C	TOTAL Quarterly Expenses
Personnel	$0	$0	$0	-
Fringe Benefits	$0	$0	$0	-
Travel	$0	$0	$0	-
Contractual	$0	$0	$0	-
Other (specify)	$0	$29,954.88	$0	$29,954.88
TOTAL Direct Charges	$0	$29,954.88	$0	$29,954.88

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Indirect Costs	$0	$2,995.49	$0	$2,995.49
TOTAL Cumulative Expenses	$0	$32,950.37	$0	$32,950.37

[1]EPA defines equipment as items that cost $5,000 or more with a useful life of more than one year. Items costing less than $5,000 are considered supplies.
[2]Applicants must comply with the procurement procedures contained in 40 CFR 31.36, or for non-profits, with 40 CFR30.40.

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** July 30, 2016

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ATTACHMENT "A"

THREE STATE (TX-CHIH-NM) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Goal / Fund Strategy	Objective	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20288	1	1	**Mejoramiento de Servicios ambientales en ranchos ganaderos mediante el pastoreo**	Universidad Autónoma de Chihuahua – Facultad de Zootecnia y Ecologia	Ascension, Chih.	Briselda Duarte (PM)	TBD TBD	$ 41,388.00	**Project Status:** The Technical Assistance Agreement (TAA) was transferred from the original project sponsor, the Universidad Autonoma de Chihuahua (UACH) to Texas A& M University-Kingsville (TAMUK) due to non-resposiveness from UACH administrators. Pending is the TAA signature from TAMUK.
							Amount Approved		$ 41,388.00	
							Amount Disbursed		$ -	

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2020 - 2015 PROJECTS

No.	Project ID	Goal / Fund Strategy	Objective	Project Name	Project Implementer / Contact Information	Project Location	BECC Contract Officer & Project Manager	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20283	1	5	**Taller de Eficiencia Energética en Sistemas de Alumbrado Público Municipal de Tamaulipas**	Secretaría de Desarrollo Urbano y Medio Ambiente	Reynosa, Tamps.	Briselda Duarte (PM)	2/22/2016 8/2/2016	**$9,385.00** **$ 3,802.15**	**Project Status:** Quarterly report delivered on May 26. Both trainings completed, project to finalize by August 2016.
2	20293	5	4	**Reforma Legislativa y Educación Ambiental**	Universidad Autónoma de Tamaulipas, Facultad de Comercio, Administración y Ciencias Sociales de Nuevo Laredo	Nuevo Laredo, Tamps.	Briselda Duarte (PM)	5/26/2016 5/2/2017	**$11,000.00**	**Project Status:** Quarterly report delivered on June 3, with a progress of 20%, with the following activities accomplished: on Task 1, 600 surveys were applied among students about recycling awareness. Task 2 building capacity includes activities for next quarter: perform forums, and start the negotiations between TAMIU and Laredo to exchange environmental information.
3	20286	3	2	**Proyecto de Manejo Integral de Residuos Electrónicos**	Grupo Ecológico Green Tec-Osos del Instituto Tecnológico de Piedras Negras	Piedras Negras, Coahuila and Eagle Pass, Texas	Jorge Hernandez (PM)	1/21/2016 7/18/2017	**$36,054.00** **$ 17,305.54**	**Project Status:** The activities perfomed during this period were: Design of logistics management and collection centers; selection and training of personnel involved in the project; establishment of procedures and methodology for collection of e-waste and start up of the two collection centers in Piedras Negras. In the next quarter the project sponsor will work with the city of Eagle Pass in the e-waste advertising campaign.
4	20290	2	3	**The Rio Grande/Río Bravo Water Quality Initiative, Laredo Texas**	The University of Texas at Austin	Laredo, TX.	Briselda Duarte (PM)	2/22/2016 8/31/2017	**$58,575.00**	**Project Status:** First quarterly report to be delivered on July with the complete list of potential stakeholders.
5	20291	2	2	**Fat, Oil and Grease (FOG) Public Outreach Campaign, Brownsville, Texas**	Brownsville Public Utilities Board	Brownsville, TX.	Briselda Duarte (PM)	2/22/2016 2/2/2017	**$25,000.00**	**Project Status:** First quarterly report delivered on May 2016, with an 11% progress. TV and radio spots ongoing, online and live presentations to civic clubs performed during April and May 2016. Reduction of 16% of FOG maintenance calls compared to last year during the period of Feb-April.

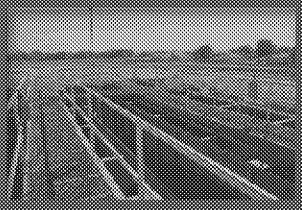
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	20294	3	1	**Let's Clean it Up and Green it Up, Pharr, Texas**	City of Pharr, Recycling Center	Pharr, TX.	Jorge Hernandez (PM)	2/22/2016	**$36,390.00**	**Project Status:** Activities perfomed during this period include: the purchase of products and supplies for campaign, and stormwater and recycling workshops were carried out. For next quarter the purchase of a recycling trailer is expected, the establishment of a tire storage area, and the acquisition of 95 gallon bins.
								4/2/2017	**$ 15,696.52**	

Amount Approved	$	201,404.00
Amount Disbursed	$	36,804.21

Total Approved	$	242,792.00
Total Disbursed	$	36,804.21

Updated June 30, 2016

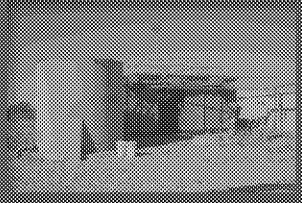
EPA Region 6



QUARTERLY REPORT

April –June 2016

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6
X4-00F59501



Submitted by:
Javier Torres, Technical Assistance Manager

Comisión de Cooperación Ecológica Fronteriza
Border Environment Cooperation Commission

QUARTERLY STATUS REPORT

US-MEXICO COOPERATIVE AGREEMENT
Implementation of Border 2020 Program
EPA-Region 6

GRANT: X4-00F59501-3

Grant Period: Sep. 6, 2012 – Jan. 1, 2017

REPORTING PERIOD:

April - June 2016

TO:
Monica Wilson
U.S. EPA, Region 6 (6PD)
Environmental Protection Specialist

FROM:
Javier Torres
Border Environment Cooperation Commission
Technical Assistance Manager

July 30, 2016, Cd. Juárez, Chihuahua, México

US Mexico Border 2020 Environmental Program - Quarterly Grant Status Report

Grant Title:	**Grant Agreement No.**
US – Mexico Border Cooperative Agreement Implementation of EPA Region-6 Border 2020 Program	X4-00F59501

Contact:

Primary Contact Name: **Javier Torres**
Organization: Border Environment Cooperation Commission
Telephone & Fax: 01-656-688-4600 Email: jtorres@cocef.org

Reporting Period (please check appropriate period):

- ☐ January 1 – March 31, 2014, Reporting period: report due on April 30, 2014
- ☐ April 1 – June 30, 2014, Reporting period: report due on July 30, 2014
- ☐ July 1 – September 30, 2014, Reporting period: report due on October 30, 2014
- ☐ October 1 – December 31, 2014, Reporting period: report due on January 30, 2015
- ☐ January 1 – March 31, 2015, Reporting period: report due on April 30, 2015
- ☐ April 1 – June 30, 2015, Reporting period: report due on July 30, 2015
- ☐ July 1 – September 30, 2015, Reporting period: report due on October 30, 2015
- ☐ October 1 – December 31, 2015, Reporting period: report due on January 30, 2016
- ☐ January 1 – March 31, 2016, Reporting period: report due on April 30, 2016
- ☒ April 1 – June 30, 2016, Reporting period: report due on July 30, 2016
- ☐ July 1 – September 30, 2016, Reporting period: report due on October 30, 2016
- ☐ October 1 – December 31, 2016, Reporting period: report due on January 30, 2017

Check here if this is the final reporting period under your grant

Please explain any current of expected growth of your project. If there is growth potential, have you consulted with other partners for further or future leveraging of funds, for continuing the project after funding from the Environmental Protection Agency ends?

Not considered during this period.

Indicate the goal(s) and objective(s) of the Border 2020 Framework Document that this grant is addressing (http://www.epa.gov/border2020)

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Goal #1: Reduce Air Pollution

- ☒ Continue to focus on air pollution reductions in binational airsheds
- ☒ By 2018, maintain effective air quality monitoring networks and timely access to air quality data
- ☒ Reduce greenhouse gas emissions through energy efficiency and alternatives or renewable energy projects

Goal #2: Improve Access to Clean and Safe Water

- ☒ By 2015, increase homes connected to safe drinking water (DW) and waste water (WW) treatment
- ☒ Help DW and WW utilities become more efficient and sustainable
- ☒ Reduce levels of metals, sediment, or bacteria entering rivers and watersheds

Goal #3: Promote Materials and Waste Management and Clean Sites

- ☒ Develop capacity to improve collection and recycling of e-waste, plastics, and trash
- ☒ Develop scrap tire pile prevention and recycling capacity
- ☒ Develop institutional capacity to clean up contaminated sites
- ☒ Continue to share information on border area hazardous waste facilities

Goal #4: Enhance Joint Preparedness for Environmental Response

- ☒ Update eight sister city joint contingency plans with risk identification and reduction of all hazards
- ☒ Facilitate easier trans-boundary movement of equipment and personnel
- ☒ Continue updating the U.S.-Mexico Joint Contingency Plan

Goal #5: Compliance Assurance and Environmental Stewardship

- ☒ Improve information sharing between enforcement agencies on the movement of hazardous waste across the border

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☒ Use Toxics Release Inventory (in the U.S.) and the Emissions and Contaminant

☒ Transfer Registry (RETC, in Mexico) to identify top polluters of toxic releases

☒ Training and information exchange on laws and regulations of respective countries

Summary of approved Work Plan activities performed during the reporting quarter.

Five projects concluded their work plan activities in this quarter. One project remains underdevelopment.

Summary of the Work Plan performance outputs/outcomes achieved during the reporting quarter.

The following five projects concluded during the reporting period:

- Conservación del Arroyo Las Vacas, Ciudad Acuña, Coahuila
- Alamo Recycling TEAM Includes Everyone (ARTIE), Alamo, Texas
- Planeación de un modelo de información de la frontera Texas/México
- Ysleta del Sur Pueblo Community Collection Center, El Paso, Texas
- Promotora-Led Environmental Health Education for Children, Eagle Pass, Texas

For more detailed information please review Attachment "A"

Are you on track with your timeline? **Yes** ☒ **No** ☐

A description of problems encountered during the reporting quarter that may affect the project schedule and a discussion of meeting the performance outputs/outcomes.
No problems have been reported.

Resolutions to Problems Previously Reported.
No problems have been reported.

Activities Anticipated/Planned for Next Three Months and Budgeted Costs.

Coordinate with the sponsors the implementation of the remaining project in accordance with the approved Work Plans.

Also, start the development of new Scopes of Work for proposed projects in coordination with the EPA.
The budgeted costs per project are located in Attachment "A"

Discuss what key personnel did on the project.
Joaquin Marruffo provided overall project coordination as well as the communication with EPA. Briselda Duarte, Armando Herrerias and Jorge Hernandez coordinated and monitored work plan activities of the projects in coordination with EPA. Marielena Constandse prepared this report. Marielena Constandse, Abril Quiroz and Javier Torres provided internal contract and grant administration and grant administration coordination with EPA.

Discuss any changes in key personnel.
None

Please name any significant partner organizations that you (as the lead organization) have for this project, who are taking responsibility for substantial portions of implementation.
N/A

BUDGET SUMMARY - Include information on the expenditure of grant agreement funds during the quarter and cumulatively by task in the provided budget tables. The tasks should correspond to the tasks outlined in your approved grant agreement work plan and the tables may be expanded accordingly. In addition, include in your narrative an estimate of funds needed to complete the work required in the grant agreement compared to the funds remaining in the grant agreement. ***Note: This section does not substitute for the annual financial status report (SF-269) required by the grant agreement.***

TABLE 1

Summary of Quarterly Expenses by Category (Report Period April 1 to June 30, 2016)

Work Plan Tasks	Approved Work Plan Budget	Previously Expended	Expenses this Quarter	Total Cumulative Expenses
Task A- Logistics	$32,870	$32,870	$0	$32,870
Task B- RFP	$40,972	$40,972	$0	$40,972
Task C- Projects	$ 700,158	$483,071	$65,022.91	$548,094
Task D- BECC Presence	$ 29,636	$12,675	$2,462.61	$15,137
Task E- Emergency Response	$45,455	$45,455	$0	$45,455
Indirect Cost	$84,909	$61,504	$6,748.55	$68,252
TOTAL Cumulative Expenses	**$934,00**	**$676,546**	**$74,234**	**$750,780**

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TABLE 2						
Budget Categories (programmatic costs only)	**Task A-Logistics**	**Task B-RFP**	**Task C-Projects**	**Task D-BECC Presence**	**Task E-Emergency Response**	**TOTAL Quarterly Expenses**
Personnel	$0	$0	$0	$2,104.55	$0	$2,104.55
Fringe Benefits	$0	$0	$0	$292.32	$0	$292.32
Travel	$0	$0	$0	$65.74	$0	$65.74
Contractual	$0	$0	$0	$0	$0	$0
Other (specify)	$0	$0	$65,022.91	$0	$0	$65,022.91
TOTAL Direct Charges	$0	$0	$65,022.91	2,462.61	$0	$67,485.52
Indirect Costs	$0	$0	$6,502.29	$246.26	$0	$6,748.55
TOTAL Cumulative Expenses	$0	$0	$71,525.20	$2,708.87	$0	$74,234.07

[1]*EPA defines equipment as items that cost $5,000 or more with a useful life of more than one year. Items costing less than $5,000 are considered supplies.*

[2]*Applicants must comply with the procurement procedures contained in 40 CFR 31.36, or for non-profits, with 40 CFR30.40.*

What is the geographic scope of your project implementation? *(Include whether it is within the Tri-State and/or Four-State Region of Border 2020, whether implementation takes place in both the U.S. and Mexico, and any more specific implementation.)*

The geographic scope of this award covers the Tri-State Region, which includes the states of New Mexico, Chihuahua and the West Texas region; and the Four-State Region which includes the rest of Texas, Coahuila, Tamaulipas and Nuevo Leon.

I certify that this report is true and correct, project is on schedule except as noted, and funds are being utilized as planned and agreed to in the award document.

Signature of Project Official:

Printed Name: Javier Torres

Title: Technical Assistance Manager **Date:** July 30, 2016

Within 30 days following the end of each quarter, please submit this report to your EPA Project Officer.

ATTACHMENT "A"

THREE STATE (TX-CH-NM) BORDER 2020 - 2013 PROJECTS										
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20249	1	Mejoramiento de la Red de Monitoreo de PM10 en Ojinaga	Municipio de Ojinaga, Chihuahua	Ojinaga	CHIH	JH	4/15/2014	$ 13,175.35	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * A network of monitoring of PM10 fully functional. * Three training events for technical personnel * Development of a Communications Plan for air quality data through local media and information materials.
				Ing. Miguel Adame Baeza moadameb@hotmail.com, (626)453-2541			AQ	17 months	$ 13,175.35	
2	20260	2	Sustaining the Environment at the New Mexico-Chihuahua Border	New Mexico Environment Department	Columbus, Deming	NM	BD	11/4/2014	$ 36,953.43	**Project Status:** This project concluded on December 2015. $63,037 dlls. were returned to the grant. Some of the project significant contributions were: * Completion of two presentations on health impacts and effective, low-cost methods for controlling blowing sand and soil. * Completion of four septic maintenance workshops. * Organization of the largest ever water festival held in Columbus, NM.
				Ms. Mary Rose Mary.Rose@state.nm.us			MC	13 months	$ 36,953.43	
3	20240	2	Comunidades Unidas en Prevencion de la Contaminacion Ambiental	Adult Youth United Development Association INC	Montana Vista, Cuadrilla, Tornillo	TX	BD	5/1/2014	$ 49,776.41	**Project Status:** This project concluded on September 2015. Some of the project significant contributions were: * Training program outreach, 2,332 people *Identification of septic tanks with GIS, 467 houses *Surveys conducted, 462 *Creation of mapping and database in Cuadrilla, Montana Vista, Tornilo, and Valle Bonito at El Paso County
				Olivia Figueroa Executive Director ayudaorg1@yahoo.com, (915) 851-0272			AQ	16 months	$ 49,776.41	
4	20262	3	Ysleta del Sur Pueblo Community Collection Center	Ysleta del Sur Pueblo	El Paso	TX	JH	10/1/2014	$ 66,470.00	**Project Status:** Project finished on April 2015. The main results of the project were: * Collection of a total of 250 tires. * 10,800 pounds of electronic waste collected. 42.35 lbs per household during a 14 month period an estimate of 1.4 lbs per household per month. * 5,420 pounds of recyclables collected. 21.25 lbs per household in a 14 month period an estimate of 4.3 lbs per household per month.
				Evaristo Cruz, ecruz@ydsp-nsn.gob (915)859-7913 ext 7755			MC	18 months	$ 65,776.92	
5	20247	3	Reciclaje de Biosolidos en Suelos Agricolas del Valle de Juarez, Chihuahua	Universidad Autónoma de Ciudad Juárez	Valle de Juárez	CHIH	JH	4/13/2014	$ 28,329.78	**Project Status:** The Project was concluded on December 2015. Some of the project significant contributions were: The project established a sustainable program on agricultural use of biosolids, through 15 demonstration hectares. Important outputs are: * Establish a program promoting the adoption by farmers on the use of biosolids on agricultural land. * A list of volunteer farmers to continue the application of biosolids on 100 hectares in 2015 * Three field demonstrations, educational materials for 150 producers and agricultural technicians in the region.
				Dr. Juan Pedro Flores Margez Tels. 656-688-1800 ext. 1561, 1976 y 1671			AQ	19 months	$ 28,329.78	
				Servicos Agropecuarios Paso del Norte, SC	Valle de Juárez	CHIH	JH	4/1/2014	$ 8,406.38	
				Lic. Ana Irene Flores Arras			AQ	19 months	$ 8,406.38	

6	20248	**Environmental Health**	Urban Keyhole Gardens using Rain Water Harvesting Techniques	El Paso Water Utilities Ana I. Padilla El Paso Water Utilities Phone: 915.621.2000 Email: apadilla@epwu.org	El Paso	TX	AH AQ	4/7/2015 13 months	$ 6,120.08 $ 6,120.08	**Project Status:** This project concluded on May, 2015. Some of the project significant contributions were: 14 educational events, with a total of 956 attendees. The overall acceptance of the keyhole gardens, as a vegetable gardening option was well received by the public that attended the various workshops. Final report has been submitted and approved.
7	20250	Environmental Health	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] AQ	[illegible]	$ [illegible]	Project Status: [illegible]

$ 252,519.44
$ 208,750.36

FOUR STATE (TX-COAH-NL-TAMPS) BORDER 2012 - 2013 PROJECTS										
NO.	PROJECT ID	B2020 GOAL	Name	Project Implementer / Contact Information	Project Location	State	PM	TAA signed / Period Of Performance	Amount Approved / Amount Disbursed	STATUS
1	20241	1	Characterizing Drayage Activities and Emissions in Laredo-Nuevo Laredo Airshed	Texas A&M Transportation Institute (TTI) Farzaneh, Reza Research Engineer m-farzaneh@tamu.edu (512) 407-1118	Laredo	TX	JH AQ	9/1/2014 18 months	$ 89,750.00 $ 89,750.00	**Project Status:** The project concluded on March 2016. Some of the project significant contributions were: Important air quality impacts of drayage trucks in the region; specifically, the results show that the Colombia bridge crossing is the most utilized port of entry in the region, and is associated with relatively high emissions caused by high truck volumes and slow speeds, therefore high emissions adjacent to urban area of both Laredos.
2	20258	2	Determining the Ideal Bioswale Material for South Texas Stormwater Management	The University of Texas Pan American Jungseok Ho, Ph.D., P.E. (956) 665-3104, hoj@utpa.edu	Edinburgh	TX	AH AQ	12/1/2014 24 months	$ 26,022.00 $ 16,460.61	**Project Status:** • Positive results of stormwater volume reduction, peak flow reduction, peak time attenuation, and filtration have been monitored by comparing these data with the conventional parking lot with no bioswale system. • It is required to extend the time to complete the project, given the shortage of storm events during this period, monitoring enough hydrologic performances of the bioswale system in the parking lots was not possible. • Laboratory bioswale modeling test was not possible to start, because the hydrologic performance of bioswale was not fully tested yet due to the shortage of monitoring data. Primary purpose of the laboratory modeling test is to determine the ideal mixture of the individual porous materials which are currently tested.
3	20245	2	Conservación del Arroyo Las Vacas en Ciudad Acuña, Coahuila, México	SECRETARIA DE MEDIO AMBIENTE DEL ESTADO DE COAHUILA Alejandra Carrera alejandra.carrera@semarnat.gob.mx (844) 4100014	Acuña	COAH	BD AQ	7/14/2014 22 months	$ 44,209.00 $ 34,605.92	**Project Status:** The project concluded on May 2016. Some of the project significant contributions are: a) Binational group created among SEMA Coahuila, TCEQ, Acuna City, Tec of Acuna, CILA, IBWC, UT Austin CONANP. b) Diagnostic Report with inventory data of existing vegetation and species along the 26km of the Acuna river, GIS maps accessible to the public. c) Close out of 35 wastewater illegal dumping sites in 2015. d) Reforestation with 225 native trees. e) Binational workshop on water quality with Tecnologico de Acuña and Texas A&M at Austin.
4	20246	1	Diagnóstico de generación de residuos en la región fronteriza noreste	Secretaría de Desarrollo Sustentable, Gobierno del Estado de Nuevo León Lic. Norma Rangel Sevilla, normaarangel@gmai.com, (81)2033-1938	Sabinas Hidalgo, NL	NL	JH MC	4/1/2014 16 months	$ 17,457.39 $ 17,457.39	**Project Status:** This project concluded on August 2015. Some of the project significant contributions were: * Characterization of waste in the municipality. * Generation of a manual on handling e-waste. * Action plan developed

5	20243	3	Keeping Pharr Beautiful Starts at Home	City of Pharr, Public Works Department Grace Segovia, M.A. City of Pharr, Public Works Department Phone: (956) 402-4350 grace.segovia@pharr-tx.gov	Pharr	TX	AH AQ	4/7/2014 20 months	$ $	19,830.86 19,830.86	**Project Status:** This project concluded on December 2015. Some of the project significant contributions were: * The reduction in illegal dumping cases from 350 in 2013 to 300 in 2014. * The number of tires collected by city workers decreased from 4,991 in 2013 to 4,528 in 2014.
6	20255	3	Alamo Recycling TEAM Includes Everyone (ARTIE)	City of Alamo Melisa Gonzales Storm Water Manager Phone: 956-787-0006 x 140 mgonzales@alamotexas.org	Alamo	TX	AH AQ	4/21/2014 24 months	$ $	54,536.00 50,375.16	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven sanitation model that can be easily replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implementation of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
7	20253	3	Manejo, Gestión y Control de Grasas y Aceites	Comisión Municipal de Agua Potable y Alcantarillado Marisela Flores floresmarisela@hotmail.com (867) 712-5399	Nuevo Laredo	TAMPS	BD MC	6/1/2014 17 months	$ $	32,533.50 6,497.10	**Project Status:** This project concluded on February 2016. Some of the project significant contributions were: 420 establishments trained, giving them the necessary tools to establish procedures in its companies to raise their compliance, to strengthen the compromise among employees, creating a synergy with the operator body. 54 of these establishments will continue to be monitor by COMAPA to ensure environmental compliance and 13 establishments set up fats and oils traps. 82% of visited users comply with established procedures and are implementing the strategies presented in the workshop.
8	20252	Environmental Health	Promotora Ltd Environmental Health Education for Children	La Amistad AHEC / Southwest Border AHEC Rose Martinez 830.758.1111 rose.martinez@sobahec.org	Eagle Pass	TX	AH MC	6/16/2014 17 months	$ $	69,083.50 69,083.50	**Project Status:** Project concluded on May 2016. Some of the significant project contributions are: 1. Development and implementation of a proven Sanitation Model that can be successfully replicated in other drains in Mexicali and other border cities. 2. Established the governance structure for the implementation of this model in other drains in Mexicali that ensures continued collaboration and coordination among government agencies, non-governmental organizations, and community groups. 3. Community members along the International Drain believe, once again, that illegal dumping in the drain can be eliminated.
9	20251	Environmental Health	Planeación de un Modelo de información de la frontera Texas/México	El Colegio de la Frontera Norte, A.C. Dr. Felipe Javier Uribe Salas Tel. (878) 782 7207	Piedras Negras	COAH	BD MC	5/15/2014 18 months	$ $	19,380.15 19,380.15	**Project Status:** The project concluded on April 2016. Some of the project significant contributions are. a) Identification of agencies who manage health information in the region. b) Organization of a working group to discuss the information on environment and health, among: TCEQ, COLEF, SEMA Coahuila, Texas A&M McAllen Campus. c) MOU agreement between Colef and SEMA Coahuila to share health information and define health indicators.

				Texas A&M HSC	Piedras Negras	COAH	BD	5/15/2014	$	15,658.30	d) Diagnostic report with the identification of sources of environmental information with health associated diseases.
				Dr. Gerry Carrillo Phone: 956.568.6321 gcarrillo@tamhsc.edu			MC	18 months	$	15,568.30	
10	20270	Environmental Health	McAllen-Mission-Pharr/Reynosa Hazards in Transportation Binational Training and Exercise.	City of McAllen	McAllen	TX	BD	4/28/2015	$	45,455.00	**Project Status:** This Project concluded on December 2015. Some of the project significant contributions were: * Update of the Regional Sister City Plan e-directory * Training on HAZMAT response on international border crossing on Sept. 2015
				Juan Gloria (956)681-2540 jgloria@mcallen.net			MC	8 months	$	45,455.00	
									$	434,208.70	
									$	384,463.99	

Updated June 30, 2016