EPA MOROCCO PROGRAM STUDY TOUR PROPOSAL

Objective: To develop a study tour to the U.S. for Moroccan partners that will facilitate the exchange of best practices to enhance capacity for the improvement of Integrated Solid Waste Management. This study tour will follow-up on EPA collaboration with Moroccan partners at the central, provincial and commune level. This includes follow-up on solid waste management, public participation and crisis communication training and support given to El Kelaa Province to assist them in implementing their provincial Solid Waste Management Plan, as well as developing local approaches such as community-based recycling and source separation.

Timing: Fiscal Year 2020; approximately seven working days in the US

Locations: Washington, D.C, Seattle, WA, and San Francisco, CA

Recommended Participants: Between 7-10 participants from the stakeholders listed below.

- Secretariat of Environment and Sustainable Development (SEDD)
  - 2 SWM staff from SEDD Headquarters in Rabat
  - Karam Amzil, Engineer in charge of coordinating the SWM Plan for El Kelaa, at SEDD's Regional Environment Office in Marakkech
- Province of El Kelaa des Sraghna *(5)*
  - Mr. Mohammed Firadi, Head of the Division of Urbanism and Environment
  - 2 staff who work with Mr. Firadi on SWM
  - 1 engineer or technician working on SWM with from the commune-level
  - Khalid Ziad, teacher and head of AESVT (NGO working on SWM)
  - Rkia Bisnas, teacher and treasurer of AESVT (NGO working on SWM)
- Rabat Landfill
  - 1 or 2 SWM staff from the Rabat landfill, possibly including the lead of their waste pickers association

EPA Involvement: EPA officials from the Office of International and Tribal Affairs (OITA), and Region 9 and 10 Offices.

Possible Activities: Approximately seven working days in the US

Washington, DC – Two Days and Three nights

- Stakeholders from Morocco travel to EPA headquarters in Washington, DC. They will meet with and receive presentations on EPA Solid Waste Management activities from headquarters officials with expertise in this area.

- EPA will also facilitate a meeting for the visiting stakeholders with DC government officials working on Solid Waste Management. The stakeholders will receive a presentation from city officials and visit a local landfill and material recovery center to gain first-hand knowledge of Solid Waste Management techniques used by local officials.

Seattle, Washington – Three Days and Two nights

- Stakeholders from Morocco will depart Washington, DC and travel to Seattle Washington. They will meet with and receive presentations from EPA Region 10 officials (particularly those working with the Resource Conservation and Recovery Act, or RCRA, program) on Solid Waste Management activities in the region.

- Stakeholders from Morocco will meet with City of Seattle officials to receive information on and participate in site visits on "Zero Waste" program initiatives. This will include a visit to the City of Seattle education center.

- Stakeholders from Morocco will visit an active landfill in the area and receive information on OSHA principles related to handling solid waste materials. This visit will focus on biogas capture and landfill gas energy projects if possible. There will also be a visit to an incineration facility as El Kelaa partners requested.

- Stakeholders from Morocco will meet with representatives from the Bill and Melinda Gates foundation to learn about this initiative and explore possible areas for collaboration.

Weekend in Seattle, Washington, or San Francisco, California

San Francisco, California – Two days and Two nights

- Participants will depart Seattle, Washington and travel to San Francisco, California

- Stakeholders will participate in meetings with EPA Region 9 Staff and Leadership (0.5 day) – San Francisco, CA
    - Learning challenges/issues from tour participants
    - 1-2 hrs of presentations by Zero Waste Team
    - Enjoy a Zero Waste lunch at San Francisco restaurant where recycling and composting is mandatory.

- Meeting with San Francisco Department of the Environment - San Francisco, CA
    - Discuss waste issues in the city and Zero Waste initiatives the city has taken, including management of waste generated by the homeless population.

- Participants will participate in Recology Pier 96 Recycling Plant Tour

- Tour/Informational meeting: Recology Recycling Center and Artist in Residence (AIR) Program
    - The Artist in Residence (AIR) Program at Recology San Francisco is a unique art and education program that provides Bay Area artists with access to discarded

materials, a stipend, and a large studio space at the [HYPERLINK "https://www.recology.com/recology-san-francisco/sf-transfer-station/"]

- Tour of Urban Ore - Berkeley, California
  - Urban Ore is a large successful reuse center business salvaging, sorting and selling building materials and consumer goods that are picked out of the City of Berkeley's waste and donated and sold to the company.

- Tour of Jepson Praire Organics – Vacaville, California
  - Jepson Prairie Organics (JPO), located east of Vacaville, California is one of the largest food scrap composting operations in the nation.

- Participants will complete any necessary evaluations and provide any necessary feedback to EPA officials before departure.

- Participants will depart for Morocco.

Study Tour Funding Estimate:

- Flight:

  International Flight per person - $3,144.93

  Domestic Flight per person - $326.60

  Total = $3,473.53

- Lodging and Per diem

  approximately $3,203 per person

  Total Travel per person = $6,640.53

  Total Travel for 7 participants = $46,483.71