Imperial County/Mexicali PM and ozone air alert and forecast mobile app and website

CARB continues to manage the Imperial County air quality website and mobile application that provides public access to real-time local air quality data, air alerts, air quality forecasting, and health impact information. Information on the website and mobile application is provided in English and Spanish. The website includes information from air quality monitoring stations in Imperial County and Mexicali. The website address is [HYPERLINK "https://gcc02.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.imperialvalleyair.org%2F&data=04%7C01%7CRyan.Atencio%40arb.ca.gov%7C2a853b1f3cf74a63473808d97952a536%7C9de5aaee778840b1a438c0ccc98c87cc%7C0%7C0%7C637674218121557498%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=24dNWyILm8GO%2BsQleUNHVCGHLmpa%2BQ8%2F1IVta186BKM%3D&reserved=0"]. The current contract term ends September 30 2021. CARB is in the process of completing the amendment to extend the project duration for an additional year, through September 30 2022.

Mexicali PM Study

CARB contracted with SCS Engineers to operated two monitoring sites in Mexicali. Ambient monitoring began in October 2020. Preliminary PM mass data is accessible in near real-time through AirNow and AQMIS. Validated PM mass data for October 2020 through July 2021 have been uploaded to AQS. Speciated PM mass data for October 2020 through June 2021 have been uploaded to AQS. Ambient monitoring will continue through September 2022. Data from this study will be used to help identify sources of PM and the extent of PM pollution transport in this border region.

Mexicali monitoring station support

CARB has completed acquisition of the spare parts and most parts have been handed off to SPA staff. CARB staff are continuing to work with SPA staff to coordinate the transfer of the rest of the spare parts acquired for this project.

Salton Sea Community and Researchers Task Force

CARB Research Division held a number of meetings with community participants, coordinated with Office of EJ. These meetings were held virtually or via phone conference during 2021. Currently, the project is planning to release an RFQ by mid October 2021 to

secure a facilitator for the proposed work group. The project plans for facilitated community group – researcher meetings in the Winter of 2021/2022.

Revise on-road motor vehicle emissions in Baja CA

Emission Inventory project to update the fleet characteristics in Mexicali, Tijuana and Tecate and to improve the current MOVES-Mexico model. The project focuses on collecting the year, make, model, and, emission factor and other characteristics of vehicles in the Mexican side of the border and this data will be used to update the border vehicle fleet. The contract was officially executed in Sep 2021 and CARB will work collectively with the contractor (Eastern Research Group, Inc.) on this project. The field work in Mexico is projected to take place by the end of the year.

Assist the City of Tijuana set up a 50-sensor network

CARB is currently working with the City of Tijuana to establish a 50 particulate matter low-cost sensor network in 2021. As of September 2021, Memorandum of Understanding has been agreed to and approved by both CARB and City of Tijuana. MOU is currently being finalized for signature by both parties. Once MOU is signed, the sensors will be handed to the city of Tijuana for deployment.