

AQRP Monthly Technical Report

PROJECT TITLE	Emission Inventory Development and Projections for the Transforming Mexican Energy Sector	PROJECT #	19-023
PROJECT PARTICIPANTS	The University of Texas at Austin (UT Austin) Ramboll	DATE SUBMITTED	6/8/2019
REPORTING PERIOD	From: 5/1/2019 To: 5/31/2019	REPORT #	8

A Financial Status Report (FSR) and Invoice will be submitted separately from each of the Project Participants reflecting charges for this Reporting Period. I understand that the FSR and Invoice are due to the AQRP by the 15th of the month following the reporting period shown above.

Detailed Accomplishments by Task

Task 1. Base Year Emission Inventory Estimates

Upstream Sector

Regulatory emission control requirements that would result in substantial flaring at Mexico upstream well sites are not required at this time; however, it is suspected that flaring controls may be used at upstream well sites as a safety measure. Circa-2012 screening level flaring emission estimates were available for Mexico from Shah et al. (2018). In order to generate emissions estimates representative of natural gas flaring for 2016, projection factors were calculated as the basin-specific annual gas production for 2016 relative to 2012. The resulting projection factors were applied with the 2012 emissions to estimate emissions for 2016.

As reported previously, the team has developed emissions estimates for onshore and offshore oil and gas drilling and producing well sites in Mexico's northern Burgos and Sabinas basins as well as the central and southern basins of Sureste, Tampico-Misantla, and Veracruz that were active during 2016. Emphasis this month has been on quality assurance and documentation of the methodology and results.

Midstream Sector

As reported previously, emission estimates for natural gas compressor stations and natural gas processing plants in Mexico that were active during 2016 have been completed along with documentation of the methodology and results for these sources.

Electric Generating Units

As reported previously, an emissions inventory for Mexico's electric power sector has been completed, along with documentation of the methodology and results for these sources.

Task 2. Mexico Bid Rounds and Future Projection Scenarios

No new activities to report.

Preliminary Analysis

As above.

Data Collected

As above.

Identify Problems or Issues Encountered and Proposed Solutions or Adjustments

None.

Goals and Anticipated Issues for the Succeeding Reporting Period

The results of the upstream sector bid rounds will be compiled in preparation for Task 2. Quality assurance activities and reporting will continue.

Detailed Analysis of the Progress of the Task Order to Date

The project is proceeding as planned.

Do you have any publications related to this project currently under development? If so, please provide a working title, and the journals you plan to submit to.

Yes No

Do you have any publications related to this project currently under review by a journal? If so, what is the working title and the journal name? Have you sent a copy of the article to your AQRP Project Manager and your TCEQ Liaison?

Yes No

Do you have any bibliographic publications related to this project that have been published? If so, please list the reference information. List all items for the lifetime of the project.

Yes No

Do you have any presentations related to this project currently under development? If so, please provide working title, and the conference you plan to present it (this does not include presentations for the AQRP Workshop).

Yes No

Do you have any presentations related to this project that have been published? If so, please list reference information. List all items for the lifetime of the project.

Yes No

Submitted to AQRP by

Elena McDonald-Buller