

Discipline	Title
AQ	<u><a href="#">NAAQS Exemption Level Study</a></u>
AQ	<u><a href="#">Year 2014 Gulf-wide Emissions Inventory Study</a></u>
AQ	<u><a href="#">Enhancing the Capability of a New Meteorological Model for Air Quality and Other BOEM Applications in the Gulf of Mexico</a></u>
PO	<u><a href="#">Coral Reef Ocean Acidification Sentinel Site in the Flower Garden Banks National Marine Sanctuary</a></u>
PO	<u><a href="#">Testing Chang and Oey' s (2011) Gulf of Mexico Oscillator Hypothesis: A Field Program</a></u>



- **Background**

- Coordinate air pollution control regulations between OCS offshore sources and state's onshore sources. States use offshore emissions in modeling to show compliance with the NAAQS.
- Estimate greenhouse gases from offshore activity.
- Enhances our NEPA process by providing an accurate inventory to compute emission trends
- Perform necessary air quality impact assessments



- **Relevance to BOEM**

- BOEM will use the 2014 emissions inventory to support preparation of Environmental Impact Statements and Assessments, and assess emissions trends.

- **Objectives**

- To develop a year 2014 gulf-wide air emissions inventory of OCS sources (platform and non-platform) for carbon monoxide (CO), sulfur dioxide (SO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), particulate matter (PM<sub>10</sub> and PM<sub>2.5</sub>), hydrocarbons (VOC), carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), and nitrous oxides (N<sub>2</sub>O).



- **Methods**

- Update GOADS and DBMS software as necessary
- Collect and compile emissions activity data OCS facilities and vessels.
- Quality control and assurance.
- Calculate a total emissions inventory, by pollutant, using the existing Database Management System

- **Products**

- Final ACCESS database of platform emissions
- Final ACCESS database of non-platform emissions
- Final Report



- **Cost Breakdown**

- Collection of Activity Data- ~\$60K
- Calculation of Emissions- ~\$120K
- Final Report and Database- ~\$120K
- Updating software, training and workshop, QA/QC- ~\$50K
- Total Cost-~\$350K

