

## **Year 2014 Gulfwide Emissions Inventory Study**

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BOEM is required to comply with the National Ambient Air Quality Standards (NAAQS) to the extent that OCS offshore oil and gas exploration, development, and production sources do not significantly affect the air quality of any state. To assess the emissions of offshore oil and natural gas production activities and their potential impacts, BOEM sponsored the *Year 2014 Gulfwide Emissions Inventory Study*. The 2014 Gulfwide emissions inventory will assist states and regional planning organizations that conduct modeling for State Implementation Plan (SIP) demonstrations and will be used to enhance the BOEM National Environmental Policy Act (NEPA) process.

Pollutants covered are the criteria pollutants and precursors, as well as three major greenhouse gases. BOEM collected activity data from 1,651 active offshore oil production platforms in the Gulf of Mexico on the OCS. The monthly activity data were combined with emission factors to calculate the emissions. Non-platform sources are also included in the inventory, such as pipelaying, drilling, support, and commercial marine vessels. Calendar year 2014 activity data for non-platform sources were collected from sources including PortVision (Automatic Identification System (AIS) data source), Rigzone, BOEM, and NOAA, and combined with emission factors to develop emission estimates. Non-platform emission estimates were allocated using the AIS data to lease blocks and areas.

Emission estimates for all oil and gas production sources in the inventory show a decrease in the overall annual emission estimates compared to the 2011 Gulfwide inventory. A detailed emissions trends analysis was conducted to evaluate this trend.

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