

Year 2017 Emissions Inventory Study

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To assess the potential impacts of offshore oil and natural gas production and their associated emissions, BOEM sponsored the *Year 2017 Emissions Inventory Study*. The 2017 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 to be covered are the criteria pollutants and precursors, as well as three major greenhouse gases. BOEM will collect activity data from offshore oil production platforms in the Gulf of Mexico on the OCS using the 2017 Gulfwide Offshore Activities Data System (GOADS-2017). The monthly activity data will be combined with emission factors to calculate the emissions. The inventory will also include non-platform sources, such as pipelaying, drilling, support, and commercial marine vessels. Calendar year 2017 activity data for non-platform sources will be 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 will be allocated using the AIS data to lease blocks and areas.

The methods to collect and QA/QC the activity data, develop the platform and non-platform source emission estimates, and allocate the non-platform emission estimates throughout the OCS will be discussed in detail in the study report, and the resulting emission estimates will be presented and evaluated.

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