

Emission Sources



Tags

greenhouse gas, carbon dioxide, climate change, industry, emissions, Big Sky Carbon Atlas, Big Sky Carbon Sequestration Partnership

Summary

This data was collected and analyzed by the BSCSP for the purpose of carbon emission inventory and to gain a regional perspective on CO₂ capture and storage in the United States.

Description

This dataset shows the locations of large industrial GHG emitting facilities in the Big Sky Carbon Sequestration Partnership area of interest. These include electric utilities, petroleum facilities, ethanol producers, mining facilities, soda ash, aluminum, and lime production facilities, and other miscellaneous industrial activities resulting in large GHG emissions from combustion of fossil fuels.

The dataset contains more than 200 individual facility records obtained from a variety of federal and state sources (see source info) and calculated CO₂ emissions based on fuel and industrial commodity usage for each record. This dataset was created as a key GHG emissions data layer for use in the Big Sky Carbon Atlas (www.bigskyco2.org) as well as an important geographic resource for assessing the locations and spatial extent of CO₂ emissions in the region as well as their proximity to potential geologic GHG sinks.

For further methodology details visit:

http://bigskyco2.org/sites/default/files/metadata/BigSkyCO2EmissionMethodology_Updated2010.pdf

Credits

Big Sky Carbon Sequestration Partnership - U.S. Department of Energy - National Energy Technology Laboratory

Access and use limitations

This data was collected and analyzed by the BSCSP for the purpose CO₂ source inventory and to gain a national perspective on CO₂ emissions in the United States. This data should only be used to show the location and magnitude of stationary CO₂ point sources.

Dates

A review of emission sources is conducted every other year. Last update: September 2010.