

Compilation and Analysis of New Mexico's Greenhouse Gas Emissions Inventory Data 2008 – 2011

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Introduction and Background

This paper provides a summary and analysis of greenhouse gas (GHG) emissions data reported by Title V facilities during 2008 – 2011, and non-Title V oil and gas facilities for 2010. It also includes analyses of GHG data from electric generating facilities that reported carbon dioxide (CO₂) emissions from 2000 – 2012 to the United States Environmental Protection Agency (USEPA) Clean Air Markets Division (CAMD) program. This document provides a snapshot of the individual and collective contributions of these facilities to the GHG emissions of their industry sector and the overall inventory. Trends over time may reflect the influence of emission reduction strategies and general economic activity. This paper will be updated when additional GHG emissions data from later years are reviewed and analyzed, which we anticipate to be done annually. The CAMD data are updated annually; their inclusion in this report is intended to document previous analyses of the electric sector's GHG emissions by fossil fuel type.

This report does not include emissions from transportation (e.g., trucks and cars), household, commercial buildings, or agricultural production sources of GHG emissions. The New Mexico Environment Department's (NMED) most recent top-down GHG emissions inventory was published March 15, 2010 and includes emissions from these and other source types. The GHG emissions included in this report have been compiled and reviewed by NMED. However, the data contained in this report should be considered a work in progress, the quality of which should improve each year as a result of NMED's review and the increased understanding of the reporting methods and procedures used by the facilities subject to GHG emissions reporting.

The GHG emissions inventory data through 2011 contained in this document reflect only what has been reported pursuant to 20.2.73.300 New Mexico Administrative Code (NMAC) – Notice of Intent and Emissions Inventory Requirements. This rule requires that all facilities subject to Title V of the Clean Air Act,¹ excluding those located in Bernalillo County or on Tribal land,² report carbon dioxide emissions starting in emissions year 2008. GHG emissions are reported the following year (i.e., emissions during 2008 are reported in 2009). Commencing emissions year 2009, Title V sources were also required to report methane (CH₄) emissions. For emissions year 2010, non-Title V minor oil and gas sources were required to report CO₂ and CH₄ emissions. Emissions year 2010 also marked the first time that GHG emissions had to be reported from sources emitting 25,000 or more metric tons to the USEPA under 40 Code of Federal Regulations (CFR) Part 98. This is significant as 63 and 87 facilities (in 2008 and 2009 respectively) in New Mexico emitted more than 25,000 metric tons of GHG. The combined emissions from Title V facilities emitting more than 25,000 metric tons constitute greater than 95% of the total emissions reported for each of these years.

The 2008 CO₂ emissions were reported primarily from stationary combustion sources, but some natural gas processing plants also reported vented emissions. NMED's primary focus for 2008 was to introduce reporting of GHG emissions to source owners/operators, as New Mexico was

¹ Facilities subject to Title V of the Clean Air Act include facilities with a potential to emit 100 tons per year or more of a regulated pollutant, 10 tons per year of any one hazardous air pollutant or 25 tons per year of combined hazardous air pollutants.

² NMED's Air Quality Bureau (AQB) does not have regulatory jurisdiction in Bernalillo County or on tribal lands.

one of the first states to require GHG emissions reporting. The 2008 and 2009 GHG reporting requirements relied heavily on the emission quantification methods and procedures developed by the California Air Resources Board and the American Petroleum Institute's Compendium of Greenhouse Gas Emissions Methodologies for the Oil and Natural Gas Industry (API Compendium). NMED's 2010 GHG reporting procedures used USEPA's quantification methods found in 40 CFR Part 98.

Future NMED GHG emissions reporting procedures will rely heavily upon USEPA requirements; many of our Title V facilities are subject to USEPA reporting, and using the same emission calculation methodologies as USEPA should ensure consistent GHG emissions reporting. For those sources not subject to USEPA GHG reporting, reporting GHG emissions to New Mexico using USEPA methods will allow those facilities to comply with Part 73 and demonstrate non-applicability of USEPA's rule. Use the following link for additional information on New Mexico's GHG reporting procedures:

http://www.nmenv.state.nm.us/aqb/GHG/ghgrr_index.html

The primary source of GHG emissions in New Mexico is the combustion of fossil fuels. Typically, coal and natural gas are used to generate electricity. Natural gas is also the primary fuel used to fire heaters, boilers and reciprocating engines for fossil fuel production or industrial processes. The combustion of fossil fuels produces CO₂, CH₄, and nitrous oxide (N₂O) all of which are GHG. Stationary combustion CO₂ emissions are either directly measured using a continuous emissions monitor (required for large electric generating facilities) or estimated using an emissions calculation methodology with emission factors. The following emissions calculation³ is used to determine the amount of CO₂ produced by burning natural gas:

CO₂ Emissions (metric tons/Yr) = Fuel (MMSCF/Yr) × Fuel Heating Value (MMBtu/scf) × Fuel Emission Factor (Kg CO₂/MMBtu × 0.001 (metric tons/Kg))

A 1,000 horsepower natural gas fired compressor engine burns approximately 74.6 million standard cubic feet year of natural gas having an assumed heating value of 1000 British thermal units per standard cubic foot. The USEPA CO₂ emission factor for natural gas is 53.02 kilograms per million British thermal units. Therefore, the calculated emission rate for this compressor engine is as follows:

$$74.6 \text{ MMSCF/Yr} \times 1000 \text{ Btu/scf} \times 53.02 \text{ Kg/metric ton} \times 0.001 = 3,955.3 \text{ metric tons CO}_2/\text{Yr}$$

The same formula using different emission factors for CH₄ and N₂O is used to calculate emissions of those GHG. Version 1.1, and thereafter, of this report includes N₂O emissions from those facilities required to report to EPA. Emission factors are also available for other fuels (e.g., coal or fuel oil). The Carbon Dioxide Equivalent (CO₂e) of CH₄ and N₂O emitted from the combustion of fossil fuels is orders of magnitude less than the CO₂ emitted.

³ Abbreviations used in the following formulas are: Btu = British thermal unit, Kg = kilogram, MMBtu = million British thermal units, MMSCF = million standard cubic feet, scf = standard cubic foot, Yr = year.

In addition to CO₂ and CH₄ emissions from stationary combustion, some facilities in the oil and gas industry emit significant quantities of one or both of these pollutants as vented or fugitive (e.g., equipment leak) emissions. Coal bed methane natural gas processing plants vent to the atmosphere large amounts of CO₂ removed from methane gas using an amine unit. Compressor stations may also vent or leak CO₂ and CH₄ from glycol dehydrators, pneumatic devices, compressor venting, pipes, valves, flanges and equipment seals. Emissions year 2011 marked the first year EPA required reporting of GHG emissions from the oil and gas sector. The specific sources and methods used to calculate emissions are found in 40 CFR Part 98 Subpart W.

All minor oil and gas sources were required to report their 2010 CO₂ and CH₄ emissions pursuant to 20.2.73.300 NMAC. NMED developed an Excel Spreadsheet Calculator that facilitated the reporting of these emissions.⁴ The spreadsheet included data input fields and emission calculation methods to determine combustion, vented and fugitive GHG emissions. NMED received 54 emission reports covering over 900 permitted (i.e., Notice of Intent or construction permits) facilities. The results (see Chart 17) indicate that vented and fugitive CH₄ emissions are significant contributors to the overall oil and gas GHG emissions profile. It should be noted that facility owners were not required to and did not report GHG emissions from well drilling and well completion activities, for which an air quality permit or Notice of Intent is generally not required.

Title V GHG emissions data are required to be reported to New Mexico by April 1st of each year, if the facility is not subject to USEPA reporting pursuant to 40 CFR Part 98; facilities subject to USEPA reporting are required to report by the deadline in 40 CFR Part 98. Eventually, most, if not all, sources required to report to USEPA will be subject to a March 31st deadline each year. NMED receives GHG emissions data from facility owners using the Air Emissions Inventory Reporting (AEIR) tool. Facility owners reporting to USEPA do so by using USEPA's electronic Greenhouse Gas Reporting Tool (eGGRT). NMED reviews the GHG emissions data and supporting calculations submitted through AEIR and analyzes the emissions data we receive from USEPA. In some instances, facilities report a portion of their GHG emissions to USEPA (e.g., combustion emissions) and submit other GHG emissions (e.g., vented and fugitive emissions) to NMED as those emissions may not be subject to USEPA's GHG reporting rule.

GHG differ in their Global Warming Potential (GWP), which depends on their atmospheric residence time and their capacity to trap heat. GWP values for different gases are expressed relative to carbon dioxide, which is considered the reference gas and assigned a GWP of one. The GWP (over a 100-year time horizon) of a given mass of CH₄ is 21 times that of the same mass of CO₂. A given mass of N₂O has a GWP 310 times that of the same mass of CO₂. Therefore, the emissions of different GHG can be expressed on a common basis (called carbon dioxide equivalent or CO₂e) by multiplying the mass of emissions of each GHG by its GWP. Unless noted otherwise, the charts and tables included in this report have converted CH₄ and N₂O emissions into CO₂e. This is relevant to New Mexico's data for 2009 and later, which

⁴ The calculator is located under Miscellaneous Documents at the following link:
http://www.nmenv.state.nm.us/aqb/GHG/ghgrr_index.html

includes CH₄ emissions. Please note in April 2013 the EPA proposed to change and/or add GWP's for several of the GHG pollutants.

Charts 1 –14 & 17 include summary and analysis of GHG emissions data received by NMED starting with emissions year 2008. In some instances the charts include explanatory information. Charts 15 and 16 were developed by NMED as a result of analyzing CO₂ emissions data reported to USEPA's CAMD. Charts 18-21 display emissions by sector for facilities required to report directly to USEPA. This document also includes individual source data for each facility that reported GHG emissions to NMED from 2008 - 2011. These data are listed in thousand metric tons by pollutant and summed as CO₂e by facility and in aggregate.

Questions related to the charts and data contained in them should be directed to Michael Schneider, GHG Emissions Inventory Specialist in NMED's Air Quality Bureau. Mr. Schneider can be contacted at (505) 476-4323 or mike.schneider@state.nm.us. Criteria pollutant and GHG emissions data from Title V facilities are also available using NMED's Emissions Analysis Tool (EAT) found at the following website:

<https://eidea.nmenv.state.nm.us/aqbghgtool/>

Chart 1 - 2008 Aggregated Sector Emissions of CO₂

Chart 1 represents the 2008 aggregated sector emissions of CO₂ from Title V facilities. The electricity generation sector emits the most CO₂ because of the coal and natural gas that is combusted to generate electricity. The oil and gas sector also emits a significant portion of CO₂ because fossil fuel combustion is required to process and transport petroleum and natural gas related products. However, these data do not include oil and gas well-related emissions. The “all other” category consists of facilities that have industrial heaters, dryers or boilers used for industrial processes or facility utilities.

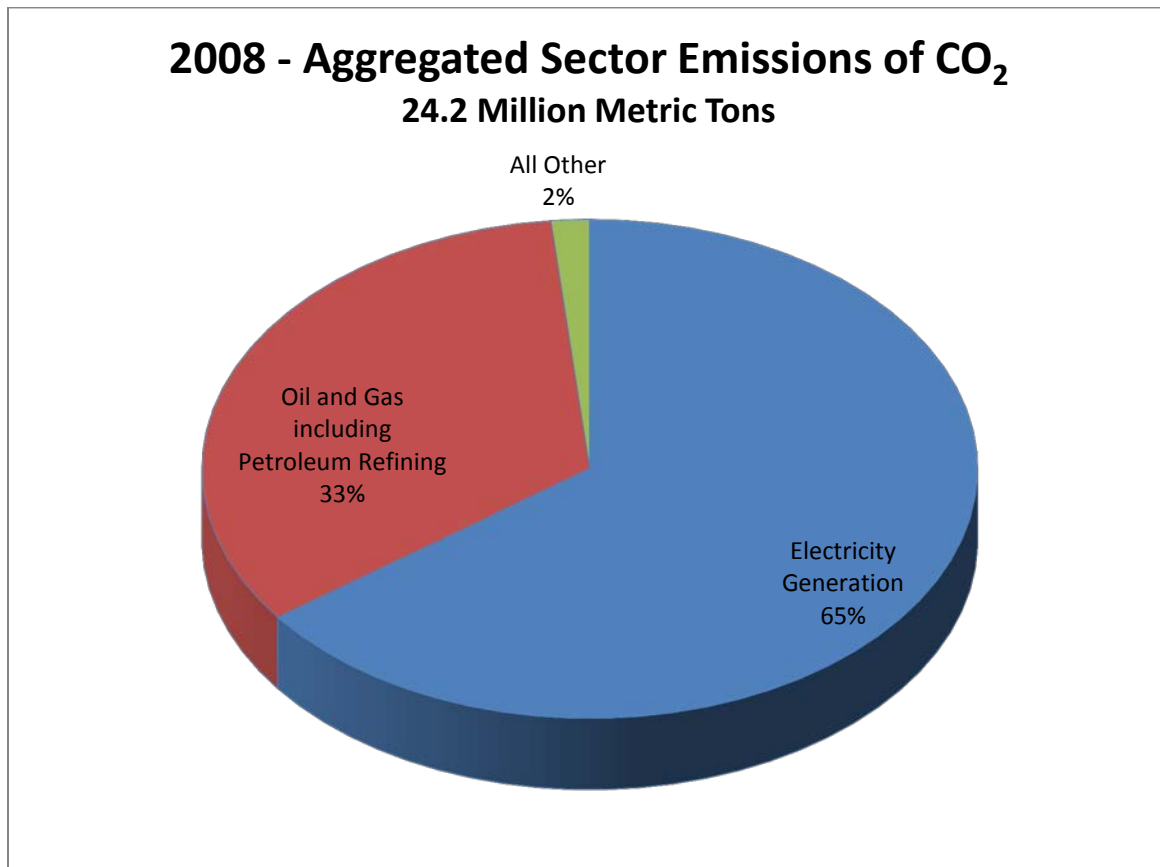


Chart 2 - 2009 Aggregated Sector Emissions of CO₂e

Chart 2 represents the 2009 aggregated sector emissions in CO₂e from Title V facilities. As in 2008, the electric sector emits the most CO₂ because of the coal and natural gas that's combusted to generate electricity. The oil and gas sector also emits a significant portion of CO₂ because fossil fuel combustion is required to process and transport petroleum and natural gas related products and CH₄ is emitted from vented and fugitive sources. However, these data do not include oil and gas well-related emissions. The "all other" category consists of facilities that have heaters, dryers or boilers used for industrial processes or facility utilities.

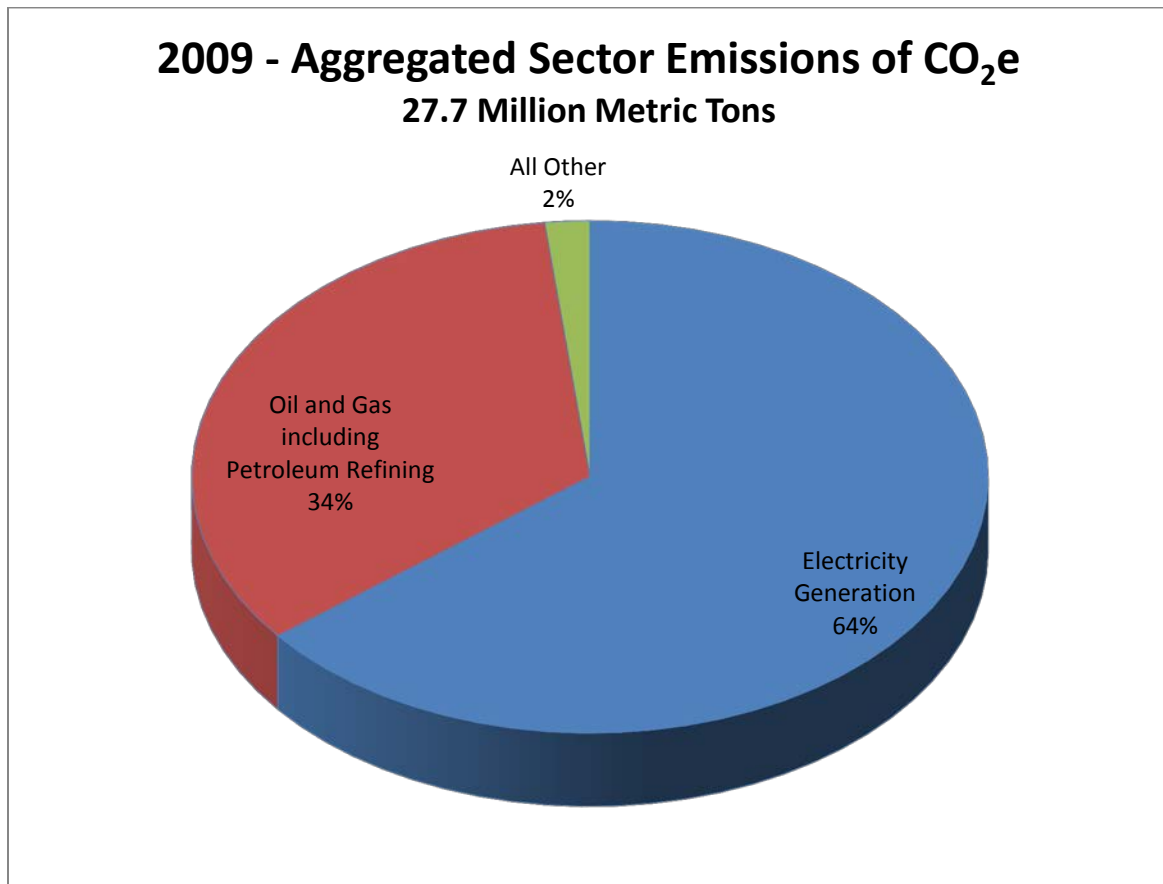


Chart 3 - 2010 Aggregated Sector Emissions of CO₂e

Chart 3 represents the 2010 aggregated sector emissions in CO₂e from Title V facilities. As in 2008 and 2009, the electric sector emits the most CO₂ because of the coal and natural gas that's combusted to generate electricity. The oil and gas sector also emits a significant portion of CO₂ because fossil fuel combustion is required to process and transport petroleum and natural gas related products and CH₄ is emitted from vented and fugitive sources. However, these data do not include oil and gas well-related emissions. The "all other" category consists of facilities that have heaters, dryers or boilers used for industrial processes or facility utilities.

Chart 4 - 2011 Aggregated Sector Emissions of CO₂e

Chart 4 represents the 2011 aggregated sector emissions in CO₂e from Title V facilities. As in 2008-2010, the electric sector emits the most CO₂ because of the coal and natural gas that's combusted to generate electricity. The oil and gas sector also emits a significant portion of CO₂ because fossil fuel combustion is required to process and transport petroleum and natural gas related products and CH₄ is emitted from vented and fugitive sources. However, these data do not include oil and gas well-related emissions. The "all other" category consists of facilities that have heaters, dryers or boilers used for industrial processes or facility utilities.

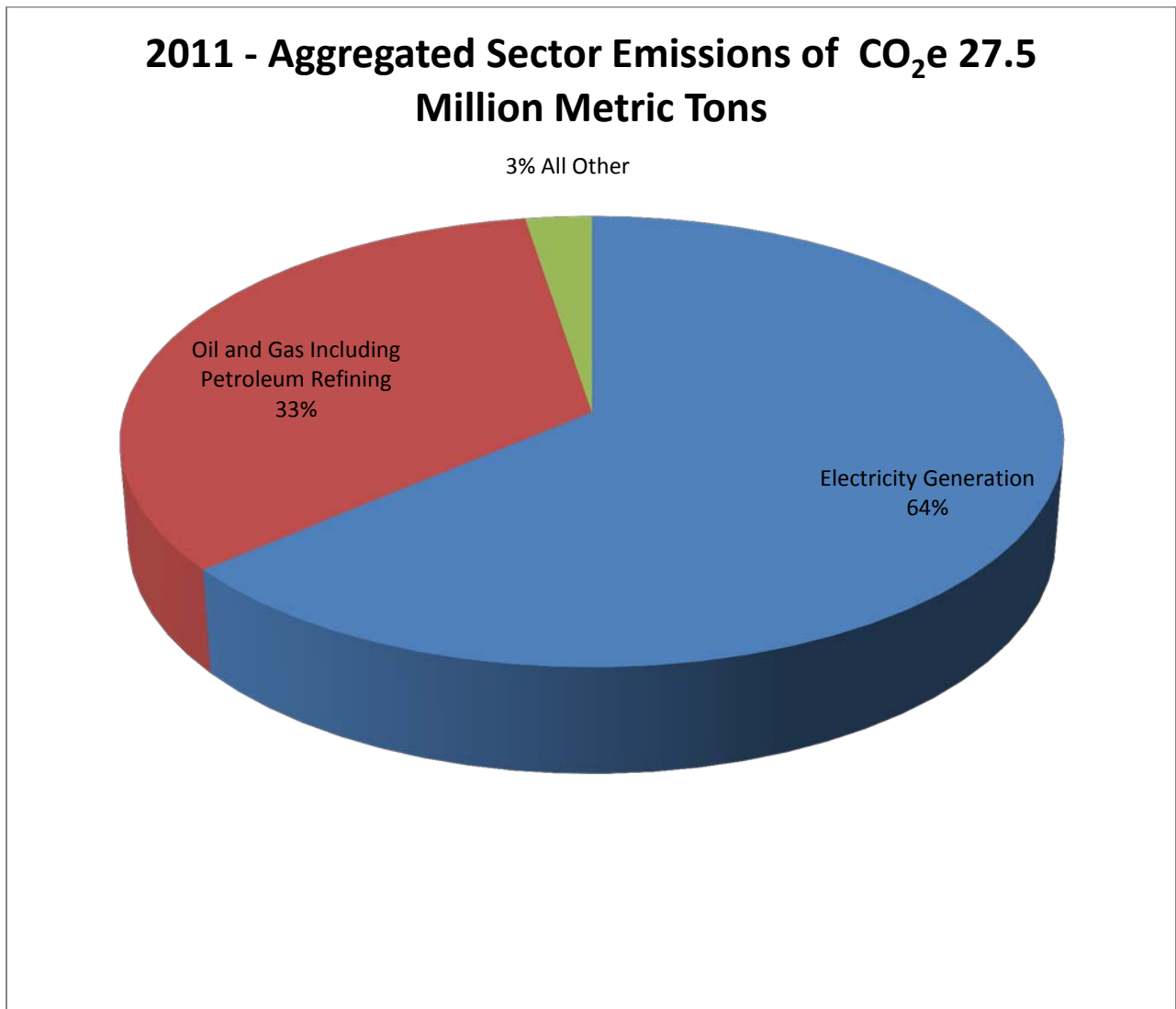


Chart 5 - Title V GHG Emissions 2008 - 2011

This chart reflects total Title V GHG emissions from 2008-2011

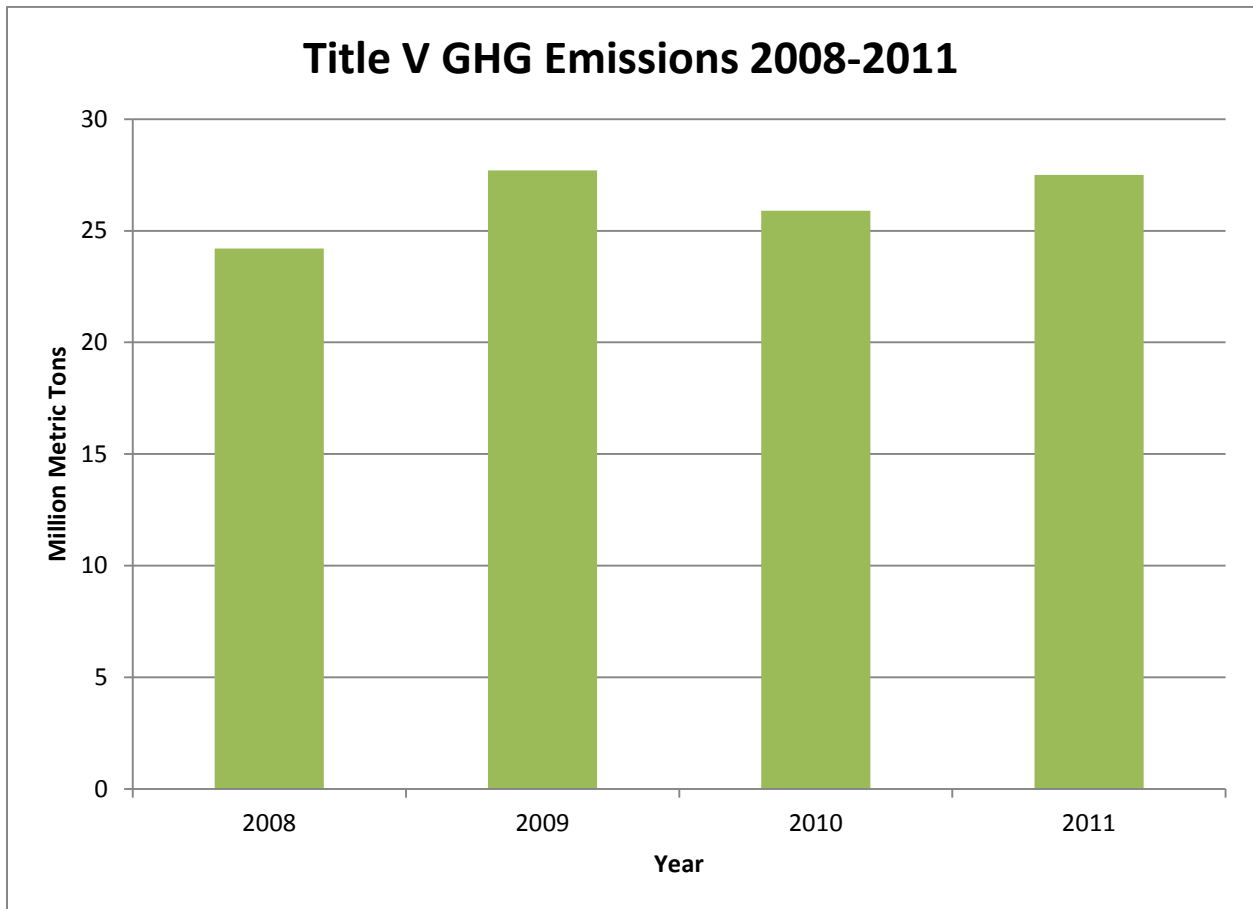


Chart 6 - GHG Emissions by Pollutant in CO₂e

Chart 6 reflects Title V GHG emissions (2009 – 2011) distribution by pollutant in CO₂e. Please note that CO₂ was the only GHG pollutant requiring reporting in 2008; CH₄ and N₂O reporting were required commencing in 2009 and 2010 respectively.

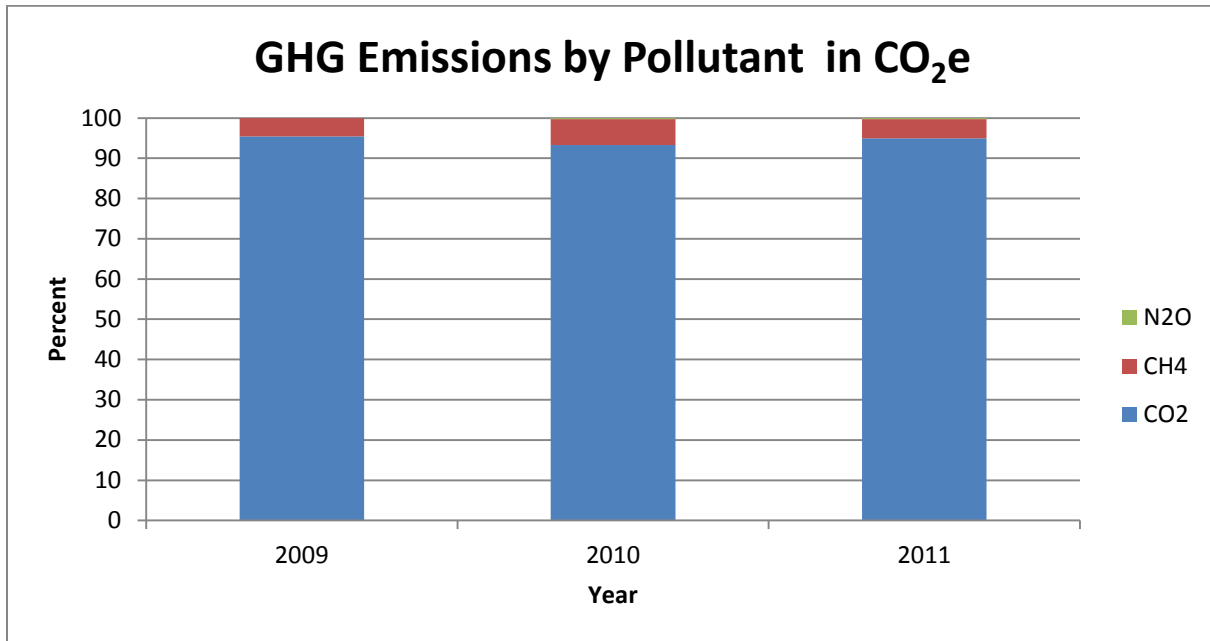


Chart 7 - 2008 CO₂ Emissions by SIC

Chart 7 represents CO₂ emissions by Standard Industrial Classification (“SIC”) category and the number of facilities per category with emissions greater than 25,000 metric tons for the 2008 Title V GHG Emissions Inventory. CO₂ emissions are from combustion only, except for some natural gas processing plants that also reported vented CO₂ emissions. The numbers after each category on the x axis represent the number of each type of facility that reported GHG emissions to NMED.

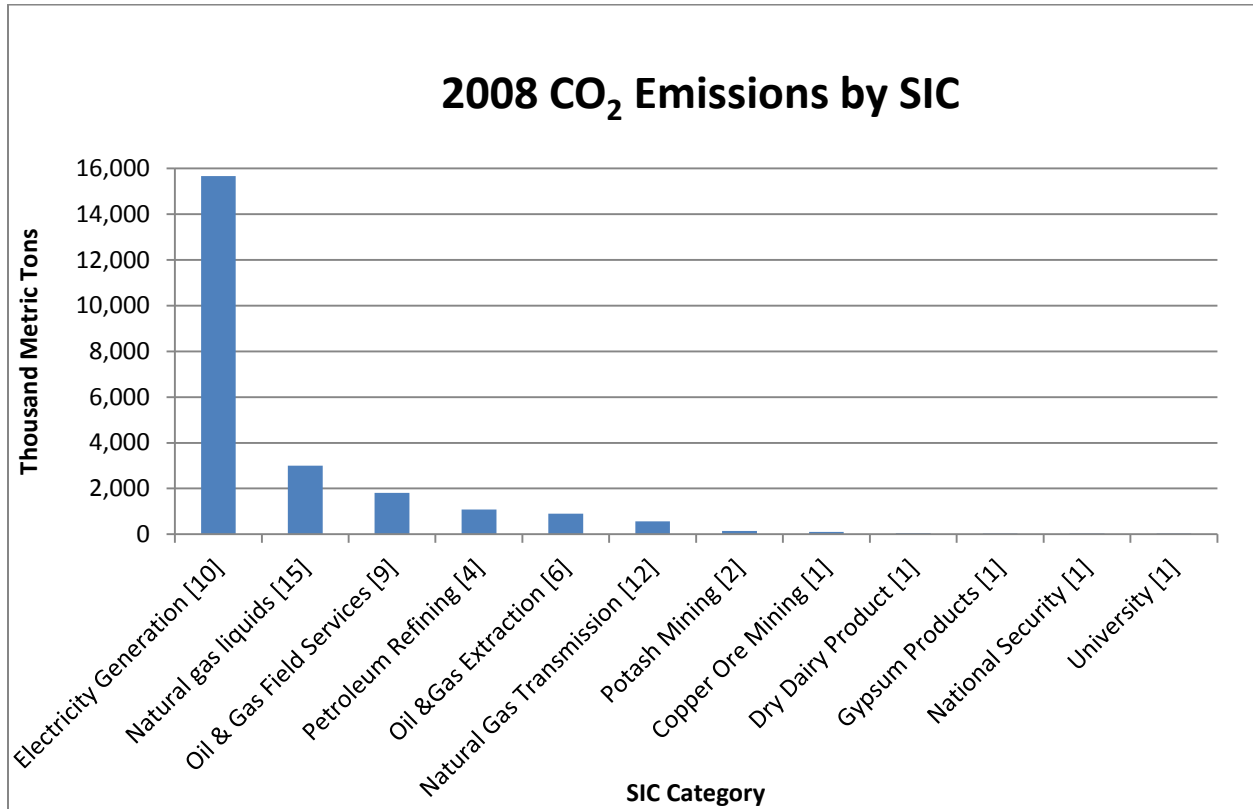


Chart 8 - 2009 GHG Emissions by SIC

Chart 8 represents the CO₂ and CH₄ emissions (expressed as CO₂e) by Standard Industrial Classification (SIC) and the number of sources per category with emissions greater than 25,000 metric tons for the 2009 Title V GHG Emissions Inventory.

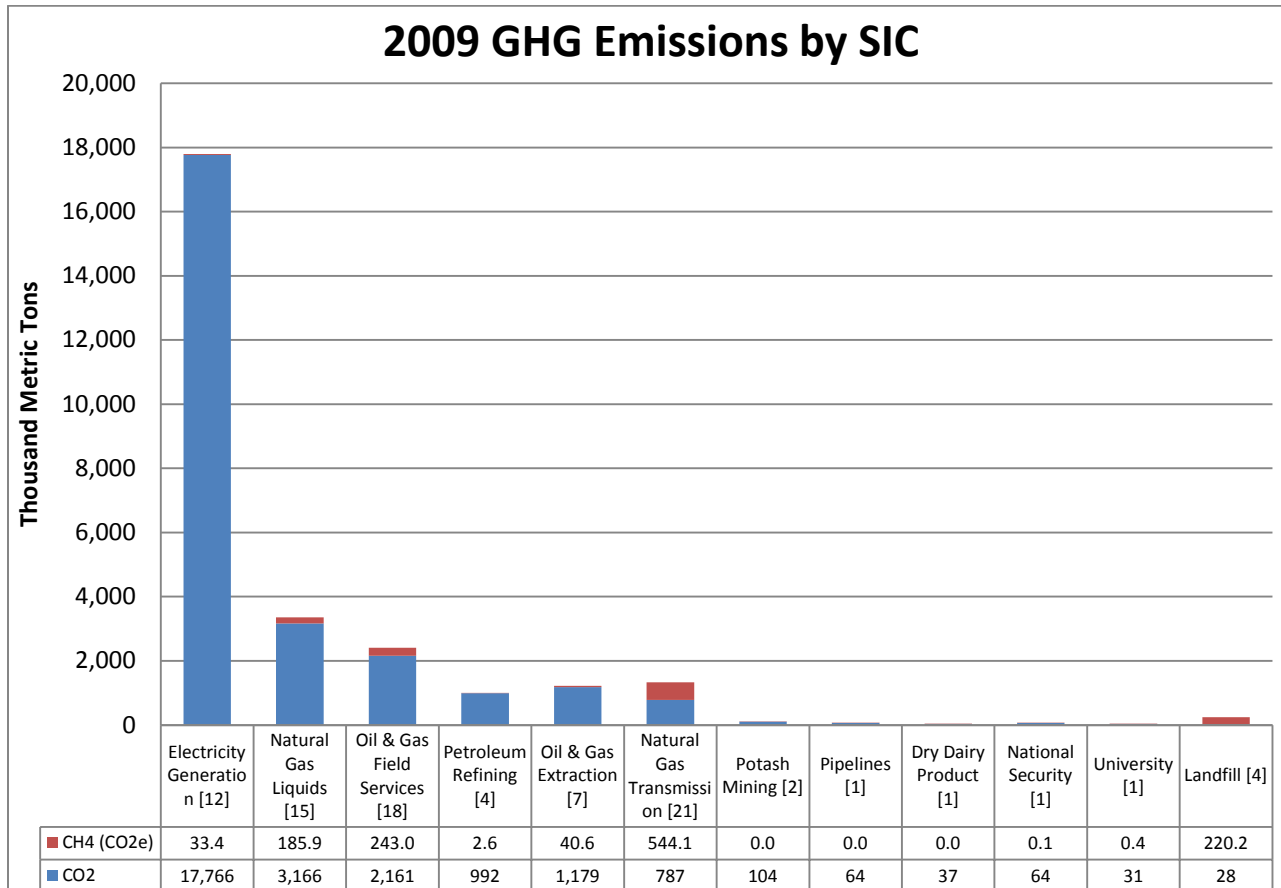


Chart 9 - 2010 GHG Emissions by SIC

Chart 9 represents the CO₂ and CH₄ emissions (expressed as CO₂e) by Standard Industrial Classification (SIC) and the number of sources per category with emissions greater than 25,000 metric tons for the 2010 Title V GHG Emissions Inventory.

Chart 10 - 2011 GHG Emissions by SIC

Chart 10 represents the CO₂, CH₄ and N₂O emissions (expressed as CO₂e) by Standard Industrial Classification (SIC) and the number of sources per category with emissions greater than 25,000 metric tons for the 2010 Title V GHG Emissions Inventory.

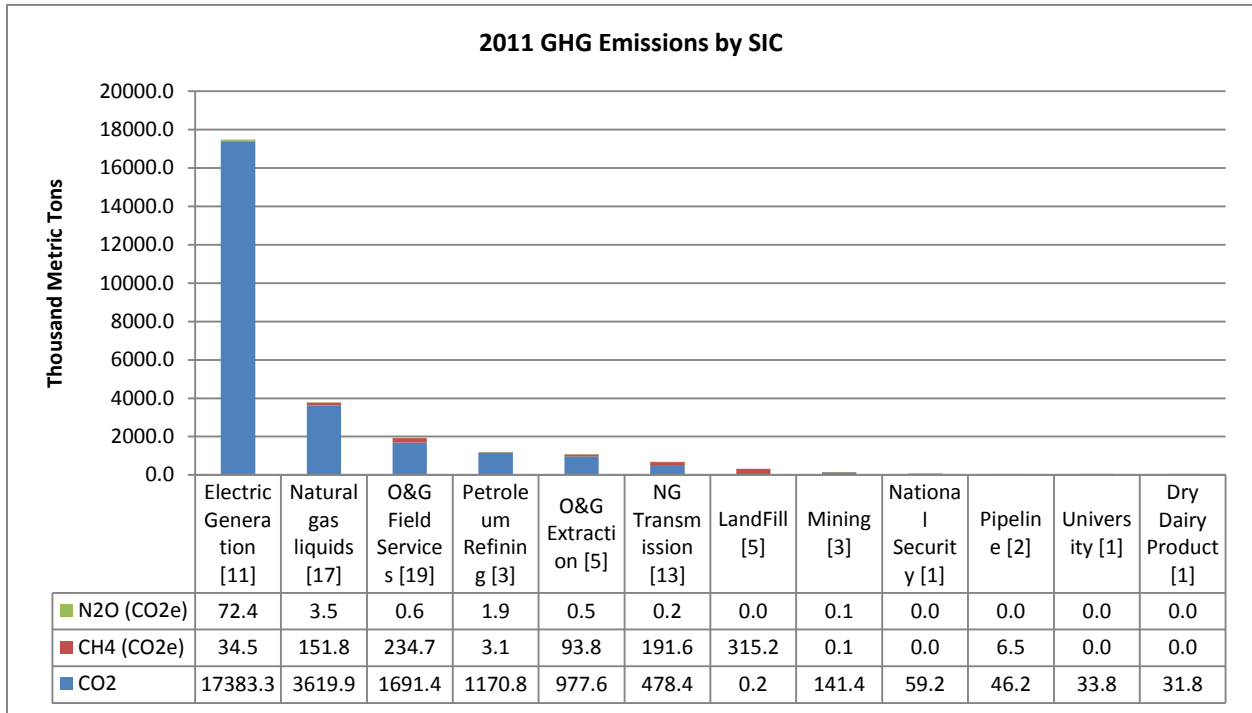


Chart 11 -TV GHG emissions by SIC category for 2008-2011

Greenhouse Gas Emissions by Standard Industrial Classification 2008 - 2011 (Thousand Metric Tons)					
Standard Industrial Classification	SIC Code	CO₂e			
		2008	2009	2010	2011
Electric Generation	4911	15696.0	17799.3	16395.8	17527.0
Natural gas liquids	1321	3048.0	3352.1	3429.9	3793.2
O&G Field Services	1389	2100.0	2404.2	2042.4	2087.5
Petroleum Refining	2911	1086.0	994.9	1189.7	1179.9
O&G Extraction	1311	1001.0	1219.7	1043.1	1230.3
NG Transmission	4922	818.0	1331.5	1147.2	888.7
Potash Mining	1474	150.0	104.3	115.2	113.6
Copper Ore Mining	1021	88.0	0.0	0.2	28.0
Dry Dairy Product	2023	51.0	37.3	29.8	31.8
Gypsum Products	3275	32.0	18.5	0.3	0.0
National Security	9711	37.0	64.4	67.4	61.9
University	8221	27.0	31.8	35.6	33.8
LandFill	4953	6.0	248.4	398.0	398.5
Pipeline	4613	66.0	68.5	58.9	79.1
Plastic Foam Products	3086	1.0	0.4	0.5	0.5
Total		24,207	27,675	25,954	27,454

Chart 12 - 2008 - 2011 GHG - Electricity Generation (Bar Chart)

Chart 12 compares 2008 - 2011 stationary combustion emissions from the electricity generating sector for facilities having emissions greater than 25,000 metric tons. Although 2009 - 2011 emissions include CO₂e (i.e., CH₄ & N₂O in addition to CO₂), the relative contribution of pollutants other than CO₂ from combustion are insignificant and not a contributor to differences in emissions from any source or the category as a whole when comparing 2008 - 2011.

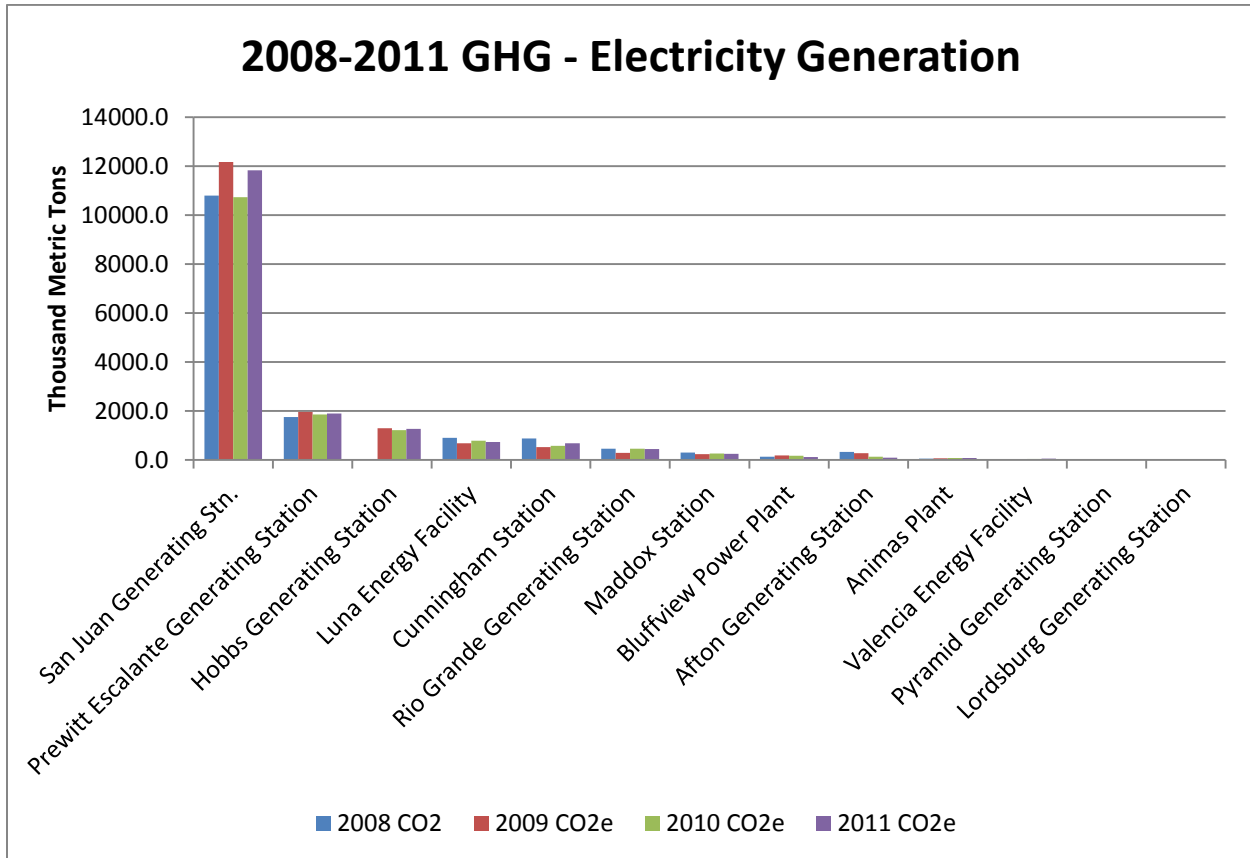


Chart 13 - 2008 - 2011 GHG - Electricity Generation (Table)

Chart 13 compares the GHG emissions from the electric sector for 2008 -2011. It should be noted that two additional sources reported GHG emissions in 2009.

Facility	2008	2009	2010	2011
San Juan Generating Station	10797.5	12167.1	10731.1	11822.1
Prewitt Escalante Generating Station	1755.1	1969.3	1862.2	1898.3
Hobbs Generating Station		1300.1	1221.8	1277.7
Luna Energy Facility	905.8	680.6	785.8	738.5
Cunningham Station	881.4	531.5	576.6	681.5
Rio Grande Generating Station	461.7	297.3	457.5	449.7
Maddox Station	310.0	239.5	268.0	257.6
Bluffview Power Plant	135.7	189.4	179.3	124.2
Afton Generating Station	329.2	285.3	130.0	100.7
Animas Plant	63.1	70.9	79.0	77.9
Valencia Energy Facility		26.4	47.2	62.2
Pyramid Generating Station	22.1	14.9	33.0	22.3
Lordsburg Generating Station	29.9	27.0	24.2	14.5
Total (Thousand Metric Tons)	15691.7	17799.3	16395.8	17527.0

Chart 14 - Title V Oil and Gas Emissions 2008 - 2011

Chart 14 reflects annual oil and gas GHG emissions from 2008-2011.

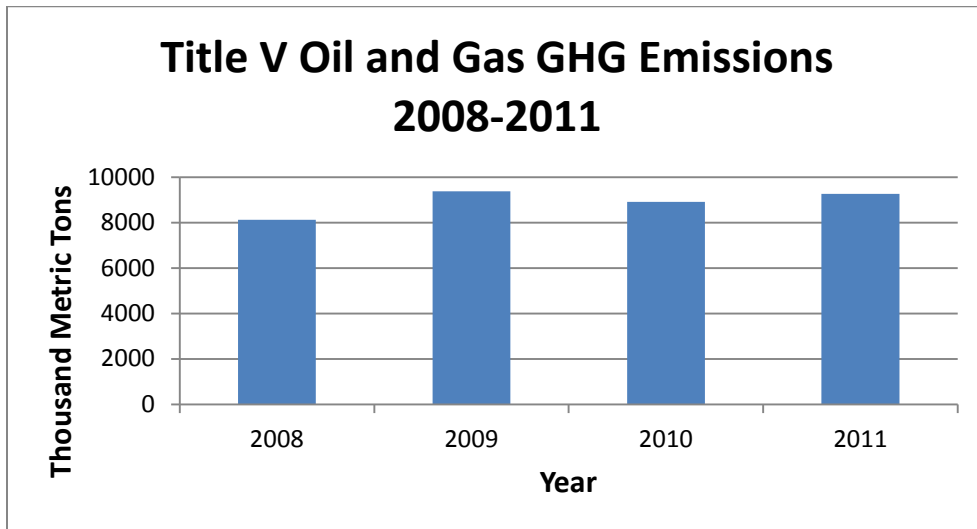


Chart 15 - Electricity Generation CO₂ by Fuel - Type

Chart 15 compares New Mexico electric sector GHG emissions based on fuel type in percent and thousand metric tons from 2001 through 2012. The data used to develop this chart is derived from USEPA’s Clean Air Markets Division, but does not include electricity generation in Bernalillo County or Tribal land, which are not included in NMED’s reporting data. The chart reflects increasing use of natural gas as a fuel to generate electricity.

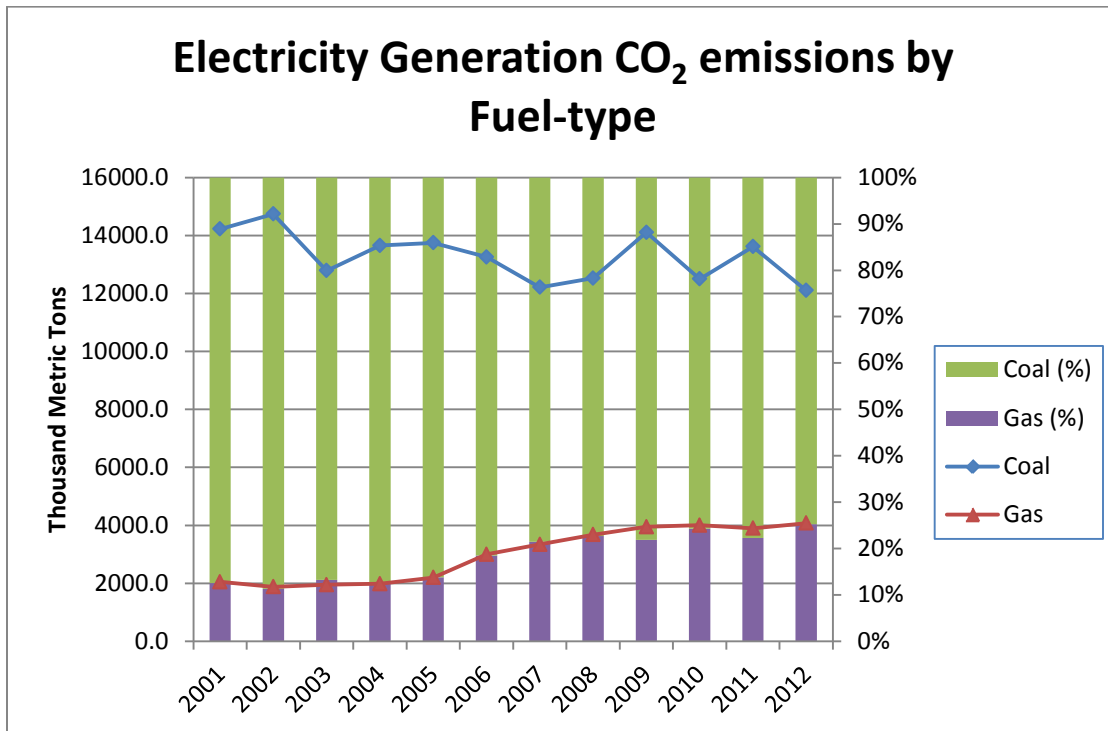


Chart 16 – Heat Input Emissions – Electric Services

Chart 16 shows the carbon intensity per unit of energy for coal in generating electricity is approximately 1.8 times that of natural gas for New Mexico facilities (excluding those on Tribal Lands and Bernalillo County) that reported CO₂ emissions to USEPA’s Clean Air Markets Division from 2001 -2012.

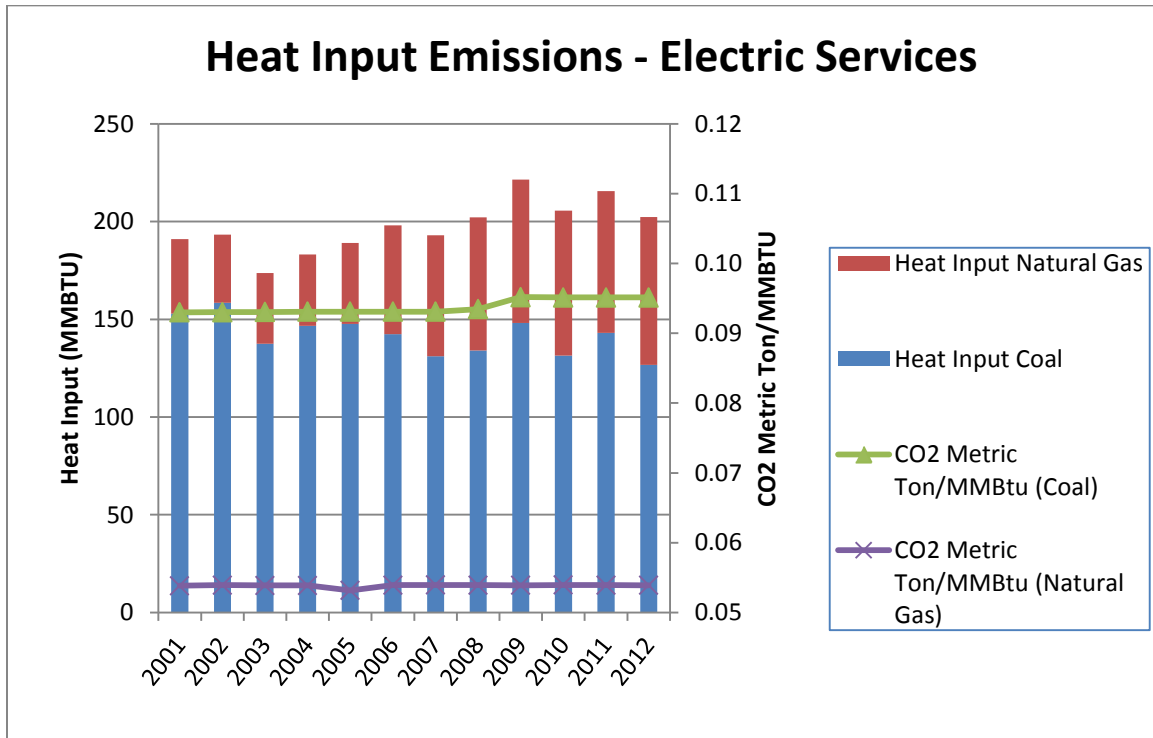


Chart 17 - 2010 Minor Oil and Gas Source GHG Emissions

Chart 17 shows the relative contribution of combustion, vented and fugitive GHG emissions to the 2010 total GHG emissions from New Mexico non-Title V oil and gas sources. The chart does not include well-related GHG emissions. The majority of these sources are located either in the San Juan Basin or the Permian Basin.

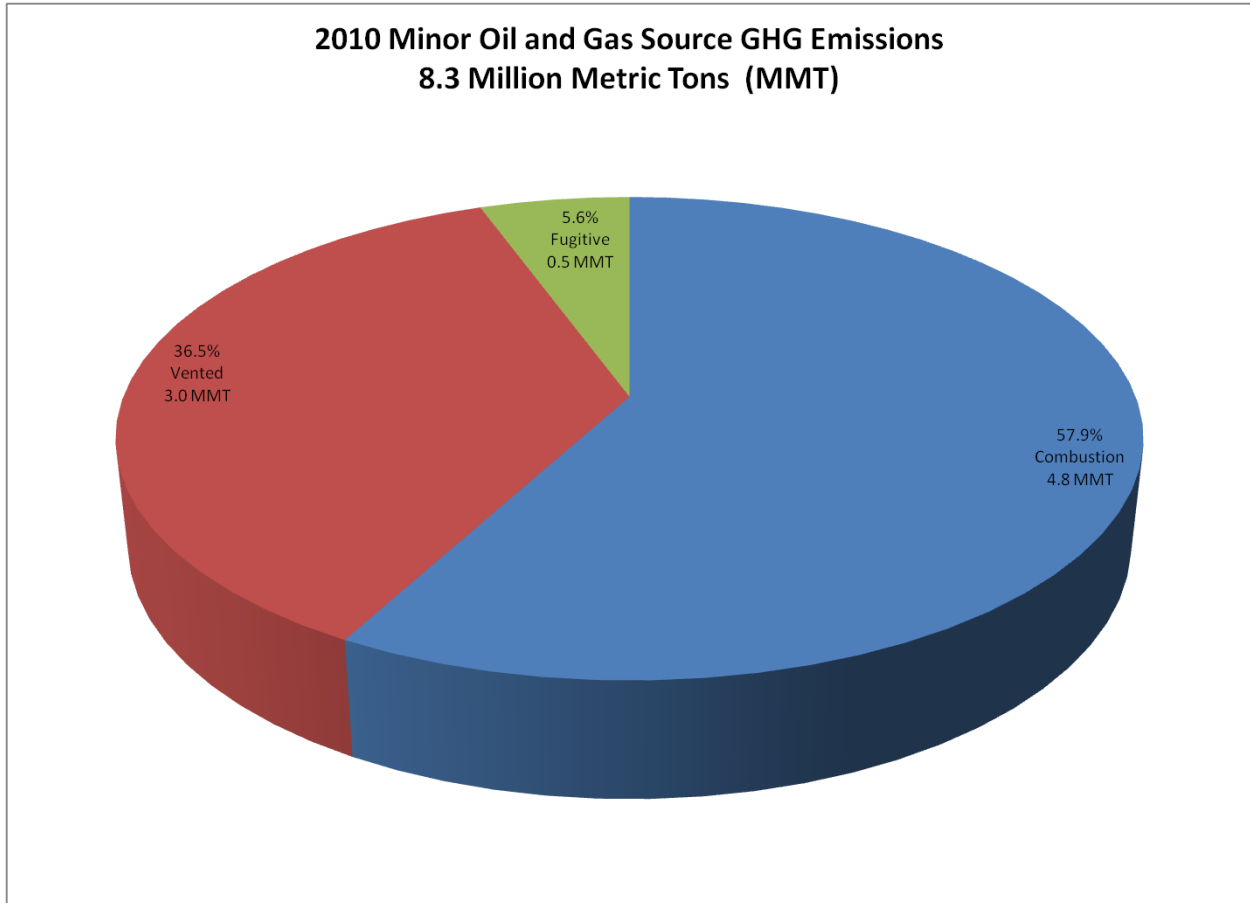


Chart 18 - New Mexico 2010 USEPA GHG Emission Reports

Chart 18 reflects 2010 EPA reported GHG emissions data by category.

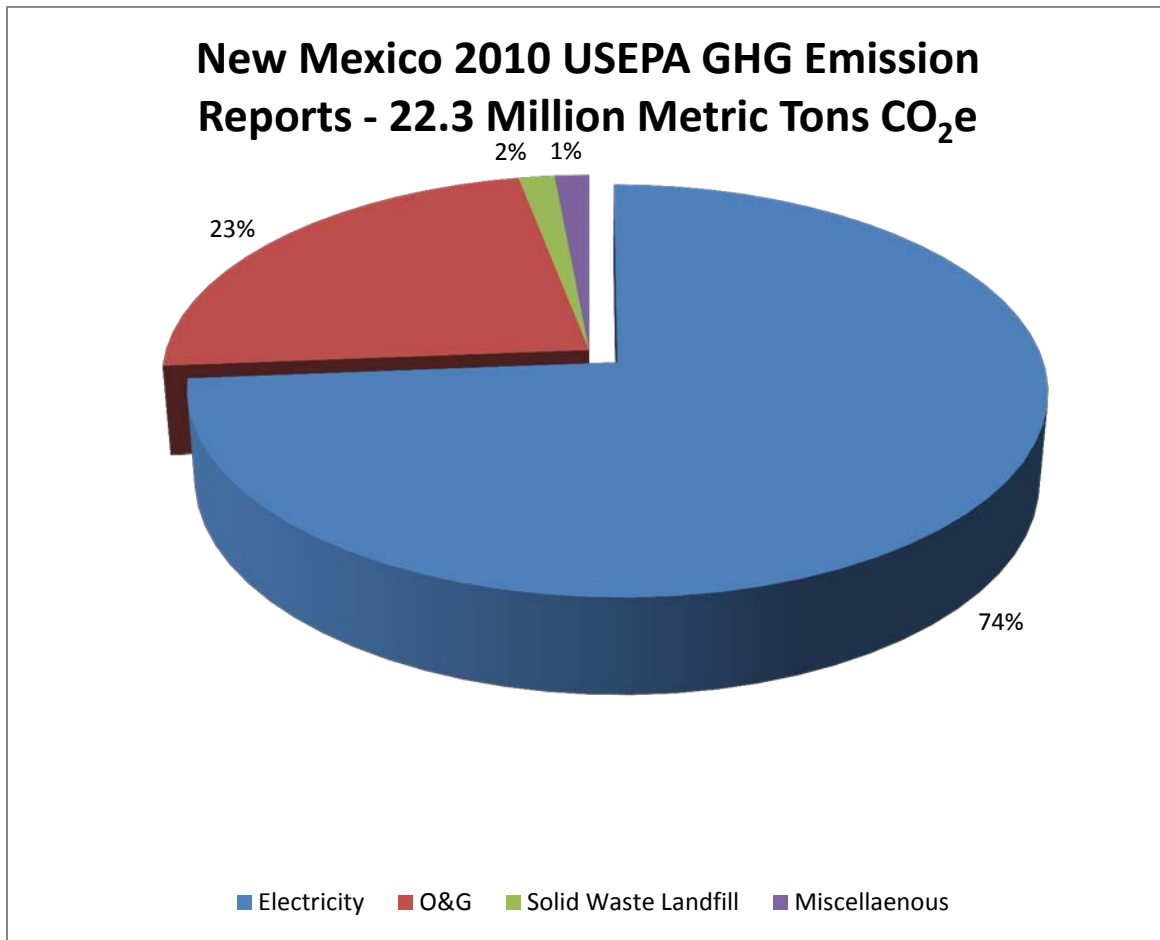


Chart 19 - 2010 USEPA New Product and Supplier GHG Emissions

Chart 19 reflects 2010 EPA reported GHG emissions from Petroleum Refiners Products, Natural Gas Products and Carbon Dioxide Suppliers. These emissions are the carbon emissions from the combustion of the petroleum and natural gas distributed into the economy in New Mexico, and the CO₂ extracted from wells and used for industrial or commercial application(s).

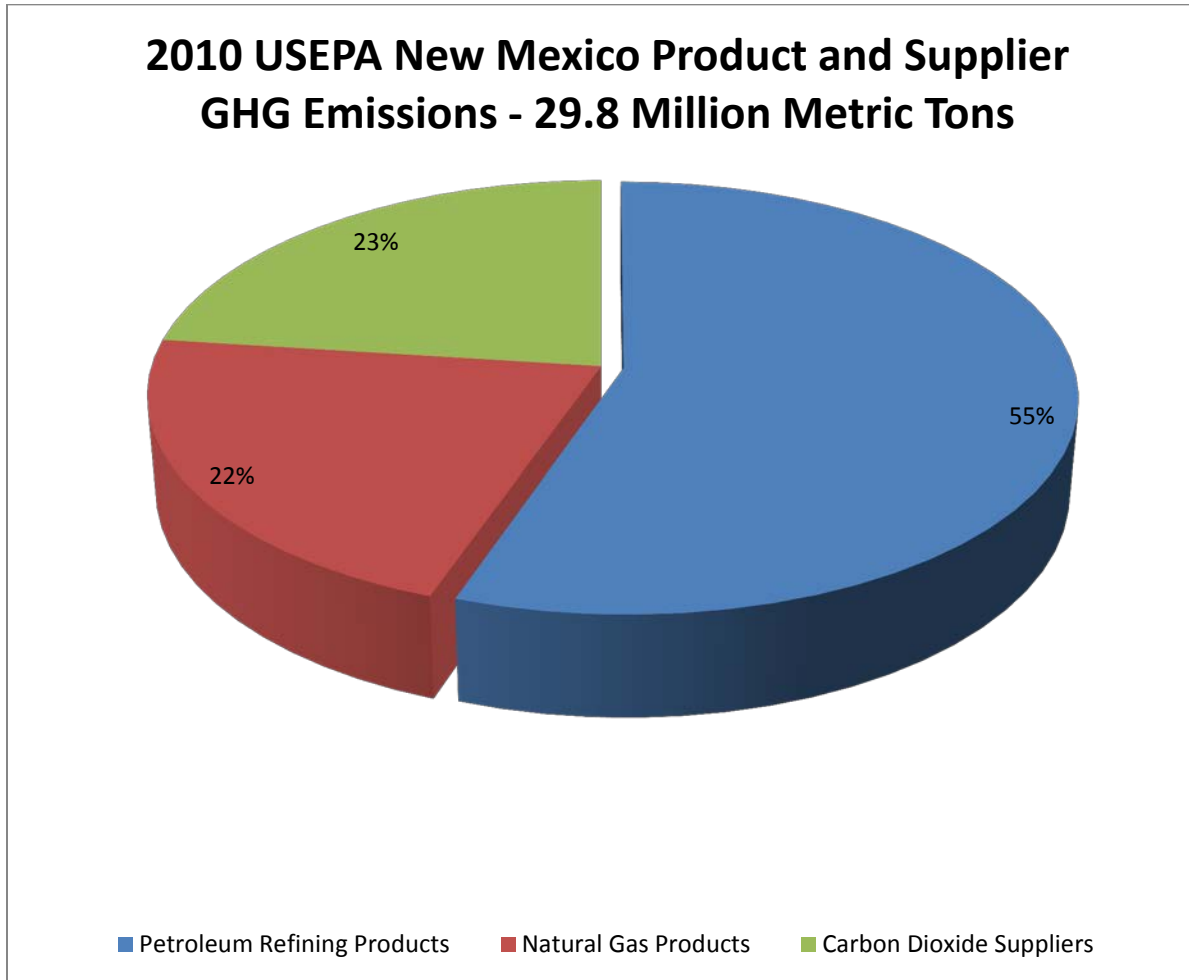


Chart 20 - 2011 USEPA New Mexico GHG Emissions

Chart 20 compares 2011 EPA reported GHG emissions data by category. Please note that 2011 was the first year that onshore petroleum and natural gas production facilities meeting certain requirements were subject to reporting their GHG emissions to EPA. Our review of the EPA oil and gas GHG emissions basin data and our understanding as to how EPA required reporters to provide it, suggests that it may include oil and gas production emissions from operations outside of New Mexico and/or may not include all of the emissions from New Mexico and, therefore, may not be representative. Based on the uncertainty presented by these data, it is recommended that this chart is not cited or quoted. However, the chart does suggest that oil and gas production GHG emissions are likely to be more comparable than previously thought to those associated with electricity generation.

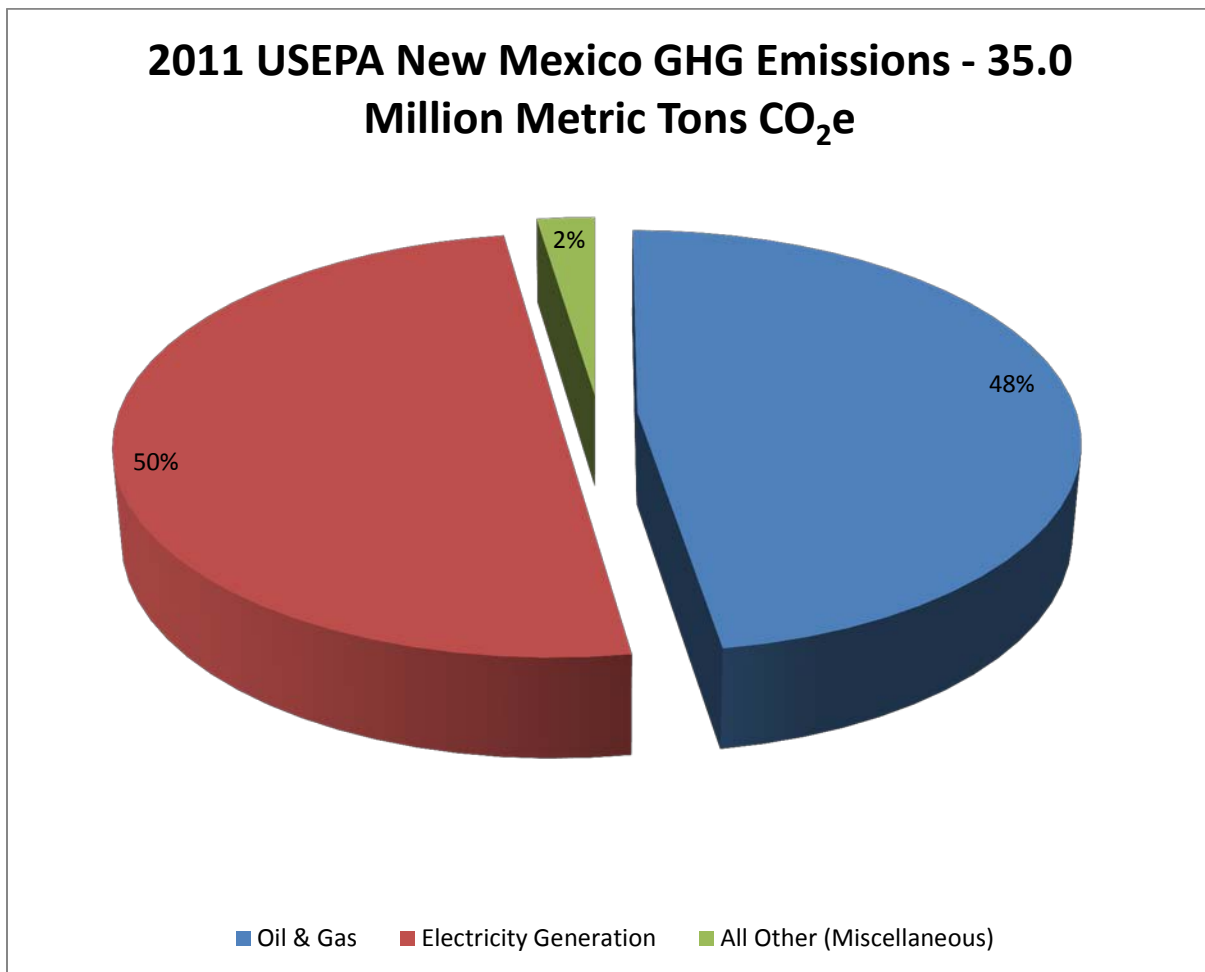
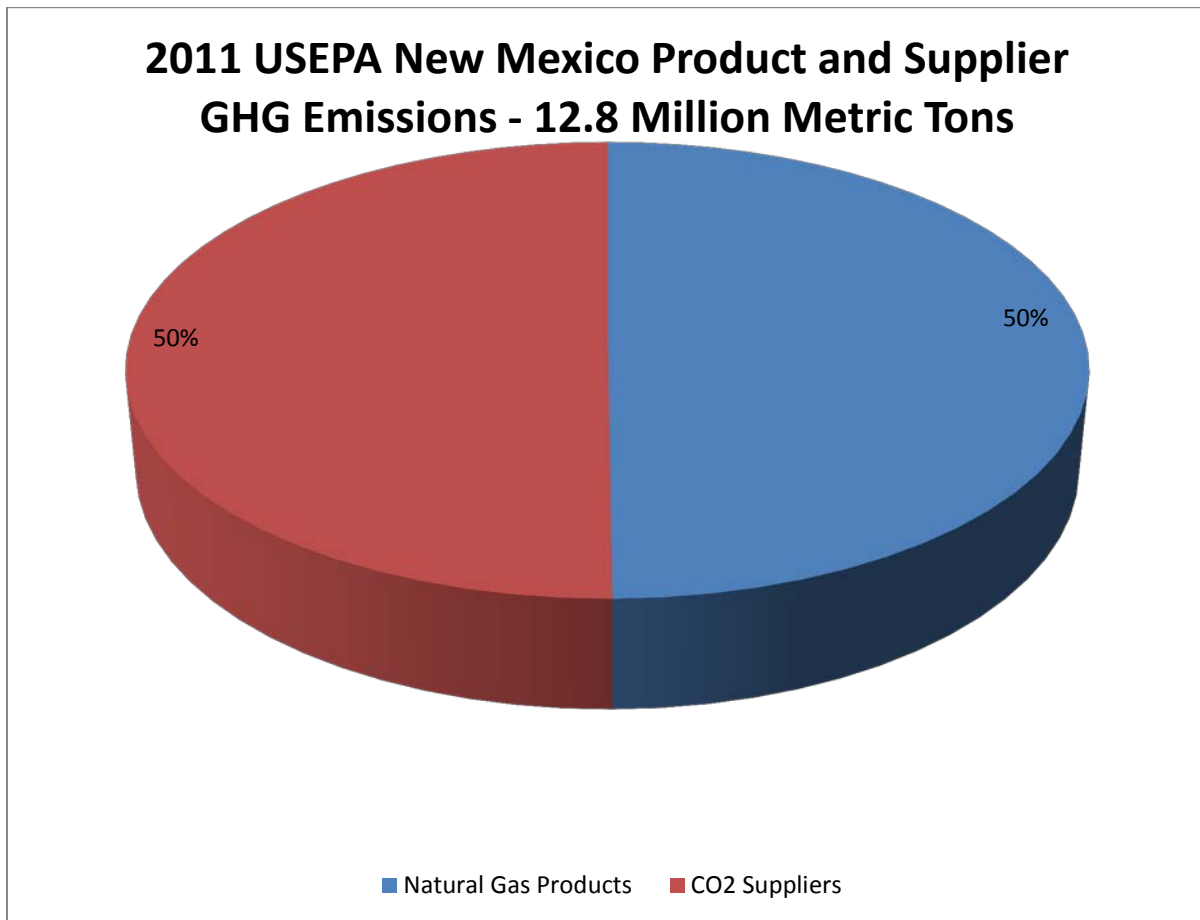


Chart 21 - 2011 USEPA New Product and Supplier GHG Emissions

Chart 21 reflects 2011 EPA reported GHG emissions from Natural Gas Products and Carbon Dioxide Suppliers. These emissions are the carbon emissions from the combustion of the natural gas distributed into the economy in New Mexico, and the CO₂ extracted from wells and used for industrial or commercial application(s). The complete data set for this grouping of emissions sources was not available from EPA at the time Version 2.0 of this document was made public as it does not include GHG emissions from Petroleum Refiners Products. According to EPA, 2011 GHG emissions from this category were reported to the Office of Transportation and Air Quality and will likely be migrated to the FLIGHT database in 2014. This chart will be updated in a subsequent version of this report to include Petroleum Refiners Products GHG emissions.



New Mexico 2008 Title V GHG Emissions Inventory

Owner	Master AI Facility Name	AI ID ¹	SIC ²	CO ₂ Emissions (Thousand Metric Tons)
City of Rio Rancho	Rio Rancho Sanitary Landfill	1128	4953	4.0
Waste Connection	Camino Real Landfill	167	4953	1.5
Public Service Company of New Mexico	San Juan Generating Stn.	1421	4911	10,797.5
	Luna Energy Facility	878	4911	905.8
	Afton Generating Station	164	4911	329.2
	Lordsburg Generating Station	560	4911	29.9
	Las Vegas Station	1446	4911	4.5
Tri-State Generating	Prewitt Escalante Generating Station	911	4911	1,755.1
	Pyramid Generating Station	558	4911	22.1
Excel Energy	Cunningham Station	604	4911	881.4
	Maddox Station	588	4911	310.0
El Paso Electric	Rio Grande Generating Station	122	4911	461.7
City of Farmington	Bluffview Power Plant	3535	4911	135.7
	Animas Plant	1159	4911	63.1
Val Verde Gas Gathering Company, LP	Val Verde Treater	1182	1321	1,340.2
	Pump Canyon Compressor Station	1183	4922	41.7
	Frances Mesa Compressor Station	1038	1389	30.5
	Gobernador/Manzanares Compressor Station	989	4922	44.9
	Buena Vista Compressor Station	1315	4922	13.4
	Middle Mesa Compressor Station	1193	4922	10.9
	Hart Canyon Compressor Station	1181	4922	11.2
	Arch Rock Compressor Station	1289	4922	8.9
Conoco Phillips	San Juan Gas Plant	1177	1321	244.1
	East Vacuum Liquid Recovery	638	1311	65.4
	Wingate Fractionation Plant	884	1321	36.8
	MCA Tank Battery No2	624	1311	11.1
DCP Midstream	Artesia Gas Plant	199	1321	66.1
	Eunice Gas Plant	595	1321	146.1
	Linam Ranch Gas Plant	589	1321	164.2
	Pecos Diamond Gas Plant	227	1321	9.2
	Antelope Ridge Gas Plant	621	1321	16.4
	Golfcourse Booster Station	592	1311	21.1
	Monument Booster Station	593	1311	20.6
	Lusk Plant	599	1311	2.9
	South Hat Mesa Booster Station	665	4922	16.1
	Oil Center Compressor Station	668	4922	13.2
	Quail Booster Station	679	1311	14.3
Williams Four Corners	Milagro Cogeneration and Gas Plant	1277	1389	1,500.5
	Kutz Gas Plant	1158	1321	141.2

Owner	Master AI Facility Name	AI ID ¹	SIC ²	CO ₂ Emissions (Thousand Metric Tons)
	El Cedro Gas Plant	1002	1311	100.5
	La Jara Compressor Station	1010	1389	82.2
	Lybrook Gas Plant	979	4922	58.6
	Dogie Canyon Compressor Station	990	4922	42.5
	32-8 No2 CDP Compressor Station	1236	1389	40.9
	32-7 CDP Compressor Station	1221	1389	40.3
	Trunk L Compressor Station	1037	1389	37.2
	Laguna Seca Compressor Station	1011	1389	29.8
	Chaco Compressor Station	1189	1389	26.3
	Middle Mesa CDP Compressor Station	1272	1389	27.8
	30-5 CDP Compressor Stn.	998	1389	23.8
	32-8 No3 CDP Compressor Station	1168	1389	17.0
	29-6 CDP No2 Compressor Station	1007	1389	21.3
	29-6 No4 CDP Compressor Station	1013	1389	13.2
	32-9 Central Delivery Point (CDP)	1226	1389	12.5
	Carracas CDP Compressor Station	1009	1389	11.2
	Lateral N30 Compressor Station	1347	1389	11.2
	31-6 CDP Compressor Station	1006	1389	8.8
	Trunk N Compressor Station	1303	1389	22.4
	Trunk B Compressor Station	1350	1389	15.4
	Rosa No1 Compressor Station	1367	1389	15.0
	Aztec CDP Compressor Station No1327	1276	1389	7.3
	Cedar Hill Central Delivery Point	1227	1389	25.7
	Horse Canyon Central Delivery Point	1274	1389	14.5
	Pump Mesa Compressor Station	1273	1389	19.4
	Thompson Compressor Station	1191	1389	19.8
Sims Mesa Compressor Station	1040	1389	4.0	
North Crandall Compressor Station	1374	1389	7.4	
Trunk A Booster Compressor Station	1342	1389	14.5	
Transwestern Pipeline Company	Roswell Compressor Station No9	10	4922	1.0
	Corona Compressor Station	849	4922	0.9
	Atoka No3 Compressor Station	205	4922	8.3
	Thoreau No5 Compressor Station	890	4922	1.8
	Bloomfield Compressor Station	1192	4922	22.8
	Mountainair No7 Compressor Station	1569	4922	0.6
Navajo Refining	Navajo Refining - Artesia Refinery	198	2911	624.2
	Lovington Refinery	622	2911	93.8
Western Refining	Ciniza Refinery	888	2911	264.5
	Bloomfield Refinery	1156	2911	103.5
Versado Gas Processors, LLC	Targa - Eunice Gas Plant	609	1321	187.8
	Monument Gas Plant	610	1321	96.4

Owner	Master AI Facility Name	AI ID ¹	SIC ²	CO ₂ Emissions (Thousand Metric Tons)
	Saunders Gas Plant	612	1321	67.0
	North Eunice Compressor Station	602	1311	42.5
	Targa - Vada Compressor Station	613	1311	18.0
	Buckeye Compressor Station	605	1311	4.4
OXY USA WTP Limited Partnership	Indian Basin Gas Plant	197	1321	111.3
El Paso Natural Gas	Lordsburg Compressor Station	553	4922	61.3
	Florida Compressor Station	868	4922	45.8
	Eunice Compressor Station A	566	4922	41.5
	Monument Compressor Station	571	4922	38.6
	Afton Compressor Station	123	4922	35.0
	Pecos River Compressor Station	194	4922	81.1
	Blanco Compressor Station A	1147	4922	24.4
	Belen Compressor Station	1590	4922	11.2
	Caprock Compressor Station	572	4922	6.0
	Deming Compressor Station	867	4922	7.4
	Washington Ranch	220	4922	8.8
	Roswell Compressor Station	6	4922	1.5
	Lincoln Compressor Station	843	4922	0.9
	Bluewater Compressor Station	882	4922	4.1
Eunice B&C Compressor Station	669	4922	14.7	
Mid America Pipeline	Huerfano Pump Station	1201	4619	23.9
	San Ysidro Pump Station	1114	4619	23.4
	San Luis Pump Station	1109	4619	16.0
Enterprise Field Services LLC	Chaco Gas Plant	1148	1311	395.3
	Blanco Compressor C and D Station	3552	1311	263.5
	Rattlesnake Canyon Compressor Station	1423	4922	47.0
	South Carlsbad Compressor Station	218	4922	32.9
	Cedar Hill Compressor Station	1331	4922	6.5
Davis Gas Processing	Denton Gas Plant	568	1321	64.3
Souther Union Gas Limited	Jal No3 Gas Plant	569	1321	226.8
	West Eunice Compressor Station	755	1311	17.3
Frontier Field Services LLC	Empire Abo Gas Plant	191	1321	40.6
	Maljamar Gas Plant	565	1321	22.1
Agave Energy Company	Red Bluff No3 Compressor Station	19	4922	9.1
	Bitter Lake Compressor Station	14	4922	11.9
	Southern Union Compressor Station	24315	4922	7.9
	Agave Dagger Draw Gas Plant	211	1321	5.4
Yates Petroleum	Penasco Compressor Station	262	4922	3.9
Foamex	Santa Teresa Plant	133	3086	1.0
NuStar Logistics Operation LP	Hope Pump Station	52	4613	2.7

Owner	Master AI Facility Name	AI ID¹	SIC²	CO₂ Emissions (Thousand Metric Tons)
New Mexico Gas Company	Espejo Compressor Station	1110	4922	4.1
	PNM - Star Lake Compressor Station	905	4922	8.9
Black Hills Midstream LLC	Espinosa Canyon Amine Plant	21709	1311	24.2
Natural Gas Pipeline Company	Compressor Station No167	667	4922	6.6
Western Gas Resources	San Juan River Gas Plant	1252	1321	62.1
Intrepid Potash New Mexico LLC	East KCI Compaction	208	1474	106.6
Mosaic Potash Carlsbad Inc	Mosaic Potash Carlsbad Inc	196	1474	43.6
Freeport-McMoRan Chino Mines Co	Chino Mine - Hurley Facility	526	1021	87.8
	Tyrone Mine	527	1021	0.1
DairiConcenpts LLC	Portales	1094	2023	50.7
American Gypsum	Bernalillo (Wallboard) Plant	1104	3275	32.1
State of New Mexico	New Mexico State University Campus	144	8221	26.8
US Department of Energy	Los Alamos National Laboratory	856	9711	31.2
US Department of Defense	White Sands Missile Range	141	9711	2.3
	Holloman Air Force Base	942	9711	3.4
Total CO₂ emissions (Thousand Metric Tons)				24,206.1
¹ NMED Facility Identification Number				
² Standard Industrial Classification Code				

New Mexico 2009 Title V GHG Emissions Inventory

Owner	Master AI Facility Name	AI ID ¹	SIC ²	CO ₂ Emissions (Metric Tons)	CH ₄ Emissions (Metric Tons)	CO ₂ e Emissions (Thousand Metric Tons)
Northeast New Mexico Regional Landfill	Northeastern New Mexico Regional Landfill	930	4953	847	309	7.3
Otero/Lincoln (County of)	Solid Waste Landfill	955	4953	4	971	20.4
City of Clovis	Clovis Regional Solid Waste Facility Landfill	111	4953	5,036	1,836	43.6
Santa Fe County	Caja Del Rio Landfill	1484	4953	11	2,036	42.8
City of Carlsbad	Sand Point Landfill	511	4953	1,915	698	16.6
Sandoval County	Landfill	3752	4953	1,071	391	9.3
Valencia County	Landfill	21664	4953	1,166	425	10.1
San Juan County	Regional Landfill	4544	4953	6,048	2,204	52.3
City of Rio Rancho	Rio Rancho Sanitary Landfill	1128	4953	9,937	1,618	43.9
Waste Connection	Camino Real Landfill	167	4953	2,162	0	2.2
Public Service Company of New Mexico	San Juan Generating Stn.	1421	4911	12,140,276	1,276	12,167.1
	Luna Energy Facility	878	4911	680,337	11	680.6
	Afton Generating Station	164	4911	285,162	5	285.3
	Lordsburg Generating Station	560	4911	27,023	0	27.0
Tri-State Generating	Prewitt Escalante Generating Station	911	4911	1,963,983	253	1,969.3
	Pyramid Generating Station	558	4911	14,875	0	14.9
Excel Energy	Cunningham Station	604	4911	531,293	10	531.5
	Maddox Station	588	4911	239,450	4	239.5
El Paso Electric	Rio Grande Generating Station	122	4911	297,241	5	297.3
City of Farmington	Bluffview Power Plant	3535	4911	189,337	3	189.4
	Animas Plant	1159	4911	70,865	1	70.9
Valencia Power LLC	Valencia Energy Facility	1611	4911	26,384	0	26.4
Lea Power Partners LLC	Hobbs Generating Station	25726	4911	1,299,637	22	1,300.1
Val Verde Gas Gathering Company, LP	Val Verde Treater	1182	1321	1,249,326	4	1,249.4
	Pump Canyon Compressor Station	1183	4922	34,454	16	34.8
	Frances Mesa Compressor Station	1038	1389	21,034	846	38.8
	Gobernador/Manzanares Compressor Station	989	4922	33,981	818	51.2
	Buena Vista Compressor Station	1315	4922	11,185	360	18.7
	Middle Mesa Compressor Station	1193	4922	18,177	458	27.8
	Hart Canyon Compressor Station	1181	4922	19,352	633	32.6
	Arch Rock Compressor Station	1289	4922	7,062	89	8.9
Conoco Phillips	San Juan Gas Plant	1177	1321	249,087	15	249.4
	East Vacuum Liquid Recovery	638	1311	44,621	1	44.7
	Wingate Fractionation Plant	884	1321	93,595	4	93.7

Owner	Master AI Facility Name	AI ID ¹	SIC ²	CO ₂ Emissions (Metric Tons)	CH ₄ Emissions (Metric Tons)	CO ₂ e Emissions (Thousand Metric Tons)
	MCA Tank Battery No2	624	1311	12,670	615	25.6
DCP Midstream	Artesia Gas Plant	199	1321	61,472	541	72.8
	Eunice Gas Plant	595	1321	169,459	931	189.0
	Linam Ranch Gas Plant	589	1321	213,840	1,751	250.6
	Pecos Diamond Gas Plant	227	1321	10,839	244	16.0
	Antelope Ridge Gas Plant	621	1321	10,436	151	13.6
	Golfcourse Booster Station	592	1311	14,306	336	21.4
	Monument Booster Station	593	1311	15,312	232	20.2
	Lusk Plant	599	1311	13,702	83	15.4
	South Hat Mesa Booster Station	665	4922	18,828	280	24.7
	Oil Center Compressor Station	668	4922	8,810	262	14.3
	Quail Booster Station	679	1311	14,232	179	18.0
Williams Four Corners	Milagro Cogeneration and Gas Plant	1277	1389	1,506,123	537	1,517.4
	Kutz Gas Plant	1158	1321	181,178	129	183.9
	El Cedro Gas Plant	1002	1311	207,344	40	208.2
	La Jara Compressor Station	1010	1389	58,695	38	59.5
	Lybrook Gas Plant	979	4922	110,637	11	110.9
	Dogie Canyon Compressor Station	990	4922	42,060	34	42.8
	32-8 No2 CDP Compressor Station	1236	1389	44,225	860	62.3
	32-7 CDP Compressor Station	1221	1389	50,537	780	66.9
	Trunk L Compressor Station	1037	1389	47,960	908	67.0
	Laguna Seca Compressor Station	1011	1389	36,425	263	41.9
	Chaco Compressor Station	1189	1389	40,313	50	41.4
	Middle Mesa CDP Compressor Station	1272	1389	37,059	395	45.4
	30-5 CDP Compressor Stn.	998	1389	29,879	186	33.8
	32-8 No3 CDP Compressor Station	1168	1389	18,262	471	28.2
	29-6 CDP No2 Compressor Station	1007	1389	23,360	422	32.2
	29-6 No4 CDP Compressor Station	1013	1389	15,296	162	18.7
	32-9 Central Delivery Point (CDP)	1226	1389	16,531	459	26.2
	Carracas CDP Compressor Station	1009	1389	21,308	634	34.6
	Lateral N30 Compressor Station	1347	1389	14,020	277	19.8
	31-6 CDP Compressor Station	1006	1389	14,230	1,492	45.6
	Trunk N Compressor Station	1303	1389	17,516	44	18.4
	Trunk B Compressor Station	1350	1389	16,726	0	16.7
	Rosa No1 Compressor Station	1367	1389	19,185	616	32.1
Aztec CDP Compressor Station No1327	1276	1389	11,320	306	17.8	
Cedar Hill Central Delivery Point	1227	1389	8,829	488	19.1	

Owner	Master AI Facility Name	AI ID ¹	SIC ²	CO ₂ Emissions (Metric Tons)	CH ₄ Emissions (Metric Tons)	CO ₂ e Emissions (Thousand Metric Tons)
	Horse Canyon Central Delivery Point	1274	1389	14,085	395	22.4
	Pump Mesa Compressor Station	1273	1389	22,144	695	36.7
	Thompson Compressor Station	1191	1389	24,445	43	25.3
	Sims Mesa Compressor Station	1040	1389	5,893	150	9.0
	North Crandall Compressor Station	1374	1389	8,756	19	9.2
	Trunk A Booster Compressor Station	1342	1389	17,013	36	17.8
Transwestern Pipeline Company	Roswell Compressor Station No9	10	4922	0	79	1.7
	Corona Compressor Station	849	4922	1,125	162	4.5
	Atoka No3 Compressor Station	205	4922	7,681	314	14.3
	Thoreau No5 Compressor Station	890	4922	275	100	2.4
	Bloomfield Compressor Station	1192	4922	64,092	1,786	101.6
	Mountainair No7 Compressor Station	1569	4922	2,137	1	2.2
Navajo Refining	Navajo Refining - Artesia Refinery	198	2911	565,545	39	566.4
	Lovington Refinery	622	2911	108,099	17	108.5
Western Refining	Ciniza Refinery	888	2911	232,306	60	233.6
	Bloomfield Refinery	1156	2911	86,416	6	86.5
Versado Gas Processors, LLC	Targa - Eunice Gas Plant	609	1321	182,344	1,552	214.9
	Monument Gas Plant	610	1321	250,986	624	264.1
	Saunders Gas Plant	612	1321	85,757	654	99.5
	North Eunice Compressor Station	602	1311	45,750	199	49.9
	Targa - Vada Compressor Station	613	1311	15,240	117	17.7
	Buckeye Compressor Station	605	1311	42,023	116	44.5
OXY USA WTP Limited Partnership	Indian Basin Gas Plant	197	1321	83,246	781	99.6
El Paso Natural Gas	Lordsburg Compressor Station	553	4922	31,095	1,028	52.7
	Florida Compressor Station	868	4922	28,254	1,368	57.0
	Monument Compressor Station	571	4922	21,443	1,433	51.5
	Afton Compressor Station	123	4922	18,719	815	35.8
	Pecos River Compressor Station	194	4922	57,206	543	68.6
	Blanco Compressor Station A	1147	4922	25,532	3,122	91.1
	Belen Compressor Station	1590	4922	9,206	828	26.6
	Caprock Compressor Station	572	4922	4,052	605	16.7
	Deming Compressor Station	867	4922	81	5,313	111.7
	Washington Ranch	220	4922	16,061	1,049	38.1
	Roswell Compressor Station	6	4922	491	857	18.5
	Lincoln Compressor Station	843	4922	2,177	385	10.3
	Bluewater Compressor Station	882	4922	6,763	907	25.8
	Eunice B&C Compressor Station	669	4922	51,475	776	67.8

Owner	Master AI Facility Name	AI ID ¹	SIC ²	CO ₂ Emissions (Metric Tons)	CH ₄ Emissions (Metric Tons)	CO ₂ e Emissions (Thousand Metric Tons)
Mid America Pipeline	Huerfano Pump Station	1201	4619	27,824	1	27.8
	San Ysidro Pump Station	1114	4619	21,788	0	21.8
	San Luis Pump Station	1109	4619	14,724	0	14.7
Enterprise Field Services LLC	Chaco Gas Plant	1148	1311	463,148	9	463.3
	Blanco Compressor C and D Station	3552	1311	251,295	5	251.4
	Rattlesnake Canyon Compressor Station	1423	4922	33,441	481	43.6
	South Carlsbad Compressor Station	218	4922	39,287	1	39.3
	Cedar Hill Compressor Station	1331	4922	19,977	648	33.6
Davis Gas Processing	Denton Gas Plant	568	1321	12,638	126	15.3
Souther Union Gas Limited	Jal No3 Gas Plant	569	1321	155,714	376	163.6
	West Eunice Compressor Station	755	1311	20,125	0	20.1
	Jal No4 Compressor Station	570	4922	0	0	0.0
Frontier Field Services LLC	Empire Abo Gas Plant	191	1321	73,443	119	76.0
	Maljamar Gas Plant	565	1321	36,208	79	37.9
Agave Energy Company	Red Bluff No3 Compressor Station	19	4922	8,500	105	10.7
	Bitter Lake Compressor Station	14	4922	12,277	27	12.8
	Agave Dagger Draw Gas Plant	211	1321	4,133	39	4.9
Yates Petroleum	Penasco Compressor Station	262	4922	3,541	102	5.7
Foamex	Santa Teresa Plant	133	3086	372	0	0.4
NuStar Logistics Operation LP	Hope Pump Station	52	4613	4,158	0	4.2
New Mexico Gas Company	Espejo Compressor Station	1110	4922	2,578	22	3.0
	PNM - Star Lake Compressor Station	905	4922	9,626	64	11.0
Black Hills Midstream LLC	Espinosa Canyon Amine Plant	21709	1311	19,330	0	19.3
Natural Gas Pipeline Company	Compressor Station No167	667	4922	5,784	27	6.3
Western Gas Resources	San Juan River Gas Plant	1252	1321	42,502	731	57.8
Intrepid Potash New Mexico LLC	East KCI Compaction	208	1474	69,264	1	69.3
Mosaic Potash Carlsbad Inc	Mosaic Potash Carlsbad Inc	196	1474	35,038	1	35.1
Freeport-McMoRan Chino Mines Co	Chino Mine - Hurley Facility	526	1021	0	0	0.0
	Tyrone Mine	527	1021	14	0	0.0
DairiConcenpts LLC	Portales	1094	2023	37,252	1	37.3
American Gypsum	Bernalillo (Wallboard) Plant	1104	3275	18,467	0	18.5
State of New Mexico	New Mexico State University Campus	144	8221	31,346	19	31.8
US Department of Energy	Los Alamos National Laboratory	856	9711	56,460	1	56.5
US Department of Defense	White Sands Missile Range	141	9711	3,897	0	3.9
	Holloman Air Force Base	942	9711	3,897	4	4.0
Total Metric tons CO ₂				26,404,817		

Owner	Master AI Facility Name	AI ID ¹	SIC ²	CO ₂ Emissions (Metric Tons)	CH ₄ Emissions (Metric Tons)	CO ₂ e Emissions (Thousand Metric Tons)
Total Metric tons CO ₂ e from CH ₄					1,270,378	
Total CO₂e emissions (Thousand Metric Tons)						27,675.2
¹ NMED Facility Identification Number						
² Standard Industrial Classification Code						

New Mexico 2010 Title V GHG Emissions Inventory

Owner	Master AI Facility Name	AI_ID ¹	SIC ²	CO ₂	CH ₄	³ N ₂ O	⁴ CO ₂ e
Northeast New Mexico Regional Landfill	Northeastern New Mexico Regional Landfill	930	4953	1.6	572		13.6
Otero/Lincoln (County of)	Solid Waste Landfill	955	4953	0.0	1026.5		21.6
City of Clovis	Clovis Regional Solid Waste Facility Landfill	111	4953	0.0	1621.3		34.0
Santa Fe County	Caja Del Rio Landfill	1484	4953	0.0	1622.5		34.1
City of Carlsbad	Sand Point Landfill	511	4953	2.3	827.5		19.6
Sandoval County	Landfill	3752	4953	0.0	2344.1		49.2
Valencia County	Landfill	21664	4953	1.1	340.22		8.3
San Juan County	Regional Landfill	4544	4953	0.2	3037.7		64.0
City of Rio Rancho	Rio Rancho Sanitary Landfill	1128	4953	0.0	904.8		19.0
Waste Connection	Camino Real Landfill	167	4953	0.0	6408.4		134.6
Public Service Company of New Mexico	San Juan Generating Stn.	1421	4911	10651.7	1200	174.6	10731.1
	Luna Energy Facility	878	4911	785.0	14.6	1.5	785.8
	Afton Generating Station	164	4911	129.9	2.4	0.24	130.0
	Lordsburg Generating Station	560	4911	24.2	0.5	0.045	24.2
Tri-State Generating	Prewitt Escalante Generating Station	911	4911	1848.0	213.7	31.1	1862.2
	Pyramid Generating Station	558	4911	33.0	0.7	0.1	33.0
Excel Energy	Cunningham Station	604	4911	576.1	10.7	1.1	576.6
	Maddox Station	588	4911	267.8	5	0.5	268.0
El Paso Electric	Rio Grande Generating Station	122	4911	457.1	8.5	0.8	457.5
City of Farmington	Bluffview Power Plant	3535	4911	179.1	3.3	0.3	179.3
	Animas Plant	1159	4911	78.9	1.5	0.2	79.0
Valencia Power LLC	Valencia Energy Facility	1611	4911	47.2	0.9	0.1	47.2
Lea Power Partners LLC	Hobbs Generating Station	25726	4911	1221.7	1.1	0.2	1221.8
Val Verde Gas Gathering Company, LP	Val Verde Treater	1182	1321	1431.6	2522.3	0.6	1484.8
	Pump Canyon Compressor Station	1183	4922	30.9	162.7	0.1	34.3
	Frances Mesa Compressor Station	1038	1389	21.5	900.3		40.4
	Gobernador/Manzanares Compressor Station	989	4922	20.7	817.8		37.8
	Middle Mesa Compressor Station	1193	4922	16.8	500		27.3
	Hart Canyon Compressor Station	1181	4922	14.5	697.92		29.2
Conoco Phillips	San Juan Gas Plant	1177	1321	233.1	4937.4	0.4	336.9
	East Vacuum Liquid Recovery	638	1311	34.5	0.7	0.1	34.6
	Wingate Fractionation Plant	884	1321	34.6	0.1	0.1	34.6
	MCA Tank Battery No2	624	1311	5.2	1.7		5.2

New Mexico 2010 Title V GHG Emissions Inventory

Owner	Master AI Facility Name	AI_ID ¹	SIC ²	CO ₂	CH ₄	³ N ₂ O	⁴ CO ₂ e	
DCP Midstream	Artesia Gas Plant	199	1321	66.5	253.1	0.1	71.9	
	Eunice Gas Plant	595	1321	110.6	1154	0.2	134.9	
	Linam Ranch Gas Plant	589	1321	152.5	2311.07	0.3	201.2	
	Pecos Diamond Gas Plant	227	1321	8.4	69.1		9.8	
	Antelope Ridge Gas Plant	621	1321	2.2	39.1		3.0	
	Golfcourse Booster Station	592	1311	18.0	268.2		23.6	
	Monument Booster Station	593	1311	17.2	302.3		23.5	
	Lusk Plant	599	1311	11.6	88.11		13.4	
	South Hat Mesa Booster Station	665	4922	15.4	202.1		19.7	
	Oil Center Compressor Station	668	4922	5.4	183.2		9.2	
	Quail Booster Station	679	1311	7.6	125.6		10.2	
	Williams Four Corners	Milagro Cogeneration and Gas Plant	1277	1389	970.0	1542	1	1002.7
		Kutz Gas Plant	1158	1321	184.7	722.3	0.3	200.0
		El Cedro Gas Plant	1002	1311	148.7	501	0.3	159.3
La Jara Compressor Station		1010	1389	67.2	74.9	0.1	68.8	
Lybrook Gas Plant		979	4922	60.3	225.1	0.1	65.1	
Dogie Canyon Compressor Station		990	4922	47.3	493	0.1	57.7	
32-8 No2 CDP Compressor Station		1236	1389	55.2	818.7	0.1	72.4	
32-7 CDP Compressor Station		1221	1389	56.7	1024.5	0.1	78.2	
Trunk L Compressor Station		1037	1389	61.7	1143.3	0.1	85.7	
Laguna Seca Compressor Station		1011	1389	42.7	515.2	0.1	53.6	
Chaco Compressor Station		1189	1389	31.5	61.3	0.1	32.8	
Middle Mesa CDP Compressor Station		1272	1389	48.7	638.3	0.1	62.1	
30-5 CDP Compressor Stn.		998	1389	39.0	294.8	0.1	45.2	
32-8 No3 CDP Compressor Station		1168	1389	22.4	319.3	0.04	29.1	
29-6 CDP No2 Compressor Station		1007	1389	25.5	317.8	0	32.1	
29-6 No4 CDP Compressor Station		1013	1389	21.8	262.9	0.04	27.3	
32-9 Central Delivery Point (CDP)		1226	1389	21.6	438.7	0.04	30.8	
Carracas CDP Compressor Station		1009	1389	25.3	568.6		37.2	
Lateral N30 Compressor Station		1347	1389	16.7	180.3		20.5	
31-6 CDP Compressor Station	1006	1389	64.3	1153.4	0.1	88.5		
Trunk N Compressor Station	1303	1389	22.4	255.9		27.7		
Trunk B Compressor Station	1350	1389	5.0	41.3		5.8		

New Mexico 2010 Title V GHG Emissions Inventory

Owner	Master AI Facility Name	AI_ID ¹	SIC ²	CO ₂	CH ₄	³ N ₂ O	⁴ CO ₂ e
	Rosa No1 Compressor Station	1367	1389	23.1	490.2		33.4
	Aztec CDP Compressor Station No1327	1276	1389	13.5	252.8	0.02	18.9
	Cedar Hill Central Delivery Point	1227	1389	8.4	191.4		12.4
	Horse Canyon Central Delivery Point	1274	1389	16.9	219.1		21.5
	Pump Mesa Compressor Station	1273	1389	26.4	574.8	0.1	38.5
	Thompson Compressor Station	1191	1389	24.4	114		26.8
	Sims Mesa Compressor Station	1040	1389	6.1	149.4		9.2
	North Crandall Compressor Station	1374	1389	9.7	56.5		10.9
	Trunk A Booster Compressor Station	1342	1389	26.9	132.9	0.1	29.8
Transwestern Pipeline Company	Roswell Compressor Station No9	10	4922	0.0	194		4.1
	Corona Compressor Station	849	4922	8.8	264		14.4
	Atoka No3 Compressor Station	205	4922	4.6	372.8		12.5
	Thoreau No5 Compressor Station	890	4922	3.4	101.2		5.5
	Bloomfield Compressor Station	1192	4922	32.6	185.2	0.1	36.6
	Mountainair No7 Compressor Station	1569	4922	9.1	132.2		11.9
Navajo Refining	Navajo Refining - Artesia Refinery	198	2911	791.4	51	4.3	793.8
	Lovington Refinery	622	2911	131.9	16	0.2	132.3
Western Refining	Ciniza Refinery	888	2911	257.9	146.6	1.8	261.5
	Bloomfield Refinery	1156	2911	2.0	0	0	2.0
Versado Gas Processors, LLC	Targa - Eunice Gas Plant	609	1321	164.4	1551.7		197.0
	Monument Gas Plant	610	1321	8.3	1060.1		30.6
	Saunders Gas Plant	612	1321	79.6	909.2		98.7
	North Eunice Compressor Station	602	1311	0.0	208.1		4.4
	Targa - Vada Compressor Station	613	1311	16.7	125		19.4
	Buckeye Compressor Station	605	1311	0.0	93.5		2.0
OXY USA WTP Limited Partnership	Indian Basin Gas Plant	197	1321	123.7	2.33	0.2	123.9
El Paso Natural Gas	Lordsburg Compressor Station	553	4922	24.1	1090.9		47.0
	Florida Compressor Station	868	4922	17.3	1417.6		47.1
	Eunice A Compressor Station	566	4922	46.0	0.9	0.1	46.1
	Monument Compressor Station	571	4922	9.8	1431.7		39.8
	Afton Compressor Station	123	4922	7.6	883.7		26.2
	Pecos River Compressor Station	194	4922	53.3	529.3	0.1	64.4

New Mexico 2010 Title V GHG Emissions Inventory

Owner	Master AI Facility Name	AI_ID ¹	SIC ²	CO ₂	CH ₄	³ N ₂ O	⁴ CO ₂ e
	Blanco Compressor Station A	1147	4922	21.6	3204.2	0	88.9
	Belen Compressor Station	1590	4922	7.5	805.6		24.4
	Caprock Compressor Station	572	4922	6.7	592.1		19.2
	Deming Compressor Station	867	4922	0.1	5333.6		112.1
	Washington Ranch	220	4922	10.7	873.5		29.0
	Roswell Compressor Station	6	4922	0.0	766.2		16.1
	Lincoln Compressor Station	843	4922	0.8	396.5		9.1
	Bluewater Compressor Station	882	4922	9.7	843.9		27.4
	Eunice B&C Compressor Station	669	4922	0.0	731.9		15.4
Mid America Pipeline	Huerfano Pump Station	1201	4619	19.4	3.8		19.5
	San Ysidro Pump Station	1114	4619	20.5	2		20.6
	San Luis Pump Station	1109	4619	14.7	5.2		14.9
Enterprise Field Services LLC	Chaco Gas Plant	1148	1311	442.9	8.4	0.8	443.3
	Blanco Compressor C and D Station	3552	1311	250.0	303.5	0.5	256.6
	Rattlesnake Canyon Compressor Station	1423	4922	35.0	509.4	0.1	45.7
	South Carlsbad Compressor Station	218	4922	30.9	19.8	0.1	31.4
	Cedar Hill Compressor Station	1331	4922	20.8	967		41.1
Davis Gas Processing	Denton Gas Plant	568	1321	12.2	122.5		14.8
Souther Union Gas Limited	Jal No3 Gas Plant	569	1321	182.5	1955.7	0.3	223.7
	West Eunice Compressor Station	755	1311	21.8	65.2		23.1
Frontier Field Services LLC	Empire Abo Gas Plant	191	1321	93.2	467.4	0.6	103.2
	Maljamar Gas Plant	565	1321	40.5	901.9		59.5
Agave Energy Company	Red Bluff No3 Compressor Station	19	4922	8.6	130		11.4
	Bitter Lake Compressor Station	14	4922	12.9	62.4		14.2
	Agave Dagger Draw Gas Plant	211	1321	4.3	45.7		5.3
Yates Petroleum	Penasco Compressor Station	262	4922	2.2	121.1		4.7
Foamex	Santa Teresa Plant	133	3086	0.5			0.5
NuStar Logistics Operation LP	Hope Pump Station	52	4613	4.0	0.2		4.1
New Mexico Gas Company	Espejo Compressor Station	1110	4922	1.4	132.3		4.2
	PNM - Star Lake Compressor Station	905	4922	9.7	269.9		15.4
Black Hills Midstream LLC	Espinosa Canyon Amine Plant	21709	1311	19.3	250.5		24.5
Natural Gas Pipeline Company	Compressor Station No167	667	4922	1.2	15.6		1.5
Western Gas Resources	San Juan River Gas Plant	1252	1321	96.3	4.92	0.1	96.4

New Mexico 2010 Title V GHG Emissions Inventory

Owner	Master AI Facility Name	AI_ID ¹	SIC ²	CO ₂	CH ₄	³ N ₂ O	⁴ CO ₂ e	
Intrepid Potash New Mexico LLC	East KCI Compaction	208	1474	69.5	1.3	1.3	69.9	
Mosaic Potash Carlsbad Inc	Mosaic Potash Carlsbad Inc	196	1474	45.3	0.9		45.3	
Freepport-McMoRan Chino Mines Co	Chino Mine - Hurley Facility	526	1021	0.2	0		0.2	
	Tyrone Mine	527	1021	0.0	0		0.0	
DairiConcenpts LLC	Portales	1094	2023	29.8	0.6	0.04	29.8	
American Gypsum	Bernalillo (Wallboard) Plant	1104	3275	0.3			0.3	
State of New Mexico	New Mexico State University Campus	144	8221	35.5	0.7	0.1	35.6	
US Department of Energy	Los Alamos National Laboratory	856	9711	60.3	1.2	0.1	60.3	
US Department of Defense	White Sands Missile Range	141	9711	2.4	0.1		2.4	
	Holloman Air Force Base	942	9711	4.6	0.1		4.6	
				Total (CO₂e)	24,200.3	1,683.4	70.2	25,954.0
¹ NMED Facility Identification Number								
² Standard Industrial Classification Code								
³ EPA Reporters								
⁴ Thousand Metric Tons								

New Mexico 2011 Title V GHG Emissions Inventory

Owner	Master AI Facility Name	AI_ID ¹	SIC ²	CO ₂	CH ₄	³ N ₂ O	⁴ CO ₂ e
Northeast New Mexico Regional Landfill	Northeastern New Mexico Regional Landfill	930	4953	1.7	615.0		14.6
Otero/Lincoln (County of)	Otero Regional Solid Waste Landfill	955	4953	0.0	1080.1		22.7
City of Clovis	Clovis Regional Solid Waste Facility Landfill	111	4953	0.0	1706.1		35.8
Santa Fe County	Caja Del Rio Landfill	1484	4953	0.0	854.5		17.9
City of Carlsbad	Sand Point Landfill	511	4953	2.3	849.1		20.2
Sandoval County	Sandoval County Landfill	3752	4953	0.0	2429.4		51.0
Valencia County	Valencia Regional Landfill	21664	4953	1.0	320.4		7.7
San Juan County	San Juan Regional County Landfill	4544	4953	0.2	3207.0		67.5
City of Rio Rancho	Rio Rancho Sanitary Landfill	1128	4953	0.0	1260.0		26.5
Waste Connection	Camino Real Landfill	167	4953	0.0	6408.4		134.6
South Central Solid Waste Authority	Corralitos Landfill	175	4953	0.0	1877.6		39.4
Public Service Company of New Mexico	San Juan Generating Stn.	1421	4911	11732.4	1356.7	197.4	11822.1
	Luna Energy Facility	878	4911	737.8	13.8	1.4	738.5
	Afton Generating Station	164	4911	124.0	2.3	0.2	124.2
	Lordsburg Generating Station	560	4911	14.5	0.3	0.0	14.5
Tri-State Generating	Prewitt Escalante Generating Station	911	4911	1883.9	217.5	31.6	1898.3
	Pyramid Generating Station	558	4911	22.3	0.5	0.1	22.3
Excel Energy	Cunningham Station	604	4911	680.8	12.6	1.3	681.5
	Maddox Station	588	4911	257.3	4.2	0.4	257.6
El Paso Electric	Rio Grande Generating Station	122	4911	449.2	8.3	0.8	449.7
City of Farmington	Bluffview Power Plant	3535	4911	100.6	1.9	0.3	100.7
	Animas Plant	1159	4911	77.8	1.5	0.1	77.9
Valencia Power LLC	Valencia Energy Facility	1611	4911	62.2	1.2	0.1	62.2
Lea Power Partners LLC	Hobbs Generating Station	25726	4911	1277.2	24.0		1277.7
Val Verde Gas Gathering Company, LP	Val Verde Treater	1182	1321	1656.2	4.6	0.5	1656.4
	Pump Canyon Compressor Station	1183	4922	26.8	1659.2	0.1	61.6
	Frances Mesa Compressor Station	1038	1389	20.2	1337.5		48.3
	Gobernador/Manzanares Compressor Station	989	4922	19.1	1293.3		46.3
	Middle Mesa Compressor Station	1193	4922	14.2	767.8		30.4
	Hart Canyon Compressor Station	1181	4922	11.9	1060.5		34.2
Conoco Phillips	San Juan Gas Plant	1177	1321	252.7	117.0	0.5	255.3
	East Vacuum Liquid Recovery	638	1311	48.7	11.3	0.1	48.9
	Wingate Fractionation Plant	884	1321	38.0	22.1	0.1	38.5
	MCA Tank Battery No2	624	1311	0.0			0.0
DCP Midstream	Artesia Gas Plant	199	1321	102.9	306.1	0.2	109.4
	Eunice Gas Plant	595	1321	165.7	162.1	0.2	169.2
	Linam Ranch Gas Plant	589	1321	288.5	309.4	0.3	295.1
	Golfcourse Booster Station	592	1311	30.8	135.7		33.7

Owner	Master AI Facility Name	AI_ID ¹	SIC ²	CO ₂	CH ₄	³ N ₂ O	⁴ CO ₂ e
	Monument Booster Station	593	1311	13.4	125.5		16.1
	Lusk Plant	599	1311	14.9	100.3		17.0
	South Hat Mesa Booster Station	665	4922	14.7	164.3		18.1
	Oil Center Compressor Station	668	4922	7.6	94.9		9.6
	Quail Booster Station	679	1311	7.8	101.2		9.9
Williams Four Corners	Milagro Cogeneration and Gas Plant	1277	1389	1062.6	558.7	0.8	1074.6
	Kutz Gas Plant	1158	1321	177.4	3420.9	0.3	249.3
	El Cedro Gas Plant	1002	1311	182.3	1334.4	0.3	210.4
	La Jara Compressor Station	1010	1389	62.9	110.7	0.1	65.3
	Lybrook Gas Plant	979	4922	84.1	1038.2	0.1	106.0
	Dogie Canyon Compressor Station	990	4922	46.4	495.9	0.1	56.8
	32-8 No2 CDP Compressor Station	1236	1389	49.2	845.0	0.1	67.0
	32-8 No3 CDP Compressor Station	1168	1389	17.7	348.3	0.0	25.0
	32-7 CDP Compressor Station	1221	1389	52.2	926.2	0.1	71.6
	Trunk L Compressor Station	1037	1389	58.5	1174.4	0.1	83.2
	Laguna Seca Compressor Station	1011	1389	42.6	431.8	0.1	51.7
	Chaco Compressor Station	1189	1389	28.6	118.6	0.1	31.1
	Middle Mesa CDP Compressor Station	1272	1389	39.2	535.5	0.1	50.4
	30-5 CDP Compressor Station.	998	1389	36.4	222.0	0.1	41.1
	29-6 CDP No2 Compressor Station	1007	1389	19.6	306.0	0.0	26.1
	29-6 No4 CDP Compressor Station	1013	1389	18.1	274.5	0.0	23.9
	32-9 Central Delivery Point (CDP)	1226	1389	18.7	608.9	0.0	31.5
	Carracas CDP Compressor Station	1009	1389	30.3	569.6	0.1	42.2
	Lateral N30 Compressor Station	1347	1389	11.5	201.0	0.0	15.7
	31-6 CDP Compressor Station	1006	1389	66.6	1364.3	0.1	95.3
	Trunk N Compressor Station	1303	1389	20.5	239.0	0.0	25.6
	Trunk B Compressor Station	1350	1389	1.1	45.7	0.0	2.1
	Rosa No1 Compressor Station	1367	1389	21.3	585.7	0.0	33.6
	Aztec CDP Compressor Station No1327	1276	1389	11.4	403.4	0.0	19.9
	Cedar Hill Central Delivery Point	1227	1389	9.1	172.7	0.1	12.8
	Decker Junction Central Delivery Point	1267	1389	3.2	0.6	0.0	3.2
	Horse Canyon Central Delivery Point	1274	1389	17.0	211.2	0.0	21.5
	Pump Mesa Compressor Station	1273	1389	24.5	503.0	0.1	35.1
	Thompson Compressor Station	1191	1389	24.8	94.4	0.1	26.8
	Sims Mesa Compressor Station	1040	1389	6.0	134.8	0.0	8.8
	North Crandall Compressor Station	1374	1389	11.7	102.1	0.0	13.9
	Trunk A Booster Compressor Station	1342	1389	4.1	95.7	0.0	6.1
	Trunk M Compressor Station	1034	1389	12.6	646.9	0.0	26.2

Owner	Master AI Facility Name	AI_ID ¹	SIC ²	CO ₂	CH ₄	³ N ₂ O	⁴ CO ₂ e
	Manzanares Compressor Station	1275	1389	5.7	103.0	0.0	7.9
Transwestern Pipeline Company	Roswell Compressor Station No9	10	4922	0.0	66.2	0.0	1.4
	Corona Compressor Station	849	4922	1.6	43.7	0.0	2.5
	Atoka No3 Compressor Station	205	4922	0.1	66.9		1.5
	Thoreau No5 Compressor Station	890	4922	0.0	1.5	0.0	0.1
	Bloomfield Compressor Station	1192	4922	33.9	151.0	0.1	37.1
	Mountainair No7 Compressor Station	1569	4922	0.0	1.5		0.1
Navajo Refining	Navajo Refining - Artesia Refinery	198	2911	761.4	71.3	4.2	764.2
	Lovington Refinery	622	2911	132.5	11.0	0.2	132.8
Western Refining	Ciniza Refinery	888	2911	276.9	66.9	1.9	278.9
	Bloomfield Refinery	1156	2911	4.1	0.1		4.1
Versado Gas Processors, LLC	Targa - Eunice Gas Plant	609	1321	212.6	391.8	8.3	223.4
	Targa - Monument Gas Plant	610	1321	84.3	116.5	0.1	86.8
	Targa - Saunders Gas Plant	612	1321	77.4	243.7	0.1	82.5
	Targa - North Eunice Compressor Station	602	1311	30.9	0.6	0.1	30.9
	Targa - Vada Compressor Station	613	1311	16.0	125.0		18.7
	Buckeye Compressor Station	605	1311	4.4	82.8		6.1
OXY USA WTP Limited Partnership	Indian Basin Gas Plant	197	1321	84.6	38.1	0.2	85.4
El Paso Natural Gas	Lordsburg Compressor Station	553	4922	16.7	57.6		17.9
	Florida Compressor Station	868	4922	17.7	146.8		20.8
	Monument Compressor Station	571	4922	10.1	609.2		22.9
	Afton Compressor Station	123	4922	1.0	64.6		2.4
	Pecos River Compressor Station	194	4922	45.0	103.1	0.1	47.2
	Blanco Compressor Station A	1147	4922	19.3	913.8	0.0	38.5
	Belen Compressor Station	1590	4922	6.6	62.9		8.0
	Caprock Compressor Station	572	4922	6.9	62.8		8.3
	Deming Compressor Station	867	4922	0.0	548.2		11.5
	Washington Ranch	220	4922	12.2	277.1		18.0
	Roswell Compressor Station	6	4922	0.0	12.1		0.3
	Lincoln Compressor Station	843	4922	6.9	5.8		7.0
	Bluewater Compressor Station	882	4922	11.2	38.2		12.0
	Eunice B&C Compressor Station	669	4922	43.2	37.9	0.1	44.0
Mid America Pipeline	Huerfano Pump Station	1201	4619	22.3	139.6		25.2
	San Ysidro Pump Station	1114	4619	23.9	168.7		27.4
	San Luis Pump Station	1109	4619	18.2	173.7		21.9
Enterprise Field Services LLC	Chaco Gas Plant	1148	1311	458.1	2258.4	0.9	505.8
	Blanco Compressor C and D Station	3552	1311	275.5	736.0	0.5	291.1
	Rattlesnake Canyon Compressor Station	1423	4922	85.5	196.9	0.1	89.6
	South Carlsbad Compressor Station	218	4922	29.4	217.7	0.1	34.0
	Cedar Hill Compressor Station	1331	4922	19.6	1190.5		44.6

Owner	Master AI Facility Name	AI_ID ¹	SIC ²	CO ₂	CH ₄	³ N ₂ O	⁴ CO ₂ e	
Davis Gas Processing	Denton Gas Plant	568	1321	11.0	140.0		13.9	
Southern Union Gas Limited	Jal No3 Gas Plant	569	1321	208.0	344.1	0.3	215.3	
	West Eunice Compressor Station	755	1311	17.8	79.8		19.5	
Frontier Field Services LLC	Empire Abo Gas Plant	191	1321	140.4	1291.6	0.2	167.6	
	Maljamar Gas Plant	565	1321	61.3	355.4	0.1	68.8	
Agave Energy Company	Red Bluff No3 Compressor Station	19	4922	6.2	131.9		9.0	
	Bitter Lake Compressor Station	14	4922	9.7	170.8	0.0	13.3	
	Agave - Southern Union Compressor	24315	4922	6.1	92.8		8.1	
	Agave Dagger Draw Gas Plant	211	1321	2.2	89.4		4.1	
Yates Petroleum	Penasco Compressor Station	262	4922	0.6	121.9		3.2	
Foamex	Santa Teresa Plant	133	3086	0.5			0.5	
NuStar Logistics Operation LP	Hope Pump Station	52	4613	4.5	0.2		4.5	
New Mexico Gas Company	Espejo Compressor Station	1110	4922	1.9	125.9		4.6	
	PNM - Star Lake Compressor Station	905	4922	10.4	273.6		16.1	
Black Hills Midstream LLC	Espinosa Canyon Amine Plant	21709	1311	16.9	250.9	0.0	22.2	
Natural Gas Pipeline Company	Compressor Station No167	667	4922	1.6	16.1	0.0	2.0	
Western Gas Resources	San Juan River Gas Plant	1252	1321	69.8	105.3	0.1	72.1	
Intrepid Potash New Mexico LLC	East KCI Compaction	208	1474	67.8	1.2	0.2	67.9	
Mosaic Potash Carlsbad Inc	Mosaic Potash Carlsbad Inc	196	1474	45.7	0.9	0.1	45.7	
Freeport-McMoRan Chino Mines Co	Chino Mine - Hurley Facility	526	1021	27.9	0.5	0.1	28.0	
	Tyrone Mine	527	1021	0.0	0.0	0.0	0.0	
DairiConcenpts LLC	DAIRICONCEPTS - Portales	1094	2023	31.8	0.6	0.1	31.8	
American Gypsum	Bernalillo (Wallboard) Plant	1104	3275	0.0	0.0	0.0	0.0	
State of New Mexico	New Mexico State University Campus	144	8221	33.8	0.6	0.1	33.8	
US Department of Energy	Los Alamos National Laboratory	856	9711	59.2	1.1	0.1	59.3	
US Department of Defense	White Sands Missile Range	141	9711	0.6	0.1	0.0	0.6	
	Holloman Air Force Base	942	9711	2.0	0.0	0.0	2.0	
				Total (CO₂e)	26125.6	1288.2	79.6	27493.3
	¹ NMED Facility Identification Number							
	² Standard Industrial Classification Code							
	³ Required by EPA							
	⁴ Thousand Metric Tons (Carbon Dioxide Equivalent)							