



**Sierra Club Fact Sheet:
Nitrogen Oxides Pollution Reductions Needed in Texas to Meet new EPA
Health-Based, Air Quality Standard for Ozone**

Source: TCEQ 2007 Industry Emissions Inventory
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Three metropolitan areas of Texas – **Dallas/Fort Worth, Houston/Galveston, and Beaumont/Port Arthur** are currently in ‘non-attainment’ of the present, less-protective E.P.A. ozone standard. When the proposed new, health-based ozone rule revision becomes the standard, the number of Texas regions becoming in ‘non-attainment’ of the clean air standards will likely double.

Austin, East Texas/Longview/ Tyler/Marshall, El Paso, and San Antonio are highly likely to become in non-attainment of a 70 parts per billion, health-based standard. The following areas will likely become borderline and possibly non-attainment: **Corpus Christi, Victoria/Goliad, and Waco/Temple.**

Q. What are the sources of ozone pollution in Texas?

A. Coal plants are the largest industrial source of ozone pollution.
That is why clean energy solutions are vital to clean air.

Ozone is formed from nitrogen oxides (NOx) and volatile organic compounds from the following sources: **coal plants, cement kilns, refineries and chemical plants; smaller yet numerous sources including gasoline service stations and paint shops; our vehicles in traffic, off-road, heavy construction equipment; and natural gas drilling.**

Of all large industrial NOx emissions (390,802 tons) in Texas in 2007, 40% of the NOx emissions (156,997 tons) come from power plants. Most of the power plant NOx emissions (128,580 tons annually) are from the 17 existing coal-fired power plants.

11 Recently Permitted and Proposed Coal Plants would emit 27,013 additional tons of NOx annually if they are permitted and go into operation. *Sierra Club and our environmental partners are challenging these coal plant permits.*

Proposed New Coal Plants in Texas	County	Annual Tons of Additional NOx Pollution in Texas
TXU Oak Grove 1-2	Robertson	6,286
White Stallion 1-4	Matagorda	4,048
Las Brisas	Nueces	3,776
TXU Sandow	Milam	2,593



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Tenaska	Nolan	1,819
LS Power Sandy Creek	McLennan	1,793
CPS Spruce	Bexar	1,752
NRG Limestone	Limestone	1,752
IPC Coletto Creek	Goliad	1,461
Formosa Plastics	Calhoun	920
Nucoastal	Calhoun	813
Summit	Ector (West Tx)	
Total Annual NOx Emissions (in tons) from Proposed Coal Plants in Texas		27,013 tons per year

Total annual NOx from other major industrial sources:

Texas chemical plants	44,662 tons
Natural gas liquids plants	43,637 tons
Total Texas natural gas plants	32,117 tons
Total Texas oil refineries	31,422 tons
Total Texas gas-fired power plants	28,417 tons
Total Texas Portland cement kilns	19,920 tons

Major Existing Industrial Sources of NOx pollution in Texas	County	NOx tons 2007	Type
MARTIN LAKE ELECTRICAL STATION	RUSK	15923.7605	Coal
MONTICELLO STEAM ELECTRIC STATION	TITUS	14569.4545	Coal
RELIANT ENERGY LIMESTONE	LIMESTONE	12870.99	Coal
WELSH POWER PLANT	TITUS	9410.25	Coal
HARRINGTON STATION	POTTER	9132.1691	Coal
SOMMERS DEELY SPRUCE POWER	BEXAR	8152.5434	Coal
TOLK STATION	LAMB	7813.403	Coal
FAYETTE POWER PROJECT	FAYETTE	6984.257	Coal
OKLAUNION POWER STATION	WILBARGER	6947.087	Coal
BIG BROWN STEAM ELECTRIC STATION	FREESTONE	6639.9351	Coal
PPG	WICHITA	5215.8851	Glass
SANDOW STEAM ELECTRIC	MILAM	4895.8521	Coal
WA PARISH STATION	FORT BEND	4718.59	Coal
AEP PIRKEY POWER PLANT	HARRISON	4361.9	Coal
INVISTA	VICTORIA	3771.5066	Chemical
DOW CHEMICAL	BRAZORIA	3513.9955	Chemical



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FORMOSA PLASTICS CORPORATION	CALHOUN	3390.3237	Chemical
E.G. HILL COMPRESSOR	HANSFORD	3370.9959	Natural Gas
COLETO CREEK POWER STATION	GOLIAD	3134	Coal
LIGNITE FIRED POWER PLANT	ATASCOSA	2953.19	Coal
TXI	ELLIS	2916.1	Cement
ENTERGY TEXAS INC	ORANGE	2899.1	Gas Power Plant
HOLCIM (TEXAS) LP	ELLIS	2862.023	Cement
SHERHAN PLANT	HANSFORD	2837.28	Natural Gas
BEAUMONT REFINERY	JEFFERSON	2737.7355	Refinery
SHELL OIL	HARRIS	2521.8303	Refinery
MOTIVA	JEFFERSON	2519.3574	Refinery
CELANESE	GRAY	2443.3596	Chemical
BORGER REFINERY	HUTCHINSON	2384.7553	Refinery
EVADALE MILL	JASPER	2295.3611	Paper
TEXAS LEHIGH CEMENT CO.	HAYS	2294	Cement
BALCONES PLANT	COMAL	2250.5008	Cement
KEYSTONE PLANT	WINKLER	2238.47	Natural Gas
GIBBONS CREEK	GRIMES	2231.1222	Coal
INVISTA SRW SABINE RIVER WORKS	ORANGE	2181.1048	Chemical
EXXONMOBIL REF & SUPPLY	HARRIS	2176.9295	Refinery
ODESSA CEMENT PLANT	ECTOR	1997.3404	Cement
PEGASUS GAS PLANT	MIDLAND	1996.96	Natural Gas
FULLERTON GAS PLANT	ANDREWS	1949.89	Natural Gas
NEWMAN STATION	EL PASO	1948.65	Gas Power Plant
TWIN OAKS POWER ELECTRIC STATION	ROBERTSON	1916.1833	Coal
HAWKINS GAS PLANT	WOOD	1907.8427	Natural Gas
CHOCOLATE BAYOU PLNT	BRAZORIA	1870.9761	Chemical
KING RANCH PLANT	KLEBERG	1849.0137	Natural Gas
BAYTOWN OLEFINS PLANT	HARRIS	1821.4623	Chemical
ALAMO CEMENT CO LTD	BEXAR	1785.3	Cement
ASH GROVE TEXASLP	ELLIS	1757.3243	Cement
VALERO PORT ARTHUR REFINERY	JEFFERSON	1745.6004	Refinery
WADDELL COMPRESSOR STATION	CRANE	1681.5035	Natural Gas
EASTMAN CHEMICAL COMPANY	HARRISON	1664.4305	Chemical