

**Plain Language Summary for New Source Review (NSR) Initial
Application for Air New Source Review Permit Number
183570/ PSDTX1706/GHGPSDTX272**

The following summary is provided for this pending air permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

NRG Prairie Energy Center, LLC (CN606495430) has submitted an application for initial air permit number 183570/ PSDTX1706/GHGPSDTX272. The Prairie Energy Center (PEC), (RN112421490), will produce electricity for sale and is located 1.5 miles north from the intersection of County Road 4419 and Farm Road 66 in Grandview, Hill County.

This permit will authorize the construction of two natural gas fired combined cycle combustion turbine generators with supporting equipment. PEC has listed in the application the pollutants and amounts that will be emitted for each facility. Below is the total amount for each pollutant that is proposed to be emitted each year for all the facilities.

Pollutant	Proposed Emissions (tons per year)
VOC	123.74
NO _x	306.86
CO	266.43
PM	212.29
PM ₁₀	212.28
PM _{2.5}	212.28
SO ₂	52.69
H ₂ SO ₄	37.38
CO ₂ e	4,405,280.15
Total HAPs	20.31

Combustion emissions from the new combustion turbines will be controlled with selective catalytic reduction technology for NO_x emissions, an oxidation catalyst for CO and VOC, and good combustion practices and operations controls for all other pollutants. Supporting equipment will meet best available control technology and be operated using good engineering practices.