

**Plain Language Summary for New Source Review (NSR) Initial
Application for Air New Source Review Permit Number 181016, PSDTX1674,
and GHGPSDTX256**

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.

Rayburn Country Electric Cooperative, Inc. (CN603693896) has submitted an application for initial permit number 181016, PSDTX1674, and GHGPSDTX256. The Rayburn Energy Station II power plant will produce electricity at the existing Rayburn Energy Station (RN106831423) site located at 510 Progress Drive, Sherman, Grayson County.

This permit will authorize air emissions from the operation of ten simple-cycle combustion turbines and associated equipment that will generate electricity. Rayburn Country Electric Cooperative, Inc. 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 facilities.

Pollutant	Proposed Emissions (tons per year)
Carbon Monoxide (CO)	343.04
Nitrogen Oxides (NO _x)	351.13
Particulate Matter (PM)	102.07
Particulate Matter with a diameter of 10 microns or less (PM ₁₀)	102.07
Particulate Matter with a diameter of 2.5 microns or less (PM _{2.5})	102.07
Sulfur Dioxide (SO ₂)	22.05
Volatile Organic Compounds (VOC)	43.20
Ammonia (NH ₃)	226.42
Sulfuric Acid (H ₂ SO ₄)	2.70
Greenhouse Gases (CO ₂ e)	1,918,307

The new facilities will be controlled by good combustion practices, firing low-sulfur fuels, low-NO_x emissions combustors, and selective catalytic reduction (SCR) systems.