



Nebraska Public Power District
Always there when you need us



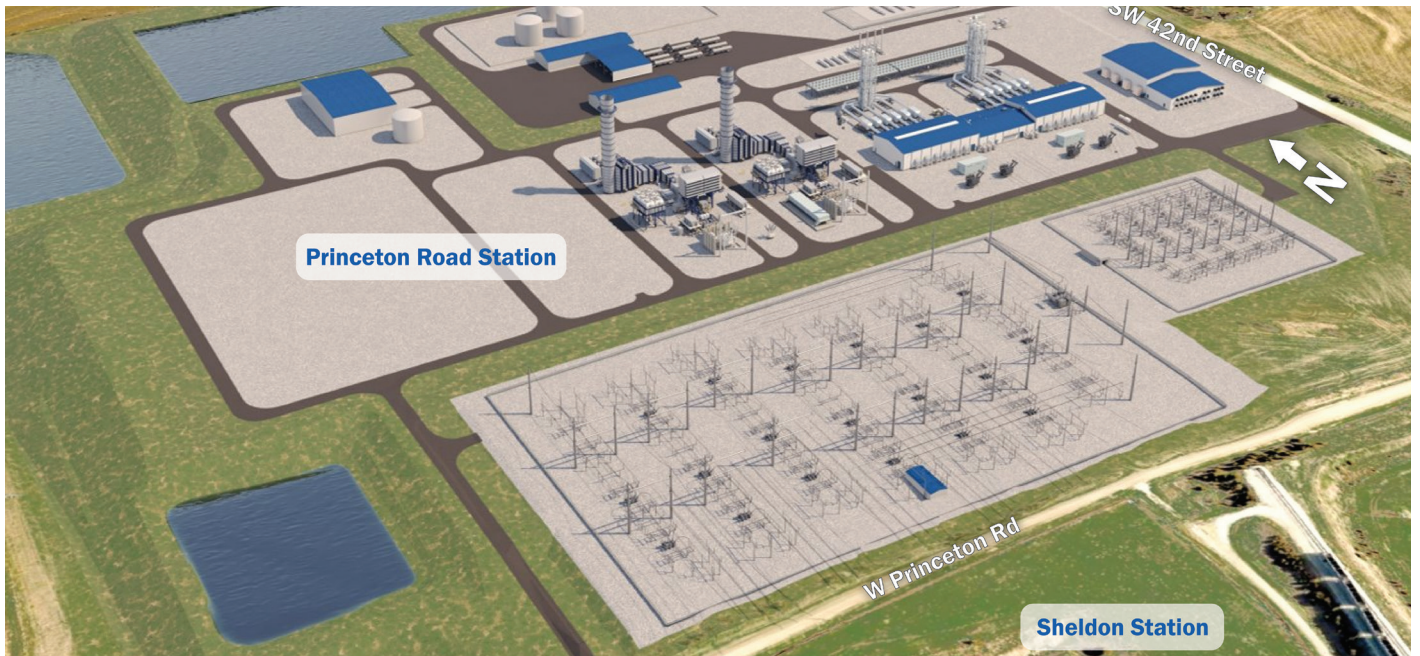
PRINCETON ROAD STATION

Nebraska's demand for electricity is continuing to grow. Many of the state's existing companies are looking to expand their businesses, and new companies, particularly those within or related to the agriculture industry, are interested in planting roots in our communities. To prepare for anticipated future energy needs, we are hard at work in the present. Construction has begun on a new facility called Princeton Road Station (PRS). PRS is being built on NPPD-owned land adjacent to our existing plant, Sheldon Station, in southern Lancaster County, just north of Hallam.

NPPD plans to install natural gas-powered generation at PRS - Combustion Turbines (CT) and Reciprocating Internal Combustion Engines (RICE). The majority of these generation resources have dual fuel capability and can utilize diesel fuel to generate electricity when needed. PRS will be constructed in two phases and will add a total of 1,411 megawatts to our fleet, which is estimated to serve just over 646,500 residential homes at full capacity. Furthermore, CTs and RICE units are known for their fast start up capabilities, making them flexible, efficient additions to our already diverse generation mix.

Generation Information

	PROJECT	ESTIMATED MW <i>(Summer)</i>	ESTIMATED TOTAL COST	TARGET IN SERVICE
PHASE 1	12 Reciprocating Internal Combustion Engines (RICE) and 2 Combustion Turbines (CT)	216 MW (RICE) 478 MW (CT)	\$3.1 Billion <i>(includes transmission costs)</i>	Summer 2029
PHASE 2	3 Combustion Turbines (CT)	717 MW	\$1.8 Billion <i>(includes transmission costs)</i>	June 2032 (1) & December 2032 (2)



Princeton Road Station Construction Timeline



FREQUENTLY ASKED QUESTIONS

How will PRS impact the local economy?

- Currently, there are plans to hire approximately 41 teammates total to staff and run the new facility.

How did NPPD choose these specific types of generation for Princeton Road Station?

- When adding any generation resources, NPPD carefully compares cost, risk, environmental attributes, operating flexibility, accredited capacity, and how the resources will complement our existing generation mix. As these factors were considered, CTs and RICE became the best options to add generation without compromising the reliability, resiliency, and affordability our customers have come to expect.

Will NPPD retire any generation facilities given the construction of Princeton Road Station?

- Currently, NPPD does not have any plans to retire any of our generation facilities. Princeton Road Station will complement our existing fleet and strengthen our ability to provide low-cost, reliable electricity to Nebraskans now and in the future.

What is a RICE?

- A Reciprocating Internal Combustion Engine converts heat energy by utilizing pistons that move back and forth in a cylinder. These engines have quick-start up capabilities, can run on a variety of fuel types and are economically efficient. They excel at responding to the grid's need for flexible, quick power and can be used as both baseload and peaking power generation units.

What is a CT?

- A Combustion Turbine is an internal combustion engine. CTs operate by drawing air in and compressing it; then the compressed air is heated to high temperatures creating gas; and the hot expanding gas flows through the turbines to rotate the blades and create energy. CTs are known for their high-power capacity and efficiency and are flexible depending on the amount of generation needed.

What road(s) will construction crews utilize?

- During construction, contractors will utilize SW 42nd to access the site. Once the facility has been constructed, SW 42nd street will still be used by employees to enter PRS.

How will the construction of new generation impact rates?

- NPPD will fund Princeton Road Station through long-term bonds, with repayment costs included in electric rates over time to minimize impact. The new generation supports growing energy demand, and added load will help offset costs through increased revenue.
- NPPD aims to keep rates low. We currently rank in the best 6.5% nationally for retail rates and 10.8% for wholesale rates, based on benchmarking from the U.S. Energy Information Administration and Cooperative Finance Corporation, respectively.



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Air

- NPPD has obtained a construction permit and within one year of PRS commencing operation NPPD will submit an application for an Operating Permit to be issued by Lincoln-Lancaster County Health Department.
- Emissions out of the stack will meet all EPA ambient air standards (air that we breathe) verified by an assessment called air dispersion modeling.
- This permit requires that NPPD install the best state-of-the-art technologies to control emissions.

Groundwater

- Water is needed at PRS for plant operations, cooling, and potable use. Because water is a limited resource, NPPD is seeking to utilize technology to limit water use at the plant.
- NPPD is working closely with the State of Nebraska and local NRD for the wells that will be needed for Princeton Road Station.
- The permit to drill the wells will be issued by the local NRD, Lower Platte South Natural Resources District, and upon completion the wells will be registered with the State of Nebraska.

OUR MISSION — Safely generate and deliver reliable, low cost, sustainable energy and related services, while providing outstanding customer service.

OUR VISION — We are a premier energy provider bringing the best of public power to Nebraskans, powering everyday life and a brighter future.



nppd.com (877) ASK-NPPD

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