



Nebraska Public Power District
Always there when you need us



PLANNED GENERATION KEY FACTS

For more than five decades, Nebraska Public Power District has provided low-cost, reliable electricity to Nebraskans. Because of our success in keeping rates affordable and ensuring reliability is among the best in the nation, our state has become an attractive place to plant roots – not just for individuals, but for businesses, too.

Right now, there are many companies, particularly those in the agriculture industry, that are interested in calling Nebraska home. This presents great opportunities for rural communities to grow and prosper through enhanced job markets, capital investment, and additional revenue.

We are committed to supporting any coming expansion and have already begun preparing to meet the future energy needs of existing and incoming customers by pursuing cost-effective, responsive solutions that will add new generation capacity to our diverse generation mix.

The planned new generation will complement our existing fleet and strengthen our ability to be the affordable, reliable, resilient provider Nebraskans have come to know and trust. As we look toward the Nebraska of tomorrow, we are excited to partner with every customer, from the smallest of families to the largest of businesses, to make their aspirations a reality.

PROJECT INFORMATION

PROJECT	ESTIMATED MW	LOCATION	ESTIMATED TOTAL COST	TARGET IN SERVICE
Reciprocating Internal Combustion Engines (RICE)	216 MW	Princeton Road Station <i>North of Sheldon Station</i>	\$789 Million	June 2029
Combustion Turbines (CT)	478 MW	Princeton Road Station <i>North of Sheldon Station</i>	\$720 Million	June 2029
Combustion Turbines (CT)	717 MW	Beatrice Power Station	\$1,052 Million	To Be Determined
Cooper Nuclear Station (CNS) License Extension	835 MW	CNS	\$115 Million	January 2034

RISKS, CHALLENGES AND SUPPORTING WORK

- Southwest Power Pool (SPP) generator interconnect process
- Changes in SPP resource adequacy requirements
- Negotiation of vendor contracts
- Supply chain impacts on ordering required equipment
- Changes in load growth forecasts
- Economic changes and financing options
- Environmental permitting
- Nebraska Power Review Board approval
- Contract labor availability and quality
- Fuel supply
- Political administration changes
- Nuclear Regulatory Commission approval for subsequent license extension at Cooper Nuclear Station

PLANNED GENERATION FAQ

Why is NPPD building new generation?

- As we prepare for customers' future energy needs, NPPD closely watches potential load growth. We are anticipating a period of unprecedented load growth in the next five to 10 years, which has prompted our internal subject matter experts to evaluate new generation capacity additions.

Why is so much load growth suddenly on the horizon?

- Utilities across the nation are facing the potential for similar load growth influx right now. When we analyze historical data, large growth such as this tends to occur in waves.
- New and growing businesses are being particularly drawn to Nebraska right now in part because of the affordable, reliable power we are so proud to generate and deliver. Additionally, the organizations highly interested in our state tend to be in sectors directly related to or that complement Nebraska's largest industry – agriculture.

What types of business interest are you seeing?

- Our Economic Development team works hand-in-hand with many businesses discerning where they'd like to plant roots that resonate with Nebraska's overall culture and values. Much of the interest we are seeing right now comes from ag-related operations and data centers.
- The introduction of new businesses to rural Nebraska presents some great opportunities the communities served by NPPD and its wholesale partners. Not only will incoming companies create good-paying jobs, but they will also add significant capital investment to the state that could potentially help with property tax relief.

How does NPPD ensure we can reliably serve our customers today and tomorrow?

- Reliability and resiliency have been pillars of public power for generations. In fact, NPPD consistently ranks among the best in the nation in metrics associated with the two. Adding generation capacity resources that will complement our existing diverse generating fleet reaffirms our commitment to these priorities.
- When load growth necessitates additions to our generation portfolio, the choice of which resources to add is evaluated by assessing results of long-range models like our Integrated Resource Plan (IRP), as well as attributes of the possible choices. Different generation types are best suited to different needs and to maintaining a diverse and competitive generation mix overall.

Can NPPD pick and choose the load served?

- Public power was created with an obligation to serve. What this means is as long as we have the capacity to serve, we do so fairly, regardless of the type of business or load.

What are the benefits of these new generation resources?

- Combustion turbines reliably serve our load when it's at or near peak levels and provide resilience with quick-start ability.
- RICE units are extremely fast-starting, as well as flexible, very efficient resources for balancing out variable or intermittent resources like wind/solar and for responding to changing resource mix within the Southwest Power Pool (SPP).
- Additionally, pursuing a license extension at Cooper Nuclear Station ensures NPPD's largest source of carbon-free energy will continue to reliably serve our customers for decades to come.
- These planned additions maintain and enhance diversity and complement NPPD's overall fleet – an approach that allows us to best serve our customers.

How did NPPD choose these specific types of generation?

- When adding any generation resources, NPPD carefully compares their cost, risk, environmental attributes, operating flexibility, and accredited capacity.
- As these factors are weighed, our experts strive to account for current and projected needs without sacrificing the reliability, resiliency, affordability, and sustainability our customers expect.

Why not just add renewable energy resources or more nuclear?

- One of our strategic priorities is to mitigate our carbon business risk over the coming decades. Because of this, some might ask, "Why not just bring additional renewables on-line?" While renewables play an important role in a diverse energy mix, the relatively short timelines associated with this potential load growth, the amount of capacity needed, and the still-evolving capabilities of carbon-free technologies necessitated an all-options exploration to optimize opportunities.
- Nuclear resources, such as small modular reactors, offer a great deal of potential for the future. Realistically, however, these are not yet a viable and economical generation option in the timeframe required to serve recent load growth, as they are in initial stages of development, research and licensing.

How might this affect NPPD's carbon business risk mitigation goals?

- Our carbon business risk mitigation goals have not changed, but as the board specified, they must be approached strategically in balance with reliability and affordability. A diverse generation mix in the present sets a strong foundation as we look ahead and work to lower emissions in the future.

How will the addition of new generation affect future rates?

- Affordability is and has always been a high priority to NPPD's leadership, as evidenced by our rates continually ranking among the lowest in the nation.
- That said, due to the sheer number of factors at play, there are no definitive figures on how the addition of new generation will affect rates down the road.
- Our team is hard at work examining and calculating numerous potential outcomes, keeping its focus on the options and choices we can make that will minimize the rate impact to customers. We will continue to be flexible and pivot plans should projected load drastically reduce.



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.



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