NEW GENERATION & TRANSMISSION UPDATE

} 04.15.25 **}**



April 15, 2025







AGENDA

- Bringing New Stations Online
- Renewables and Storage
- Major Projects
- North Omaha Station Transition Project



BRINGING NEWSTATIONS ONLINE





> Standing Bear Lake Station

- 150MW Reciprocating Internal Combustion Engines (RICE)
- Commissioning & Performance Testing
- Next Milestone:
 - Engine Demonstration
 - Performance & Emission Testing



>> Turtle Creek Station

- 450MW Simple Cycle Combustion Turbine (CT)
- Commissioning & Performance Testing
- Next Milestone:
 - Fuel Oil Firing
 - Performance & Emission Testing



RENEWABLES AND STORAGE



PIERCE COUNTY ENERGY CENTER

Project Overview & Status

Nameplate: 420 MW Solar / 170 MW Storage

Location: Pierce County, Nebraska

Developer: NextEra

Estimated COD: 2027

Unique Partnership between Google and OPPD

Contingent items include:

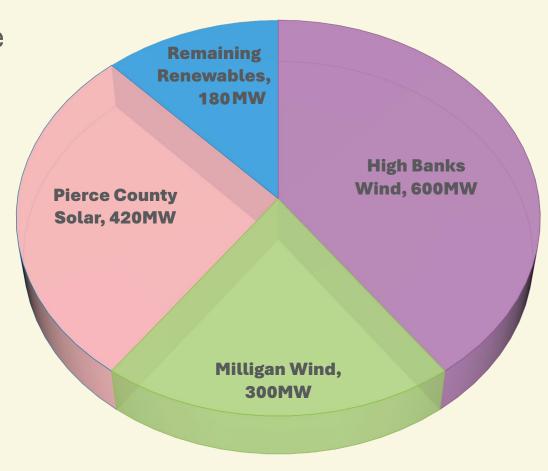
- Generation Interconnection Agreement
- Firm Network Transmission Service Study

Construction began Q4 2024

Initial focus: County road construction, grading

and other civil site work

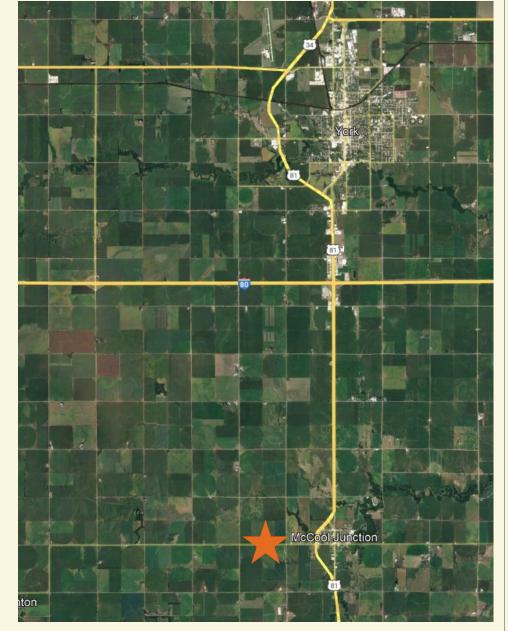
OPPD RENEWABLE SOURCING



K-JUNCTION SOLAR

Project Overview & Status

- Generation Interconnection Agreement between OPPD, NPPD, and SPP effective August 2023
- OPPD support for York County to develop reasonable regulations.
- Timeline:
 - July 2024: County commissioners sent regulations to the Planning & Zoning Committee to re-develop
 - Q3-4 2024: County-hired consultant developed comprehensive plan and advice for solar regulations
 - Feb. 2025: Planning & Zoning Committee voted to send original regulations back to the County Commissioners with no changes
 - **April 1: 2025:** County Commissioners passed restrictive regulations
- Project Team evaluating contingencies and next steps







* MAJOR PROJECTS

2025

Q1

PROGRESS: NEW GEN 2025

New Gen Projects

- EPC contract in place
- Kiewit kick-off
- Kiewit-Siemens alignment
- Construction begins:
 - Vegetation clearing
 - Grading
 - West entry road

KEY WINS

- Integrated lessons learned from Power with Purpose
- Successful public outreach, focused on big picture of Cass County work
- NDEE officially showing "technical completeness" of air permit application for both sites



landowners

Kiewit kick-off focused on such topics as safety, early schedule. org alignment and more

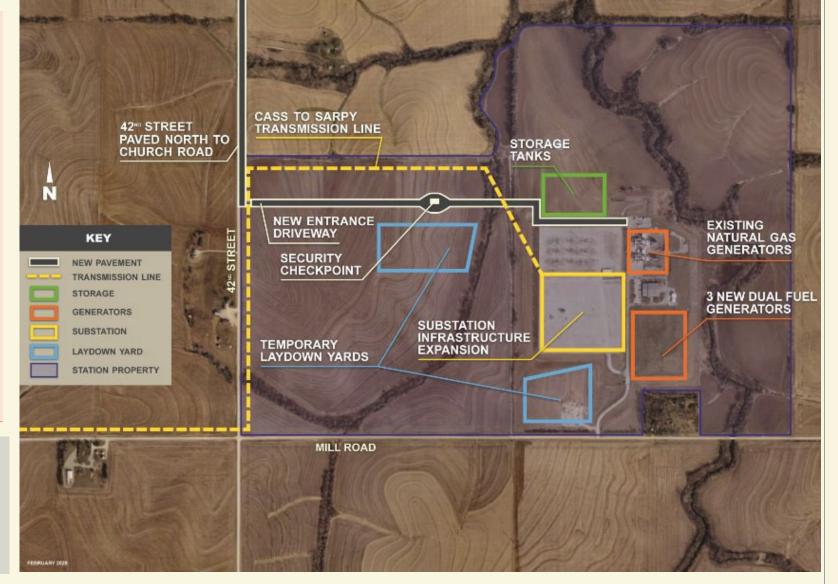
February Cass County meetings included public officials and

Cass County Station

- New entry road in place
- Grading complete
- Construction of lay down yards for materials, construction trailers
- Construction begins for fuel oil storage tanks

Turtle Creek Station

 TCS expected to transition from COD to expansion work



GENERATION PROGRAM HEALTH







2025

PROGRESS: NEW TRANSMISSION

Cass-to-Sarpy T-Line

 Landowner agreements largely completed

Q1

North Douglas County T-Line

- Focused on schedule acceleration
- One-on-one landowner conversations
- Easement acquisitions

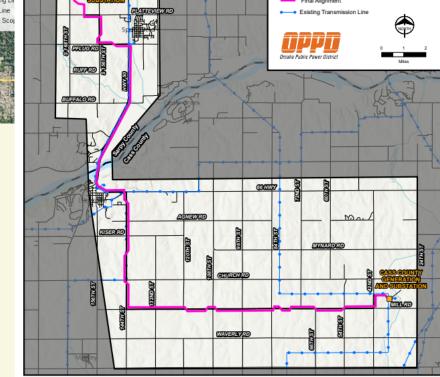
Segment 1 Segment 2 Segment 3 Segment 3

North Douglas
County
Transmission
Line

Cass-to-Sarpy
Transmission
Line

KEY WINS

- C-to-S: Secured early manufacturing slots for two long-lead transmission towers
- C-to-S: Agreements in place with all but one landowner
- NDCTP: Compressed engineering schedules to support further acceleration



Cass-to-Sarpy Transmission Project

90-DAY OUTLOOK

Cass-to-Sarpy T-Line

- Vegetation clearing begins
- Finalize detailed construction and outage sequencing
- RFP Issue for Bid: May 2025

North Douglas County T-Line

- Landowner conversations continue
- Public hearings planned for May and July
- RFP Issue for Bid: June 2025

Q2

DELIVERY PROGRAM HEALTH

Schedule



All projects are on track or ahead of schedule but challenged due to material lead times.

Budget



Projects are over budget primarily due to increases in steel and construction costs.

2025



DELIVERY PORTFOLIO



600%

Increase in OPPD new substation projects in the next 7 years

14

new substations

400%

Increase in OPPD transmission line mileage in the next 10 years

270

miles of new transmission

221%

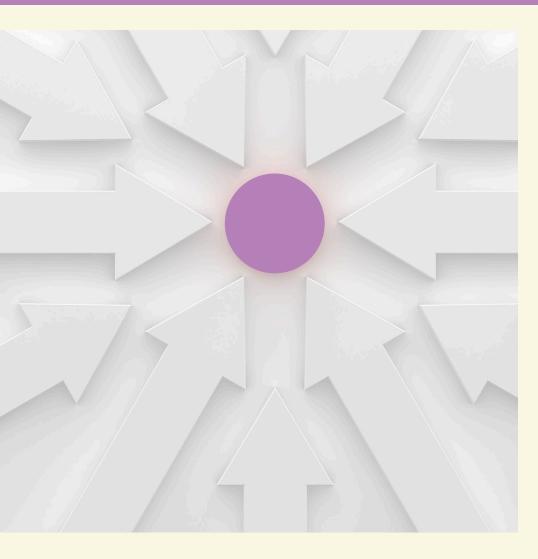
Increase in OPPD existing substation expansion projects in the next 7 years

31 substation expansions

Active delivery projects represent a \$1.4 billion investment in OPPD infrastructure



EMERGING RISKS AND FOCUS AREAS



TARIFFS:

- Watching for increased prices on imports
- Increased domestic demand could cause inflationary pressure and delays

SOURCING:

 Significant resource constraints for labor, materials for transmission and substation work due to utility buildouts nationwide

WORK MANAGEMENT:

- Continued focus on finding efficiencies with strategic partnership
- Identifying process improvements within OPPD to streamline activities



» NORTH OMAHA STATION TRANSITION



UNIT 5 BURNERS DELIVERED TO NORTH OMAHA STATION





NORTH OMAHA STATION TRANSITION

Upcoming major milestones for Units 4 and 5 gas conversion

- Q2/Q3 2025: Unit 5 gas burner installation RFP issuance and award
- Q4 2026: Expected start of fuel conversion outage on track pending completion of Resolution 6518 (NOS Extension) prerequisites and regulatory approvals
- Q2 2027: Unit 4 and 5 conversion projects completed in time for summer operation on natural gas



* QUESTIONS?