



Reporting Item

BOARD OF DIRECTORS

January 18, 2022

ITEM

Power with Purpose Turtle Creek Station & Standing Bear Lake Station Generation and Energy Delivery Report

PURPOSE

Provide updates on Power with Purpose projects for January 2022.

FUEL SUPPLY FACTS

1. Natural gas supply infrastructure design and planning is underway by Northern Natural Gas (NNG) for the Turtle Creek Station.
2. Natural gas infrastructure and supply agreements coordinated with a land lease have been executed with Metropolitan Utilities District (MUD) for Standing Bear Lake Station, and MUD has initiated design and planning for gas supply infrastructure.

TURTLE CREEK & STANDING BEAR LAKE FACTS

1. Engineering and procurement activities are in progress and construction activities are being planned by Zachry Group, as the Engineer, Procure, and Construct (EPC) vendor for both the Turtle Creek and Standing Bear Lake Stations' generation facilities and substation infrastructure.
2. Preliminary grading continues at both Turtle Creek Station and Standing Bear Lake Station. Associated technical assessments of both project sites continue in parallel with the grading.

ENERGY DELIVERY FACTS

1. Easement negotiations for the Sarpy Southwest Transmission Project (SSWTP) are in progress with approximately half of the landowners receiving offers by the end of December.
2. Material contracts for the SSWTP and associated network upgrades have been awarded and detailed fabrication and delivery schedules are being finalized with suppliers. The transmission construction Request for Proposal (RFP) has been issued with an anticipated award in late January.

RECOMMENDED:

DocuSigned by:

Troy R. Via

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Troy R. Via

Chief Operating Officer & Vice President
Utility Operations

APPROVED FOR REPORTING TO BOARD:

DocuSigned by:

L. Javier Fernandez

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President and Chief Executive Officer

TRV:maw

Information as of January 3, 2022



Power with Purpose Update January Open Committee Meeting

January 18, 2022



Updates

- Turtle Creek Station & Standing Bear Lake Station Projects & Fuel Supply

Generation Project & Fuel Supply Update

- Zachry Group Engineer, Procure, Construct Vendor
 - Design and procurement phases in progress
 - Planning underway for construction phase
 - Site geotechnical work to support foundation design
- Wartsila Reciprocating Internal Combustion Engines (SBLS)
 - Manufacturing and factory acceptance testing are complete
- Preliminary grading continues into Q1 2022 at both Turtle Creek Station (TCS) and Standing Bear Lake Station (SBLS)
- Natural gas supply infrastructure design and planning underway with Northern Natural Gas for TCS and with Metropolitan Utilities District for SBLS
- Community engagement
 - Plan to meet with City of Papillion in January for project update (TCS)

| Project Schedule | Milestone (Past/Future) |
|--------------------------------|-------------------------|
| TCS Preliminary Grading | Aug. 2021 – Q1 2022 |
| SBLS Preliminary Grading | Sept. 2021 – Q1 2022 |
| EPC Contractor Award | September 22, 2021 ✓ |
| EPC Kickoff Meeting | November 2, 2021 ✓ |
| SBLS & TCS Construction Starts | Quarter 1, 2022 |
| SBLS Commercial Operation | May 1, 2023 |
| TCS Commercial Operation | August 18, 2023 |

Information as of January 6, 2022

Major Equipment



Siemens Energy (TCS) – combustion turbine inlet



Wartsila/ABB (SBLs) - generator

Standing Bear Lake Station Preliminary Grading



As of October 29, 2021

Turtle Creek Station Preliminary Grading



As of November 24, 2021