Power with Purpose Update
Committee Meeting

December 13, 2022
Power with Purpose Update

Agenda

• Standing Bear Lake Station & Turtle Creek Station
• Solar
• Safety
Standing Bear Lake Station
2022 in Review
Power with Purpose Update
Standing Bear Lake Station – 2022 in review

Facing South – May 2022

Facing South – November 2022

Information as of December 1, 2022
Power with Purpose Update
Standing Bear Lake Station – 2022 in review

Information as of December 1, 2022

Wartsila 18V50DF Engine

Loading Trailer – September 2022

Wartsila Engine Heavy Haul Move – September 2022

Loaded Dimensions
Length – 247’-8”
Width – 14’-0”
Height – 18’-7”
Weight – 795,000 lbs.
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Standing Bear Lake Station – 2022 in review

Wartsila Tent – Engine Assembly

Auxiliary Cooling & Waste Disposal Lines for Engine Hall 1

Manhole Penetrations

Duct Bank and Rebar for Road Crossing
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SBLS Construction Statistics – 2022 in review

Site Completion: 39.7%
Operational Readiness Date: January 2024

Delivered to Site: 141 loads of Wartsila equipment material
Installed (as of 11.27.2022)
• Underground conduit: 44,754 linear feet (42.3%)
• Duct bank concrete: 1,263 cubic yards (17.8%)
• Foundation concrete: 2,092 cubic yards (31.0%)

Zachry Site Head Count

Site Head Count*: 174 people

*As of 11.20.2022

Zachry Work Hours

Project work hours*: 221,996 (YTD)

OPPD Hours

Project work hours: 17,876 (YTD)
Turtle Creek Station
2022 in Review
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Turtle Creek Station – 2022 in review

Information as of December 1, 2022

Facing South – May 2022

Facing South – November 2022
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Turtle Creek Station – 2022 in review

Generator Heavy Haul – October 2022

Gas Turbine Heavy Haul – November 2022

Siemens Energy Generator/Gas Turbine at TCS – November 2022

Information as of December 1, 2022
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Turtle Creek Station – 2022 in review

Facing SE - Unit 2 Gas Turbine Foundation Prep

Facing North – Volume of Materials

Facing East – Unit 1 with Admin Building

Unit #1 Generator/Gas Turbine at TCS site
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Turtle Creek Station Construction Statistics – 2022 in review

Site Completion: 40.3%
Operational Readiness Date: January 2024

Delivered to Site: 161 loads
- 115 loads of gas turbine material
- 37 loads of stack material

Installed
- Underground conduit: 54,348 linear feet (31.1%)
- Duct bank concrete: 14,030 cubic yards (18.8%)
- Foundation concrete: 2,206 cubic yards (24.7%)

Site Head Count*: 192 people

Project work hours*: 258,445 (YTD)

OppD Hours

*As of 11.20.2022
Power with Purpose Open Session
December 2022 Solar Update

December 13, 2022
• Ongoing Activities
  – Removal of pivots in progress
  – The following major equipment has been ordered: modules, racking, trackers, inverters, medium voltage transformers, main power transformer
  – Electrical, Civil and Structural 60% Design Packages in review
  – OPPD substation work commenced (foundation duct, fence, and grounding)
  – Ongoing coordination for economic development and community updates

Construction work for interconnection at OPPD’s substation
Federal Policy Updates: Inflation Reduction Act (IRA)

- US Department of Treasury announced additional guidance on provisions on prevailing wage and apprenticeship requirements in late November.

- OPPD staff are reviewing the details and will incorporate into solar plans accordingly.

- Remaining guidance on IRA is anticipated in coming weeks.
  - Details will help inform OPPD’s solar deployment strategies.

As of December 2, 2022
Federal Policy Updates: Anti-Circumvention

- March 2022 – Investigation began based on Auxin Solar, Inc. request
- June 2022 – President Biden provided two year exemption of any new tariffs
- December 2022 – US Department of Commerce issues initial ruling
  - 7 Chinese and 1 South Korean companies responded, 20 other companies were non-responsive
  - 3 Chinese companies and 1 South Korean company found compliant with US tariff
    - Hanwha Q Cells, South Korean Company
    - Jinko Solar
    - New East Solar
    - Boviet Solar Technology
  - Of the responding companies, 4 (listed below) and the 20 non-responding companies found to have circumvented the US tariff
    - BYD (H.D) Co.
    - Canadian Solar International Ltd.
    - Trina Solar Science & Technology Ltd.
    - Vina Solar Technology Co. an unit of LONGi Solar
  - Tariff rate to be applied to companies found to have circumvented the US Tariff
    - BYD: 27% tariff rate
    - Canadian Solar: 16% tariff rate
    - Trina Solar: 254% tariff rate (failed to demonstrate their independence from Chinese Communist Party)
    - Vina Solar: 254% tariff rate (failed to demonstrate their independence from Chinese Communist Party)
- May 2023 – final results will be issued after completing on-site audits

Understanding the impacts to PwP Solar:
- Staff are continuing to review details on the ruling, including a comparison of the companies against OPPD’s current approved manufacturer list
- Discussions with developers for potential impact to projects in development, including timing and pricing
- Panels for the Platteview Solar project are not included in the investigation

Understanding as of December 2, 2022
Deployment Progress

• Actively monitoring Southwest Power Pool’s generation interconnection study process

• Project developers have provided updated pricing and projected commercial operation updates to reflect changes from increased interest rates, equipment availability, SPP generation interconnection study milestones, and further Inflation Reduction Act details
  – OPPD staff are analyzing financial, technical, and commercial details of these projects

• OPPD staff continue to evaluate the potential for owned solar projects based on the Inflation Reduction Act (IRA)

• Ongoing education and advocacy across OPPD’s service territory
  – This month, the Cass County Planning Commission is set to vote on comprehensive amendments, including allowance of solar in the Transitional Agriculture district
  – The Platteview Solar project team has regular meetings with Saunders County leaders to provide project updates and create awareness around economic development activities in the county resulting from the construction of Platteview Solar

As of December 2, 2022
SAFETY UPDATE

Power With Purpose:
Standing Bear Lake Station & Turtle Creek Station Safety

December 13, 2022