



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

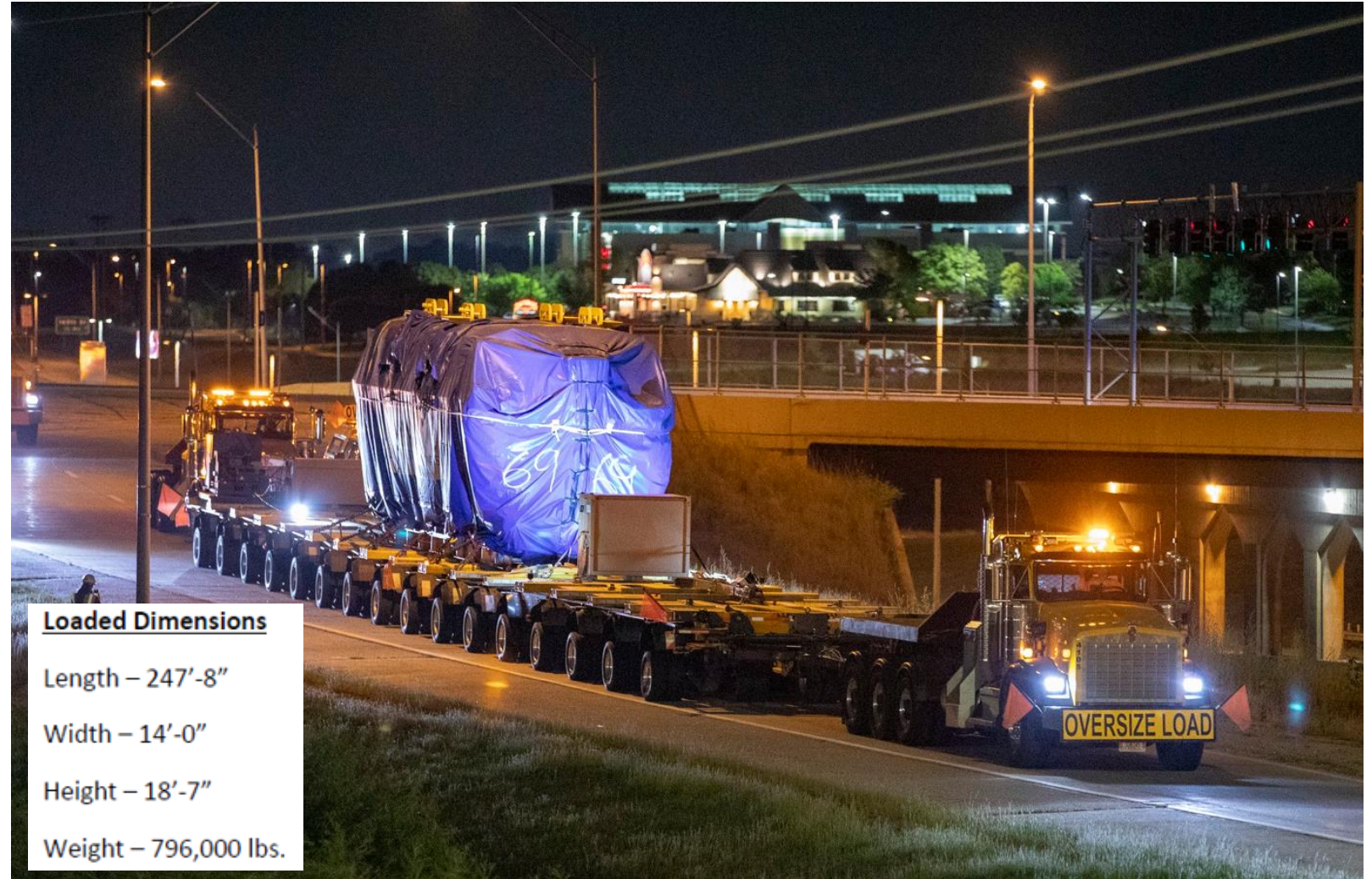
Standing Bear Lake Station – 2022 in review



Loading Trailer – September 2022



Wartsila 18V50DF Engine



Loaded Dimensions

Length – 247'-8"

Width – 14'-0"

Height – 18'-7"

Weight – 796,000 lbs.

Wartsila Engine Heavy Haul Move – September 2022

Information as of December 1, 2022

Power with Purpose Update

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

Power with Purpose Update

SBLS Construction Statistics – 2022 in review

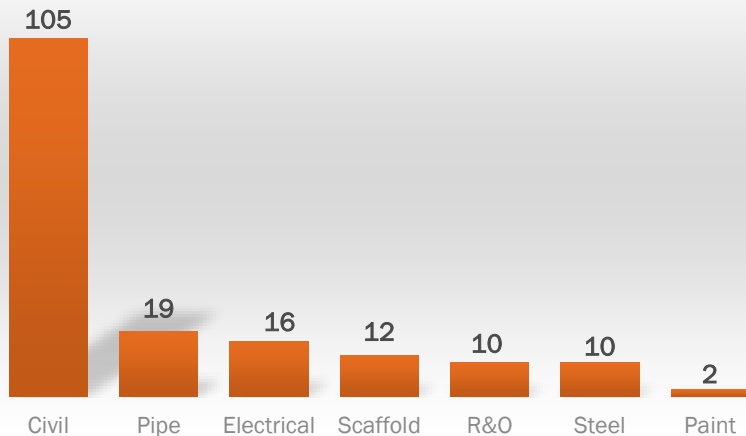
Site Completion: 39.7%

Operational Readiness Date: January 2024

Delivered to Site: 141 loads of Wartsila equipment material
Installed (as of 11.27.2022)

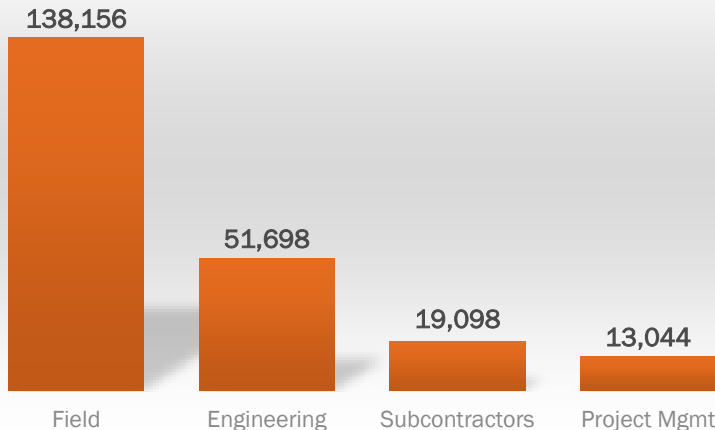
- Underground conduit: 44,754 linear feet (42.3%)
- Duct bank concrete: 1,263 cubic yards (17.8%)
- Foundation concrete: 2,092 cubic yards (31.0%)

Zachry Site Head Count



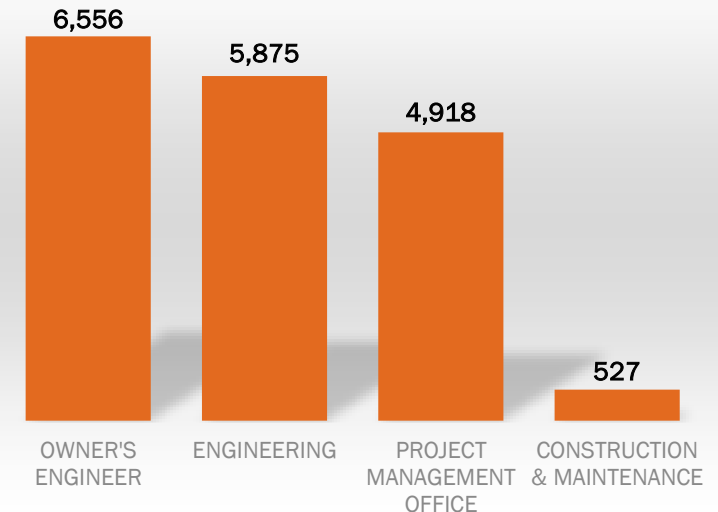
Site Head Count*: 174 people

Zachry Work Hours



Project work hours*: 221,996 (YTD)

OPPD Hours



Project work hours: 17,876 (YTD)

Turtle Creek Station 2022 in Review



Power with Purpose Update

Turtle Creek Station – 2022 in review



Facing South – May 2022



Facing South – November 2022

Information as of December 1, 2022

Power with Purpose Update

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

Power with Purpose Update

Turtle Creek Station – 2022 in review

Facing SE - Unit 2 Gas Turbine Foundation Prep



Facing North – Volume of Materials



Unit #1 Generator/Gas Turbine at TCS site



Facing East – Unit 1 with Admin Building

Power with Purpose Update

Turtle Creek Station Construction Statistics – 2022 in review

Site Completion: 40.3%

Operational Readiness Date: January 2024

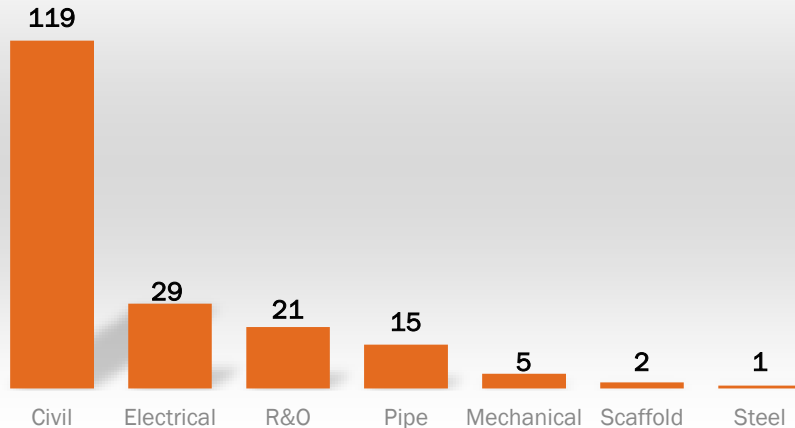
Delivered to Site: 161 loads

- 115 loads of gas turbine material
- 37 loads of stack material

Installed

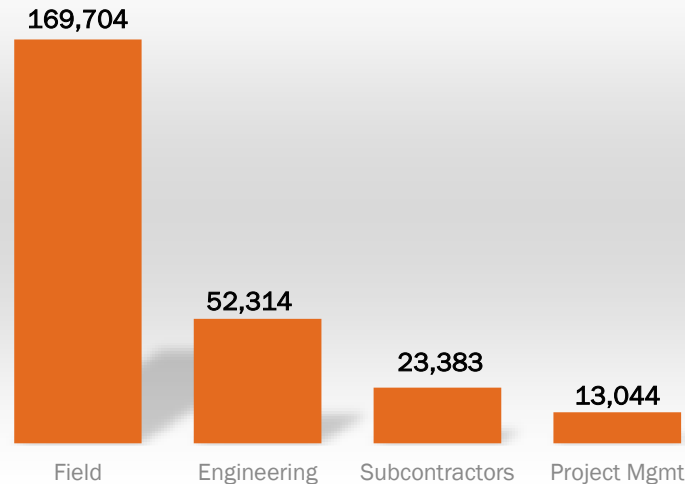
- Underground conduit: 54,348 linear feet (31.1%)
- Duct bank concrete: 14,030 cubic yards (18.8%)
- Foundation concrete: 2,206 cubic yards (24.7%)

Zachry Site Head Count



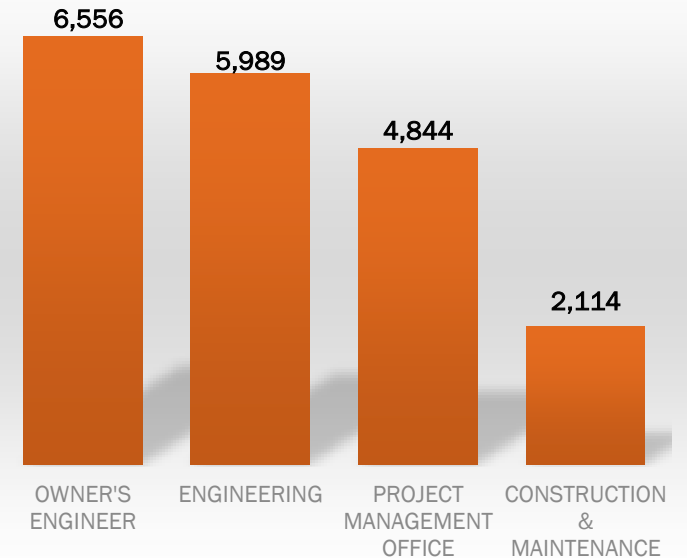
Site Head Count*: 192 people

Zachry Work Hours



Project work hours*: 258,445 (YTD)

OPPD Hours



Project work hours: 19,503 (YTD)



Power with Purpose Open Session December 2022 Solar Update

December 13, 2022



Platteview Solar

December Project Status Update

- 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

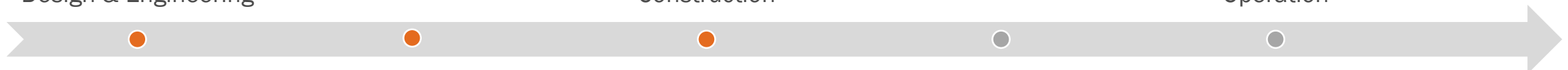


Construction work for interconnection at OPPD's substation

Design & Engineering

Construction

Operation



Site Preparation

Commissioning

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-respondent
 - 3 Chinese companies and 1 South Korean company found compliant with US tariff
 - Hanwha Q Cells, South Korean Company
 - Jinko Solar
 - New East Solar
 - Bovie 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

