

# New Generation & Transmission Update

## Committee Meeting

June 18, 2024

# New Generation & Transmission Update

## Agenda

- Standing Bear Lake Station & Turtle Creek Station
- Solar
- Energy Storage
- New Generation Update & Next Steps

# Standing Bear Lake Station & Turtle Creek Station



# New Generation & Transmission Update

## Standing Bear Lake Station

- Site Progress: 94.5%
- Next Key Milestones:
  - Energize transformer(s) between Substation & Production Facility
  - MUD completion of gas yard
  - Balance of Plant training
- Construction:
  - 6-8 weeks
  - Focus: electrical work termination
- Commissioning:
  - Component and sub-systems
  - Fuel deliveries



Looking Northeast: Standing Bear Lake Station – April 29, 2024



# New Generation & Transmission Update

## Turtle Creek Station

- Site Progress: 88.9%
- Next Key Milestones:
  - Energize transformer between Substation & Production Facility
  - Balance of Plant training
- Construction:
  - 6-8 weeks
  - Development of wells #3 and #4
- Commissioning:
  - Component and sub-systems
  - Fuel deliveries



Looking Southwest: Turtle Creek Station – April 29, 2024

# Solar Update



# Platteview Solar

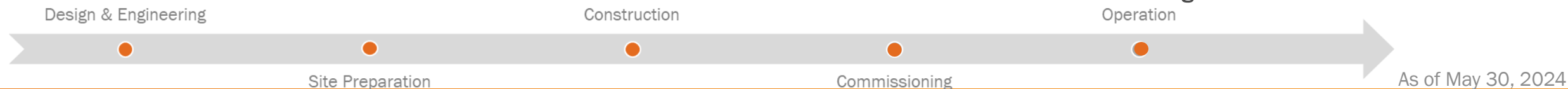
- Commercial Operation Date: May 1, 2024
- OPPD began market activities: May 2, 2024
- Ongoing Activities
  - Working through Facility Punchlist items
  - Construction Closeout
  - Planning for ribbon-cutting event
  - Project Closeout



*Platteview Solar – March 28, 2024*

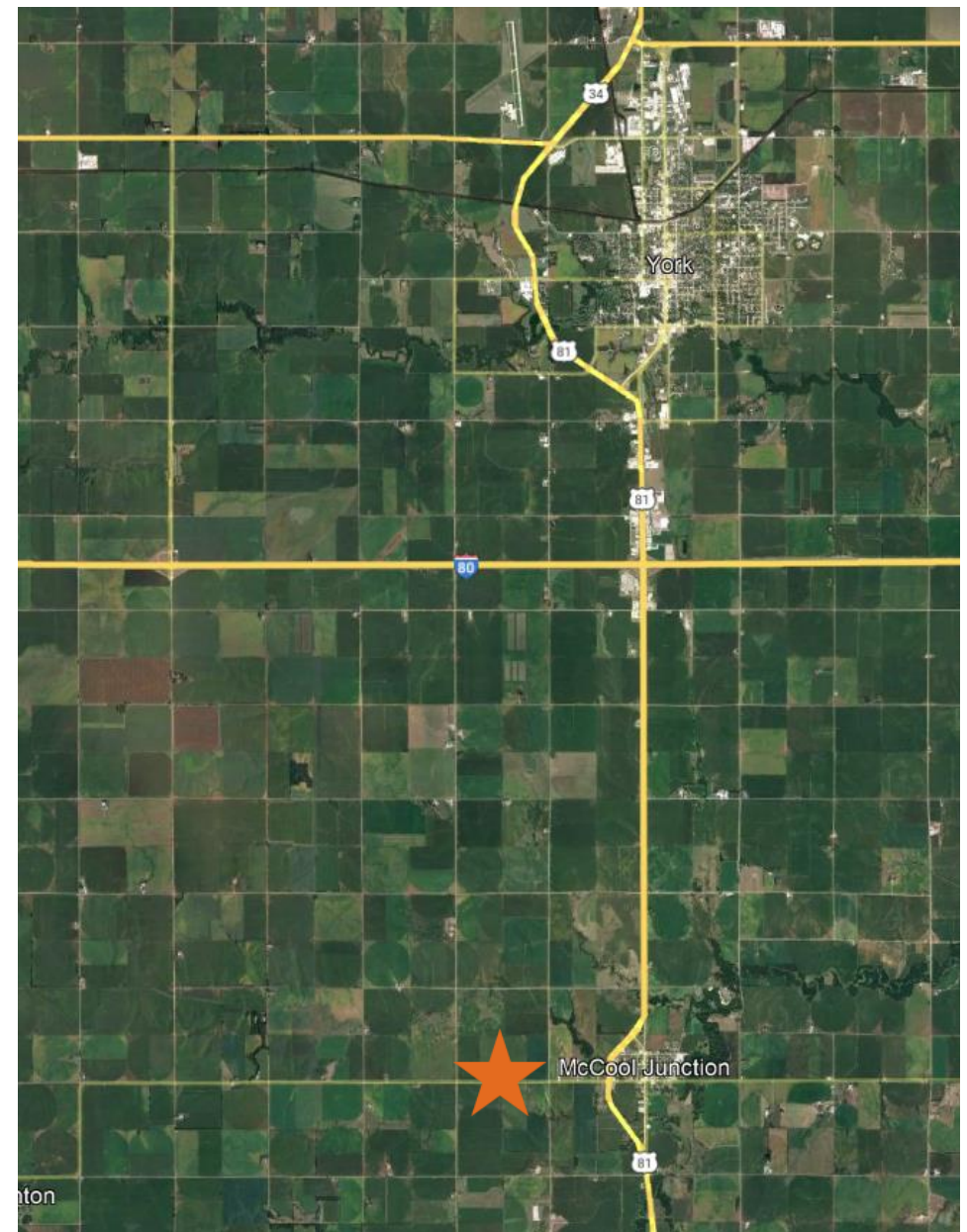


*Platteview Solar – Racking & Module Installation*  
Operation



# K Junction Solar

- Generation Interconnection Agreement between OPPD, NPPD, and SPP effective August 2023
- Project Team evaluating documentation and project schedule
- Continuing community engagement and communication
- Supporting York County and the Village of McCool Junction on the development of reasonable solar regulations
- Efforts ongoing with NPPD on the timeline of the associated transmission/facility upgrades



★ General solar facility location



# SOLUS (Solar on Landfills Utility Scale) Grant

- Grant through the Nebraska Environmental Trust
- Partnership with Douglas County
- Project Kickoff August 2023
- Year 1 Feasibility Study
- Project Decision Point: June 30, 2024



# Energy Storage Update

# Energy Storage Update

- Near Term Generation Resource Plan
  - Approximately 125 MW of energy storage at 4-hours equivalent
- Feasibility Study
  - Kickoff Q2 2024
  - Evaluate:
    - Location
    - Estimated site preparation
    - Layout of equipment
    - Interconnection considerations
    - Major equipment supply
    - Construction timelines
    - Budgetary estimates





# New Generation Update and Next Steps

# New Dual Fuel Combustion Turbine Update

- Capacity Selected: 900MW
- Four Siemens 225MW turbines under contract
- Site Selection:
  - Cass County Station (3 additional turbines)
  - Turtle Creek Station (1 additional turbine)
- Request for construction contractor qualifications under OPPD review
- Preliminary design and contract specifications under OPPD review
- Siemens operating plant service agreement (SCS 3, TCS 1-3, CCS 1-5)
  - Finalizing major contract terms



# Next Steps

Near term activities and timeline



RFP Contractor  
Solicitation  
July '24

Negotiate with  
EPC contractor  
Sept '24

Award EPC  
contract  
Q4 '24