President’s Report

February 16, 2023
January Baseload Generation

- Nebraska City Unit 1 – Capacity Factor: 68.1%
- Nebraska City Unit 2 – Capacity Factor: 72.9%
- North Omaha Unit 4 – Capacity Factor: 56.7%
- North Omaha Unit 5 – Capacity Factor: 52.4%
January Balancing Generation

- Cass County – Capacity Factor 0%
- Jones Street – Capacity Factor 1.1%
- North Omaha Unit 1 – Capacity Factor 0%
- North Omaha Unit 2 – Capacity Factor 0%
- North Omaha Unit 3 – Capacity Factor 0%
- Sarpy County – Capacity Factor 3%
January Renewables

• Renewable energy contributed 32.8% of OPPD’s retail energy sales
• Wind capacity factor of 43%
• Capacity Factor for Community Solar 9.2%
Energy Education Program Expansion

- Expanded to all Middle Schools and High Schools in OPPD’s Service Territory
- Teacher Workshop in November 2022 was open to ALL grade levels (in-person)
- 300 students are on deck for 2023 through 14 classes scheduled in February and March
- 2023’s first Teacher Workshop: March 28th

Primary Topics

- **Wind Energy**
  - Learn the math and physics behind wind energy
  - Replicate learnings

- **Solar Photovoltaic**
  - Learn how the process works with desktop solar panels
  - Test different variables

- **Energy Efficiency**
  - Explore the school building as a system
  - Mock energy audit

Learn the math and physics behind wind energy
Replicate learnings
Honor Our Community

16th Annual Run & Walk for Warmth

Registration is open!

When: March 4

Where: Aksarben Village and a virtual option; you choose when and where to participate

Cost: $40 – 5-mile, $35 – 5k, $30 – untimed run/walk

Register: HeatTheStreetsOmaha.com

100% of funds raised go to energy assistance programs!
Transmission Basics

- OPPD operates and maintains more than 1,300 miles of high voltage transmission lines within our 13 county service territory.
- Occasionally, Southwest Power Pool (SPP) finds it necessary for OPPD to build new or rebuild old transmission lines due to generation additions, load growth or reliability needs.
- High voltage transmission lines are dangerous. They are designed by engineers to industry codes and standards to keep them safely away from the general public.
- Permanent easements are procured under the line in order to protect the transmission lines and general public from planting a tree or building a structure that could cause a safety issue.
Transmission Reliability Project
108th & Blondo to 123rd & Pacific

• Scope
  – SPP and OPPD reliability Rebuild Project
  – Double Circuit 161kV rebuild from 108th & Blondo to 123rd & Pacific
  – ~3 miles in length
    • Re-establish 1950’s easement corridor
    • Clear trees from easement area
    • Rebuild to modern design using steel monopoles vs. existing lattice towers

• Key Dates
  – Outreach began: January 2023
  – Tree removal began: February 2023
  – Tree Removal Completion: April 2023
    • Some removal may extend beyond April 2023, with support from Migratory Bird experts
  – Line Rebuild Completion: March 2024
Tree Removal and Trimming

- ~7.5 acres of canopy area or ~500 trees needs removed
- Re-establish a clear transmission ROW to allow for a safe line rebuild and establish a baseline for Vegetation Management by Forestry.
- Any tree over 10’ in height within the easement is being removed.
- OPPD Land Management to work with the 116 homeowners on replacement shrubs and damages.
In Memoriam
Remembering those we lost

Christopher J. Merrill
Lineman
February 23, 1990