



President's Report

March 16, 2023



February Baseload Generation

- Nebraska City Unit 1 – Capacity Factor: 50.1%
- Nebraska City Unit 2 – Capacity Factor: 49.9%
- North Omaha Unit 4 – Capacity Factor: 39.3%
- North Omaha Unit 5 – Capacity Factor: 35.7%

February Balancing Generation

- Cass County – Capacity Factor 1.4%
- Jones Street – Capacity Factor 1.3%
- 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 2.8%

February Renewables

- Renewable energy contributed 39.3% of OPPD's retail energy sales
- Wind capacity factor of 52.4%
- Capacity Factor for Community Solar 19.3%

Ahead of schedule, under budget



- OPPD has converted 90,500 of a total of 100,000 streetlights with energy-efficient LED fixtures in the first 4 years of a 5 year streetlight replacement program.
- Efficiencies gained with the contractor led to achieving 90% of the goal one year early.
- Project spend for the first 4 years is **41% below** the projected cost. Lower fixture and installation costs and contractor efficiencies are the key cost drivers.

- LED streetlights last 20 years, as opposed to the 5-year life cycle of the high-pressure sodium fixtures that were replaced. The light emitted by LED streetlights provides the public improved visibility and safety.
- OPPD has experienced a **70% decrease** in first response streetlight outage calls, which means fewer outages, reduced maintenance, decreased employee exposure to traffic hazards, and decreased material waste and fuel use. Those factors, combined with the new fixtures' decreased energy use, save money and reduce carbon emissions by more than **17,000 tons annually**.
- Fixtures were replaced across the Omaha metro and in rural towns, villages and sanitation improvement districts.
- Several of the municipalities within the metro area are now using the savings from OPPD's LED conversion to perform conversions on the lights they own to further reduce lighting costs for taxpayers.

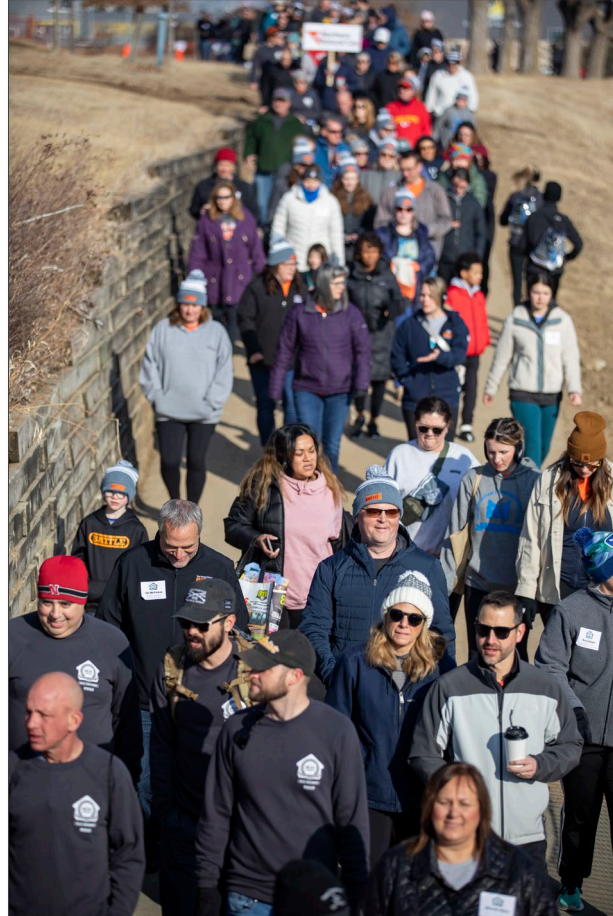


Honor Our Community

Connecting the Dots



Heat the Streets

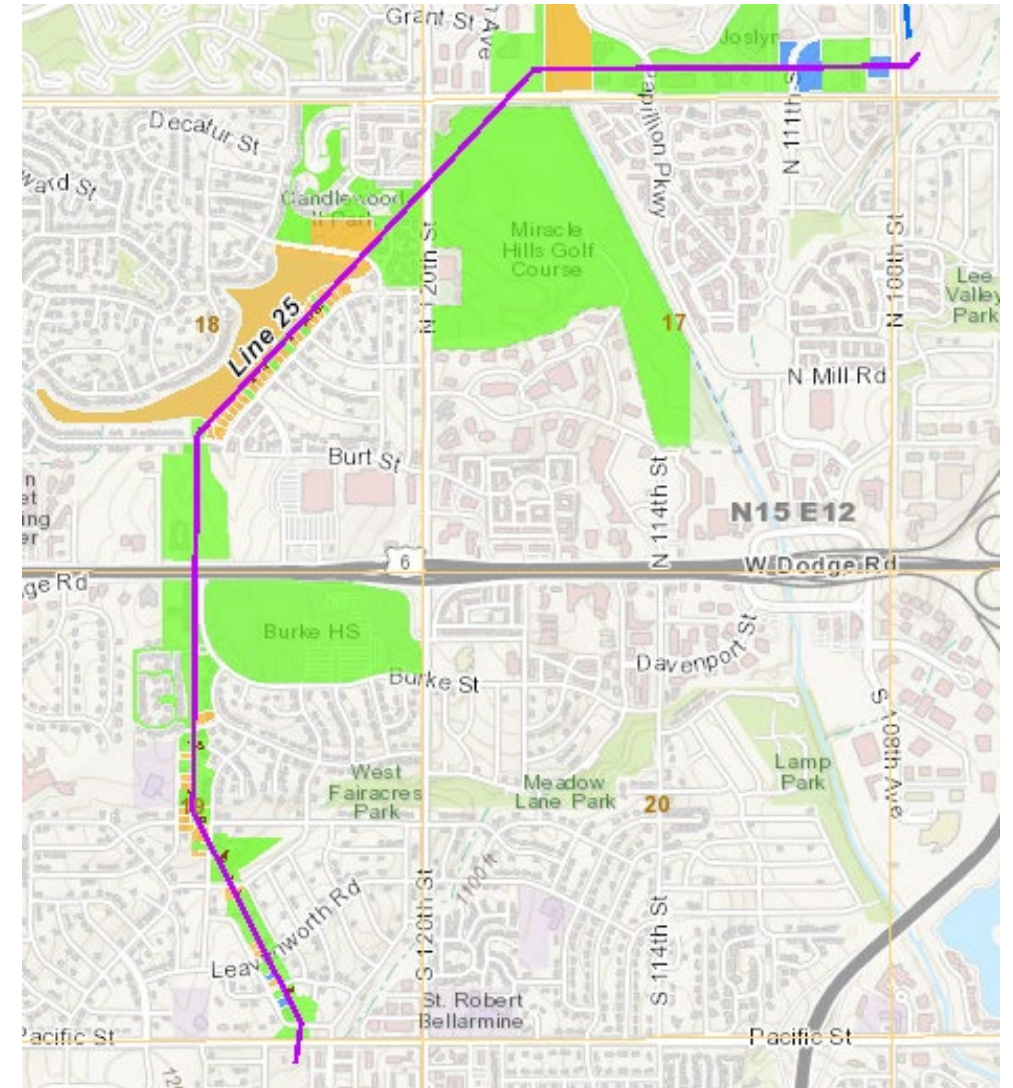


Marshmallow Challenge



Transmission Reliability Project 108th & Blondo to 123rd & Pacific

- Scope
 - 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
- Tree Clearing Status:
 - 131 total properties affected
 - 6 properties with no tree clearing needed (**blue**)
 - 86 properties complete (**green**)
- Property Damage Restoration from tree clearing underway
- Line Construction to begin Fall 2023
- Construction complete approx. March 2024
- Property Restoration from construction Spring 2024



Executive Summary

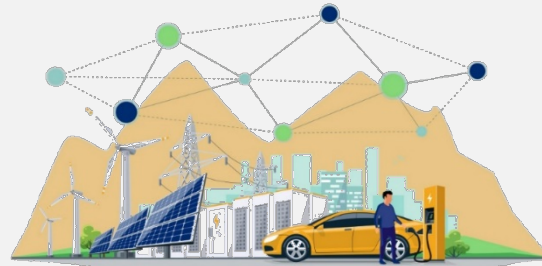
ELECTRIC SYSTEM EVALUATION AND MODERNIZATION STRATEGIC INITIATIVE (SI)

THE OBJECTIVE:

- Develop a cross functional, integrated vision and roadmap for the modern OPPD electric system and supporting technologies.

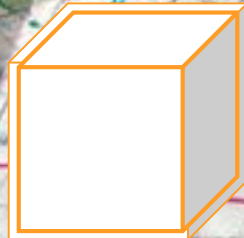
THE VISION:

- Resilient, Digital Grid & Integrated Service Platform



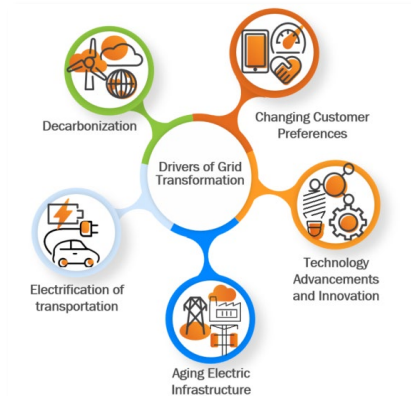
THE ROADMAP:

- AMI Readiness: upgrade/replace existing technology systems
- AMI “soft launch” 10k meters
- AMI full deployment
- Distribution Automation & Grid Monitoring
- Advanced AMI 2.0 functionality and service offerings



Our Journey

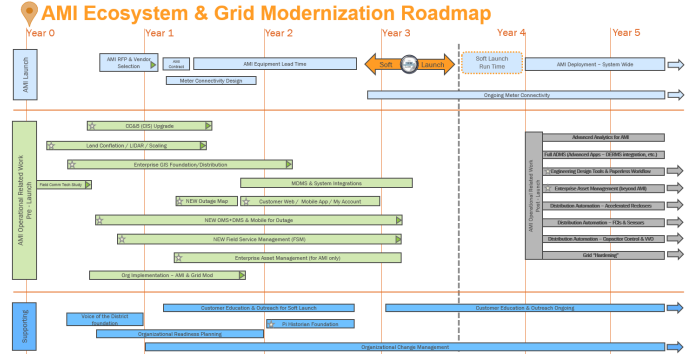
Scan the Environment



Modern Grid & AMI Ecosystem Visioning



Roadmap



Use Case & Requirements Development



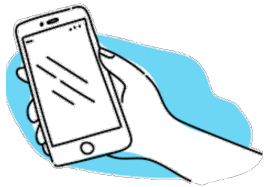
Technology Readiness Evaluation



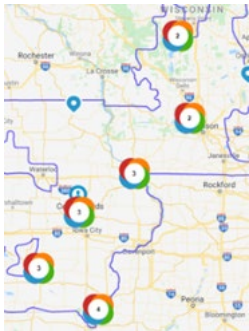
AMI Ecosystem & Grid Modernization Key Benefits by 2030



Automatic Customer Outage Detection



Outage Updates



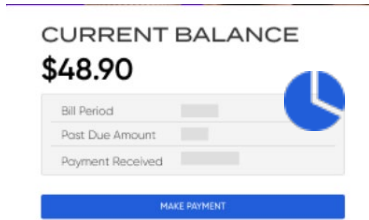
Modern Outage Map



Outage Restoration Efficiency



Reliability Improvement



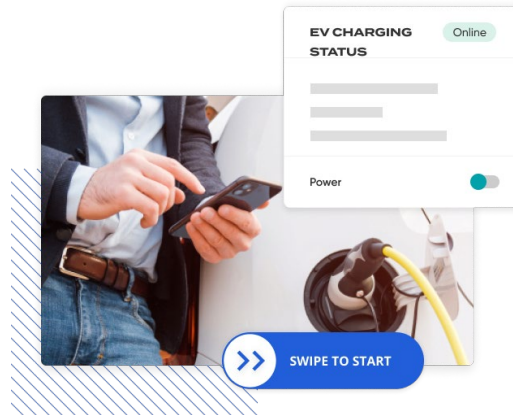
Usage & Billing Alerts



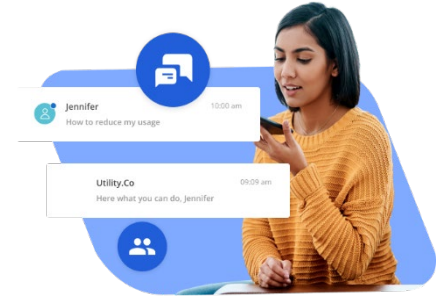
Enhanced Customer Information



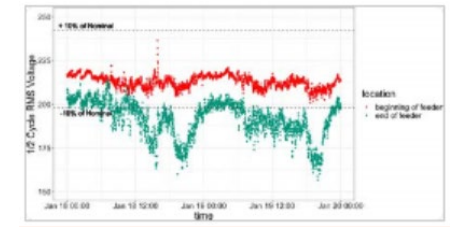
Optimized Customer Mobile Experience



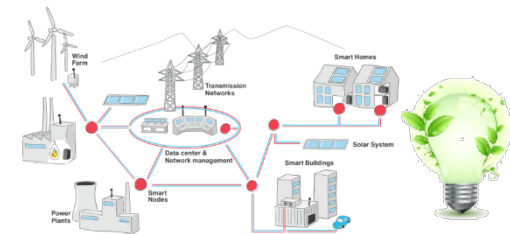
Future Product & Service Offerings



Customer Communication Preference Options



Built in Power Quality Monitoring



Energy Savings through System Optimization

In Memoriam

Remembering those we lost

Larry McGrew

Lineman

May 16, 1951

