



Review of Strategic Directive BP-SD-10 Electrification of the Economy

THE
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PEOPLE**



NPPD Board of Directors Meeting
Strategic Session
May 2026

Carsten Mlady, Sustainable Energy Manager



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BP-SD-10, Electrification of the Economy

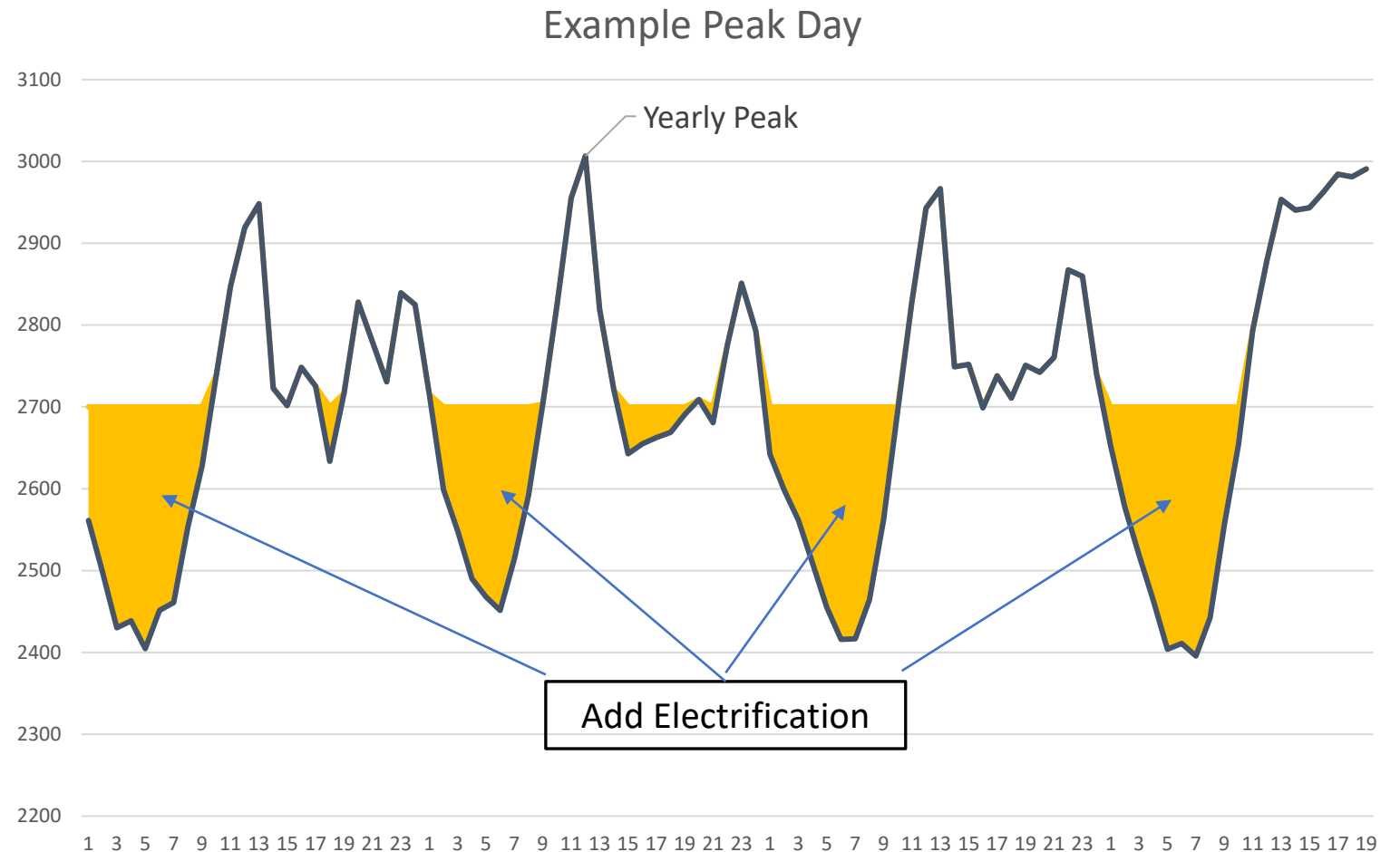
Nebraska Public Power District (NPPD) is committed to:

- Reduce the customers total energy cost
- Reduce greenhouse gas emissions
- Strategically add load that utilizes existing grid and generation
- Being a resource for technical information for our wholesale customers
- Provide a service that engages customers in a positive way
- Taking advantage of state and federal incentives, grants, and other opportunities

Transportation Electrification Goals

- **Overnight Charging Preferred**

- ✓ Adds Load off peak
- ✓ Keeps rates low
- ✓ Time of Use Rates (TOU) can be designed to promote the usage on these off-peak periods



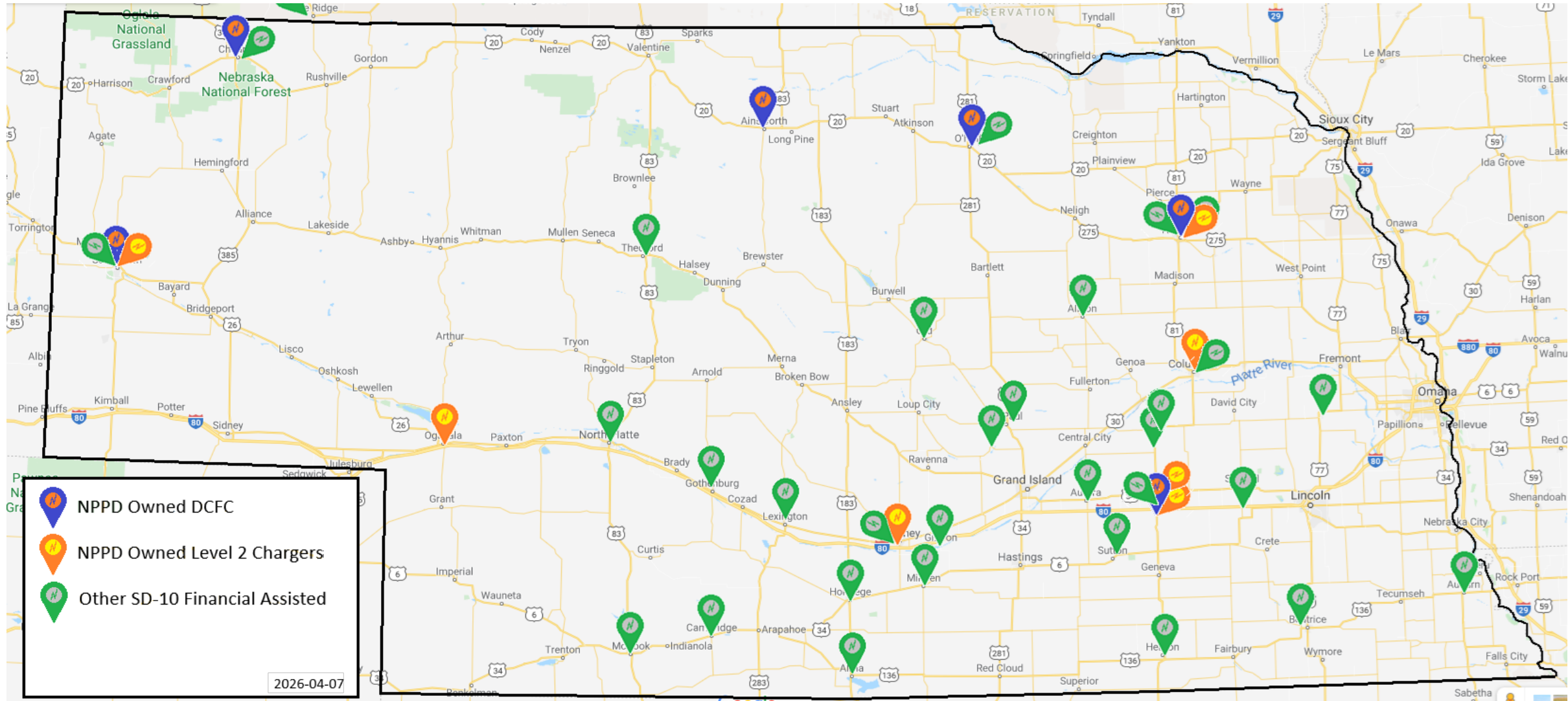
NPPD graph

Electric Vehicle Charging Levels

| | AC Charging Home, Fleet, and Public Use | DC Fast Charging Public and Large Fleet Use |
|---|--|---|
| Type | Level 2 | Level 3 |
| Power | 208V or 240V 1 ph 3 kW to 19.2 kW 12 to 80 amps | 480V 3 ph 50 kW to 350kW 60 to 500 amps |
| Charge Time (Miles of range per hour of charge) | 6.6 kW - 20 to 25 miles 9.6 kW - 40 to 45 miles 19.2 kW - up to 60 miles | 50 kW - up to 150 miles 100 kW - up to 300 miles 350 kW - up to 260 in less than 30 minutes |

Cost and complexity tends to increase the faster the charging level.

NPPD Electrification-Assisted Charging Stations

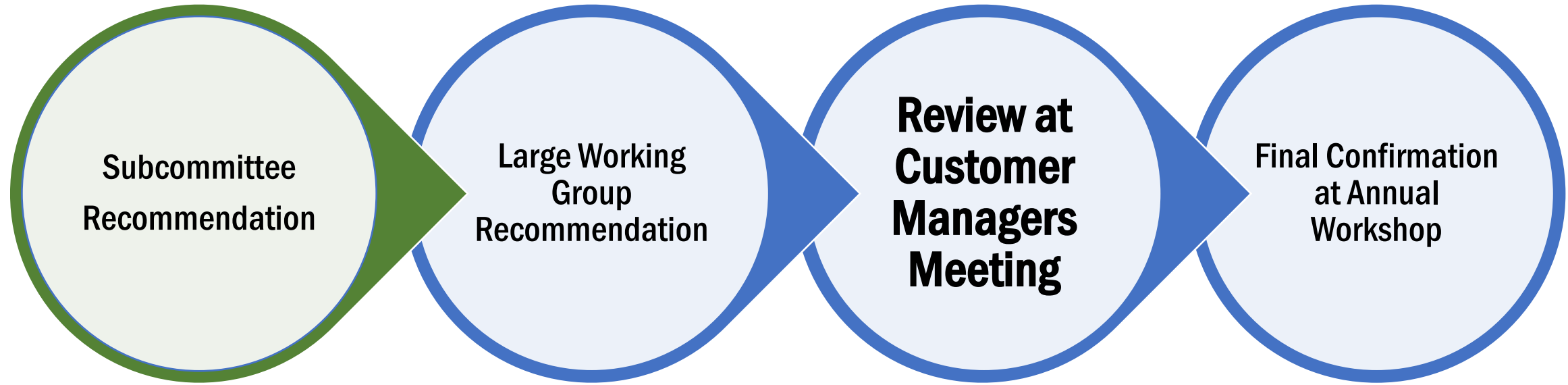


NPPD SE (Sustainable Energy) Electric Vehicles

- Added to NPPD Vehicle Sharing Program in 2026
 - ✓ Ford F-150 Lightning
 - ✓ Ford Mustang Mach-E
 - ✓ Kia EV6

Working Group Process Flow

Wholesale Customer Driven Incentives



EnergyWiseSM Programs: Electrification

Residential

- Level 2 Charging Stations
- Pre-Wiring for Charging Station
- Lawn & Garden
- Induction Cooking



ENERGYWISESM
Use less. Spend less. Do more.

www.EnergyWiseNebraska.com

Commercial / Industrial

- Charging Stations
 - ✓ Level 2
 - ✓ DC Fast Charger (DCFC)
- Pre-Wiring for Chargers



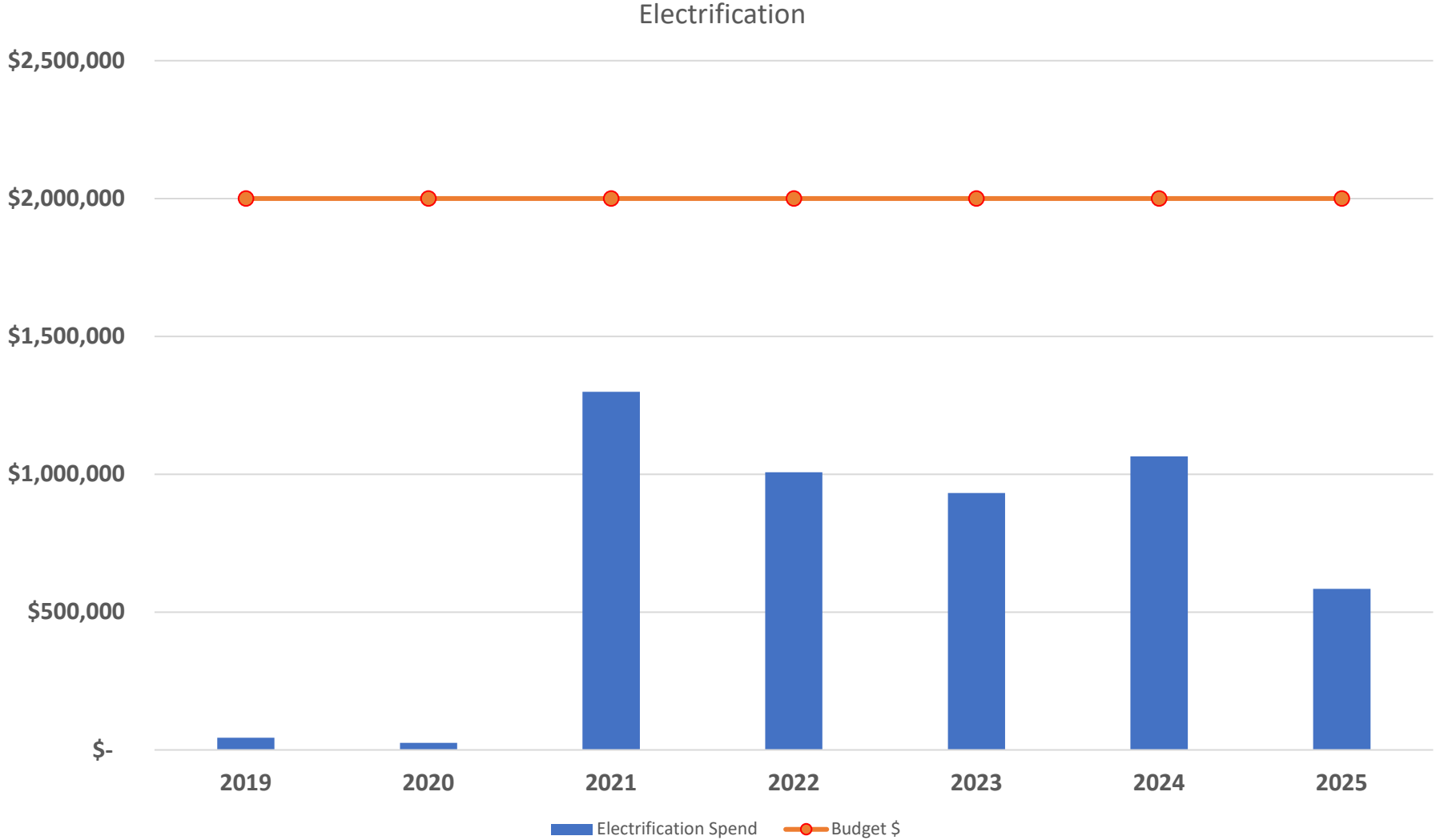
Wholesale Customers

- Battery Electric Vehicles (EVs) for Check Out
- EV Advertising and Promotional Events



BP-SD-10 Electrification Spend by Year

Includes Capital and O&M



BP-SD-10 Electrification 2025 Investment

| BP-SD-10-Electrification | Count | \$ |
|--|-------------|-------------------|
| Residential ChargePoint Charging Station | 80 | \$ 20,952 |
| Residential Charging Station Pre-Wiring | 136 | \$ 70,047 |
| Utility/Non-Profit Owned Charger | 11 ports | \$ 232,078 |
| Commercial Charger and Conduit | 6 | \$ 4,849 |
| Induction Cooktop | 99 | \$ 40,577 |
| Electric Mowers | 436 | \$ 126,865 |
| Other Lawn and Garden | 919 | \$ 75,846 |
| Wholesale Customer Advertising | 78 | \$ 12,855 |
| Totals | 1765 | \$ 584,069 |

** Chainsaws, Tillers, and Snowblowers

National Electric Vehicle Infrastructure (NEVI)

- **Federal Plan from 2021 Bipartisan Infrastructure Law (BIL)**
 - \$7.5 Billion to expand Electric Vehicle Charging Infrastructure
 - Nebraska: \$6 Million per year for 5 years
 - 20% matching funds for host site/owner, 80% by NEVI program
 - Requirements
 - ✓ Must initially complete “Essential Corridors”
 - ✓ 4 DCFC stations each capable of 150 kW charging
 - ✓ Within 50 Miles of next stations
- **Nebraska Plan**
 - Nebraska targeted locations along essential corridors (I-80 & Highway 6 in Omaha)
 - ✓ **Retail:** Big Springs, Kearney, York
 - ✓ **Wholesale:** Gothenburg
 - ✓ **Others:** Kimball, Sidney, Omaha
 - NPPD will not incentivize NEVI chargers
- **Program placed on hold Feb. 6, 2025, for updated federal guidance**



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Questions

Stay connected with us.



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