



# Review of Strategic Directive BP-SD-09 Energy Efficiency

THE  
**POWER OF  
PEOPLE**



NPPD Board of Directors Meeting  
Strategic Session  
May 2026

Carsten Mlady, Sustainable Energy Manager



**Nebraska Public Power District**  
*Always there when you need us*

# EnergyWise<sup>SM</sup> Introduction

EnergyWise<sup>SM</sup> is the Program “umbrella” for:

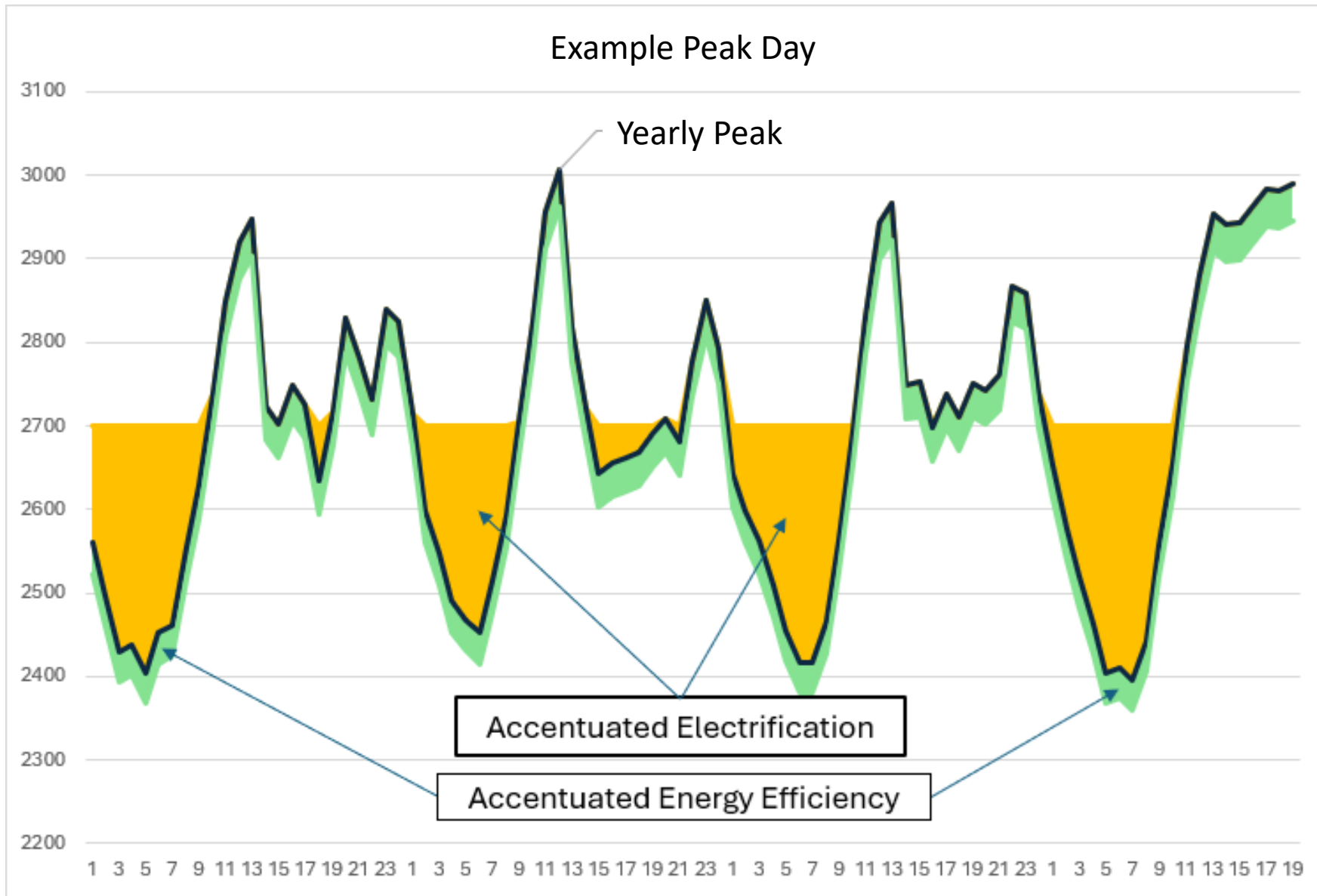
## Energy Efficiency (EE)

- Save energy and reduce costs for end-use customers
- Reduce the cost to serve load during peak usage
- Examples: Ground Source Heat Pump, Variable Frequency Drives

## Electrification

- Add load by converting fossil fuel sources
- Strategically add load that utilizes existing grid
- Reduction of CO<sub>2</sub>
- Save the customer money overall in energy purchases
- Examples: Electric Vehicles, Fossil Fuel Furnace / Water Heater to Electric Heat Pumps, Battery Powered Lawn Tools

# EE and Electrification Impacts



# 2026 Sustainable Energy Team

★ Vacant  
Scottsbluff



★ Norfolk  
Jim Loutzenhiser

Aaron Jones



★ Ogallala



Jarod Nekl

★ Kearney

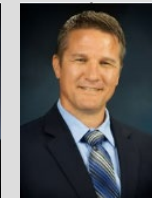


★ Aurora  
Ron Rose

★ Columbus



Kelly  
Beiermann



Chad  
Pinkelman

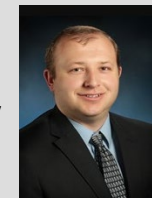


Dave Rich



Steve Zach

★ Lincoln



Carsten Mlady



Cory Fuehrer

# BP-SD-09, Energy Efficiency

**Nebraska Public Power District (NPPD) is committed to:**

- Using all available tools to keep electricity affordable for wholesale and end-use customers
- Reduce the cost to serve load during peak usage periods
- Partnering with our wholesale customers to develop programs and services
- Being a resource for technical information for our wholesale customers
- Help end-use customers reduce costs and improve business' bottom lines
- Provide a service that engages customers in a positive way

# BP-SD-09, Energy Efficiency (Cont'd)

## NPPD is committed to:

- Building relationships with business partners and community colleges
- Partnering with the Nebraska Department of Environment and Energy and other Nebraska utilities
- Taking advantage of state and federal incentives, grants, and other opportunities
- Continually sharing helpful information with customers and teammates
- Offering energy use audits, calculators, information, and recommendations

# EnergyWise<sup>SM</sup> Programs: Energy Efficiency

## Residential

- Heat Pumps
  - Loan or Incentive
- Attic Insulation
- Cooling System Tune-Up
- Smart Thermostat
- Heat Pump Water Heaters



## Commercial / Industrial

- LED Lighting
- Variable Frequency Drives (VFD)
- Industrial Process
- HVAC Programs



## Agricultural

- LED Lighting
- Agricultural Programs
- Custom Ag



**ENERGYWISE**<sup>SM</sup>  
Use less. Spend less. Do more.

[www.EnergyWiseNebraska.com](http://www.EnergyWiseNebraska.com)

# Ag Incentives

- **Center Pivot/Linear Outlet Component Replacement** a \$500 incentive is available for producers to replace all of a system's existing outlet components such as sprinkler heads, sprayers, rotators, plates, pads and nozzles, and regulators on qualified systems.
- **Irrigation Moisture Sensor** program provides a \$300 incentive to producers that use electric irrigation pumping for installing a moisture sensor incorporated with an irrigation management program or software.
- **Corner Pivot Variable Frequency Drive** an incentive is provided for incorporating variable frequency drives (VFDs) into corner pivot systems. VFDs can reduce output by controlling the motor speed, rather than pumping at full load and throttling water flow using valves and regulators. This program continues to offer significant savings for participating producers.
- **Automated Grain Aeration** an incentive of \$0.011 per bushel based on a grain bin's capacity is provided when a producer installs a system that monitors stored grain and automatically operates fans only when needed and appropriate.
- **Hog Heat Mat** program provides \$40 to \$80 incentives for energy efficient hog mats in lieu of heat lamps in swine farrowing.
- **Custom Agriculture** customers can receive reimbursement for agricultural energy efficiency improvements that are not covered under other programs. Irrigation pump system efficiency tests are reimbursed up to \$350 through this program.

# Annual Report

**ENERGYWISE™**  
Use less. Spend less. Do more.



**2025**  
**Annual Report**  
March 2026



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# BP-SD-09, Energy Efficiency

## 2025 EnergyWise<sup>SM</sup> Energy Efficiency Results

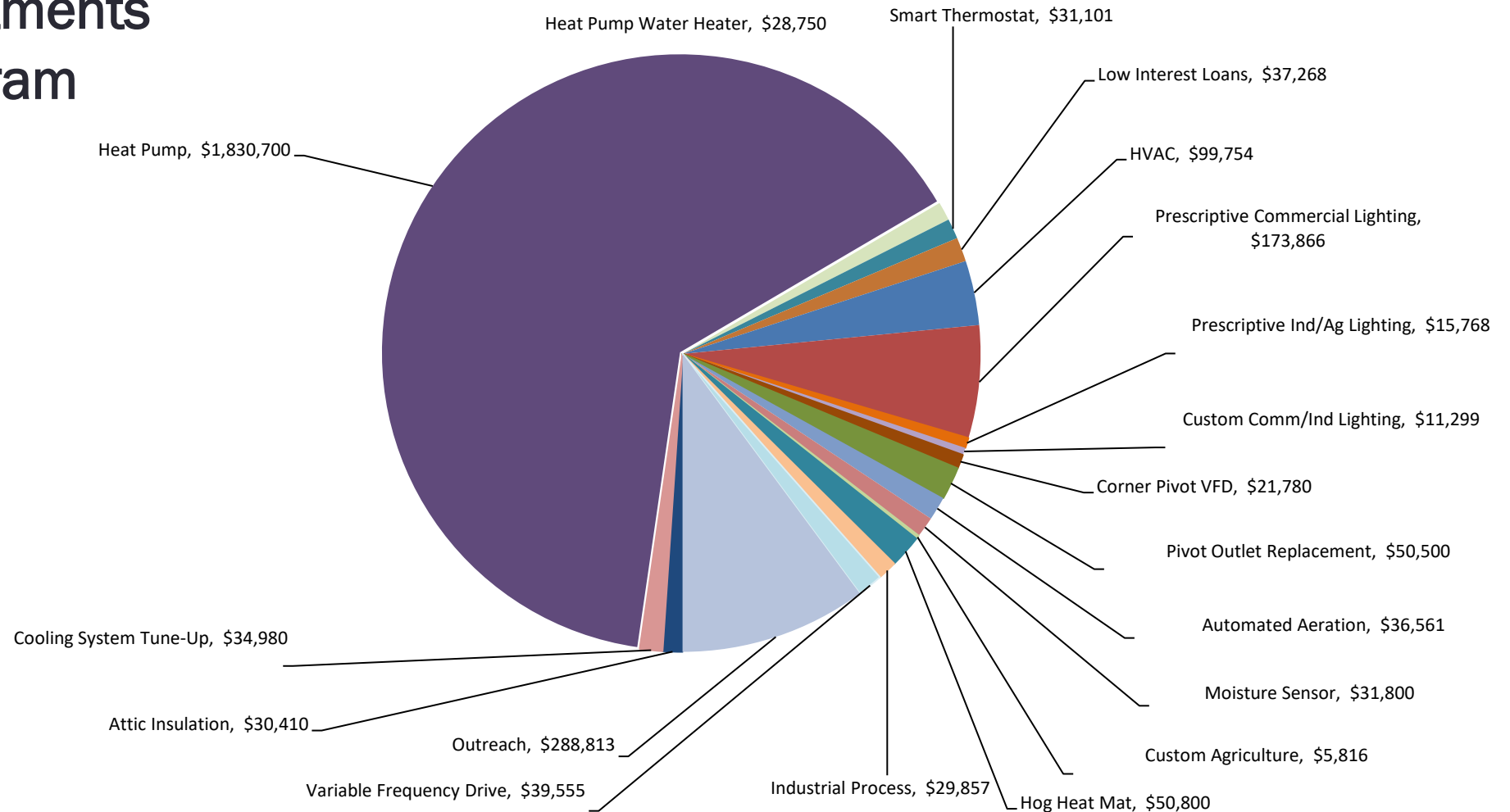
- \$2.6 M budgeted
- \$2.85 M invested\*
  - ✓ \$1.84 M - High Efficiency Heat Pumps (Residential)
    - 1,147 incentives
  - ✓ \$1.01 M - Remainder of Programs
    - 3,679 incentives

\*EnergyWise<sup>SM</sup> Annual Report for 2025, provides more details.

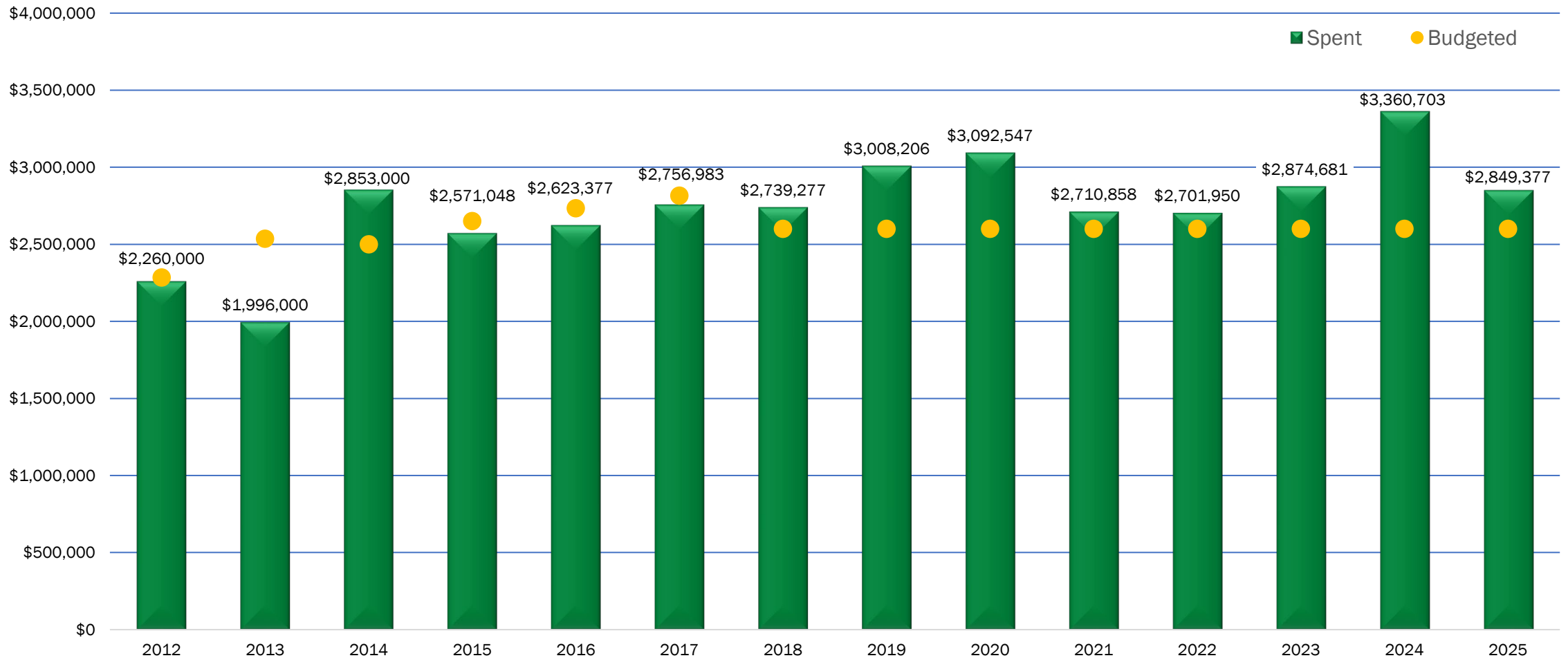
- Overall cost effectiveness of energy efficiency programs: \$0.015/kWh over LOM (Life of Measure)
  - Cost of Incentives / (Annual Energy Savings x Life of Measure)
  - Well below the 2025 avoided cost of \$0.029/kWh for firm load (Southwest Power Pool average market price for NPPD's load)

# BP-SD-09, Energy Efficiency

## 2025 Investments per Program



# Energy Efficiency Incentives by Year



2025 EnergyWise<sup>SM</sup> Budget = \$2.6 M



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## Questions

Stay connected with us.



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