

# SOUTH CENTRAL SOURCE

JANUARY 2025



## Powering into 2025

Happy New Year from South Central Public Power District!

As we step into the new year, we want to take a moment to express our heartfelt gratitude to you, our valued customers. Your continued trust and support in 2024 made it possible for us to provide reliable, affordable, and sustainable power to our communities. Together, we've overcome challenges, embraced new opportunities, and kept the lights on through it all. It is a true privilege to serve you, and we look forward to continuing this journey with you in 2025.

Looking ahead, we are excited about the year to come and the opportunities it holds for both our district and the communities we serve. We remain committed to enhancing the reliability of our services, supporting energy efficiency initiatives, and investing in innovations that benefit you.

From all of us at South Central Public Power District, we wish you a bright and prosperous New Year filled with joy, success, and good health. Thank you for being a part of our community, and here's to an even stronger year ahead!

## Terry Daniels Celebrates 25 Years



Terry Daniels is a Journeyman Lineman at South Central Public Power District. He is celebrating 25 years with the district this January.

Terry is from Smith Center, KS. He is a graduate of Pratt Community College Lineman School. He worked for Hastings Utilities prior to joining South Central PPD. His duties at South Central PPD include overseeing all phases of construction including setting poles, stringing conductors, and building new services. Terry helps restore power safely when needed and works to ensure the power stays on for our customers.

Terry and his wife, Karen, live north of Nelson, NE. Karen is an Electrical Buyer at Dutton-Lainson in Hastings, NE, where she has worked for the past 42 years. Terry and Karen have a son, Travis, who lives near Red Cloud, NE with his wife, Bethany.

In his free time, Terry enjoys hunting, fishing, camping and eBiking.

Thank you for your 25 years of dedication and service at South Central PPD, Terry!



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## Understanding Bitcoin and Bitcoin Mining

Bitcoin is a type of digital currency, often referred to as a cryptocurrency, that allows people to send and receive money over the internet without the need for a central authority like a bank or government. Created in 2009 by an unknown person or group under the pseudonym "Satoshi Nakamoto," Bitcoin operates on a decentralized network known as the blockchain. This technology ensures that all transactions are secure, transparent, and immutable, meaning they cannot be altered once they are confirmed. Unlike traditional currencies, Bitcoin is not printed or controlled by any government but is instead generated through a process called mining.

### Bitcoin Mining

Bitcoin mining is the process by which new bitcoins are created and transactions are verified on the Bitcoin network. It involves solving complex mathematical puzzles using powerful computers, which require a significant amount of computing power and electricity. When a miner successfully solves one of these puzzles, they add a new "block" of transactions to the blockchain, a public ledger that records all Bitcoin transactions. In return for their work, miners are rewarded with newly minted bitcoins and transaction fees.

### Bitcoin Mining and South Central PPD

South Central Public Power District (PPD) is part of a growing network of power companies in Nebraska that are capitalizing on the rising demand for electricity from Bitcoin miners. By hosting mining operations at seven of its substation sites, South Central PPD has effectively leveraged its existing infrastructure to meet the needs of both local customers and the Bitcoin mining industry. Minors located at South Central PPD substations lease land for their containers and pay for all necessary upgrades to the site. South Central PPD's electric



*Bitcoin mining containers located at the Hardy substation.*

infrastructure is designed to handle summer electricity demand that is typically three to four times the average monthly demand, allowing Bitcoin miners to utilize this idle capacity during off-peak months. In return, miners are willing to shut down or reduce consumption during the peak summer months to ensure agricultural needs are met.

This strategic partnership has allowed South Central PPD to double its energy sales annually without needing significant new infrastructure investments. The additional revenue generated by Bitcoin mining operations is reinvested into the local power system, helping stabilize rates for all customers.

By selling power to miners during off-peak times, South Central PPD not only makes better use of its facilities, but we also ensure that all of our traditional customers are prioritized during times of peak demand. This model creates economic benefits, including job growth and additional tax revenue, while supporting the community's agricultural needs. As a result, South Central PPD is strengthening both its financial position and its ability to serve the local community effectively.

## Available EnergyWise Incentives

### Residential

- High Efficiency Heat Pump
- Cooling System Tune-Up
- Attic Insulation
- Heat Pump Water Heaters
- Smart Thermostats

### Commercial/Industrial

- Lighting
- Variable Frequency Drives
- HVAC System Optimization
- HVAC
- Industrial Process Improvements

### Electrification

- Charging Stations
- Pre-Wiring
- Lawn & Garden
- Induction Cooking

### Agricultural

- Component Replacement
- Moisture Sensors
- Corner Pivot VFD
- Automated Grain Aeration
- Hog Heat Mats
- Custom

## Available South Central Incentives

### High Efficiency Heat Pumps

- Ductless Mini-Split
- Air Source

### Heat Pump

- Desuperheater
- Geothermal Heat Pump

### Water Heater

- Resistance Water Heater
- Heat Pump Water Heater



## 2025 EnergyWise Incentive Program Changes

### *Smart Thermostats*

In addition to ENERGY STAR Certified Smart Thermostats, others qualify if:

- Wi-Fi Connected
- Capable of setting a schedule
- Provides information about HVAC energy Use
- Provides the ability to work with utility programs

### *High Efficiency Heat Pumps*

The Air Source Heat Pump Category has been updated to be in line with Energy Star Requirements.

- The EER2 rating requirements changed from 11.9 to 11.7 EER2.

### *Lawn & Garden*

- The 20% incentive for electric lawn and garden tools (chainsaws, tillers, snow blowers, and lawn mowers) is being expanded to include electric blowers, trimmers, edgers, pruners, etc.

### *Residential Charging Station*

- Incentive of 50% of the purchase price
- Any residential vehicle charging stations qualify
- Maximum of \$500 incentive

### *Commercial Conduit*

Changed to a prescriptive incentive:

- \$15/foot of conduit installed
- Minimum of \$500, maximum of \$2,000

Visit [southcentralppd.energywisenebraska.com](https://southcentralppd.energywisenebraska.com) to access incentive applications and learn about the various programs that are available to you.

# Happy New Year! 2025!

## FREE & EASY ways to save energy

(Spoiler Alert: Your clothes and dishes won't know the difference)

Major home appliances account for approximately 16% of an average home's energy consumption.

16%



1. Run full loads of laundry instead of several smaller ones.
2. Use cold water to wash your clothes.

3. Keep your refrigerator at 35° to 38°F and your freezer at 0°F.
4. Regularly defrost manual-defrost freezers and refrigerators.



5. Skip the heat-dry setting on your dishwasher.
6. Fully load your dishwasher before washing.

7. When buying new appliances, consider Energy Star versions.
8. Unplug appliances you're not using.



Time to replace that old appliance? Replacing older versions with energy-efficient models can save the average household more than \$500 per year.

Sources: National Resources Defense Council, U.S. Energy Information Administration

Safe Electricity.org®

## SOUTH CENTRAL PUBLIC POWER DISTRICT

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Craig Cox

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The regular meeting of the Board of Directors of South Central Public Power District is held the third Tuesday of each month at 9AM at the District's office in Nelson, Nebraska.

### Nelson Office

275 S Main St | Nelson, NE 68961



402.225.2351 or 800.557.5254



Monday - Friday  
8 AM - 4:30 PM



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

### Power Outages



402.225.2351 or 800.557.5254



Visit the current outage map on our website.



### South Central Source Editor

Lisa Peterson  
Public Relations Manager  
[lisap@southcentralppd.com](mailto:lisap@southcentralppd.com)



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