

CURRENT FLASHES

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cedarknoxppd.com

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From the Desk of the Manager



Mike Lammers

RATES TO INCLUDE DEMAND

No overall rate increase and continued return of funds in the form of the Production Cost Adjustment (PCA) will highlight Cedar-Knox PPD rates for 2022. As discussed in last month's newsletter, we will proceed with some rate adjustments beginning February 1, 2022. Cedar-Knox PPD will implement a demand or kilowatt (KW) charge to the remainder of our rate classes that previously did not have a demand billing component, such as residential and small commercial power customers. However, the new demand charge will be offset with lower energy rates resulting in an overall net zero-dollar impact to our customers. The Board approved this rate change following the recommendation from our rate consultant and is being done to prevent subsidization from one rate class to another. After careful examination of this billing change, the majority of our customers will not notice a change.

So...What is KW Demand? Demand is the amount of energy required or demanded over a given period of time. To help explain demand, let's use the simple task of filling a 5-gallon bucket with water in the example to the right.

The amount of water pumped in both options is the same at 5 gallons. However, the requirements to do that are different in

these examples. The supply line, hydrant, and pump are much larger to pump 5 gallons per minute than the 1 gallon per minute. This flow rate is equivalent to demand.

Option 1: Fill the bucket at 1 gallon per minute for 5 minutes (1 GPM)



Option 2: Fill the bucket at 5 gallons per minute for 1 minute (5 GPM)



Why is Demand Important? Peak demand sets the minimum requirements for the system. Back to our example, the demand would determine if you need the larger hydrant, hose, and pump to satisfy the

requirements necessary. In the electric world, we have to provide adequate generation, transmission, and distribution to deliver energy to the load. Our substations, transformers, and wires are our larger hydrant, hose, and pump required to deliver that energy.

How are Demand Charges Calculated?

Demand charges are based on the highest 15-minute average usage recorded on the demand register of your meter within a billing period. Our automated metering infrastructure (AMI) allows us to measure, read, and reset this value from the meter each month. If your service tends to use a lot of power over a short period of time, your demand charges may be higher compared to if you use power at a lower and/or more consistent rate throughout the billing period.

Rates are often said to be more of an art than science and adding demand to our rates adds some complexity. However, this component makes us able to achieve the goal of being as "fair and equitable" as we can to our customers. If you have any questions on demand or how it will affect your service, please do not hesitate to reach out to our staff so they can assist you.

Rate Comparison Example

2021 Rate 101-1,800 KWH

Current Month Electric Billing Statement \$ Amount	
ELECTRIC SERVICE	
Monthly Base Charge	19.50
Energy Charge	123.96
Power Cost Adj	11.15CR
Total Electric Charges	132.31

2022 Rate 101-1,800 KWH & 19.6 KW

Current Month Electric Billing Statement \$ Amount	
ELECTRIC SERVICE	
Monthly Base Charge	19.50
Energy Charge	114.15
KW Demand Charge	9.80
Power Cost Adj	11.15CR
Total Electric Charges	132.30

Energy Charge

Lower cost per kWh in 2022

Demand Charge

Charge per kW applied in 2022

Production Cost Adjustment

Will continue through January 2023

Total Current

Electric Charges
Net overall zero impact to customer

Rural Single Phase Rate

Rural Single Phase Rate



We offer a wide range of EnergyWise incentives and rebates designed to help you SAVE ENERGY AND MONEY, and contribute to a more sustainable future for all Nebraskans!

Check out the 2022 options that may fit your unique needs. Visit our website <https://cedarknoxppd.energywisenebraska.com/> for more detailed information or additional programs not listed here. You can also give us a call at (402) 254-6291 and ask for Matt Sudbeck.



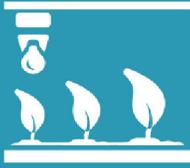
INCENTIVES FOR YOUR HOME

- Attic Insulation
- Cooling System Tune-Up
- Induction Cooktop
- Smart Thermostat
- High Efficiency Heat Pump



INCENTIVES FOR YOUR BUSINESS

- Prescriptive Lighting
- Commercial HVAC
- Heat Pump Water Heater



INCENTIVES FOR YOUR AG OPERATIONS

- Variable Frequency Drive
- Prescriptive Irrigation



INCENTIVES FOR YOUR LAWN & GARDEN

- Battery Powered Electric Lawn Mower
- Battery Powered Leaf Blower



INCENTIVES FOR YOUR ELECTRIC VEHICLES

- Battery Electric Vehicle
- ChargePoint Charging Station

DIRECTOR SPOTLIGHT

We want to continue to spotlight our Directors to ensure you know who represents you. Continue to watch future issues to meet others each month!



Randy Carlson

BOARD OF DIRECTORS TREASURER

AREA SERVED: Division 3 (Knox County)

YEARS OF SERVICE: 23 years

FAMILY: Wife, Beth - 2 children - 5 grandchildren

HOBBIES: Watching all the grandkid's activities

WHAT INTERESTED YOU INTO RUNNING FOR THE CKPPD BOARD?

I want to help keep our rates fair, while providing good service to our customers.

WHAT INFORMATION WOULD YOU LIKE TO SHARE WITH THE PUBLIC?

I want everyone to know that Cedar-Knox is one GREAT Power District!



Ken Eickhoff

BOARD OF DIRECTORS MEMBER

AREA SERVED: Division 1 (Cedar County – Mainly North of Hwy 84)

YEARS OF SERVICE: 23 years

FAMILY: Wife, Lori - 5 children – 7 grandchildren (so far)

WHAT INTERESTED YOU INTO RUNNING FOR THE CKPPD BOARD?

I wanted to learn more about the infrastructure. I also wanted to help keep electricity more reliable & affordable.

WHAT ARE THREE WORDS YOU WOULD USE TO DESCRIBE CKPPD?

1. Innovative
2. Inclusive
3. Integrity



20 YEARS

20 Years of Service

Mary Lammers, Office Manager, is celebrating her twenty-year service anniversary with Cedar-Knox Public Power. Mary has been a terrific asset to Cedar-Knox PPD. Over the years her contributions and duties have transformed and progressed. She has contributed in the areas of Customer Service, Billing, Load Control, Benefits, and now Management.

Thank you for the loyalty and dedication you have thus far shown our customers and our company. The extra time and hard work you put in are a true testament of your commitment to Cedar-Knox.

Thank You!