

# H-D ELECTRIC COOPERATIVE

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IRRIGATION ACCOUNTS

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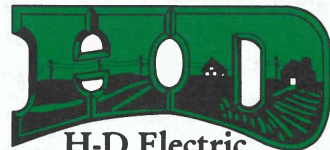
LOAD MANAGEMENT  
PROGRAM

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H-D ELECTRIC COOPERATIVE,

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**H-D Electric  
Cooperative, Inc.**

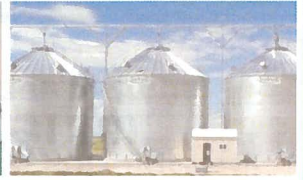
**"Powerful...Together"**

# H-D Electric's Irrigation Rate Structure (as of April, 2024)

- 1) Annual Service Charge—based on the highest measured kW demand of the current year. Minimum charge is \$110. Billed on your November 1st bill statement.
- 2) Monthly service rate \$0.068 per kWh energy usage.
- 3) Monthly kW Demand rate, measured at the highest demand value within the calendar month. Demand is approximately three-fourths (3/4) of the total horsepower running at one time. For example, demand for a 40 hp motor would be approximately 30 kW demand.

- ◆ **Controlled kW Demand Rate**  
\$6.70 per kW
  - ◇ **Participate in Load Management Program and system shuts down during control events.**
- ◆ **Uncontrolled kW Demand Rate**  
\$20.15 per kW
  - ◇ **No load control or system doesn't shut down during control events**

Check out H-D Electric's website for examples of a typical Irrigation System annual billing-[www.h-delectric.coop](http://www.h-delectric.coop). (Member Services > Irrigation)



## THREE-PHASE

Large motors and other equipment may need three-phase power to operate properly. If any one of the three-phase wires doesn't provide power, the other two phases will increase current to make up for the lost phase. This results in excess heat which may damage the motor winding and ultimately cause the motor to fail. Fortunately, **phase failure protection** is a solution to avoid motor damage as it shuts the motor down if it senses a missing phase.

### PHASE FAILURE PROTECTION

H-D Electric advises that phase failure protection is installed on three-phase motors for protection on a loss of phase.

Some reasons a phase may lose power:

- Primary power outage on H-D line
- Secondary issue on members line:
  - Blown fuse
  - Tripped circuit breaker
  - Cable damage
  - Worn contacts
  - Poor or loose connections

Any electrician should be able to install phase failure protection. H-D Electric's Member Service Department can install the necessary phase failure equipment at a typical cost around \$200 per motor location. Please call our office for more information or to schedule an appointment (605) 874-2171



## **H-D Electric's Load Management Program for Irrigation Systems**

H-D Electric will install a Control Receiver on your irrigation pump motor which will interrupt service during control periods set by East River Electric.

- **Benefit:** kW Demand Charge is billed at a lower rate when irrigation system follows control during the month.
- The irrigation system must have a control circuit or pressure switch installed between or on the pivot and the pump control panel to eliminate demand being present anywhere on the entire irrigation system during control times.
- **Failure to stop demand on the pivot may result in being charged the Higher kW Uncontrolled Demand Rate.**
- If you feel you would like to discuss a certain situation or concern, please contact the office ahead of time.

### **Email or Text Alerts**

Sign up to receive a Text or Email notification of irrigation load control events from East River Electric.

You will receive a text/email notification at the beginning and end of irrigation load control events.

This notification works with most email accounts or smart phones. Contact H-D Electric with a valid email address or mobile device phone number and service provider.

We do not charge for this service, however depending on your data plan, there may be a charge from your cellphone provider.

### **Members who choose to participate in the load management program.**

It is important to make sure all motors are completely stopped during the control periods. Even if the tower keeps running during a control period, you will still be billed for the whole month's peak demand at the Uncontrolled kW Demand Rate.

### **How to keep Irrigation costs down**

Billing for kWh energy usage and kW demand begins at 12:00 am on the first day of the month.

Waiting to start your irrigation system in a new month or shutting down before a new month begins may result in only one month of energy & demand charge rather than two months.

Running your system for a day or even a few hours in a month will result in energy & demand costs.

**The higher Uncontrolled kW Demand Charge is assessed if you choose to bypass the control receiver during a control event period and you run your irrigation system.**

### **Contact us with questions or issues**

H-D Electric has a member service department to help with irrigation system problems on the consumer side of the meter.

## IRRIGATION

Many irrigation members use third-party irrigation management systems to manage their systems remotely from a Smartphone or tablet. You are able to monitor your pump & pivot, water flow & pressure, and turn equipment on & off from your fingertips.

We have worked with these systems to ensure you can still have the cost benefits of peak control while using these technologies.

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### IRRIGATION THIRD PARTY CONTROL PROGRAM & REBATE

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**H-D Electric offers a \$750 rebate per irrigation system using a qualified third-party control**

Rebate requirements are easy:

- Submit a copy of the installed third-party system invoice
- Provide receiver serial number(s) & field description (may get from dealer)
- Sign and return the third party irrigation control agreement with H-D Electric

Once requirements are met, H-D Electric will come on-site to physically disconnect our existing controller.

If you cancel the third-party irrigation system and switch back to a physical irrigation controller from H-D Electric (within five years), you will need to pay to have the controller reinstalled.



## QUALIFIED THIRD-PARTY IRRIGATION DEALERS

### AgSense

Farmers Implement & Irrigation  
Brookings or Watertown - 605-692-6153

### FieldNET by Lindsay

Midwest Irrigation & Electric  
Big Stone City, SD - 605-862-8149

### FieldWise

M & S Irrigation  
Vermillion, SD - 605-999-5218

