



Irrigation Newsletter 2019 Edition

2019 Load Control

Power Line Clearance

Your safety is important to us. This includes constructing and operating a safe irrigation service. The zoning set back in York and Fillmore counties is 10 feet from the right-of-way (R.O.W) line to the outward most point. The R.O.W line can vary depending on the road and section lines. To provide safe electrical power, Perennial strictly adheres to the rules set forth in the National Electric Safety Code (NESC). If you operate or plan to install a new pivot, Perennial requires a minimum of 8 feet from any part of a pivot to our primary overhead lines. Position water jet streams so there is no chance of them spraying onto power lines. If water sprays onto power lines the entire irrigation system can become energized. Please contact your county zoning administrator and Perennial Public Power District prior to constructing a new service.



Please notify us

Please notify us if chemicals are sprayed on your fields that might present a health hazard to our linemen if they need to enter your fields to perform maintenance or repairs. If you flag the field entrance it helps alert linemen that there are hazards.



Load control hours

Potential hours for load control are from 9 a.m. - 11 p.m. Monday through Sunday. However, the maximum amount of time that any irrigation well will be controlled during the 9 a.m. - 11 p.m. time-frame is 12 consecutive hours. The starting and stopping time can and usually will change from day to day. In the past we have not allowed any load control bypasses during control times. However, we are willing to work with customers during non-peaking times in the event of a situation, such as well repair. Sundays and holidays can be controlled up to 6 hours for every load control group. The maximum amount of time that any irrigation well can be controlled throughout the entire week (including Sunday) is 72 hours, which applies to Anytime control groups.

No rate increase for 2019

Perennial is pleased to announce that rates will remain the same for the 2019 irrigation season.

IMPORTANT Dates & Deadlines

MARCH 15

New service deadline

APRIL 15

Load control change deadline

Services we offer

Online billing and Automatic Bank Draft

Load Control Text or E-mail Notification

Irrigation Incentives

Office Hours

Monday - Friday

7:30 a.m. - 4:30 p.m.

402-362-3355

800-289-0288

402-362-3357-outages

2019 Irrigation Load Control

Load control change deadline

Irrigation customers that want to have their wells controlled under a different load management option than what they are presently signed up for, will need to execute a new Interruptible Irrigation Service Agreement before **April 15, 2019**. If you changed your load control option in 2018 during the irrigation season you may want to check with our Customer Services Department to see which load management program you are currently signed up for. They can also assist you in changing your load control option. The agreement is also available on our website (www.perennialpower.com) under the Load Control tab.

Changing Load Control after April 15, 2019

Customers are allowed to change to a lesser control or no control after April 15, 2019. A new Interruptible Irrigation Service Agreement will need to be executed to authorize the change. The service charge to change load control after the load control change deadline is \$150.00 and the difference between the charges already billed and charges under the new control rate as selected by the customer. The rate change is retroactive beginning with the June irrigation billing. The quickest and most efficient way to change control days is to call our office at 402-362-3355 while you are at the well. This allows us to verify that the correct service is being changed.

Are you installing a new irrigation service?

If you are planning on a new irrigation service or upgrading an existing one, **be sure to sign your application by March 15, 2019**. We must receive your signed application before we will order any material for the job. **Signing your application by March 15** is critical if you plan to use a new electric irrigation service this year.

Emergency Load Control

In addition to regular load control hours, our power supplier could ask us to control load in emergency situations, such as equipment failure. In the event we would need to control on an emergency basis, we would keep you informed on our load control hot-line and our after-hours call center.

Irrigation Safety

Avoid electrical hazards on the farm by always taking a quick look up and a look out. To ensure a safe growing season please keep the following in mind:

- Make sure that irrigation system wiring is properly grounded. Before the start of each irrigation season, have a qualified electrician check the pump and wiring. Store unused irrigation pipes far away from power lines or electrical equipment.
- Position irrigation pipes at least 15 feet away from power lines.
- Position the water jet streams so that there is no chance of them spraying onto power lines. If this happens, the entire system could become energized, creating a danger for anyone nearby.
- Stay away from the piping during any lightning activity. Install lightning arresters to protect your equipment. If fuses continually blow or circuit breakers repeatedly trip, have a professional check the wiring. This could indicate a potential electrical hazard.
- Always shut off and lock the master electrical control switch before servicing the machine.
- Avoid moving irrigation pipe and equipment on windy days, as a sudden gust could lift pipes into overhead power lines. This power line contact could prove fatal to a person holding the pipe.
- Take some time to survey your surroundings before moving equipment. Look up and around you; note any power lines that could be close enough to come into contact with equipment—and stay away.

Help us Serve You

Please have your meter number, account number or well number available when contacting Perennial PPD for service or a question on your account. This helps us locate your account quickly and accurately. It also helps us dispatch service personnel to the correct location. Please remember we need directions to the meter, not the well. Sometimes the well and meter are across the road from each other in different sections.

Understanding your Irrigation Billing

Perennial bills irrigation service four (4) times per year. Irrigation billing periods are June, July, August and September. These bills are mailed to customers in July, August, September and October. Every irrigation service will have four (4) billings per year, regardless of the energy consumption. For example, if the irrigation service did not run during September, the last billing period, the customer will still be billed for the facility charge, purchased power demand charge and the distribution delivery demand charge.

The following is a break down of each charge element:

Facility Charge: This charge is the minimum amount that Perennial needs to collect to cover the cost of ongoing operation of the electric system facilities (i.e. poles, wire, etc.) that are needed to

serve an irrigation service, even if there is no billable demand or no electricity consumed by the customer.

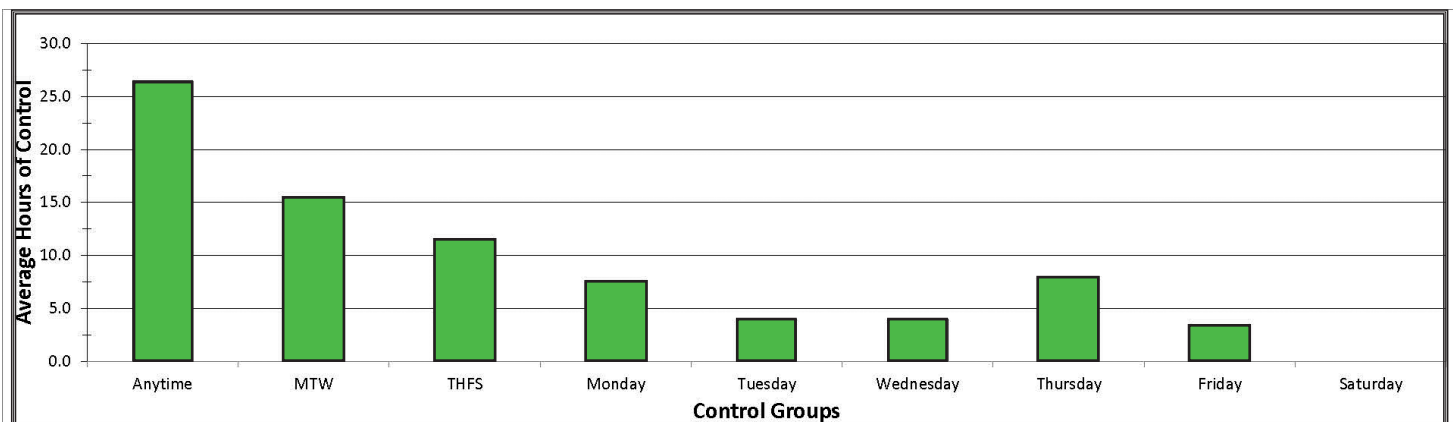
Purchase Power Demand and Distribution Delivery Demand Charges: These charges are for the customer's highest measured demand (kW) during the current billing period or the three (3) monthly billing periods preceding the current billing period. For instance, to calculate the demand charge for June 2019, we would look at the current billing period, and the three (3) previous billing periods of September 2018, August 2018, and July 2018. The rate for demand charges are based on the load control option selected by the customer.

Energy Charge: This is the cost per kilowatt-hour (kWh) used by the customer.

Facilities Charge (per billing period, 4 annually)	\$80.00	The billing demand (kW) for each billing period shall be determined as follows: The customer's highest measured demand (kW) during the current billing period or the three monthly billing periods preceding the current billing period. Twenty (20) horsepower and larger motors require power factor correction capacitors to correct to 90 percent power factor, unless the electric motor is a VFD.
Purchased Power Demand Charge (per kW for 4 billing periods)		
No Control (Rate Code 13)	\$17.25	
One Day Per Week Control (Rate Code 14)	\$13.05	
Anytime Control Rate (Control 15)	\$ 2.25	
Three Days Per Week Control (Rate Code 16)	\$ 6.60	
Pivot Wheels-Only (Rate Code 17)	\$15.00	
Re-Use Pump (Rate Code 18)	\$ 7.55	
Distribution Delivery Demand Charge (per kW for 4 billing periods)		
All Irrigation Rates (Rates 13 - 18)		
Energy Charge (all kWh)	\$2.00	
Energy Charge - all kWh (Rates 13 - 18)	\$0.0755	
Billing Periods - June, July, August, and September.		

2018 Control Hours by Group

The graph below shows the control hours by group for the 2018 irrigation season. Historically, the 2018 irrigation season had significantly less control hours than previous years. Timely rains during the 2018 season contributed to the reduced hours of load control.



Load Control Notification & Contact Information

Office: 402-362-3355 during regular business hours. Monday - Friday, 7:30 a.m. - 4:30 p.m.

After-hours: 800-289-0288, 402-362-3357, or 402-362-3355, select option 2.

Website: www.perennialpower.com The load control page is updated as needed throughout the day.

Load Control Hot-line: 402-362-4786
A recorded message announcing control status is updated as needed throughout the day.

Text or e-mail notifications: Sign up for text or e-mail notifications. Please contact our Customer Services Department to sign up.

KRVN Load Control Messages
Announcements can be heard on KRVN Radio - 880 AM. Load Control messages will be announced at 8:29 a.m. Monday - Saturday. If load control is expected, a "Code Red" announcement will be followed by the load control start time. A "Code Green" announcement will mean there will be no load control that day. Early release messages begin at 4:59 p.m.

Load Control Switches

Load control switches are installed on every irrigation well that participates in Perennial's load control program. In accordance with our load control agreement, the customer's equipment shall be wired into the motor control starting system of the well motor on the main pumping panel of the irrigation well. In the event, the service is wired to by-pass our load control switch the load control agreement will be terminated and the service will revert to the No Control rate. Some variable frequency drives (VFD's) can interfere with Perennial's load control signals. In the event a VFD interferes with load control signals, Perennial will assist you in finding a solution so you may continue to participate in the load control program. If the VFD interferes with other customer switches in the surrounding area, the service will be disconnected until the interference is corrected.



Load Control Unit Lights ~ irrigation well is controlled when both RED & GREEN lights are lit. When the GREEN light is the only light lit, the irrigation well is not under control.

Outages and After-hours calls

If you do not have power at your well or your meter shows an error, please check the voltage on the top side of the fuses in the disconnect switch below the meter. This will avoid a service call charge in the event the problem is on your equipment. If proper voltage is present, this means the problem is on your equipment, and an electrician will need to be called. If the proper voltage is not present, call Perennial for service. All after-hours calls are routed to the NPPD Call Center in Norfolk. It is important to supply the operator with as much information as possible.

ENERGYWISE™

Use less. Spend less. Do more.



It **PAYS** to improve your irrigation efficiency

Incentives

are available to qualified irrigators that help cover costs related to:

- Upgrading to a VFD
- Improvements reducing energy demand to irrigation systems. \$12/HP.
- Custom incentives are also available.

Contact Perennial for more information: