

Irrigation & Load Control Newsletter

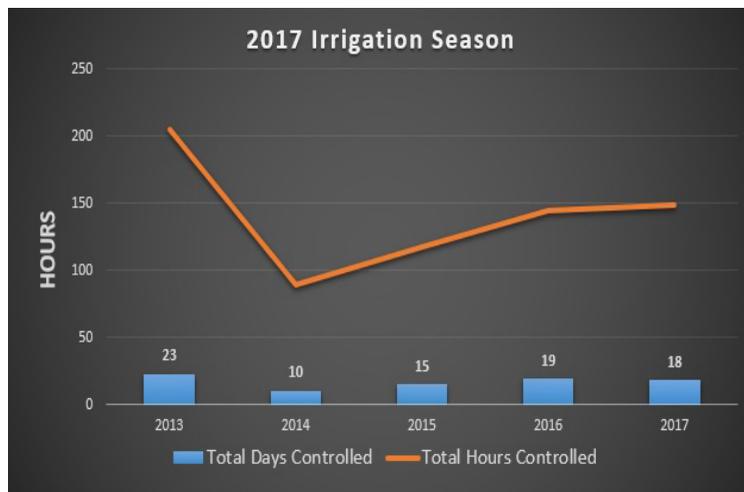
Letter from Customer Service

2017 -- An irrigation season to remember! Let's take a moment to review:



- April 30 - snow storm
- June 21 - load control started for only two days
- June 27 - Arnold storm
- July 2 - Merna storm
- July 5 - heat turned on
- July 26 - heat turned off & rain drifted in
- August 12 - storms & flooding started
- September 5 - official last day of load control season
- October - 50 to 70 mph winds

We set a new peak load on July 25 at 10:00 pm. This also happen to be the last day we controlled any irrigation. We controlled a total of 18 days and 149 hours all season. There was even a Sunday control for the first time since 2013.



Then there was the issue with our Load Control Receivers (LCR). LCRs from throughout our District were turning on at restore time but then shutting back off within 10 minutes. This happened more than once a night for certain LCRs. We made some modifications that helped but not consistently. We are continuing to work on this issue, but unfortunately our true test will be once irrigation load is back into full swing. We will be monitoring very closely this summer. Please call our office with the specific irrigation account or meter number if you experience this.

Here is to a new and improved
2018 irrigation season!





Be Sure to check out custerpower.com for irrigation information like:

- Troubleshooting Video
- Load Control Times
- Irrigation Rates
- Newsletters
- Text Messaging Consent Form

Sunday Load Control

Sunday load control continues to be a possibility if the load forecast reaches extreme conditions. The maximum control for a Sunday is 6 hours within our normal control window from 9:00 A.M. to 11:00 P.M. There is a maximum of 72 control hours each week with any Sunday control included in the maximum.

The 4th of July is also a possible control day up to 6 hours which will also be included in the 72 hours maximum control.

Mark Your Fields If crop spraying or applying pesticide

We strive to keep our linemen and meter technicians healthy and safe. Please help us by contacting our office

308-872-2451

or

888-749-2453

if chemicals are sprayed on your fields that might present a health hazard. Flagging the field entrance will also help alert anyone who may attempt to enter the field.

Irrigation Rates For 2018

Minimum Horsepower Charges	2017 Rate	2018 Rate
No Control	\$52.00 per HP	\$55.00 per HP
One-Day Control	\$49.50 per HP	\$49.50 per HP
Two-Day Control	\$46.50 per HP	\$46.50 per HP
Three-Day Control	\$44.50 per HP	\$44.50 per HP
Full-Control	\$36.00 per HP	\$37.50 per HP
Disconnected Line Retention	\$8.35 per HP	\$8.35 per HP

The Minimum Horsepower Charge Is Billed May 1st and is Due June 15th

Energy Charges	2017 Rate	2018 Rate
No Control	\$0.1822 per kWh	\$0.1855 per kWh
One-Day Control	\$0.0875 per kWh	\$0.0933 per kWh
Two-Day Control	\$0.0746 per kWh	\$0.0799 per kWh
Three-Day Control	\$0.0624 per kWh	\$0.0649 per kWh
Full-Control	\$0.0519 per kWh	\$0.0522 per kWh

The Energy Charge Is Billed October 15th and is Due November 15th

Are you tampering or bypassing load control?

Tampering with or bypassing of load management controls or associated equipment will not be tolerated; your service will be removed from the load control program and billed at the No Control rate for the entire irrigation season regardless of when found.

Help Us Serve You

Please have the following information before contacting Custer PPD:

- Meter Number
- Account Number
- LCR Number

This helps us locate your account quickly and accurately. It also helps us dispatch service personnel to the correct location.

HORSEPOWER - KW - RUNNING HOURS

The electric industry talks in kW terms while irrigators talk in horsepower. Ever wonder how one equates to the other? Do you ever want to figure out your irrigation running hours? Keep reading to find out the answers to both these questions.



First, I want to define a few terms:

Horsepower = mechanical unit of measurement

kW (demand) = electrical unit of measurement; a snapshot in time showing how much power is required at that moment.

How to convert kw to hp

$$Hp = \frac{kw * 1000}{746}$$

Example : Ans :

kw = 7.5 Hp = $\frac{kw * 1000}{746}$

HP = ? = $\frac{7.5 * 1000}{746}$

 = 10.05

So how do they all relate to each other?
1 horsepower = .746 kW and kW x hours = kWh

We know that every motor is unique, so the nameplate horsepower is not necessarily the actual horsepower during operation. So my explanation only gives a rough estimate of running hours. The two bits of information needed is horsepower and total energy. You can find your energy off the November irrigation statement. Once you have those two pieces then we work the formulas.

Example: 100 horsepower well used 65,525 kWh during an irrigation season

100 x .746 = 74.6 65,525/74.6 = 878 hours of operation.

This spreadsheet is a cheat sheet using some common horsepower converted into kW.

Horsepower (HP)	kilo-watt (kW)
10	7
20	15
30	22
40	30
50	37
75	56
100	75
125	93
150	112
200	149
250	186
300	224



Important Irrigation Dates to Remember

April 1st	Deadline for irrigation rate change requests.
May 1st	Bill for Minimum Horsepower Charges will arrive.
June 15th	Deadline for payment of Minimum Horsepower Charges.
October 15th	Bill for summer kWh irrigation usage will arrive.

Check Before You Call



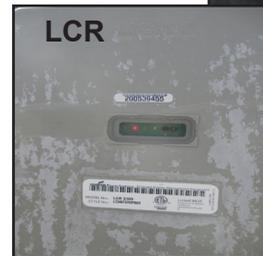
Ask Yourself:

1. Is the road kill switch on "Off"?
2. Is the road disconnect off?
3. Did I check reset buttons?
4. Are all switches in correct operation positions?
5. Did I check fusing?
6. Will the well or pivot run independently of each other?

Please Call If:

1. The Meter or Transformer pole has:
 - A fuse blown or hanging down
 - Any deceased animals found on top or below
 - Noticeable lightning damage
2. The display on the meter is blank
3. LCR has no lights
4. If your well is running on its designated control day

Please be near the meter site when calling in to help speed up the process to restore normal operation.



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