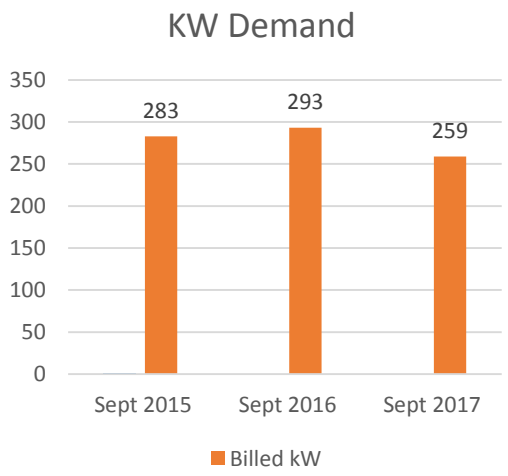
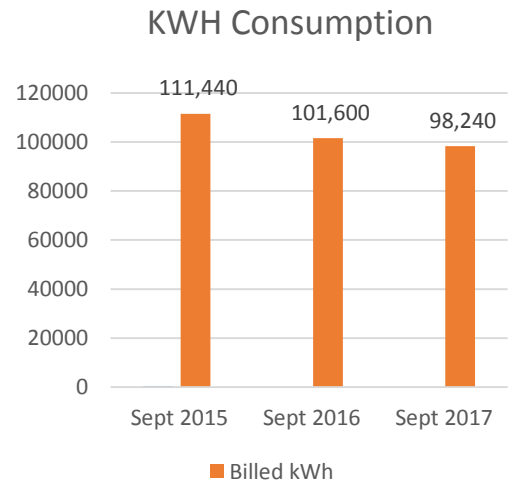
With and Without MPTS

	Read Date	Billed kW
Without MPTS	Sept 2015	283
Without MPTS	Sept 2016	293
With MPTS	Sept 2017	259

Read Date	Billed KWH
Sept 2015	111,440
Sept 2016	101,600
Sept 2017	98,240

Read Date	Billing Days
Sept 2015	30
Sept 2016	30
Sept 2017	33





August – Year over Year comparison

Pwr Fac Adj (or Power Factor Adjustment)

When a customer's power factor is less than 90 percent (0.90), as measured under actual load conditions, Idaho Power may adjust the kW demanded that month to reflect the extra volts-amperes generated in order to meet that demand. The adjusted demand is figured by multiplying the measured kW (as shown on the meter) by 90 percent, and dividing by the customer's unique power factor.

Time of Use (TOU) Rates

A rate system for customers, designed to reflect the higher energy costs during the peak months of the year (see Seasonal Rates) and hours of the day.

Both the energy charge and the demand charge (see Rate Schedule) may vary by hour and month.

For a more comprehensive definition of time-of-use billing, contact us.

Watt

The practical unit of power defined as the rate at which energy is delivered or consumed. The basic unit for measuring the power used by an electrical device.

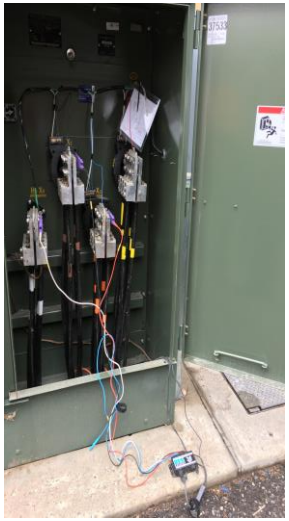







YA 1
500
12470 PRIMARY
CAUTION
480
VOLTS







Utility measurements at the Transformer





With and Without MPTS

	Channel 1	Channel 2	Channel 3
RMS Voltage	279.90 V	276.80 V	278.60 V
RMS Current	241.00 A	229.00 A	238.00 A
Real Power	58.2 kW	52.8 kW	57.4 kW
Reactive Power	-32.2 kVAR	-33.4 kVAR	-31.6 kVAR
Apparent Power	67.4 kVA	63.2 kVA	66.4 kVA
Phase Angle	-29.00 °	-32.00 °	-28.00 °
Power Factor	0.86	0.83	0.86
Displacement Power Factor	0.87	0.84	0.87

Current Range: 1000 Amps Hookup: Wye

Without MPTS

	Channel 1	Channel 2	Channel 3
RMS Voltage	281.60 V	278.50 V	280.30 V
RMS Current	229.00 A	206.00 A	198.00 A
Real Power	63.4 kW	56.4 kW	54.6 kW
Reactive Power	2 kVAR	-7.6 kVAR	0.8 kVAR
Apparent Power	64.4 kVA	57.2 kVA	55.4 kVA
Phase Angle	2.00 °	-7.00 °	1.00 °
Power Factor	0.98	0.98	0.98
Displacement Power Factor	1.00	0.99	1.00

Current Range: 1000 Amps Hookup: Wye

With MPTS