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Xcel Energy

Docket No.: EL17-019

Response To: South Dakota Public
Utilities Commission

Data Request No. 1-1

Requestor: Darren Kearney

Date Received: September 29, 2017

Question:

For the Peak and Energy Control program, please provide the number of hours interruptible load was called on in 2016 and how the energy savings associated with program was calculated.

Response:

The Peak and Energy Control program consists of two programs: (1) Peak Control Services and (2) Energy Control Services. The Company conducted a test event in 2016 to verify customer control for the Peak Control Services program. Energy Control Service customers were not controlled as part of this test since they are regularly required to provide control details to the Company and have been called more frequently than those on the Peak Control Services program. We note that these tests have been discontinued beginning in the summer of 2017.

In 2016, the Peak Control Service program called two one-hour events. These events were conducted on the following days:

- January 19, 2016 –Peak Control Groups 1, 2 & 3 were called for one hour; and
- July 19, 2016—Peak Control Groups 1, 2 & 3 were called for one hour.

The energy savings for our 2016 program year were calculated using specific customer kW values customers pledge to shed during an event within their customer contract. These values are calculated off of incremental customer participation and do not include savings associated with historical participants (those beginning participation prior to 2016). Further, energy savings are not based on control events conducted within this 2016 annual timeframe, rather the Company uses a historical average. We also take into account that MISO has the ability to control these programs up to 20 hours a year.

The 2016 value used a total of 17.70 hours per year. Therefore, the calculation is as follows:

Customer kWh Saved = Customer kW x 17.70 hours

(Whereas Customer kW is the minimum load the customer pledges to shed during an event and can vary from site to site.)

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