

- Not Public Document – Not For Public Disclosure
- Public Document – Not Public Data Has Been Excised
- Public Document

Xcel Energy Data Request No. 4-1
Docket No.: EL19-019
Response To: South Dakota Public Utilities Commission
Requestor: Eric Paulson
Date Received: November 14, 2019

Question:

Refer to page 7 of the Letter and Petition, and refer to Attachment A page 1. Explain how the company can have kW and kWh savings when no control events were called.

Response:

The kW and kWh savings for the 2018 Electric Rate Savings (ERS) program were calculated using specific customer kW values customers pledge to shed during an event within their specific customer contract. These values are calculated off of incremental customer participation and do not include savings associated with historical participants. For comparison, the Company has claimed 11 kW as part of our 2018 DSM filing while our portfolio of ERS customers has approximately 32 MW of controllable load during an event. The benefits derived from the kW savings are avoided generation and transmission and distribution build (as shown in the 2018 cost-benefit analysis). These benefits are achieved by including these reductions of kW in the planning process for these assets and are detached from the number of control events.

Energy savings claimed for DSM are also independent of the number of control events conducted within a single year. Historical averages of actual control events are used along with contractual language by the customer to be available for up to 20 hours a year for MISO controlled events. The ERS program participation is assigned a five-year lifetime assumption and the historical average of actual control events is the best estimate of the energy savings over this lifetime, even though individual years may not match this historical average such as in 2018.

The 2018 value used a total of 17.70 hours per year. Therefore, the calculation is as follows:

Gross Annual kWh Saved at Customer = Gross kW Saved at Customer x 17.70 hours

(Where Gross kW Saved at Customer is the minimum load the customer pledges to shed during an event and can vary by site.)

Preparer: Jessica Peterson
Title: Sr. Regulatory Analyst
Department: Customer Solutions
Telephone: 612.330.6850
Date: November 19, 2019