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Xcel Energy

Docket No.: EL18-023

Response To: South Dakota Public Utilities Commission Data Request No. 1-4

Requestor: South Dakota Public Utilities Commission Staff

Date Received: September 27, 2018

Question:

Refer to Attachment A page 1 of 10, explain why the Business Lighting Efficiency had such a high “% of Goal” for participation yet achieved less than projected kW savings goal for 2017.

Response:

There are two reasons in which the “% of Goal” for participation achieved less than projected kW savings goal for 2017.

First, different methodologies were used over the years to calculate the participants for the Business Lighting program. As a result, the 2017 Participant Goal (developed in early 2016) differs from how we would calculate today; therefore impacting the overall “% of Goal” in Attachment A page 1. Table 1 provides the corrected numbers illustrating the difference between participants (one customer) and units (most participants place more than one bulb in a building).

Table 1: Percent of Business Lighting Efficiency Actual versus Goal

	kW Savings	% of Goal based on Actual Results (11,748 Units)
2017 Projected kW Savings (Original as Filed Participant Number)	2,140	548%
2017 Projectd kW Savings (Corrected Unit Numbers)	18,500	63%

In fact, as noted in Discovery Request No. 9, from 2017, and included as Attachment A to this response, we anticipated a forecast of 18,500 units for 2017 and as predicted we fell short of this forecast.

Another impact to these percentages include the fact that kW savings differ by the type of technology installed. Outdoor lighting, for example, may not yield any kW savings, but has a significant amount of energy savings. These units count as part of our overall achievement and will impact the final results in any given year. As noted in Discovery Request No. 3, the Company provided several rebates for technologies such as exterior wall packs. This mix of technologies also impacted the number of units achieved and increased our “% of Goal”.

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