

South Dakota Public Utilities Commission
Docket GE17-001
MidAmerican Energy Company
First Data Request

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Please refer to Exhibit C, page 1 of 6: What circumstances created a TRC Test Score of 0.83 for the Residential Load Management Program? Did air conditioners not need to be cycled as much as forecasted in 2016?

Response:

In general, the South Dakota energy efficiency plan assumes that air conditioners in the Residential Load Management program are cycled three days during the summer. Recent experience shows that air conditioner-cycling days are fewer than that. In 2016, the Residential Load Management program was activated one day. This reduces the energy savings available from the program, which in turn reduces the TRC test score. In addition, MidAmerican has implemented a permanent meter sample across the system which it uses to more directly estimate savings from the Residential Load Management program in all three states where the program operates. Peak demand savings as estimated from this metering sample are approximately 25% less than assumed in the original plan, which also reduces the TRC test score.