

Ms. A. Shonta Dunston
 Chief Clerk, North Carolina Utilities Commission
 4325 Mail Service Center
 Raleigh, North Carolina 27699-4300

Re: NCUC Technical Conference Energy Efficiency (EE) / Demand-Side Management (DSM) Cost Recovery Mechanism

Docket No. E-2, Sub 931

Dear Ms. Dunston:

During the Technical Conference, Commissioner McKissick asked Mr. Enterline if Ameren Missouri has been meeting its goals under its mechanism. The answer(s) is summarized below.

1. For the demand response portfolio, Ameren met its MW goals in three out of the past four years, but fell short of its MWh goals in all four years.¹
2. For the energy efficiency portfolios (income eligible, residential and business), the results have been mixed over the years, as indicated in the following table.

Ameren Missouri Annual EM&V Reports: % of Portfolio Savings Goal²

Year	Income Eligible Portfolio	Residential Portfolio	Business Portfolio
2019	<ul style="list-style-type: none"> • Energy Savings: 26-117% • Demand Savings: 10-169% 	<ul style="list-style-type: none"> • Energy Savings: 106% • Demand Savings: 54-108% 	<ul style="list-style-type: none"> • Energy Savings: 107% • Demand Savings: 0-124%
2020	<ul style="list-style-type: none"> • Energy Savings: 91% • Demand Savings: 59-169% 	<ul style="list-style-type: none"> • Energy Savings: 130% • Demand Savings: 77-484% 	<ul style="list-style-type: none"> • Energy Savings: 79% • Demand Savings: 4-113%
2021	<ul style="list-style-type: none"> • Energy Savings: 65% • Demand Savings: 23-182% 	<ul style="list-style-type: none"> • Energy Savings: 132% • Demand Savings: 76-296% 	<ul style="list-style-type: none"> • Energy Savings: 71% • Demand Savings: 8-112%
2022	<ul style="list-style-type: none"> • Energy Savings: 98% • Demand Savings: 80% 	<ul style="list-style-type: none"> • Energy Savings: 75% • Demand Savings: 92% 	<ul style="list-style-type: none"> • Energy Savings: 82.5% • Demand Savings: 82.5%

The reason for the ranges in demand savings is that there are multiple demand savings goals. The demand savings goals are based on both first-year and last-year savings. Furthermore, the last-year demand savings goals are broken down into three ranges: 10 years, 11-15 years, and 15+ years.

¹ Ameren Missouri Program Year 2022 Annual EM&V Report, Volume 1: Portfolio Impact Summary, Figure 1, Page 10 , <https://www.efis.psc.mo.gov/Document/Display/17590>

² Ameren's annual EM&V reports can be found at the following links. <https://www.efis.psc.mo.gov/Document/Display/15877>, <https://efis.psc.mo.gov/Document/Display/15879>, <https://efis.psc.mo.gov/Document/Display/13829>, <https://efis.psc.mo.gov/Document/Display/9242>, <https://efis.psc.mo.gov/Document/Display/9242>

In addition, Commissioner Hughes asked if other states measure non-energy benefits such as carbon. Mr. Enterline replied that the New England states conduct a study every three years that quantifies these values. The study is known as the Avoided Energy Supply Components³ (AESC) report, and it includes annual values for two “non-embedded environmental costs”, including carbon and nitrous oxides. A link to the 2021 study is included in the footnotes.

RAP appreciated the opportunity to participate in the Technical Conference. Please let us know if we can be of further assistance.

Sincerely,

Shawn Enterline

Shawn Enterline
Sr. Associate

³ Avoided Energy Supply Components in New England: 2021 Report, Synapse Energy Economics et. al. (2021), page 172, <https://www.synapse-energy.com/project/aesc-2021-materials>