

**Docket Number:** NG25-001  
**Subject Matter:** First Data Request  
**Request to:** Montana-Dakota Utilities Co. (MDU or Company)  
**Request from:** South Dakota Public Utilities Commission Staff  
**Date of Request:** January 31, 2025  
**Responses Due:** February 14, 2025

- 1-4. Refer to page 5 of MDU’s letter. MDU determined the projected 2025 portfolio to be cost-effective using projected gas costs for the year 2025 and provides anticipated participation levels based on the approved three-year portfolio.
- a) Provide the cost-effectiveness analysis performed for the projected 2025 portfolio.
  - b) Does MDU anticipate the 2025 portfolio will be cost-effective if participation levels remain about the same as the actual participation levels realized in 2024? Explain.
  - c) How do projected gas costs for 2025 compare to those projected in 2024, and actual 2024 gas costs?

**Response:**

- a. Please see the table below which shows the cost-effectiveness analysis for the projected 2025 portfolio.

Program	Customer Class	RIM	Utility	Societal	Participant	Total Resource Cost
Total Portfolio		1.52	3.68	3.87	4.10	1.98
Furnace (95+% ) - New	Residential	1.11	2.14	4.08	4.13	1.97
Furnace (95+% ) - Replacement	Residential	1.42	3.68	3.83	4.36	1.93
Programmable Thermostats - Tier 1	Residential	1.63	5.25	4.85	5.18	2.83
Programmable Thermostats - Tier 2	Residential	1.38	3.32	2.47	2.93	1.45
Furnace (95+% ) - New	Commercial	1.27	1.70	3.24	3.04	1.56
Furnace (95+% ) - Replacement	Commercial	2.06	3.46	3.19	2.33	1.54
Custom Efficiency	Commercial	3.09	7.75	6.21	4.64	3.29

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**1-4 Response continued:**

- b. Yes, please see the table below using the 2024 participation levels in the projected 2025 portfolio.

Program	Customer Class	RIM	Utility	Societal	Participant	Total Resource Cost
Total Portfolio		1.28	2.79	3.66	4.31	1.86
Furnace (95+% ) - New	Residential	0.96	1.65	3.82	4.35	1.84
Furnace (95+% ) - Replacement	Residential	1.27	2.86	3.71	4.46	1.87
Programmable Thermostats - Tier 1	Residential	1.51	4.13	4.71	5.31	2.76
Programmable Thermostats - Tier 2	Residential	1.23	2.58	2.40	3.03	1.41
Furnace (95+% ) - New	Commercial	1.88	3.04	7.06	6.12	3.38
Furnace (95+% ) - Replacement	Commercial	3.04	7.54	8.67	5.91	4.18
Custom Efficiency	Commercial	0.00	0.00	0.00	0.00	0.00

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**1-4 Response continued:**

- c. Please see the tables below. Table 1 includes projected 2024 gas costs and Table 2 includes actual 2024 gas costs in the projected 2025 portfolio.

**Table 1:**

Program	Customer Class	RIM	Utility	Societal	Participant	Total Resource Cost
Total Portfolio		1.42	3.44	3.70	4.10	1.86
Furnace (95+%) - New	Residential	1.04	2.00	3.89	4.13	1.84
Furnace (95+%) - Replacement	Residential	1.32	3.44	3.67	4.36	1.82
Programmable Thermostats - Tier 1	Residential	1.52	4.91	4.63	5.18	2.64
Programmable Thermostats - Tier 2	Residential	1.29	3.10	2.36	2.93	1.36
Furnace (95+%) - New	Commercial	1.19	1.58	3.09	3.04	1.46
Furnace (95+%) - Replacement	Commercial	1.92	3.23	3.04	2.33	1.44
Custom Efficiency	Commercial	2.89	7.25	5.92	4.64	3.07

**Table 2:**

Program	Customer Class	RIM	Utility	Societal	Participant	Total Resource Cost
Total Portfolio		1.29	3.11	3.48	4.10	1.70
Furnace (95+%) - New	Residential	0.94	1.81	3.63	4.13	1.66
Furnace (95+%) - Replacement	Residential	1.20	3.11	3.45	4.36	1.68
Programmable Thermostats - Tier 1	Residential	1.38	4.46	4.33	5.18	2.40
Programmable Thermostats - Tier 2	Residential	1.17	2.82	2.21	2.93	1.24
Furnace (95+%) - New	Commercial	1.07	1.43	2.88	3.04	1.32
Furnace (95+%) - Replacement	Commercial	1.74	2.93	2.83	2.33	1.30
Custom Efficiency	Commercial	2.62	6.57	5.53	4.64	2.78