

OTTER TAIL POWER COMPANY

Docket No: EL25-021

Response to: SD Public Utilities Commission

Analyst: Pat Steffensen

Date Received: May 27, 2025

Date Due: June 10, 2025

Date of Response: June 02, 2025

Responding Witness: Cristina Zuniga, Supervisor, DSM Administration - 218-739-8240

Data Request:

Refer to the Residential Heat Pump charts on pages 7 and 8 of the Status Report. Provide similar charts showing participation, budget/cost, energy savings, and demand savings information for the measures within this group, including the Energy Star A/C, Buffer Tank/Desuperheater, Quality Installation, and Equipment Tune-Ups measures that were new in 2024.

Attachments: 0Response:

PARTICIPATION AND BUDGET – 2024			
Energy Star A/C	Actual	Proposed	% of Goal
Participation	3	4	75%
Rebate Budget	\$300	\$400	75%

Energy Star A/C	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	2,135	2,426	88%
Demand Savings – kW Summer Coincident Peak	4.247	3.642	117%

PARTICIPATION AND BUDGET – 2024			
Energy Star A/C Tune - Up	Actual	Proposed	% of Goal
Participation	4	10	40%
Rebate Budget	\$300	\$750	40%

Energy Star A/C Tune - Up	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	922	2,304	40%
Demand Savings – kW Summer Coincident Peak	1.906	4.204	45%

PARTICIPATION AND BUDGET – 2024			
Quality Installation - A/C	Actual	Proposed	% of Goal
Participation	1	4	25%
Rebate Budget	\$50	\$200	25%

Quality Installation - A/C	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	122	457	27%
Demand Savings – kW Summer Coincident Peak	0.141	0.706	20%

PARTICIPATION AND BUDGET – 2024			
Air Source Heat Pump - Ductless	Actual	Proposed	% of Goal
Participation	2	5	40%
Rebate Budget	\$1,500	\$9,000	17%

Air Source Heat Pump - Ductless	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	20,682	94,395	22%
Demand Savings – kW Summer Coincident Peak	2.362	8.541	28%

PARTICIPATION AND BUDGET – 2024			
Air Source Heat Pump - Ducted	Actual	Proposed	% of Goal
Participation	4	15	27%
Rebate Budget	\$3,450	\$9,000	38%

Air Source Heat Pump - Ducted	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	48,320	106,626	45%
Demand Savings – kW Summer Coincident Peak	3.922	9.634	41%

PARTICIPATION AND BUDGET – 2024			
Cold Climate Heat Pump - Ductless	Actual	Proposed	% of Goal
Participation	15	15	100%
Rebate Budget	\$13,375	\$22,000	61%

Cold Climate Heat Pump - Ductless	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	164,200	203,983	80%
Demand Savings – kW Summer Coincident Peak	18.576	16.536	112%

PARTICIPATION AND BUDGET – 2024			
Cold Climate Heat Pump - Ducted	Actual	Proposed	% of Goal
Participation	36	20	180%
Rebate Budget	\$76,300	\$42,000	182%

Cold Climate Heat Pump - Ducted	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	632,051	265,798	238%
Demand Savings – kW Summer Coincident Peak	57.256	21.849	262%

PARTICIPATION AND BUDGET – 2024			
Quality Installation - Heat Pumps	Actual	Proposed	% of Goal
Participation	17	40	43%
Rebate Budget	\$8,850	\$8,000	111%

Quality Installation - Heat Pumps	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	24,798	22,416	111%
Demand Savings – kW Summer Coincident Peak	3.149	3.09	102%

PARTICIPATION AND BUDGET – 2024			
Heat Pump Tune-Up	Actual	Proposed	% of Goal
Participation	0	10	0%
Rebate Budget	\$0	\$1,500	0%

Heat Pump Tune-Up	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	0	14,341	0%
Demand Savings – kW Summer Coincident Peak	0	3.366	0%

PARTICIPATION AND BUDGET – 2024			
Air to Water Heat Pump	Actual	Proposed	% of Goal
Participation	0	1	0%
Rebate Budget	\$0	\$4,800	0%

Air to Water Heat Pump	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	0	25,097	0%
Demand Savings – kW Summer Coincident Peak	0	0	0%

PARTICIPATION AND BUDGET – 2024			
Geothermal Heat Pump	Actual	Proposed	% of Goal
Participation	0	7	0%
Rebate Budget	\$0	\$26,950	0%

Geothermal Heat Pump	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	0	176,676	0%
Demand Savings – kW Summer Coincident Peak	0	20.949	0%

PARTICIPATION AND BUDGET – 2024			
Pre- Heating/Buffer -Tank Heater	Actual	Proposed	% of Goal
Participation	0	5	0%
Rebate Budget	\$0	\$500	0%

Pre- Heating/Buffer -Tank Heater	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	0	4,239	0%
Demand Savings – kW Summer Coincident Peak	0	0.552	0%