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 Commercial Heat Pump charts on pages 11 and 12 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 Buffer Tank/Desuperheater and Quality Installation measures that were new in 2024.

Attachments: 0

Response:

PARTICIPATION AND BUDGET – 2024			
Quality Installation - HP	**Actual**	**Proposed**	**% of Goal**
Participation*	8	40	20%
Rebate Budget	$6,800	$8,000	85%

Quality Installation - HP	**Actual Savings at the Generator**	**Proposed Savings at the Generator**	**% of Goal**
Energy Savings – kWh	19,054	22,416	85%
Demand Savings – kW Summer Coincident Peak	2.627	3.09	85%

PARTICIPATION AND BUDGET – 2024			
Cold Climate Heat Pump - Ducted	**Actual**	**Proposed**	**% of Goal**
Participation*	12	15	80%
Rebate Budget	$35,350	$26,250	135%

Cold Climate Heat Pump - Ducted	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	234,498	166,132	141%
Demand Savings – kW Summer Coincident Peak	18.638	13.705	136%

PARTICIPATION AND BUDGET – 2024			
Cold Climate Heat Pump - Ductless	**Actual**	**Proposed**	**% of Goal**
Participation*	4	5	80%
Rebate Budget	$3,500	$6,250	56%

Cold Climate Heat Pump - Ductless	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	32,712	56,662	58%
Demand Savings – kW Summer Coincident Peak	2.916	4.568	64%

PARTICIPATION AND BUDGET – 2024			
Geothermal Heat Pump	**Actual**	**Proposed**	**% of Goal**
Participation*	13	10	130%
Rebate Budget	$38,625	$54,000	72%

Geothermal Heat Pump	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	263,925	328,902	80%
Demand Savings – kW Summer Coincident Peak	30.897	34.209	90%

PARTICIPATION AND BUDGET – 2024			
Air to Water Heat Pump	**Actual**	**Proposed**	**% of Goal**
Participation*	0	1	0%
Rebate Budget	$0	$2,400	0%

Air to Water Heat Pump	Actual Savings at the Generator	Proposed Savings at the Generator	% of Goal
Energy Savings – kWh	0	9,817	0%
Demand Savings – kW Summer Coincident Peak	0	0	0%

PARTICIPATION AND BUDGET – 2024			
Air Source Heat Pump - Ducted	**Actual**	**Proposed**	**% of Goal**
Participation*	0	15	0%
Rebate Budget	$0	$11,250	0%

Air Source Heat Pump - Ducted	**Actual Savings at the Generator**	**Proposed Savings at the Generator**	**% of Goal**
Energy Savings – kWh	0	133,283	0%
Demand Savings – kW Summer Coincident Peak	0	12.067	0%

PARTICIPATION AND BUDGET – 2024			
Air Source Heat Pump - Ductless	**Actual**	**Proposed**	**% of Goal**
Participation*	0	5	0%
Rebate Budget	$0	$6,250	0%

Air Source Heat Pump - Ductless	**Actual Savings at the Generator**	**Proposed Savings at the Generator**	**% of Goal**
Energy Savings – kWh	0	39,331	0%
Demand Savings – kW Summer Coincident Peak	0	3.526	0%

PARTICIPATION AND BUDGET – 2024			
Pre- Heating Water Heater	**Actual**	**Proposed**	**% of Goal**
Participation*	0	6	0%
Rebate Budget	$0	$600	0%

Pre- Heating Water Heater	**Actual Savings at the Generator**	**Proposed Savings at the Generator**	**% of Goal**
Energy Savings – kWh	0	5,087	0%
Demand Savings – kW Summer Coincident Peak	0	0.662	0%