

Appendix A

Tables

SOUTH DAKOTA ENERGY EFFICIENCY PLAN - 2025
Otter Tail Power Company
Status Report

	Costs			Participation			Energy Savings			Demand Savings		
	Proposed Budget*	Actual Expenses	% of Budget	Proposed Participants*	Actual Participants	% of Goal	Proposed Energy Savings (kWh)*	Actual Energy Savings (kWh)	% of Goal	Proposed Summer Coincident kW Savings*	Actual Summer Coincident kW Savings	% of Goal
Residential												
Air Conditioning Control	\$8,250	\$3,146	38%	725	672	93%	30,141	27,942	93%	502.4	465.7	93%
Residential Heat Pumps	\$153,000	\$108,015	71%	137	85	62%	918,760	701,273	76%	93.1	73.6	79%
Home Lighting	\$25,750	\$26,677	104%	5,411	3,535	65%	86,818	157,122	181%	7.7	10.5	136%
Smart Thermostats	\$8,000	\$4,063	51%	40	13	33%	49,782	13,837	28%	1.5	0.9	60%
Total - Residential	\$195,000	\$141,902	73%	6,313	4,305	68%	1,085,501	900,173	83%	604.8	550.7	91%
											477.1	
Commercial												
Drive Power	\$80,000	\$139,455	174%	165	427	259%	3,428,036	2,853,428	83%	433.5	332.3	77%
Custom Efficiency Grants	\$59,000	\$749	1%	4	0	0%	286,910	0	0%	35.3	0.0	0%
Commercial Direct Install	\$13,000	\$6,167	47%	643	138	21%	48,638	10,796	22%	7.2	1.3	18%
Commercial Heat Pumps	\$132,000	\$119,126	90%	97	61	63%	761,629	721,793	95%	71.8	54.4	76%
Commercial Lighting	\$115,000	\$67,097	58%	70	69	99%	2,355,018	1,893,243	80%	312.4	266.5	85%
Total - Commercial	\$399,000	\$332,594	83%	979	695	71%	6,880,231	5,479,259	80%	860.3	654.4	76%
Total - Direct Impact	\$594,000	\$474,496	80%	7,292	5,000	69%	7,965,732	6,379,432	80%	1,465.0	1,205.1	82%
Indirect Impact												
Advertising & Education	\$41,000	\$12,167	30%	525	286	54%						
Total - Indirect Impact	\$41,000	\$12,167	30%	525	286	54%						
Total - Without Development Costs	\$635,000	\$486,663	77%	7,817	5,286	68%	7,965,732	6,379,432	80%	1,465.0	1,205.1	82%
Development												
EEP Development	\$15,000	\$19,911	133%									
Total - Development	\$15,000	\$19,911	133%									
Total - All Programs (Including Development)**	\$650,000	\$506,573	78%	7,817	5,286	68%	7,965,732	6,379,432	80%	1,465.0	1,205.1	82%
Prior Year Tracker Ending Balance		\$119,981										
Carrying Costs		\$3,168										
Accounting Adjustment		\$0										
Prior Year Approved Incentive		\$195,000										
Total Recoverable with Carrying Costs & Incentive		\$824,722										
Recovered through rates - 12/31/25		(\$886,283)										
Balance - EEP Tracker - 12/31/25		(\$61,560)										

** Reflects the total 2025 Budget approved in Docket No. 23-019 in the November 09, 2023, Order.

SOUTH DAKOTA ENERGY EFFICIENCY PLAN - 2025
Otter Tail Power Company
Net Benefits

	Approved Savings, Costs, and Benefits				Actual Savings, Costs, and Benefits			
	Energy Savings (kWh)	Proposed Budget	Total Benefits	Utility Net Benefits	Energy Savings (kWh)	Actual Expenses	Total Benefits	Utility Net Benefits
Residential								
Air Conditioning Control	30,141	\$8,250	\$63,904	\$55,654	27,942	\$3,146	\$59,232	\$56,086
Residential Heat Pumps	918,760	\$153,000	\$459,125	\$306,125	701,273	\$108,015	\$343,444	\$235,428
Home Lighting	86,818	\$25,750	\$38,773	\$13,023	157,122	\$26,677	\$70,880	\$44,203
Smart Thermostats	49,782	\$8,000	\$15,836	\$7,836	13,837	\$4,063	\$3,859	(\$204)
Total - Residential	1,085,501	\$195,000	\$577,637	\$382,637	900,173	\$141,902	\$477,415	\$335,514
Commercial								
Drive Power	3,428,036	\$80,000	\$1,478,465	\$1,398,465	2,853,428	\$139,455	\$1,194,934	\$1,055,479
Custom Efficiency Grants	286,910	\$59,000	\$151,266	\$92,266	0	\$749	\$0	(\$749)
Commercial Direct Install	48,638	\$13,000	\$14,129	\$1,129	10,796	\$6,167	\$3,192	(\$2,975)
Commercial Heat Pumps	761,629	\$132,000	\$375,597	\$243,597	721,793	\$119,126	\$281,343	\$162,216
Commercial Lighting	2,355,018	\$115,000	\$1,016,223	\$901,223	1,893,243	\$67,097	\$849,945	\$782,848
Total - Commercial	6,880,231	\$399,000	\$3,035,680	\$2,636,680	5,479,259	\$332,594	\$2,329,414	\$1,996,819
Total - Direct Impact	7,965,732	\$594,000	\$3,613,318	\$3,019,318	6,379,432	\$474,496	\$2,806,829	\$2,332,333
Indirect Impact								
Advertising & Education		\$41,000	\$0	(\$41,000)		\$12,167	\$0	(\$12,167)
EEP Development - 2025		\$15,000	\$0	(\$15,000)		\$19,911	\$0	(\$19,911)
Total - Indirect Impact		\$56,000	\$0	(\$56,000)		\$32,077	\$0	(\$32,077)
Total - All Programs (Including Development)	7,965,732	\$650,000	\$3,613,318	\$2,963,318	6,379,432	\$506,573	\$2,806,829	\$2,300,256

Benefit/Cost Results
2025 SD EEP

Data discounted to 2025	AS FILED	ACTUAL 2025
	Utility Test	Utility Test
NPV Method: Midyear		
Discount Rates:	7.09%	7.09%
Benefit/Cost Ratio	5.56	5.54
Total Costs	\$650,000	\$506,573
Total Benefits	\$3,613,318	\$2,806,829
Net Benefits	\$2,963,318	\$2,300,256
Total Benefits:		
Utility Elec. Production Cost Credit	\$2,322,494	\$1,816,109
Utility Ancillary	\$0	\$0
Utility Generation Capacity Credit	\$1,046,726	\$810,632
Utility Transmission & Distribution Credit	\$267,349	\$180,088
Total Benefits	\$3,636,570	\$2,806,829
Total Costs:		
Utility Rebates Paid	\$473,500	\$379,744
Utility Fixed Admin Cost	\$176,500	\$126,829
Total Costs	\$650,000	\$506,573

SOUTH DAKOTA ENERGY EFFICIENCY PLAN - 2025

APPENDIX A, TABLE 4

Otter Tail Power Company

Lifetime Savings

	Energy Savings			Demand Savings		
	Proposed Energy Lifetime Savings (kWh)	Actual Energy Lifetime Savings (kWh)	% of Goal	Proposed Summer Coincident kW Savings	Actual Summer Coincident kW Savings	% of Goal
Residential						
Air Conditioning Control	30,141	27,942	93%	502.4	465.7	93%
Residential Heat Pumps	16,757,861	12,691,275	76%	93.1	73.6	79%
Home Lighting	1,489,322	2,972,982	200%	7.7	10.5	136%
Smart Thermostats	497,823	138,368	28%	1.5	0.9	60%
Total - Residential	18,775,148	15,830,567	84%	604.8	550.7	91%
Commercial						
Drive Power	51,420,536	42,801,416	83%	433.5	332.3	77%
Custom Efficiency Grants	5,738,200	0	0%	35.3	0.0	0%
Commercial Direct Install	420,707	100,184	24%	7.2	1.3	18%
Commercial Heat Pumps	13,068,952	10,826,902	83%	71.8	54.4	76%
Commercial Lighting	34,547,519	28,381,915	82%	312.4	266.5	85%
Total - Commercial	105,195,913	82,110,417	78%	860.3	654.4	76%
Total - Direct Impact	123,971,061	97,940,984	79%	1,465.0	1,205.1	82%
Indirect Impact						
Advertising & Education						
Total - Indirect Impact						
Total - Without Development Costs	123,971,061	97,940,984	79%	1,465.0	1,205.1	82%
Development						
EEP Development						
Total - Development						
Total - All Programs (Including Development)	123,971,061	97,940,984	79%	1,465.0	1,205.14	82%

SOUTH DAKOTA ENERGY EFFICIENCY PLAN - 2025
Otter Tail Power Company
Incentive Calculation

APPENDIX A, TABLE 5

Calculated Incentive Based on Pre-Year Inputs

1 Original EEP Expense Budget	\$650,000
2 Original EEP Expense Budget multiplied by 30%	\$195,000

Calculated Incentive Based on Post-Year Inputs

3 Actual EEP Expenses	\$506,573
4 Actual EEP Expenses multiplied by 30%	\$151,972

5 Financial Incentive: lesser of lines 2 and 4.	\$151,972
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SOUTH DAKOTA ENERGY EFFICIENCY PLAN - 2025
Otter Tail Power Company
EEP Tracker Account / Cost Recovery

APPENDIX A, TABLE 6

EEP AUTOMATIC RECOVERY MECHANISM		FILING DATE																
		May 1																
		2008/09	2010 Actual	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Actual	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Actual	2025 Actual
1	Estimated EEP Tracker Account Balance - end of prior year	\$27,487	(\$43,107)	(\$31,900)	\$45,767	\$134,194	\$110,115	\$111,762	\$77,456	(\$15,484)	\$24,284	(\$215)	\$70,604	\$204,311	\$413,363	\$234,062	\$43,994	\$119,981
2	Accounting Adjustments	\$0	(\$45)	\$45	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$51	(\$131)	\$0	\$0
3	True up from Previous Year (sum of lines 1 and 2)	\$27,487	(\$43,152)	(\$31,855)	\$45,767	\$134,194	\$110,115	\$111,762	\$77,456	(\$15,484)	\$24,284	(\$215)	\$70,604	\$204,311	\$413,413	\$233,931	\$43,994	\$119,981
4																		
5	EEP Program expenditures	\$252,677	\$243,816	\$272,093	\$309,911	\$281,549	\$351,483	\$371,902	\$362,330	\$463,357	\$493,353	\$715,984	\$760,590	\$927,005	\$525,883	\$547,680	\$654,261	\$506,573
6	Previous Year EEP Financial Incentives	\$0	\$47,130	\$73,145	\$78,900	\$84,000	\$84,000	\$105,445	\$105,900	\$105,900	\$134,700	\$134,700	\$209,700	\$209,700	\$278,101	\$157,500	\$157,500	\$195,000
7	EEP Carrying Charge	(\$726)	(\$6,503)	(\$4,286)	\$6,412	\$7,950	\$7,195	\$11,110	\$3,485	\$6,166	\$4,285	(\$2,275)	\$11,042	\$27,787	\$23,642	\$12,894	\$1,479	\$3,168
8	EEP Cost Recovery through EE Adjustment Factor	(\$322,545)	(\$278,190)	(\$263,330)	(\$306,796)	(\$397,578)	(\$441,030)	(\$522,763)	(\$564,655)	(\$535,655)	(\$656,837)	(\$777,590)	(\$847,625)	(\$955,440)	(\$1,006,977)	(\$908,011)	(\$737,253)	(\$886,283)
9	Recoverable Tracker Balance (Line 3 Plus Lines 5 thru 8)	(\$43,107)	(\$31,900)	\$45,767	\$134,194	\$110,115	\$111,762	\$77,456	(\$15,484)	\$24,284	(\$215)	\$70,604	\$204,311	\$413,363	\$234,062	\$43,994	\$119,981	(\$61,560)
10																		
11	SD Sales (KWH budget)																	
12	Conservation Surcharge (1)	\$0.00063	\$0.00063	\$0.00063	\$0.00088	\$0.00103	\$0.00103	\$0.00152	\$0.00114	\$0.00138	\$0.00155	\$0.00164	\$0.00195	\$0.00195	\$0.00195	\$0.00160	\$0.00134	\$0.00187
13	Estimated EEP Tracker Account Balances																	

(1) Effective for 12-month period July 1 through June 30

		2026 Budget
		Financial
		Incentive
1	Estimated EEP Tracker Account Balance - end of prior year	(\$61,560)
2	Accounting Adjustments	\$0
3	True up from Previous Year (sum of lines 1 and 2)	(\$61,560)
4		
5	EEP Program expenditures	\$650,000
6	Previous Year EEP Financial Incentives	\$151,972
7	Projected EEP Carrying Charge	(\$17,517)
8	EEP Cost Recovery through EE Adjustment Factor	(\$867,447)
9	Recoverable Tracker Balance (Line 3 Plus Lines 5 thru 8)	(\$144,551)
10		
11	SD Sales (KWH budget)	593,574,754
12	Conservation Surcharge (1)	\$0.00101
13	Estimated EEP Tracker Account Balances	

(1) Effective for 12-month period July 1 through June 30

Otter Tail Power Company
EEP TRACKER AND CALCULATION OF PROPOSED EEP

	January 2026	February 2026	March* 2026	April 2026	May 2026	June 2026	Total
1 Beginning of Period Balance	(\$61,560)	(\$149,583)	(\$226,501)	(\$298,419)	(\$306,054)	(\$365,242)	(\$61,560)
2 Monthly Carrying Charge rate	0.59%	0.59%	0.59%	0.59%	0.59%	0.59%	
3 Monthly Carrying Charge	(\$364)	(\$884)	(\$1,338)	(\$1,763)	(\$1,808)	(\$2,158)	(\$8,315)
4 EEP Program Charges	\$24,951	\$30,611	\$30,413	\$87,004	\$26,443	\$65,790	\$265,212
5 EEP Incentive	\$0	\$0	\$0	\$0	\$0	\$151,972	\$151,972
7 Less: Energy Efficiency Adjustment (EEP Revenue)	(\$112,610)	(\$106,646)	(\$100,992)	(\$92,876)	(\$83,823)	(\$83,105)	(\$580,053)
8 End of Period Balance	(\$149,583)	(\$226,501)	(\$298,419)	(\$306,054)	(\$365,242)	(\$232,744)	(\$232,744)
9 CURRENT EEP FACTOR (\$/kWh)	\$0.00187						
10 Projected sales (kWh)				49,632,944	44,795,320	44,411,630	

1. EEP TRACKER PROPOSED \$/kWh Method

	July 2026	August 2026	September 2026	October 2026	November 2026	December 2026	January 2027	February 2027	March 2027	April 2027	May 2027	June 2027	Total
1 Beginning of Period Balance	(\$232,744)	(\$244,651)	(\$265,534)	(\$270,691)	(\$263,996)	(\$279,741)	(\$144,551)	(\$149,583)	(\$226,501)	(\$298,419)	(\$306,054)	(\$365,242)	(\$232,744)
2 Monthly Carrying Charge Rate	0.59%	0.59%	0.59%	0.59%	0.59%	0.59%	0.59%	0.59%	0.59%	0.59%	0.59%	0.59%	
3 Monthly Carrying Charge	\$ (1,375.13)	\$ (1,445.48)	\$ (1,568.86)	\$ (1,599.33)	\$ (1,559.78)	\$ (1,652.80)	(\$854)	(\$1,063)	(\$1,222)	(\$1,359)	(\$1,150)	(\$1,268)	\$ (16,116.88)
4 EEP Program Charges	\$37,307	\$28,821	\$43,093	\$52,911	\$34,325	\$188,331	\$24,951	\$30,611	\$30,413	\$87,004	\$26,443	\$65,790	\$650,000
5 EEP Incentive	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$195,000	\$195,000
7 Less: Energy Efficiency Adjustment (EEP Revenue)	(\$47,840)	(\$48,258)	(\$46,681)	(\$44,617)	(\$48,510)	(\$51,488)	(\$59,384)	(\$56,513)	(\$52,454)	(\$50,181)	(\$45,300)	(\$44,914)	(\$596,140)
8 End of Period Balance	(\$244,651)	(\$265,534)	(\$270,691)	(\$263,996)	(\$279,741)	(\$144,551)	(\$179,838)	(\$206,802)	(\$230,066)	(\$194,602)	(\$214,608)	\$0	\$0
9 PROPOSED EEP FACTOR (\$ / kWh)	\$0.00101												
12 Projected sales (kWh)	47,342,586	47,756,322	46,195,457	44,153,415	48,005,472	50,952,517	58,767,093	55,925,305	51,908,894	49,658,944	44,828,822	44,447,082	589,941,909

*Actual data was used through March 2025