

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

APPENDIX A, TABLE 1
Revised

	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	712,680	78%	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	911,580	84%	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	6,390,839	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	6,390,839	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	6,390,839	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

APPENDIX A, TABLE 2
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Revised

	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	712,680	\$108,015	\$346,347	\$238,332
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	911,580	\$141,902	\$480,319	\$338,417
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	6,390,839	\$474,496	\$2,809,733	\$2,335,237
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	6,390,839	\$506,573	\$2,809,733	\$2,303,159

APPENDIX A, TABLE 2
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**Benefit/Cost Results
2025 SD EEP**

Data discounted to 2025	AS FILED Utility Test	ACTUAL 2025 Utility Test
NPV Method: Midyear		
Discount Rates:	7.09%	7.09%
Benefit/Cost Ratio	5.56	5.55
Total Costs	\$650,000	\$506,573
Total Benefits	\$3,613,318	\$2,809,733
Net Benefits	\$2,963,318	\$2,303,159
Total Benefits:		
Utility Elec. Production Cost Credit	\$2,322,494	\$1,819,012
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	\$2,809,733
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
Otter Tail Power Company
Benefit/Cost Ratios

APPENDIX A, TABLE 3
Revised

	Approved Budget Benefit / Cost Test Results					Actual Benefit / Cost Test Results				
	Utility Test	Total Resource Test	Ratepayer Impact Test	Societal Test	Participant Test	Utility Test	Total Resource Test	Ratepayer Impact Test	Societal Test	Participant Test
	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio	Ratio
Residential										
Air Conditioning Control	7.75	9.33	5.47	9.33	inf.	18.83	18.83	9.36	18.83	inf.
Residential Heat Pumps	1.51	1.13	0.29	1.31	5.86	3.21	1.39	0.34	1.85	5.66
Home Lighting	3.00	1.37	0.34	1.59	4.75	2.66	1.85	0.30	2.51	11.02
Smart Thermostats	1.98	1.73	0.32	1.87	7.91	0.95	0.87	0.24	1.01	7.11
Total - Residential	2.96	1.48	0.38	1.69	4.89	3.38	1.63	0.38	2.10	6.24
Commercial										
Drive Power	18.48	2.22	0.52	2.50	3.84	8.57	1.29	0.51	1.62	2.56
Custom Efficiency Grants	2.56	1.20	0.58	1.41	1.83	0.00	0.00	0.00	0.00	0.00
Commercial Direct Install	1.09	1.90	0.06	2.05	inf.	0.52	0.56	0.08	0.66	0.00
Commercial Heat Pumps	2.85	1.20	0.44	1.39	2.48	2.36	1.70	0.38	2.14	5.05
Commercial Lighting	8.84	2.80	0.52	3.15	5.11	12.67	3.86	0.51	4.87	8.07
Total - Commercial	7.61	2.05	0.49	2.32	3.83	7.00	1.76	0.48	2.22	3.76
Indirect Impact										
Advertising & Education	0.00	0.00	0.00	0.00	inf.	0.00	0.00	0.00	0.00	0.00
EEP Development - 2024	0.00	0.00	0.00	0.00	inf.	0.00	0.00	0.00	0.00	0.00
Total - Indirect Impact										
Total - All Programs	5.56	1.88	0.47	2.13	4.04	5.55	1.70	0.46	2.16	4.18

SOUTH DAKOTA ENERGY EFFICIENCY PLAN - 2025
Otter Tail Power Company
Lifetime Savings

APPENDIX A, TABLE 4
Revised

	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	12,833,363	77%	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	15,972,655	85%	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	98,083,072	79%	1,465.0	1,205.1	82%
Indirect Impact						
Advertising & Education						
Total - Indirect Impact						
Total - Without Development Costs	123,971,061	98,083,072	79%	1,465.0	1,205.1	82%
Development						
EEP Development						
Total - Development						
Total - All Programs (Including Development)	123,971,061	98,083,072	79%	1,465.0	1,205.14	82%