

SOUTH DAKOTA ENERGY EFFICIENCY PLAN - 2014
Otter Tail Power Company

DIRECT IMPACT PROJECTS	BUDGET	PROPOSED ENERGY SAVINGS (KWH)	PROPOSED DEMAND SAVINGS (KW)	MEASURE LIFE	LIFETIME PROPOSED ENERGY (kWh) SAVINGS	LIFETIME PROPOSED DEMAND (kW) SAVINGS	AVOIDED COSTS (BENEFITS)	NET BENEFITS
RESIDENTIAL								
Air Conditioning Control	\$14,000	1,448	21.3	15.0	21,713	319.7	\$56,340	\$42,340
Air Source Heat Pumps -Residential	\$19,000	222,277	6.5	12.0	2,667,319	77.5	\$110,176	\$91,176
Geothermal Heat Pumps -Residential	\$23,000	206,583	17.4	15.0	3,098,741	261.6	\$153,362	\$130,362
Lighting	\$4,000	24,098	2.2	9.4	225,504	20.2	\$12,017	\$8,017
Total -Residential	\$60,000	454,404	47.4		6,013,276	679.0	\$331,894	\$271,894
COMMERCIAL								
Air Source Heat Pumps -Commercial	\$13,000	134,044	3.9	12.0	1,608,529	46.6	\$69,498	\$56,498
Custom Efficiency Projects	\$71,000	968,760	134.6	15.0	14,531,400	2,018.3	\$849,744	\$778,744
Drive Power	\$63,000	482,713	104.8	15.0	7,240,696	1571.4	\$526,038	\$463,038
Geothermal Heat Pumps -Commercial	\$57,000	523,938	43.6	15.0	7,859,066	653.9	\$401,989	\$344,989
Lighting	\$54,000	244,790	75.0	11.7	2,865,564	877.6	\$266,419	\$212,419
Total -Commercial	\$258,000	2,354,244	361.8		34,105,255	5,167.7	\$2,113,689	\$1,855,689
Total -Direct Impact	\$318,000	2,808,649	409.1		40,118,531	5,846.7	\$2,445,583	\$2,127,583
INDIRECT IMPACT PROJECTS								
Advertising & Education	\$10,000							
Total - Indirect Impact	\$10,000							
Total - Without Development Costs	\$328,000	2,808,649	409.1					
DEVELOPMENT								
EEP DEVELOPMENT - 2010	\$25,000							
Total Development	\$25,000							
TOTAL - ALL PROGRAMS (INC. DEVL)	\$353,000	2,808,649	409.1		40,118,531	5,847	\$2,445,583	\$2,127,583

SOUTH DAKOTA ENERGY EFFICIENCY PLAN - 2015**Otter Tail Power Company**

DIRECT IMPACT PROJECTS	BUDGET	PROPOSED ENERGY SAVINGS (KWH)	PROPOSED DEMAND SAVINGS (KW)	MEASURE LIFE	LIFETIME PROPOSED ENERGY (kWh) SAVINGS	LIFETIME PROPOSED DEMAND (kW) SAVINGS	AVOIDED COSTS (BENEFITS)	NET BENEFITS
RESIDENTIAL								
Air Conditioning Control	\$14,000	1,448	21.3	15.0	21,713	319.7	\$59,712	\$45,712
Air Source Heat Pumps -Residential	\$19,000	222,277	6.5	12.0	2,667,319	77.5	\$119,503	\$100,503
Geothermal Heat Pumps -Residential	\$23,000	206,583	17.4	15.0	3,098,741	261.6	\$164,402	\$141,402
Lighting	\$4,000	24,098	2.2	9.4	225,504	20.2	\$13,171	\$9,171
Total -Residential	\$60,000	454,404	47.4		6,013,276	679.0	\$356,788	\$296,788
COMMERCIAL								
Air Source Heat Pumps -Commercial	\$13,000	134,044	3.9	12.0	1,608,529	46.6	\$75,392	\$62,392
Custom Efficiency Projects	\$71,000	968,760	134.6	15.0	14,531,400	2018.3	\$909,173	\$838,173
Drive Power	\$63,000	482,713	104.8	15.0	7,240,696	1571.4	\$561,767	\$498,767
Geothermal Heat Pumps -Commercial	\$57,000	523,938	43.6	15.0	7,859,066	653.9	\$431,030	\$374,030
Lighting	\$54,000	244,790	75.0	11.7	2,865,564	877.6	\$286,967	\$232,967
Total -Commercial	\$258,000	2,354,244	361.8		34,105,255	5,167.7	\$2,264,329	\$2,006,329
Total -Direct Impact	\$318,000	2,808,649	409.1		40,118,531	5,846.7	\$2,621,116	\$2,303,116
INDIRECT IMPACT PROJECTS								
Advertising & Education	\$10,000							
Total - Indirect Impact	\$10,000							
Total - Without Development Costs	\$328,000	2,808,649	409.1					
DEVELOPMENT								
EEP DEVELOPMENT - 2010	\$25,000							
Total Development	\$25,000							
TOTAL - ALL PROGRAMS (INC. DEVL)	\$353,000	2,808,649	409.1		40,118,531	5,847	\$2,621,116	\$2,303,116