

The Empire District Electric Company  
Standard Performance Values-Net to Gross By Measure  
EO-2012-0206

Demand-side Management Measure	Gross Savings			Net Savings		
	kW per Unit	kWh per Unit	NTG	kW per Unit	kWh per Unit	CF
Residential High Efficiency Lighting	0.057	62	65%	0.037	41	8%
ENERGY STAR Appliances:				0.023	89	41%
ENERGY STAR Clothes Washer	0.367	144	80%	0.293	115	4%
ENERGY STAR Refrigerator	0.012	106	80%	0.010	85	100%
ENERGY STAR Dehumidifier	0.131	213	80%	0.105	170	100%
ENERGY STAR Room Air Conditioner	0.097	115	80%	0.078	92	75%
ENERGY STAR Freezer	0.006	52	80%	0.005	42	100%
Smart Power Strip (7-plug)	0.012	103	80%	0.010	82	80%
Energy Star Fixture	0.094	103	80%	0.075	82	8%
LED	0.063	69	65%	0.005	88	8%
Refrigerator Recycling	0.220	1,376	69%	0.152	949	100%
High Efficiency Cooling Rebate:				<b>0.654</b>	<b>1,000</b>	<b>75%</b>
CAC SEER 15 ≤ 15.9	0.960	1,017	80%	0.768	814	75%
CAC SEER 16 ≤ 16.9	0.951	969	80%	0.761	775	75%
CAC SEER ≥17	1.113	1,248	80%	0.890	998	75%
HP SEER 15 ≤ 15.9	1.416	1,383	80%	1.133	1,106	75%
HP SEER 16 ≤ 16.9	1.350	1,635	80%	1.080	1,308	75%
HP SEER ≥17	1.317	1,755	80%	1.054	1,404	75%
Geothermal EER ≥17	1.317	1,755	80%	1.188	1,514	75%
Programmable Thermostat				0.50	948	75%
CAC SEER 15 to 15.9	0.384	452	80%	0.307	362	75%
CAC SEER 16 to 16.9	0.360	424	80%	0.288	339	75%
CAC SEER ≥17	0.339	399	80%	0.271	319	75%
HP SEER 15 to 15.9	1.180	1,873	80%	0.944	1,499	75%
HP SEER 16 to 16.9	1.354	1,844	80%	1.083	1,475	75%
HP SEER ≥17	1.358	1,818	80%	1.086	1,454	75%
Home Energy Comparison Reports				0.027	240	8%
Energy Star New Homes				0.349	3,061	100%
Home Performance with Energy Star Up to \$1,200				0.334	2,925	100%
Low Income Weatherization				0.234	2,052	100%
Low Income New Homes				0.234	2,052	100%
C&I Custom Rebate				9	25,028	85%
C&I Prescriptive Rebate:				3	11,903	85%
Fixtures (T12 to T8)	0.02	86	96%	0.02	82	
Exit Sign	0.03	120	96%	0.03	115	
HVAC (CAC)	1.01	2,489	94%	0.95	2,339	
Motor	0.15	430	87%	0.13	374	
VFD	5.80	35,533	87%	5.05	30,914	
Air Cooled Chiller	12.00	17,268	94%	11.28	16,232	
Building Operator Certificate				3.10	8,139	53%
Interruptible Service Rider				500		100%

The Empire District Electric Company  
Incentive Rate of Return for DSM Investment  
EO-2012-0206

**ER-2008-0093**

<u>Capital Structure</u>	<u>Ratio</u>	<u>Cost</u>	<u>Enhanced Weighted Cost</u>	<u>ER-2008-0093 Weighted Cost</u>
Long-term Debt	50.78%	6.75%	3.43%	3.43%
Preferred	4.58%	9.17%	0.42%	0.42%
Common Equity	44.65%	12.80%	5.72%	4.82%
Total			9.56%	8.67%
Income Tax Factor			1.623080	1.623080
Before Tax Rate of Return			15.52%	14.07%

Authorized	10.80%
Incentive	2.00%
Adjusted ROE	12.80%

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