

2015 Electric Cost-Effectiveness Tests:

WACC		7.80%	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Program Number	Program Name	Weighted Measure Life	kWh Savings	Program Overhead Costs	Total Incentive Payments	Customer Costs	Incremental Measure Costs	Other Contributions	Total Utility Costs	Total Resource Costs	Present Value of Total Utility Costs in Time Zero	Present Value of Total Resource Costs in Time Zero	Present Value kWh Savings In Time Zero	Present Value of Lifetime Non Energy Benefits in time Zero	Utility Cost Test: Benefit Cost Ratio	Total Resource Cost Test: Benefit Cost Ratio With Conservation Credit	
	Source/calculation								Program Overhead + Total Incentive	Program Overhead + Incremental Measure costs + Other Contributions	Total Utility Costs = (1 + Discount Rate) ^t	Total Resource Costs = (1 + Discount Rate) ^t	PV of 1 kWh * Number of kWh	SUM(-PV(Discount Rate, MeasureLife, Unit annual NEBs)*number of units)	Columns L + J	Columns ((L + 10%)+ M) + K	
Follow Below Hyperlinks for Program Details																	
E201	Low Income Weatherization	22	1,739,101	\$ 219,983	\$ 3,269,498	\$ -	\$ 2,748,898	\$ -	\$ 3,489,481	\$ 3,385,133	\$ 3,236,995	\$ 3,140,198	\$ 2,782,928	\$ 109,516.49	0.86	1.01	
E214	Residential Lighting	11	74,926,842	\$ 2,889,024	\$ 12,380,015	\$ 24,171,514	\$ 36,551,530	\$ -	\$ 15,269,039	\$ 39,440,553	\$ 14,164,229	\$ 36,586,784	\$ 46,960,234	\$ 0.00	3.32	1.41	
E214	Space Heat	18	8,008,681	\$ 256,606	\$ 3,833,705	\$ 5,768,902	\$ 9,602,607	\$ -	\$ 4,090,312	\$ 9,859,213	\$ 3,794,352	\$ 9,145,838	\$ 11,379,775	\$ -	3.00	1.37	
E215	Water Heat	15	910,507	\$ 48,552	\$ 455,205	\$ 286,767	\$ 741,972	\$ -	\$ 503,757	\$ 790,524	\$ 467,307	\$ 733,325	\$ 702,455	\$ 223.97	1.50	1.05	
E214	HomePrint	11	3,784,133	\$ 148,149	\$ 2,334,110	\$ -	\$ 2,241,155	\$ -	\$ 2,482,259	\$ 2,389,304	\$ 2,302,652	\$ 2,216,423	\$ 2,428,205	\$ 119,265.27	1.05	1.26	
E214	Home Appliances	11	7,529,689	\$ 744,463	\$ 4,202,593	\$ 1,395,383	\$ 5,597,976	\$ -	\$ 4,947,055	\$ 6,342,439	\$ 4,589,105	\$ 5,883,524	\$ 4,263,332	\$ 1,646,293.02	0.93	1.08	
E214	Showerheads Elect	10	2,507,406	\$ 114,111	\$ 225,879	\$ 398,937	\$ 624,815	\$ -	\$ 339,989	\$ 738,926	\$ 315,389	\$ 685,460	\$ 1,432,922	\$ 1,201,339.71	4.54	4.05	
E214	Weatherization Total (Wx. + MHDS)		7,989,306	\$ 381,538	\$ 2,658,874	\$ 3,968,766	\$ 6,624,083	\$ -	\$ 3,040,412	\$ 7,005,621	\$ 2,820,420	\$ 6,498,721	\$ 12,947,375	\$ 0	4.59	2.19	
E214	SF Weatherization	26	3,509,420	\$ 328,666	\$ 1,354,465	\$ 3,968,766	\$ 5,323,231	\$ -	\$ 1,683,131	\$ 5,651,897	\$ 1,561,346	\$ 5,242,947	\$ 6,603,783	\$ -	4.23	1.39	
E214	Mobile Home Duct Sealing	18	4,479,886	\$ 52,872	\$ 1,304,409	\$ -	\$ 1,300,852	\$ -	\$ 1,357,281	\$ 1,353,724	\$ 1,259,074	\$ 1,255,774	\$ 6,343,592	\$ -	5.04	5.56	
E214	Home Energy Reports	2	0	\$ 87,947	\$ 23,040	\$ -	\$ 23,040	\$ -	\$ 110,988	\$ 110,988	\$ 102,957	\$ 102,957	\$ -	\$ -	-	-	
E215	Single Family New Construction	0	0	\$ 28,743	\$ (350)	\$ -	\$ -	\$ -	\$ 28,393	\$ 28,743	\$ 26,338	\$ 26,663	\$ -	\$ -	-	-	
E215	EnergyStar Manufactured Home	0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	
E216	Fuel Conversion Rebate	30	1,173,000	\$ 169,746	\$ 310,606	\$ 682,894	\$ 993,500	\$ -	\$ 480,351	\$ 1,163,246	\$ 1,295,607	\$ 1,929,089	\$ 2,015,171	\$ -	1.56	1.15	
E217	Multifamily Existing	18	25,678,248	\$ 1,468,973	\$ 10,917,887	\$ 2,064,558	\$ 12,982,446	\$ -	\$ 12,386,860	\$ 14,451,419	\$ 11,490,594	\$ 13,405,769	\$ 26,475,290	\$ 8,106.86	2.30	2.17	
E218	Multifamily New Construction	14	1,517,734	\$ 268,882	\$ 523,229	\$ -	\$ 446,053	\$ -	\$ 792,111	\$ 714,935	\$ 734,797	\$ 663,205	\$ 1,101,803	\$ -	1.50	1.83	
	Total Residential Energy Management		135,764,647	\$ 6,826,717	\$ 41,134,291	\$ 38,737,721	\$ 79,178,075	\$ 0	\$ 47,961,008	\$ 86,421,044	\$ 45,340,743	\$ 81,017,956	\$ 112,489,489	\$ 3,084,745	2.48	1.57	
E250	Commercial/Industrial Retrofit	12	69,245,483	\$ 5,548,625	\$ 13,182,865	\$ 20,246,560	\$ 33,429,426	\$ -	\$ 18,731,491	\$ 38,978,051	\$ 17,376,151	\$ 36,157,747	\$ 45,741,328	\$ 0.00	2.63	1.39	
E251	Commercial/Industrial New Construction	14	14,261,642	\$ 285,261	\$ 2,615,398	\$ 801,068	\$ 3,416,466	\$ -	\$ 2,900,659	\$ 3,701,726	\$ 2,690,778	\$ 3,433,884	\$ 9,962,540	\$ 0.00	3.70	3.19	
E253	Resource Conservation Management	3	12,823,040	\$ 1,124,289	\$ 781,244	\$ -	\$ 697,973	\$ -	\$ 1,905,533	\$ 1,822,262	\$ 1,767,655	\$ 1,690,410	\$ 2,318,084	\$ 348,986.36	1.31	1.71	
E258	High Voltage Self Directed NON 449	15	4,635,950	\$ 391,376	\$ 2,270,851	\$ -	\$ 2,029,538	\$ -	\$ 2,662,227	\$ 2,420,914	\$ 2,469,598	\$ 2,245,746	\$ 3,397,816	\$ -	1.38	1.66	
E258	High Voltage Self-Directed 449	15	0	\$ 154,343	\$ 205,791	\$ -	\$ -	\$ -	\$ 360,134	\$ 154,343	\$ 334,076	\$ 143,175	\$ -	\$ -	-	-	
E261	Technology Evaluation		0	\$ 91,537	\$ -	\$ -	\$ -	\$ -	\$ 91,537	\$ 91,537	\$ 84,914	\$ 84,914	\$ -	\$ -	-	-	
E262	Business Rebates	8	15,273,888	\$ 948,935	\$ 3,561,102	\$ 2,320,533	\$ 5,881,635	\$ -	\$ 4,510,037	\$ 6,830,570	\$ 4,183,707	\$ 6,336,335	\$ 7,875,164	\$ 526,496	1.88	1.45	
	Total Business Energy Management		116,240,003	\$ 8,544,366	\$ 22,617,250	\$ 23,368,161	\$ 45,455,036	\$ -	\$ 31,161,616	\$ 53,999,403	\$ 28,906,879	\$ 50,092,210	\$ 69,294,932	\$ 875,482	2.40	1.54	
E249	Commercial Energy Report Pilot	1	5,000,000	\$ 133,210	\$ 10,000	\$ -	\$ 10,000	\$ -	\$ 143,210	\$ 143,210	\$ 132,848	\$ 132,848	\$ 318,502	\$ -	2.40	2.64	
E249R	Residential Home Energy Report Expansio	2	3,219,660	\$ 389,771	\$ 289,634	\$ -	\$ 289,634	\$ -	\$ 679,404	\$ 679,404	\$ 630,245	\$ 630,245	\$ 398,472	\$ -	0.63	0.70	
	Total Pilots		8,219,660	\$ 522,981	\$ 299,634	\$ 0	\$ 299,634	\$ 0	\$ 822,614	\$ 822,614	\$ 763,093	\$ 763,093	\$ 716,975	\$ -	0.94	1.03	
E245	Northwest Energy Efficiency Alliance	5	22,338,000	\$ 1,025,327	\$ 1,664,803	\$ -	\$ 1,664,803	\$ -	\$ 2,690,129	\$ 2,690,129	\$ 2,495,482	\$ 2,495,482	\$ 6,561,579	\$ -	2.63	2.89	
	Transmission & Distribution	15	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,484	\$ 5,484	\$ -	\$ -	\$ -	\$ -	-	-	
	Total Regional Programs		22,338,000	\$ 1,025,327	\$ 1,664,803	\$ -	\$ 1,664,803	\$ -	\$ 2,690,129	\$ 2,695,613	\$ 2,495,482	\$ 2,500,569	\$ 6,561,579	\$ -	2.63	2.89	
	Customer Engagement & Education								\$ 1,070,200	\$ 1,070,151	\$ 992,764	\$ 992,719					
	Energy Advisors								\$ 696,652	\$ 696,652	\$ 646,245	\$ 646,245					
	Events								\$ 260,235	\$ 260,186	\$ 241,405	\$ 241,360					
	Brochures, non program-specific								\$ 50,211	\$ 50,211	\$ 46,578	\$ 46,578					
	Education								\$ 63,102	\$ 63,102	\$ 58,536	\$ 58,536					
	Web Experience								\$ 1,615,932	\$ 1,615,932	\$ 1,499,009	\$ 1,499,009					
	Customer Online Experience								\$ 426,559	\$ 426,559	\$ 395,695	\$ 395,695					
	Customer Awareness Tools								\$ 441,840	\$ 441,840	\$ 409,870	\$ 409,870					
	Market Integration								\$ 645,099	\$ 645,099	\$ 598,422	\$ 598,422					
	MyData (Automated Benchmarking System)								\$ 102,434	\$ 102,434	\$ 95,022	\$ 95,022					
	Rebates Processing								\$ 565,953	\$ 565,953	\$ 525,003	\$ 525,003					
	Program Support								\$ 2,066,642	\$ 2,066,642	\$ 1,917,108	\$ 1,917,108					
	Program Development								\$ 402,426	\$ 402,426	\$ 373,308	\$ 373,308					
	Data And Systems Services								\$ 744,135	\$ 744,135	\$ 690,292	\$ 690,292					
	Energy Efficiency Software System ("DSM Central")								\$ 920,081	\$ 920,081	\$ 853,507	\$ 853,507					
	Energy Efficient Communities								\$ 543,144	\$ 543,144	\$ 503,844	\$ 503,844					
	Trade Ally Support								\$ 142,559	\$ 142,559	\$ 132,244	\$ 132,244					
	Contractor Alliance								\$ (111,953)	\$ (111,953)	\$ (103,853)	\$ (103,853)					
	Total Portfolio Support								\$ 5,892,477	\$ 5,892,428	\$ 5,466,120	\$ 5,466,074					
	Conservation Supply Curves								\$ 141,251	\$ 141,251	\$ 131,031	\$ 131,031					
	Strategic Planning								\$ 109,251	\$ 109,251	\$ 101,346	\$ 101,346					
	Market Research								\$ 121,569	\$ 121,569	\$ 112,773	\$ 112,773					
	Program Evaluation								\$ 2,184,327	\$ 2,184,327	\$ 2,026,277	\$ 2,026,277					
	Biennial Elec. Conserv. Aquisitr. Review								\$ 61,281	\$ 61,281	\$ 56,847	\$ 56,847					
	Verification Team								\$ 447,323	\$ 447,323	\$ 414,956	\$ 414,956					
	Total Research and Compliance								\$ 3,065,002	\$ 3,065,002	\$ 2,843,230	\$ 2,843,230					
	Total In CE Calculations		282,562,310	\$ 16,919,390	\$ 65,715,977	\$ 62,105,882	\$ 126,597,547	\$ 0	\$ 91,592,846	\$ 152,896,104	\$ 85,815,547	\$ 142,683,133	\$ 189,062,976	\$ 3,960,228	2.20	1.49	
	Net Metering								\$ 947,430	\$ 947,430	\$ 878,878	\$ 878,878					
	Electric Vehicle Charger Incentive								\$ 657,960	\$ 657,960	\$ 610,353	\$ 610,353					
	Total Other Programs								\$ 1,605,390	\$ 1,605,390	\$ 1,489,230	\$ 1,489,230					
Grand Total of All EES Programs			32.3 aMW						\$93,198,236								

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