

Exhibit 1: 2013 Expenditures and Savings

PUGET SOUND ENERGY, INC.  
ELECTRIC & GAS RIDER CONSERVATION EXPENDITURES & SAVINGS  
January - December 2013



		Through December 2013						Electric						Gas					
Electric Schedule	Gas Schedule	Programs	YTD Actual		Percentage		Budget		YTD Actual		Percentage		Budget						
Please note that each indented amount sums to the teal-colored heading above.			\$ Spent	MWh Svgs.	% of \$ Budget	% of Svgs. TOTAL	\$ BUDGET	MWh Svgs. Target	\$ Spent	Therms Svgs.	% of \$ Budget	% of Svgs. TOTAL	\$ BUDGET	Therms Svgs. Target					
<b>Residential</b>																			
E201	G201	Low Income Weatherization	\$ 2,373,466	1,591	98%	132%	\$ 2,425,463	1,201	\$ 372,176	32,948	124%	156%	\$ 301,309	21,179					
E214	G214	Single Family Existing	\$ 33,710,664	144,763	112%	115%	\$ 30,182,712	125,947	\$ 5,417,428	1,441,851	88%	75%	\$ 6,128,498	1,920,051					
		Residential Lighting	\$ 17,520,974	103,551	134%	124%	\$ 13,123,037	83,230	\$ -	-	n/a	n/a	\$ -	-					
		Space heat	\$ 3,275,154	8,085	109%	132%	\$ 3,004,175	6,138	\$ 1,612,308	571,028	68%	76%	\$ 2,355,263	747,889					
		Water heat	\$ 500,414	874	85%	102%	\$ 588,846	857	\$ -	0	n/a	0%	\$ -	-					
		HomePrint	\$ 960,033	1,796	52%	44%	\$ 1,838,741	4,081	\$ -	0	n/a	0%	\$ -	-					
		Home Appliances	\$ 6,872,639	9,122	89%	74%	\$ 7,751,812	12,405	\$ -	9,560	n/a	25%	\$ -	38,920					
		Showerheads	\$ 250,857	4,664	111%	133%	\$ 225,794	3,496	\$ 219,363	131,949	74%	74%	\$ 296,490	179,280					
		Weatherization Total	\$ 3,466,305	9,902	101%	97%	\$ 3,432,242	10,242	\$ 2,604,223	422,735	89%	76%	\$ 2,922,000	553,238					
		Weatherization	\$ 1,448,859	3,675	68%	58%	\$ 2,134,192	6,351	\$ 2,601,139	422,735	89%	76%	\$ 2,922,000	553,238					
		Mobile Home Duct Sealing	\$ 1,169,806	3,137	210%	300%	\$ 556,883	1,046	\$ -	0	n/a	n/a	\$ -	-					
		ARRA Weatherization	\$ 847,640	3,090	109%	141%	\$ 741,167	2,845	\$ 3,085	0	n/a	n/a	\$ -	-					
		Home Energy Reports	\$ -	-	-	-	\$ -	-	\$ 344,235	251,283	346%	72%	\$ 99,455	346,724					
		Web-Enabled Thermostat	\$ 864,288	6,769	396%	123%	\$ 218,065	5,498	\$ 637,148	55,296	n/a	n/a	\$ 455,290	54,000					
E215	G215	Single Family New Construction	\$ 1,781,097	2,344	149%	211%	\$ 1,198,553	1,112	\$ 10,035	412	n/a	n/a	\$ -	-					
E215		Energy Star Manufactured Homes	\$ 17,845	113	35%	27%	\$ 50,484	418	\$ -	200	n/a	n/a	\$ -	-					
E216		Single Family Fuel Conversion	\$ 649,666	1,623	60%	61%	\$ 1,083,575	2,649	\$ -	-	n/a	n/a	\$ -	-					
E217	G217	Multi Family Existing	\$ 10,952,743	21,256	160%	127%	\$ 6,861,821	16,747	\$ 206,731	64,927	175%	366%	\$ 118,083	17,736					
E218	G218	Multi Family New Construction	\$ 621,227	1,237	92%	130%	\$ 674,421	955	\$ 306,921	60,857	97%	130%	\$ 316,966	46,713					
E249	G249	Pilots <sup>1</sup>	\$ -	0	0%	-	\$ -	0	\$ -	-	n/a	n/a	\$ -	-					
<b>Total Residential Programs</b>			\$ 50,106,708	172,927 MWh	118%	116%	\$ 42,477,029	149,029 MWh	\$ 6,313,290	1,601,195	92%	80%	\$ 6,864,856	2,005,679 Therms					
<b>Business</b>																			
E250	G250	Commercial Industrial Retrofit	\$ 17,831,194	74,916	94%	105%	\$ 18,985,765	71,375	\$ 3,037,634	886,608	112%	182%	\$ 2,702,330	487,100					
E251	G251	Commercial Industrial New Construction	\$ 1,366,570	3,059	93%	87%	\$ 1,470,370	3,500	\$ 299,462	56,384	48%	36%	\$ 622,050	156,000					
E253	G253	Resource Conservation Manager - RCM	\$ 1,225,833	16,881	79%	90%	\$ 1,557,700	18,750	\$ 651,480	1,305,271	77%	218%	\$ 850,920	600,000					
E255		Small Business Lighting Rebate	\$ 3,685,147	12,524	65%	78%	\$ 5,640,130	16,040	\$ -	-	n/a	n/a	\$ -	-					
E258		Large Power User - Self Directed	\$ 5,159,352	13,831	123%	106%	\$ 4,189,000	13,000	\$ -	-	n/a	n/a	\$ -	-					
E261	G261	Energy Efficient Technology Evaluation	\$ -	n/a	0%	-	\$ 30,600	n/a	\$ -	n/a	0%	n/a	\$ 27,700	n/a					
E262	G262	Business Rebates	\$ 8,319,853	46,526	125%	136%	\$ 6,648,120	34,311	\$ 660,920	2,689,003	84%	192%	\$ 784,041	1,400,163					
<b>Total Business Programs</b>			\$ 37,587,949	167,737 MWh	98%	107%	\$ 38,521,685	156,976 MWh	\$ 4,649,496	4,937,266	93%	187%	\$ 4,987,041	2,643,263 Therms					
<b>Regional</b>																			
E254		NW Energy Efficiency Alliance	\$ 4,574,812	19,400	87%	100%	\$ 5,260,640	19,414	\$ -	n/a	n/a	n/a	\$ n/a	n/a					
E292		Generation, Transmission and Distribution	\$ -	1,328	16%	16%	\$ -	8,078	\$ -	n/a	n/a	n/a	\$ n/a	n/a					
<b>Total Regional Programs</b>			\$ 4,574,812	20,728	87%	75%	\$ 5,260,640	27,492	\$ -	-	n/a	n/a	\$ -	-					
<b>EE Portfolio Support</b>																			
		Customer Engagement and Education	\$ 1,092,488	n/a	72%	n/a	\$ 1,519,182	n/a	\$ 125,340	n/a	54%	n/a	\$ 231,679	n/a					
		Energy Advisors	\$ 799,910	n/a	74%	n/a	\$ 1,083,272	n/a	\$ 61,161	n/a	38%	n/a	\$ 161,692	n/a					
		Events	\$ 194,324	n/a	65%	n/a	\$ 297,419	n/a	\$ 48,047	n/a	99%	n/a	\$ 48,329	n/a					
		Brochures	\$ 43,307	n/a	80%	n/a	\$ 54,250	n/a	\$ 7,776	n/a	95%	n/a	\$ 8,169	n/a					
		Education	\$ 54,947	n/a	65%	n/a	\$ 84,241	n/a	\$ 8,355	n/a	62%	n/a	\$ 13,489	n/a					
		Customer Online Experience	\$ 958,557	n/a	152%	n/a	\$ 632,000	n/a	\$ 198,813	n/a	209%	n/a	\$ 95,000	n/a					
		Customer Online Experience	\$ 497,970	n/a	n/a	n/a	\$ -	n/a	\$ 77,265	n/a	n/a	n/a	\$ -	n/a					
		Automated Benchmarking System	\$ 169,440	n/a	n/a	n/a	\$ -	n/a	\$ 71,530	n/a	n/a	n/a	\$ -	n/a					
		Market Integration	\$ 291,147	n/a	79%	n/a	\$ 366,686	n/a	\$ 50,019	n/a	91%	n/a	\$ 54,792	n/a					
		Energy Efficient Communities	\$ 264,034	n/a	69%	n/a	\$ 380,885	n/a	\$ 71,253	n/a	125%	n/a	\$ 56,915	n/a					
		Trade Ally Support	\$ 30,955	n/a	50%	n/a	\$ 62,300	n/a	\$ -	n/a	0%	n/a	\$ 25,000	n/a					
		Marketing Research	\$ 238,971	n/a	39%	n/a	\$ 608,239	n/a	\$ 31,883	n/a	35%	n/a	\$ 90,883	n/a					
<b>Total Portfolio Support</b>			\$ 2,585,005	n/a	81%	n/a	\$ 3,202,606	n/a	\$ 427,289	n/a	86%	n/a	\$ 499,477	-					
<b>EE Research &amp; Compliance</b>																			
		Conservation Supply Curves	\$ 166,347	n/a	65%	n/a	\$ 255,293	n/a	\$ 34,703	n/a	91%	n/a	\$ 38,147	n/a					
		Strategic Planning	\$ 118,392	n/a	50%	n/a	\$ 237,429	n/a	\$ 15,867	n/a	45%	n/a	\$ 35,478	n/a					
		Program Evaluation	\$ 2,212,512	n/a	102%	n/a	\$ 2,159,039	n/a	\$ 315,182	n/a	57%	n/a	\$ 550,292	n/a					
		Program Support	\$ 216,337	n/a	48%	n/a	\$ 453,610	n/a	\$ 57,934	n/a	109%	n/a	\$ 53,276	n/a					
		Verification Team	\$ 582,914	n/a	92%	n/a	\$ 633,401	n/a	\$ 105,810	n/a	n/a	n/a	\$ 101,357	n/a					
<b>Total Research &amp; Compliance</b>			\$ 3,296,502	n/a	88%	n/a	\$ 3,738,772	n/a	\$ 529,496	n/a	68%	n/a	\$ 778,550	-					
<b>SUBTOTAL CUSTOMER SOLUTIONS - ENERGY EFFICIENCY</b>			\$ 98,150,976	361,392 MWh	105.3%	108.4%	\$ 93,201,000	333,497 MWh	\$ 11,919,571	6,538,461 Therms	90.8%	140.6%	\$ 13,130,000	4,649,000 Therms					
<b>Total aMW Savings</b>																			
<b>Other Electric Programs<sup>2</sup></b>																			
E150		Net Metering	\$ 369,302	n/a	80%	n/a	\$ 461,000	n/a	n/a	n/a	n/a	n/a	\$ n/a	n/a					
E248		Renewable Energy Education	\$ 50,876	n/a	42%	n/a	\$ 120,000	0	n/a	n/a	n/a	n/a	\$ n/a	n/a					
E271		C/I Load Control	\$ 44,598	n/a	18%	n/a	\$ 244,000	n/a	n/a	n/a	n/a	n/a	\$ n/a	n/a					
E249A		Residential Demand Response Pilot	\$ 166	n/a	2%	n/a	\$ 10,000	n/a	n/a	n/a	n/a	n/a	\$ n/a	n/a					
<b>Total Other Electric Programs</b>			\$ 464,941	0 MWh	56%	0%	\$ 835,000	0 MWh	\$ -	-	n/a	n/a	\$ -	-					
<b>GRAND TOTAL CUSTOMER SOLUTIONS</b>			\$ 98,615,917	361,392 MWh	104.9%	108.4%	\$ 94,036,000	333,497 MWh	\$ 11,919,571	6,538,461 Therms	90.8%	140.6%	\$ 13,130,000	4,649,000 Therms					
<b>Total aMW Savings</b>																			
PSE LIW Shareholder Funding <sup>3</sup>			\$ -	-	-	-	\$ -	-	\$ 266,655	n/a	89%	n/a	\$ 300,000	n/a					

Footnotes

- Neither the Residential nor Business Energy Management Sector pursued pilot measures in 2013.
- Other Electric programs are separated because they are not included in cost effectiveness calculations.
- LIW shareholder funding is not limited to the gas fuel type. Condition G(14) indicates that \$300,000 in shareholder funding may be applied to electric or gas LIW.

Energy Efficiency 2013 Actuals versus Budgets, Budget Category View  
Electric Programs

Legend: No shading, no italics = Budget amount  
Blue shading, italics = Actual amount

Schedule	Description	Labor	Marketing Labor	Overhead	Marketing	Employee Expense	Outside Services	Materials	Miscellaneous	DBtC	Revenue	Total Budget
<b>Residential Energy Management</b>												
E201	Low Income Weatherization	\$ 155,046	\$ 17,159	\$ 121,749	\$ 4,650	\$ 6,696	\$ 22,320	\$ 10,800	\$ 910	\$ 2,086,134	\$ -	\$ 2,425,463
		\$ 114,374	\$ 411	\$ 81,122	\$ 112	\$ 4,206	\$ 16,670	\$ 3,834	\$ 167	\$ 2,152,570	\$ -	\$ 2,373,466
E214	HomePrint	\$ 180,000	\$ 61,500	\$ 170,741	\$ 193,000	\$ 3,000	\$ -	\$ -	\$ 2,000	\$ 1,228,500	\$ -	\$ 1,838,741
		\$ 93,938	\$ 13,935	\$ 76,287	\$ 90,775	\$ 3,221	\$ 40,728	\$ 4,977	\$ 19,809	\$ 616,362	\$ -	\$ 960,033
E214	SF Existing Water Heat	\$ 63,000	\$ 30,700	\$ 66,246	\$ 105,000	\$ 1,200	\$ 4,000	\$ 5,000	\$ 2,400	\$ 311,300	\$ -	\$ 588,846
		\$ 50,148	\$ 3,962	\$ 38,254	\$ 25,448	\$ 1,221	\$ 12,394	\$ 2,443	\$ 10,793	\$ 355,752	\$ -	\$ 500,414
E214	SF Existing Weatherization	\$ 160,000	\$ 70,000	\$ 162,610	\$ 218,000	\$ 2,302	\$ 95,000	\$ 3,000	\$ 20,019	\$ 1,403,261	\$ -	\$ 2,134,192
		\$ 115,909	\$ 9,522	\$ 88,680	\$ 22,385	\$ 3,554	\$ 103,265	\$ 4,600	\$ 19,513	\$ 1,081,431	\$ -	\$ 1,448,859
E214	SF Existing Space Heat	\$ 210,000	\$ 65,000	\$ 194,425	\$ 296,000	\$ 7,200	\$ 28,000	\$ 17,200	\$ 28,200	\$ 2,158,150	\$ -	\$ 3,004,175
		\$ 158,934	\$ 11,423	\$ 120,558	\$ 29,596	\$ 4,347	\$ 17,675	\$ 6,020	\$ 38,853	\$ 2,887,749	\$ -	\$ 3,275,154
E214	Home Appliances	\$ 269,205	\$ 64,575	\$ 235,982	\$ 480,000	\$ -	\$ 820,000	\$ 18,000	\$ 10,000	\$ 5,854,050	\$ -	\$ 7,751,812
		\$ 122,131	\$ 19,613	\$ 101,270	\$ 471,023	\$ 2,737	\$ 470,742	\$ 5,340	\$ 1,263	\$ 5,678,404	\$ -	\$ 6,872,522
E214	Residential Showerheads	\$ 15,000	\$ 6,000	\$ 14,847	\$ 20,000	\$ 1,000	\$ 10,000	\$ 500	\$ 500	\$ 157,947	\$ -	\$ 225,794
		\$ 14,297	\$ 1,381	\$ 11,083	\$ 22,696	\$ 371	\$ 23,848	\$ 526	\$ 46	\$ 176,610	\$ -	\$ 250,857
E214	Energy Efficient Lighting Services	\$ 323,842	\$ 64,575	\$ 274,611	\$ 1,750,000	\$ -	\$ 871,600	\$ 7,500	\$ 36,000	\$ 9,794,910	\$ -	\$ 13,123,037
		\$ 300,744	\$ 41,968	\$ 243,311	\$ 1,611,422	\$ 13,407	\$ 1,173,596	\$ 9,422	\$ 27,306	\$ 14,119,801	\$ (20,003)	\$ 17,520,974
E214	Mobile Home Duct Sealing	\$ 60,000	\$ 37,000	\$ 68,579	\$ 20,000	\$ 402	\$ 127	\$ 508	\$ 591	\$ 369,676	\$ -	\$ 556,883
		\$ 30,012	\$ 99	\$ 21,283	\$ 11	\$ 692	\$ 2,622	\$ 1,264	\$ 28	\$ 1,113,795	\$ -	\$ 1,169,806
E214	ARRA Weatherization	\$ -	\$ -	\$ 27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 741,140	\$ -	\$ 741,167
		\$ 9,136	\$ -	\$ 6,515	\$ 30	\$ 554	\$ 1,609	\$ 501	\$ 48	\$ 902,911	\$ (73,663)	\$ 847,640
E214	Home Energy Reports	\$ 20,038	\$ 6,150	\$ 18,515	\$ -	\$ -	\$ 86,681	\$ -	\$ -	\$ 86,681	\$ -	\$ 218,065
		\$ 24,806	\$ 1,453	\$ 18,553	\$ 19	\$ 697	\$ 665,178	\$ 816	\$ 35	\$ 152,731	\$ -	\$ 864,288
E215	Single Family New Construction	\$ 154,579	\$ 93,600	\$ 175,463	\$ 90,317	\$ 6,000	\$ 161,174	\$ 2,000	\$ 5,000	\$ 510,420	\$ -	\$ 1,198,553
		\$ 147,034	\$ 10,680	\$ 111,492	\$ 68,104	\$ 4,126	\$ 289,909	\$ 3,970	\$ 1,240	\$ 1,144,659	\$ -	\$ 1,781,213
E215	Energy Star Manufactured Home	\$ 8,993	\$ 4,000	\$ 9,186	\$ 3,505	\$ 800	\$ -	\$ -	\$ -	\$ 24,000	\$ -	\$ 50,484
		\$ -	\$ -	\$ -	\$ 10,388	\$ -	\$ 1,157	\$ -	\$ -	\$ 6,300	\$ -	\$ 17,845
E216	Fuel Conversion Rebate	\$ 142,000	\$ 61,500	\$ 143,875	\$ 140,000	\$ 1,200	\$ 1,000	\$ 1,000	\$ 2,000	\$ 591,000	\$ -	\$ 1,083,575
		\$ 102,031	\$ 6,130	\$ 76,463	\$ 21,226	\$ 3,072	\$ 11,453	\$ 2,779	\$ 21,605	\$ 404,908	\$ -	\$ 649,666
E217	Multi-Family Retrofit	\$ 257,632	\$ 70,110	\$ 231,713	\$ 71,250	\$ 11,010	\$ 827,392	\$ 250	\$ 9,620	\$ 5,382,844	\$ -	\$ 6,861,821
		\$ 191,021	\$ 14,511	\$ 145,309	\$ 79,945	\$ 9,202	\$ 759,862	\$ 10,343	\$ 442	\$ 9,742,108	\$ -	\$ 10,952,743
E218	Multi-Family New Construction	\$ 166,678	\$ 15,760	\$ 128,984	\$ 33,750	\$ 2,340	\$ 200	\$ 100	\$ 5,240	\$ 321,369	\$ -	\$ 674,421
		\$ 113,945	\$ 2,141	\$ 82,054	\$ 17,774	\$ 2,802	\$ 9,882	\$ 3,045	\$ 186	\$ 389,398	\$ -	\$ 621,227
E249	SF Existing Pilots	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total, Residential Energy Management</b>		\$ 2,186,013	\$ 667,629	\$ 2,017,551	\$ 3,425,472	\$ 43,150	\$ 2,927,494	\$ 65,858	\$ 122,480	\$ 31,021,383	\$ -	\$ 42,477,029
		\$ 1,588,460	\$ 137,229	\$ 1,222,234	\$ 2,470,956	\$ 54,208	\$ 3,600,588	\$ 59,880	\$ 141,332	\$ 40,925,488	\$ (93,666)	\$ 50,106,707

Legend: No shading, no italics = Budget amount  
*Blue shading, italics = Actual amount*

Schedule	Description	Labor	Marketing Labor	Overhead	Marketing	Employee Expense	Outside Services	Materials	Miscellaneous	DBtC	Revenue	Total Budget
<b>Business Energy Management</b>												
E250	Commercial/Industrial Retrofit	\$ 1,503,050	\$ 32,800	\$ 1,085,800	\$ 21,000	\$ 61,800	\$ 2,564,750	\$ 10,650	\$ 2,400	\$ 13,703,515		\$ 18,985,765
		<i>\$ 1,366,910</i>	<i>\$ 13,999</i>	<i>\$ 1,326,703</i>	<i>\$ 25,731</i>	<i>\$ 56,818</i>	<i>\$ 2,709,724</i>	<i>\$ 46,702</i>	<i>\$ 59,095</i>	<i>\$ 12,225,513</i>	<i>\$ -</i>	<i>\$ 17,831,188</i>
E251	Commercial/Industrial New Construction	\$ 217,700	\$ 19,400	\$ 167,600	\$ 10,500	\$ 4,000	\$ 50,200	\$ 470	\$ 500	\$ 1,000,000		\$ 1,470,370
		<i>\$ 96,465</i>	<i>\$ 3,968</i>	<i>\$ 71,624</i>	<i>\$ 9,955</i>	<i>\$ 3,075</i>	<i>\$ 303,941</i>	<i>\$ 2,472</i>	<i>\$ 446</i>	<i>\$ 874,625</i>	<i>\$ -</i>	<i>\$ 1,366,570</i>
E253	Resource Conservation Manager	\$ 389,800	\$ 19,400	\$ 289,300	\$ 8,750	\$ 15,500	\$ 413,600	\$ 19,350	\$ 2,000	\$ 400,000		\$ 1,557,700
		<i>\$ 356,058</i>	<i>\$ 12,092</i>	<i>\$ 262,221</i>	<i>\$ 3,951</i>	<i>\$ 13,560</i>	<i>\$ 98,977</i>	<i>\$ 8,547</i>	<i>\$ 32,263</i>	<i>\$ 438,164</i>	<i>\$ -</i>	<i>\$ 1,225,833</i>
E255	Small Business Lighting	\$ 645,100	\$ 19,400	\$ 469,800	\$ 12,500	\$ 10,200	\$ 68,250	\$ 3,380	\$ 500	\$ 4,411,000		\$ 5,640,130
		<i>\$ 425,633</i>	<i>\$ 1,925</i>	<i>\$ 304,960</i>	<i>\$ 12,240</i>	<i>\$ 7,733</i>	<i>\$ 94,228</i>	<i>\$ 14,915</i>	<i>\$ 11,934</i>	<i>\$ 2,811,578</i>	<i>\$ -</i>	<i>\$ 3,685,147</i>
E258	High Voltage, Self-Directed	\$ 321,350	\$ -	\$ 227,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,640,000		\$ 4,188,550
		<i>\$ 478,190</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ 4,681,162</i>	<i>\$ -</i>	<i>\$ 5,159,352</i>
E261	Technology Evaluation	\$ 4,500	\$ -	\$ 3,200	\$ -	\$ -	\$ -	\$ 20,000	\$ 2,900	\$ -		\$ 30,600
		<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ 6</i>
E262	Business Rebates	\$ 507,200	\$ 40,100	\$ 386,900	\$ 54,000	\$ 11,400	\$ 511,800	\$ 8,680	\$ 1,500	\$ 5,126,540		\$ 6,648,120
		<i>\$ 398,397</i>	<i>\$ 7,781</i>	<i>\$ 290,872</i>	<i>\$ 54,948</i>	<i>\$ 9,824</i>	<i>\$ 202,749</i>	<i>\$ 11,689</i>	<i>\$ 22,473</i>	<i>\$ 7,321,120</i>	<i>\$ -</i>	<i>\$ 8,319,853</i>
<b>Total, Business Energy Management</b>		<b>\$ 3,588,700</b>	<b>\$ 131,100</b>	<b>\$ 2,629,800</b>	<b>\$ 106,750</b>	<b>\$ 102,900</b>	<b>\$ 3,608,600</b>	<b>\$ 62,530</b>	<b>\$ 9,800</b>	<b>\$ 28,281,055</b>	<b>\$ -</b>	<b>\$ 38,521,235</b>
		<b><i>\$ 3,121,652</i></b>	<b><i>\$ 39,766</i></b>	<b><i>\$ 2,256,381</i></b>	<b><i>\$ 106,824</i></b>	<b><i>\$ 91,010</i></b>	<b><i>\$ 3,409,619</i></b>	<b><i>\$ 84,326</i></b>	<b><i>\$ 126,210</i></b>	<b><i>\$ 28,352,162</i></b>	<b><i>\$ -</i></b>	<b><i>\$ 37,587,949</i></b>
<b>Regional Efficiency Programs</b>												
E254	Northwest Energy Efficiency Alliance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,578,192	\$ -	\$ -	\$ 3,682,448		\$ 5,260,640
		<i>\$ 203</i>	<i>\$ -</i>	<i>\$ 144</i>	<i>\$ -</i>	<i>\$ 4</i>	<i>\$ (0)</i>	<i>\$ 7</i>	<i>\$ -</i>	<i>\$ 4,574,454</i>	<i>\$ -</i>	<i>\$ 4,574,812</i>
E292	Transmission & Distribution	\$ 191,100	\$ -	\$ 120,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 311,500
		<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>
<b>Total, Regional Efficiency Programs</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,578,192</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,682,448</b>	<b>\$ -</b>	<b>\$ 5,260,640</b>
		<b><i>\$ 203</i></b>	<b><i>\$ -</i></b>	<b><i>\$ 144</i></b>	<b><i>\$ -</i></b>	<b><i>\$ 4</i></b>	<b><i>\$ (0)</i></b>	<b><i>\$ 7</i></b>	<b><i>\$ -</i></b>	<b><i>\$ 4,574,454</i></b>	<b><i>\$ -</i></b>	<b><i>\$ 4,574,812</i></b>

Legend: No shading, no italics = Budget amount  
*Blue shading, italics = Actual amount*

Schedule Description	Labor	Marketing Labor	Overhead	Marketing	Employee Expense	Outside Services	Materials	Miscellaneous	DBtC	Revenue	Total Budget
<b>Portfolio Support</b>											
Customer Engagement & Education											
Energy Advisors	\$ 602,140	\$ -	\$ 425,713	\$ -	\$ 29,146	\$ 21,054	\$ 5,220	\$ -	\$ -	\$ -	\$ 1,083,272
	\$ 461,496	\$ -	\$ 319,672	\$ 1,020	\$ 10,059	\$ -	\$ 6,926	\$ 737	\$ -	\$ -	\$ 799,910
Events	\$ 82,000	\$ -	\$ 57,974	\$ 22,649	\$ 2,446	\$ 128,525	\$ -	\$ 3,825	\$ -	\$ -	\$ 297,419
	\$ 93,900	\$ 55	\$ 70,894	\$ 6,364	\$ 2,277	\$ 17,819	\$ 2,079	\$ 933	\$ -	\$ -	\$ 194,323
Brochures	\$ -	\$ -	\$ -	\$ 27,280	\$ -	\$ 2,175	\$ 24,795	\$ -	\$ -	\$ -	\$ 54,250
	\$ -	\$ -	\$ 0	\$ 40,175	\$ -	\$ 3,132	\$ -	\$ -	\$ -	\$ -	\$ 43,307
Education	\$ 20,786	\$ -	\$ 14,166	\$ -	\$ 840	\$ 30,650	\$ 17,800	\$ -	\$ -	\$ -	\$ 84,241
	\$ 21,276	\$ -	\$ 16,071	\$ 13	\$ 314	\$ 8,163	\$ 394	\$ 8,716	\$ -	\$ -	\$ 54,947
Web Experience											
Customer On-line Experience	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 632,470	\$ -	\$ -	\$ -	\$ -	\$ 632,470
	\$ -	\$ 13,677	\$ 9,711	\$ 37,227	\$ 689	\$ 429,414	\$ 6,017	\$ 1,235	\$ -	\$ -	\$ 497,970
Market Integration	\$ 161,298	\$ -	\$ 114,038	\$ -	\$ 17,400	\$ 73,950	\$ -	\$ -	\$ -	\$ -	\$ 366,686
	\$ (3,170)	\$ 153,992	\$ 106,910	\$ 2,312	\$ 2,883	\$ 27,014	\$ 357	\$ 849	\$ -	\$ -	\$ 291,147
Automated Benchmarking	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 16,025	\$ 154	\$ 11,862	\$ 9	\$ 1,078	\$ 140,156	\$ 148	\$ 9	\$ -	\$ -	\$ 169,440
Energy Efficient Communities	\$ 197,877	\$ -	\$ 139,899	\$ -	\$ 34,800	\$ 5,699	\$ 2,610	\$ -	\$ -	\$ -	\$ 380,885
	\$ 133,672	\$ -	\$ 98,360	\$ 43	\$ 18,558	\$ 6,875	\$ 5,048	\$ 1,479	\$ -	\$ -	\$ 264,034
Trade Ally Support	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,300	\$ -	\$ -	\$ 62,300
	\$ 153	\$ -	\$ 110	\$ -	\$ 2	\$ 2	\$ 3	\$ 30,685	\$ -	\$ -	\$ 30,955
Marketing Research	\$ 182,287	\$ -	\$ 128,877	\$ -	\$ 3,275	\$ 291,450	\$ 1,350	\$ 1,000	\$ -	\$ -	\$ 608,239
	\$ 81,050	\$ -	\$ 57,305	\$ -	\$ 1,182	\$ 68,964	\$ 30,193	\$ 278	\$ -	\$ -	\$ 238,971
<b>Total, Portfolio Support</b>	<b>\$ 1,246,387</b>	<b>\$ -</b>	<b>\$ 880,666</b>	<b>\$ 49,929</b>	<b>\$ 87,906</b>	<b>\$ 1,185,973</b>	<b>\$ 51,775</b>	<b>\$ 67,125</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,569,762</b>
	<b>\$ 804,403</b>	<b>\$ 167,878</b>	<b>\$ 690,895</b>	<b>\$ 87,163</b>	<b>\$ 37,042</b>	<b>\$ 701,540</b>	<b>\$ 51,164</b>	<b>\$ 44,921</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,585,005</b>
<b>Research &amp; Compliance</b>											
Conservation Supply Curves	\$ 115,154	\$ -	\$ 81,414	\$ -	\$ 2,175	\$ 56,550	\$ -	\$ -	\$ -	\$ -	\$ 255,293
	\$ 78,878	\$ -	\$ 56,003	\$ -	\$ -	\$ 31,466	\$ -	\$ -	\$ -	\$ -	\$ 166,347
Strategic Planning	\$ 85,067	\$ -	\$ 60,142	\$ -	\$ 3,045	\$ 87,000	\$ 1,305	\$ 870	\$ -	\$ -	\$ 237,429
	\$ 68,463	\$ -	\$ 48,403	\$ -	\$ 938	\$ -	\$ 481	\$ 106	\$ -	\$ -	\$ 118,392
Program Evaluation	\$ 340,269	\$ -	\$ 240,570	\$ -	\$ 18,200	\$ 1,300,000	\$ -	\$ 260,000	\$ -	\$ -	\$ 2,159,039
	\$ 216,028	\$ -	\$ 152,731	\$ -	\$ 3,425	\$ 1,642,181	\$ 1,631	\$ 196,516	\$ -	\$ -	\$ 2,212,512
Verification Team	\$ 324,650	\$ -	\$ 229,528	\$ -	\$ 6,505	\$ 66,221	\$ 5,897	\$ 600	\$ -	\$ -	\$ 633,401
	\$ 294,084	\$ -	\$ 222,062	\$ 157	\$ 7,298	\$ 53,601	\$ 5,509	\$ 203	\$ -	\$ -	\$ 582,914
Program Support	\$ 230,000	\$ -	\$ 162,610	\$ -	\$ 11,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 453,610
	\$ 106,307	\$ -	\$ 80,340	\$ 43	\$ 9,520	\$ 8,802	\$ 1,906	\$ 9,418	\$ -	\$ -	\$ 216,337
<b>Total, Research &amp; Compliance</b>	<b>\$ 1,095,140</b>	<b>\$ -</b>	<b>\$ 774,264</b>	<b>\$ -</b>	<b>\$ 40,925</b>	<b>\$ 1,559,771</b>	<b>\$ 7,202</b>	<b>\$ 261,470</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,738,772</b>
	<b>\$ 763,760</b>	<b>\$ -</b>	<b>\$ 559,541</b>	<b>\$ 200</b>	<b>\$ 21,182</b>	<b>\$ 1,736,049</b>	<b>\$ 9,526</b>	<b>\$ 206,244</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,296,502</b>

Legend: No shading, no italics = Budget amount  
 Blue shading, italics = Actual amount

Schedule Description	Labor	Marketing Labor	Overhead	Marketing	Employee Expense	Outside Services	Materials	Miscellaneous	DBtC	Revenue	Total Budget
<b>Other Electric Programs</b>											
E150 Net Metering	\$ 223,139	\$ -	\$ 157,759	\$ -	\$ 8,079	\$ 2,000	\$ -	\$ 69,800	\$ -		\$ 460,777
	\$ 157,792	\$ -	\$ 111,559	\$ -	\$ 2,993	\$ -	\$ 5,678	\$ 91,281	\$ -	\$ -	\$ 369,302
E248 Renewable Energy Education	\$ 63,495	\$ -	\$ 44,891	\$ -	\$ 4,079	\$ -	\$ 8,000	\$ -	\$ -		\$ 120,465
	\$ 40,057	\$ -	\$ 28,321	\$ -	\$ 637	\$ -	\$ 2,398	\$ 153	\$ -	\$ (20,690)	\$ 50,876 <sup>3</sup>
E271 C/I Load Control	\$ 107,000	\$ 0	\$ 75,649	\$ -	\$ 11,200	\$ 50,000	\$ -	\$ -	\$ -		\$ 243,849
	\$ 22,364	\$ -	\$ 16,878	\$ 0	\$ 1,775	\$ 3,134	\$ 446	\$ 1	\$ -	\$ -	\$ 44,598
E249A Residential Demand Response	\$ 5,750	\$ -	\$ 4,065	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ 9,815
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 166	\$ -	\$ -	\$ -	\$ -	\$ 166
<b>Total, Other Electric Programs</b>	<b>\$ 399,384</b>	<b>\$ 0</b>	<b>\$ 282,365</b>	<b>\$ -</b>	<b>\$ 23,358</b>	<b>\$ 52,000</b>	<b>\$ 8,000</b>	<b>\$ 69,800</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 834,907</b>
	<b>\$ 220,213</b>	<b>\$ -</b>	<b>\$ 156,757</b>	<b>\$ 0</b>	<b>\$ 5,405</b>	<b>\$ 3,300</b>	<b>\$ 8,522</b>	<b>\$ 91,434</b>	<b>\$ -</b>	<b>\$ (20,690)</b>	<b>\$ 464,941</b>
<b>GRAND TOTAL, ELECTRIC PROGRAMS</b>	<b>\$ 8,515,624</b>	<b>\$ 798,729</b>	<b>\$ 6,584,646</b>	<b>\$ 3,582,151</b>	<b>\$ 298,240</b>	<b>\$ 10,912,031</b>	<b>\$ 195,365</b>	<b>\$ 530,675</b>	<b>\$ 62,984,886</b>	<b>\$ -</b>	<b>\$ 94,402,344</b>
	<b>\$ 6,498,691</b>	<b>\$ 344,873</b>	<b>\$ 4,885,952</b>	<b>\$ 2,665,143</b>	<b>\$ 208,851</b>	<b>\$ 9,451,095</b>	<b>\$ 213,425</b>	<b>\$ 610,141</b>	<b>\$ 73,852,104</b>	<b>\$ (114,356)</b>	<b>\$ 98,615,917</b>

Footnotes:

- 1 The amount of \$20,003 was credited back to Residential Retail Lighting from a contractor for work not performed.
- 2 The amount of \$73,663 was credited back to Single Family (ARRA) Weatherization as a result of PSE paying taxes that were also being charged by its contractor.
- 3 Unspent funds in the amount of \$20,690 from a vendor intended for renewable energy grants was paid back to PSE in 2013.

Please note that customer, contractor, and vendor names are omitted to ensure confidentiality.

Energy Efficiency 2013 Actuals versus Budgets, Budget Category View  
Gas Programs

Legend: No shading, no italics = Budget amount  
Blue shading, italics = Actual amount

Schedule	Description	Labor	Marketing Labor	Overhead	Marketing	Employee Expense	Outside Services	Materials	Miscellaneous	DBtC	Revenue	Total Budget
Residential Energy Management												
G203	Low Income Weatherization	\$ 11,670	\$ 1,292	\$ 9,164	\$ 350	\$ 504	\$ 1,680	\$ 4,038	\$ 309	\$ 272,303	\$ -	\$ 301,309
		<i>\$ 20,902</i>	<i>\$ 81</i>	<i>\$ 14,836</i>	<i>\$ 22</i>	<i>\$ 638</i>	<i>\$ 2,459</i>	<i>\$ 622</i>	<i>\$ 31</i>	<i>\$ 342,547</i>	<i>\$ (9,963)</i>	<i>\$ 372,176</i>
G214	HomePrint	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>
G214	SF Existing Water Heat	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>
G214	SF Existing Wx	\$ 46,000	\$ 18,450	\$ 45,566	\$ 78,000	\$ 2,500	\$ 375,000	\$ -	\$ 16,200	\$ 2,340,716	\$ -	\$ 2,922,432
		<i>\$ 43,786</i>	<i>\$ 3,029</i>	<i>\$ 33,097</i>	<i>\$ 10,378</i>	<i>\$ 2,812</i>	<i>\$ 339,314</i>	<i>\$ 44,428</i>	<i>\$ 19,398</i>	<i>\$ 2,104,897</i>	<i>\$ -</i>	<i>\$ 2,601,139</i>
G214	SF Existing Mobile Home Duct Sealing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>
G214	SF Existing Space Heat	\$ 160,000	\$ 21,525	\$ 128,338	\$ 220,000	\$ 5,400	\$ 18,000	\$ 15,400	\$ 10,200	\$ 1,776,400	\$ -	\$ 2,355,263
		<i>\$ 103,901</i>	<i>\$ 14,353</i>	<i>\$ 83,617</i>	<i>\$ 15,070</i>	<i>\$ 2,577</i>	<i>\$ 11,004</i>	<i>\$ 2,933</i>	<i>\$ 21,605</i>	<i>\$ 1,357,249</i>	<i>\$ -</i>	<i>\$ 1,612,308</i>
G214	Residential Showerheads	\$ 15,000	\$ 5,000	\$ 14,140	\$ 25,000	\$ 1,000	\$ 10,000	\$ 500	\$ 500	\$ 225,350	\$ -	\$ 296,490
		<i>\$ 9,123</i>	<i>\$ 1,573</i>	<i>\$ 7,563</i>	<i>\$ 28,197</i>	<i>\$ 235</i>	<i>\$ 23,022</i>	<i>\$ 314</i>	<i>\$ 13</i>	<i>\$ 149,323</i>	<i>\$ -</i>	<i>\$ 219,363</i>
G214	Home Appliances	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>
G214	Web-enabled thermostats	\$ 6,000	\$ 1,200	\$ 5,090	\$ -	\$ 600	\$ 50,000	\$ 1,200	\$ 1,200	\$ 390,000	\$ -	\$ 455,290
		<i>\$ -</i>	<i>\$ 320</i>	<i>\$ 227</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ 325,307</i>	<i>\$ 33,719</i>	<i>\$ -</i>	<i>\$ 277,575</i>	<i>\$ -</i>	<i>\$ 637,148</i>
G214	Home Energy Reports	\$ 8,588	\$ 6,150	\$ 10,420	\$ -	\$ -	\$ 37,149	\$ -	\$ -	\$ 37,149	\$ -	\$ 99,455
		<i>\$ 9,066</i>	<i>\$ 811</i>	<i>\$ 6,980</i>	<i>\$ 7</i>	<i>\$ 246</i>	<i>\$ 272,758</i>	<i>\$ 298</i>	<i>\$ 13</i>	<i>\$ 54,056</i>	<i>\$ -</i>	<i>\$ 344,235</i>
G215	Energy Star Manufactured Home	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ 150</i>	<i>\$ -</i>	<i>\$ 150</i>
G215	Single Family New Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		<i>\$ 629</i>	<i>\$ 64</i>	<i>\$ 491</i>	<i>\$ 4,616</i>	<i>\$ 13</i>	<i>\$ 750</i>	<i>\$ 22</i>	<i>\$ 1</i>	<i>\$ 3,450</i>	<i>\$ -</i>	<i>\$ 10,035</i>
G217	Multi-Family Retrofit	\$ 28,626	\$ 3,690	\$ 22,847	\$ 3,750	\$ 1,490	\$ 6,923	\$ 250	\$ 2,405	\$ 48,103	\$ -	\$ 118,083
		<i>\$ 25,091</i>	<i>\$ 783</i>	<i>\$ 18,312</i>	<i>\$ 5,071</i>	<i>\$ 862</i>	<i>\$ 14,584</i>	<i>\$ 826</i>	<i>\$ 42</i>	<i>\$ 141,160</i>	<i>\$ -</i>	<i>\$ 206,731</i>
G218	Multi-Family New Construction	\$ 35,000	\$ 3,500	\$ 27,220	\$ 3,750	\$ 2,980	\$ 100	\$ 50	\$ 1,485	\$ 242,881	\$ -	\$ 316,966
		<i>\$ 54,587</i>	<i>\$ 2,704</i>	<i>\$ 40,542</i>	<i>\$ 3,011</i>	<i>\$ 1,240</i>	<i>\$ 4,465</i>	<i>\$ 1,491</i>	<i>\$ 97</i>	<i>\$ 198,783</i>	<i>\$ -</i>	<i>\$ 306,921</i>
G249	SF Existing Pilots	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>
Total, Residential Energy Management		\$ 310,884	\$ 60,807	\$ 262,785	\$ 330,850	\$ 14,474	\$ 498,852	\$ 21,438	\$ 32,299	\$ 5,332,902	\$ -	\$ 6,865,289
		<i>\$ 267,087</i>	<i>\$ 23,718</i>	<i>\$ 205,665</i>	<i>\$ 66,371</i>	<i>\$ 8,623</i>	<i>\$ 993,669</i>	<i>\$ 84,653</i>	<i>\$ 41,199</i>	<i>\$ 4,632,269</i>	<i>\$ (9,963)</i>	<i>\$ 6,313,290</i>

Legend: No shading, no italics = Budget amount

*Blue shading, italics = Actual amount*

Schedule	Description	Labor	Marketing Labor	Overhead	Marketing	Employee Expense	Outside Services	Materials	Miscellaneous	DBtC	Revenue	Total Budget
<b>Business Energy Management</b>												
G250	Commercial/Industrial Retrofit	\$ 459,700	\$ 17,000	\$ 337,000	\$ 9,000	\$ 8,700	\$ 110,750	\$ 2,870	\$ 2,200	\$ 1,755,110		\$ 2,702,330
		\$ 200,656	\$ 3,776	\$ 146,191	\$ 7,663	\$ 4,606	\$ 195,837	\$ 5,029	\$ 27,938	\$ 2,445,937	\$ -	\$ 3,037,634
G251	Commercial/Industrial New Construction	\$ 140,700	\$ 17,000	\$ 111,500	\$ 4,500	\$ 7,200	\$ 14,250	\$ -	\$ 1,900	\$ 325,000		\$ 622,050
		\$ 28,335	\$ 1,513	\$ 21,294	\$ 115	\$ 536	\$ 19,638	\$ 672	\$ 96	\$ 227,261	\$ -	\$ 299,462
G253	Resource Conservation Manager	\$ 263,000	\$ 14,600	\$ 196,300	\$ 3,750	\$ 3,100	\$ 150,350	\$ 19,020	\$ 800	\$ 200,000		\$ 850,920
		\$ 169,922	\$ 4,430	\$ 124,279	\$ 835	\$ 4,423	\$ 36,046	\$ 4,382	\$ 9,931	\$ 297,232	\$ -	\$ 651,480
G261	Technology Evaluation	\$ 4,500	\$ -	\$ 3,200	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ -		\$ 27,700
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
G262	Business Rebates	\$ 80,800	\$ 8,500	\$ 63,100	\$ 6,000	\$ 400	\$ 8,650	\$ 2,150	\$ 100	\$ 614,341		\$ 784,041
		\$ 56,997	\$ 821	\$ 41,620	\$ 4,796	\$ 978	\$ 34,305	\$ 2,008	\$ 30,171	\$ 489,620	\$ (397)	\$ 660,920
<b>Total, Business Energy Management</b>		<b>\$ 948,700</b>	<b>\$ 57,100</b>	<b>\$ 711,100</b>	<b>\$ 23,250</b>	<b>\$ 19,400</b>	<b>\$ 284,000</b>	<b>\$ 44,040</b>	<b>\$ 5,000</b>	<b>\$ 2,894,451</b>	<b>\$ -</b>	<b>\$ 4,987,041</b>
		<b>\$ 455,910</b>	<b>\$ 10,540</b>	<b>\$ 333,384</b>	<b>\$ 13,409</b>	<b>\$ 10,544</b>	<b>\$ 285,827</b>	<b>\$ 12,092</b>	<b>\$ 68,137</b>	<b>\$ 3,460,050</b>	<b>\$ (397)</b>	<b>\$ 4,649,496</b>
<b>Portfolio Support</b>												
<b>Customer Engagement &amp; Education</b>												
	Energy Advisors	\$ 89,872	\$ -	\$ 63,539	\$ -	\$ 4,355	\$ 3,146	\$ 780	\$ -	\$ -	\$ -	\$ 161,692
		\$ 33,247	\$ -	\$ 23,005	\$ -	\$ 4,358	\$ -	\$ 498	\$ 54	\$ -	\$ -	\$ 61,161
	Events	\$ 13,300	\$ -	\$ 9,403	\$ 8,131	\$ 226	\$ 15,784	\$ 900	\$ 585	\$ -	\$ -	\$ 48,329
		\$ 24,442	\$ 9	\$ 18,446	\$ 992	\$ 492	\$ 3,066	\$ 454	\$ 148	\$ -	\$ -	\$ 48,047
	Brochures	\$ -	\$ -	\$ -	\$ 4,139	\$ -	\$ 325	\$ 3,705	\$ -	\$ -	\$ -	\$ 8,169
		\$ -	\$ 97	\$ 54	\$ 7,072	\$ -	\$ 553	\$ -	\$ -	\$ -	\$ -	\$ 7,776
	Education	\$ 3,796	\$ -	\$ 2,684	\$ -	\$ 185	\$ 4,225	\$ 2,600	\$ -	\$ -	\$ -	\$ 13,489
		\$ 3,265	\$ -	\$ 2,459	\$ 2	\$ 51	\$ 1,215	\$ 60	\$ 1,303	\$ -	\$ -	\$ 8,355
<b>Web Experience</b>												
	Customer On-line Experience	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95,130	\$ -	\$ -	\$ -	\$ -	\$ 95,130
		\$ -	\$ 2,536	\$ 1,800	\$ 5,580	\$ 103	\$ 65,113	\$ 899	\$ 1,235	\$ -	\$ -	\$ 77,265
	Market Integration	\$ 24,102	\$ -	\$ 17,040	\$ -	\$ 2,600	\$ 11,050	\$ -	\$ -	\$ -	\$ -	\$ 54,792
		\$ (42)	\$ 25,873	\$ 18,294	\$ 342	\$ 355	\$ 5,083	\$ 68	\$ 46	\$ -	\$ -	\$ 50,019
	Automated Benchmarking System	\$ 6,314	\$ 66	\$ 4,680	\$ 4	\$ 341	\$ 60,061	\$ 59	\$ 4	\$ -	\$ -	\$ 71,530
	Energy Efficient Communities	\$ 29,568	\$ -	\$ 20,905	\$ -	\$ 5,200	\$ 852	\$ 390	\$ -	\$ -	\$ -	\$ 56,915
		\$ 39,080	\$ -	\$ 28,772	\$ 7	\$ 343	\$ 1,648	\$ 1,247	\$ 156	\$ -	\$ -	\$ 71,253
	Trade Ally Support	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ 25,000
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Marketing Research	\$ 27,238	\$ -	\$ 19,257	\$ -	\$ 488	\$ 43,550	\$ 200	\$ 150	\$ -	\$ -	\$ 90,883
		\$ 10,465	\$ -	\$ 7,399	\$ -	\$ 151	\$ 9,503	\$ 4,329	\$ 37	\$ -	\$ -	\$ 31,883
<b>Total, Portfolio Support</b>		<b>\$ 187,875</b>	<b>\$ -</b>	<b>\$ 132,828</b>	<b>\$ 12,270</b>	<b>\$ 13,054</b>	<b>\$ 174,062</b>	<b>\$ 8,575</b>	<b>\$ 25,735</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 554,399</b>
		<b>\$ 116,770</b>	<b>\$ 28,581</b>	<b>\$ 104,909</b>	<b>\$ 13,998</b>	<b>\$ 6,193</b>	<b>\$ 146,241</b>	<b>\$ 7,614</b>	<b>\$ 2,983</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 427,289</b>

Legend: No shading, no italics = Budget amount

*Blue shading, italics = Actual amount*

Schedule Description	Labor	Marketing Labor	Overhead	Marketing	Employee Expense	Outside Services	Materials	Miscellaneous	DBtC	Revenue	Total Budget
Research & Compliance											
Conservation Supply Curves	\$ 17,207	\$ -	\$ 12,165	\$ -	\$ 325	\$ 8,450	\$ -	\$ -	\$ -	\$ -	\$ 38,147
	\$ 17,545	\$ -	\$ 12,457	\$ -	\$ -	\$ 4,702	\$ -	\$ -	\$ -	\$ -	\$ 34,703
Strategic Planning	\$ 12,711	\$ -	\$ 8,987	\$ -	\$ 455	\$ 13,000	\$ 195	\$ 130	\$ -	\$ -	\$ 35,478
	\$ 9,175	\$ -	\$ 6,487	\$ -	\$ 125	\$ -	\$ 66	\$ 14	\$ -	\$ -	\$ 15,867
Program Evaluation	\$ 50,845	\$ -	\$ 35,947	\$ -	\$ 3,500	\$ 460,000	\$ -	\$ -	\$ -	\$ -	\$ 550,292
	\$ 31,196	\$ -	\$ 22,055	\$ -	\$ 438	\$ 261,002	\$ 233	\$ 257	\$ -	\$ -	\$ 315,182
Verification Team	\$ 57,790	\$ -	\$ 40,858	\$ 200	\$ 1,092	\$ 258	\$ 1,159	\$ -	\$ -	\$ -	\$ 101,357
	\$ 53,875	\$ -	\$ 40,780	\$ 39	\$ 1,289	\$ 8,680	\$ 1,118	\$ 30	\$ -	\$ -	\$ 105,810
Program Support	\$ 28,750	\$ -	\$ 20,326	\$ -	\$ 1,200	\$ 3,000	\$ -	\$ -	\$ -	\$ -	\$ 53,276
	\$ 26,773	\$ -	\$ 20,205	\$ 19	\$ 504	\$ 907	\$ 499	\$ 9,027	\$ -	\$ -	\$ 57,934
<b>Total, Research &amp; Compliance</b>	<b>\$ 167,303</b>	<b>\$ -</b>	<b>\$ 118,283</b>	<b>\$ 200</b>	<b>\$ 6,572</b>	<b>\$ 484,708</b>	<b>\$ 1,354</b>	<b>\$ 130</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 778,550</b>
	<b>\$ 138,564</b>	<b>\$ -</b>	<b>\$ 101,983</b>	<b>\$ 58</b>	<b>\$ 2,356</b>	<b>\$ 275,291</b>	<b>\$ 1,916</b>	<b>\$ 9,328</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 529,496</b>
<b>GRAND TOTAL, GAS PROGRAMS</b>	<b>\$ 1,614,762</b>	<b>\$ 117,907</b>	<b>\$ 1,224,996</b>	<b>\$ 366,570</b>	<b>\$ 53,500</b>	<b>\$ 1,441,622</b>	<b>\$ 75,407</b>	<b>\$ 63,164</b>	<b>\$ 8,227,353</b>	<b>\$ -</b>	<b>\$ 13,185,279</b>
	<b>\$ 978,330</b>	<b>\$ 62,839</b>	<b>\$ 745,942</b>	<b>\$ 93,835</b>	<b>\$ 27,716</b>	<b>\$ 1,701,028</b>	<b>\$ 106,274</b>	<b>\$ 121,647</b>	<b>\$ 8,092,320</b>	<b>\$ (10,359)</b>	<b>\$ 11,919,571</b>

1 A refunded amount of \$9,963 was paid by a customer for a grant overpayment.

Please note that customer, contractor, and vendor names are omitted to ensure confidentiality.



## Exhibit 1, Supplement 2

### 2013 Savings Adjustments

Savings adjustments approved from January through June, 2013. Exhibit 1 savings and expenditure totals are reflective of the below-noted adjustments.

#### Electric

Reference	Sector	Channel	Program	Program Manager/Adjustor (if not PM)	UOM	Adjustment reason	Consequence	Adjustment Type (Addition or subtraction of savings)	Adjustment Approved date (approved by B&A)	Savings Adjustment Entered date (month adjustment is input)	Savings date affected	kWh adjustment amount (Positive amount = addition; negative amount "(nn)" = subtraction)
1	Residential	R B2B	Multifamily Retrofit	Forde	kWh	9 PowerStrip-direct installs were over-reported.	900 kWh were over-reported in February. Corrected in March reporting.	Subtraction	March, 2013	March, 2013	Feb., 2013	(900)
2	Residential	Retail	Retail Lighting	Rominger	kWh	52 lamps @ 22 kWh/units were over-reported	1,144 kWh were over-reported in March Corrected in April reporting.	Subtraction	April, 2013	April, 2013	March, 2013	(1,144)
3	Residential	Retail	Appliances	Rominger	kWh	380 clothes washers were under-reported.	55,100 kWh were under-reported in March Corrected in April reporting.	Addition	March, 2013	April, 2013	March, 2013	55,100
4	Residential	Dealer	Space Heat	McCulloch	kWh	Customer selected incorrect field on application.	Savings were under-reported by 4,622 kWh. Customer was under-paid by \$1,150.	Addition Customer issued an additional payment of \$1,150	May, 2013	May, 2013	April, 2013	4,622
5	Commercial	Rebates	Appliances	Lane	kWh	Contractor mis-reported the aggregate totals of commercial clothes washers; mixing water heater and dryer fuel types. Reference gas adjustment Ref#01.	Electric savings were under-reported by 5,814 kWh, gas savings were over-reported by 315 therms.	Addition of kWh, subtraction of therms.	June, 2013	June, 2013	May, 2013	5,814
6	Residential	Dealer	Water Heat	McCulloch	kWh	Electric water heater savings UES value wasn't updated for 2013.	Aggregate savings were under-reported by 1,111 kWh.	Addition	July, 2013	July, 2013	June, 2013	1,111
8	Residential	Retail	Lighting	Rominger	kWh	Bulb kits were counted as engagement bulbs when they actually weren't distributed	Savings were over-reported by 5,880 kWh.	Subtraction	July, 2013	July, 2013	June, 2013	(5,880)
9	Commercial	Rebates	Lighting	Lane	kWh	Retailer selected the incorrect lamp type on their application.	Savings were over-reported by 8,321 kWh	Subtraction	August, 2013	July, 2013	July, 2013	(8,321)

## 2013 Savings Adjustments

Savings adjustments approved from January through June, 2013. Exhibit 1 savings and expenditure totals are reflective of the below-noted adjustments.

### Electric

Reference	Sector	Channel	Program	Program Manager/Adjustor (if not PM)	UOM	Adjustment reason	Consequence	Adjustment Type (Addition or subtraction of savings)	Adjustment Approved date (approved by B&A)	Savings Adjustment Entered date (month adjustment is input)	Savings date affected	kWh adjustment amount (Positive amount = addition; negative amount "(nn)" = subtraction)
11	Commercial	Rebates	Lighting	Lane	kWh	Contractor reported some lamps as hotel common area, rather than hotel rooms, which have a lower savings value	Savings were over-reported by 1,376,982 kWh	Subtraction	October, 2013	October, 2013	May - September 2013	(1,376,982)
13	Commercial	Rebates	HVAC	Goldberg	kWh	The incorrect measure code (gas) was selected for an electric measure. Also reference #13 in gas table.	Savings were under-reported by 2,667 kWh	Addition	September, 2013	October, 2013	October, 2013	2,667
15	Residential	Dealer	Space Heat	McCulloch	kWh	A rebate was paid to a customer for a heat pump sizing and lockout control, but they were ineligible, as discovered by the Verification Team.	Savings were over-reported by 1,447 kWh	Subtraction	December, 2013	December, 2013	November, 2013	(1,447)
16	Residential	Dealer	Space Heat	McCulloch	kWh	Contractor incorrectly attributed a Ductless Heat Pump rebate to the installation which should have been a tier 2 air source heat pump rebate.	Savings were over-reported by 2,946 kWh	Subtraction	December, 2013	December, 2013	November, 2013	(2,946)
17	Commercial	Rebates	Water Heat	Goldberg	kWh	Savings for pre-rinse spray valves were incorrectly classified as kWh versus therms. Also reference #17 in gas table.	Savings were over-reported by 37,414 kWh.	Subtraction	December, 2013	December, 2013	December, 2013	(37,414)
18	Residential	Retail	Lighting	Rominger	kWh	The contractor invoice and back-up had one particular product inadvertently listed as an LED Reflector when it was actually an LED A-lamp.	Savings were over-reported by 127,494 kWh.	Subtraction	December, 2013	December, 2013	December, 2013	(127,494)
21	Residential	Dealer	Space Heat	McCulloch	kWh	A baseboard heat fuel conversion rebate was paid in July 2013 but was not entered into the tracking database.	Savings were under-reported by 8,500 kWh	Addition	January, 2014	December, 2013	December, 2013	8,500

## 2013 Savings Adjustments

Savings adjustments approved from January through June, 2013. Exhibit 1 savings and expenditure totals are reflective of the below-noted adjustments.

### Electric

Reference	Sector	Channel	Program	Program Manager/Adjustor (if not PM)	UOM	Adjustment reason	Consequence	Adjustment Type (Addition or subtraction of savings)	Adjustment Approved date (approved by B&A)	Savings Adjustment Entered date (month adjustment is input)	Savings date affected	kWh adjustment amount (Positive amount = addition; negative amount "(nn)" = subtraction)
22	Residential	Single Family New Construction	Mobile Homes	Forde	kWh	Although a rebate was paid for a Mobile Home/Forced Air Furnace, the savings were not logged into the tracking database	Savings were under-reported by 6,847 kWh	Addition	January, 2014	December, 2013	December, 2013	6,847
24	Residential	Retail	Lighting	Rominger	kWh	Two customers were listed twice resulting in savings recorded for 4 customers when in actuality it was 2 customers.	Savings were over-reported by 40 kWh.	Subtraction	January, 2014	December, 2013	December, 2013	(40)
25	Residential	Multifamily New Construction	Ventilation	Forde	kWh	For month of May 2013, we reported 98 units instead of 98.5 units in EES tracking, due to EES tracking not accepting partial units for measure quantity reporting.	Savings wer under-reported by 1,098 kWh	Addition	January, 2014	December, 2013	December, 2013	1,098
26	Residential	Dealer	HomePrint	McCulloch	kWh	Verification team, upon review of 10 Homeprint projects, found that they had not received Direct Install bulbs, instead the bulbs were left behind. There was 1 customer who did not receive the showerhead during their homeprint assessment.	Savings were over-reported by 2,755 kWh	Subtraction	January, 2014	December, 2013	December, 2013	(2,755)
<b>Running total of 2012 adjustments</b>												<b>(1,479,564)</b>

## Exhibit 1, Supplement 2

### 2013 Savings Adjustments

Savings adjustments approved from January through June, 2013. Exhibit 1 savings and expenditure totals are reflective of the below-noted adjustments.

#### Gas

Reference	Sector	Channel	Program	Program Manager/Adjustor (if not PM)	UOM	Adjustment reason	Consequence	Adjustment Type (Addition or subtraction of savings)	Adjustment Approved date (approved by B&A)	Savings Adjustment Entered date (month adjustment is input)	Savings date affected	Therm adjustment amount (Positive amount = addition; negative amount "(nn)" = subtraction)
1	Commercial	Rebates	Appliances	Lane	Therm	Contractor mis-reported the aggregate totals of commercial clothes washers; mixing water heater and dryer fuel types. Reference electric adjustment Ref#05.	Gas savings were over-reported by 315 therms. Electric savings were under-reported by 5,814 kWh.	Subtraction of therms, addition of kWh.	June, 2013	June, 2013	May, 2013	(315.00)
7	Residential	Retail	Showerheads	Rominger	Therm	182 showerheads were reported as directly-installed, when there were actually retail purchased.	Gas savings were over-reported by 510 therms.	Subtraction	June, 2013	July, 2013	April, 2013	
13	Commercial	Rebates	HVAC	Goldberg	Therm	The incorrect measure code (gas) was selected for an electric measure. Also reference #13 in electric table.	Gas savings were over-reported by 2,667 therms.	Subtraction	September, 2013	October, 2013	October, 2013	(2667.00)
14	Residential	Retail	Controls	Rominger	Therm	Contractor indicated that, subsequent to their November report, 5 customers requested that their new thermostats be removed.	Savings were over-reported by 270 therms	Subtraction	December, 2013	December, 2013	November, 2013	(270)
17	Commercial	Rebates	Water Heat	Goldberg	Therm	Savings for pre-rinse spray valves were incorrectly classified as kWh versus therms. Also reference #17 in electric table.	Savings were under-reported by 37,414 therms.	Addition	December, 2013	December, 2013	December, 2013	37,414
19	Residential	Dealer	Space Heat	McCulloch	Therm	One Gas Furnace incentive was paid in April 2013 and was never reported on the EES tracking database.	Savings were under-reported by 103 therms.	Addition	December, 2013	December, 2013	December, 2013	103

## 2013 Savings Adjustments

Savings adjustments approved from January through June, 2013. Exhibit 1 savings and expenditure totals are reflective of the below-noted adjustments.

### Gas

Reference	Sector	Channel	Program	Program Manager/Adjustor (if not PM)	UOM	Adjustment reason	Consequence	Adjustment Type (Addition or subtraction of savings)	Adjustment Approved date (approved by B&A)	Savings Adjustment Entered date (month adjustment is input)	Savings date affected	Therm adjustment amount (Positive amount = addition; negative amount "(nn)" = subtraction)
20	Residential	Multifamily New Construction	Water Heat	Forde	Therm	Number of units, rather than savings value, was entered into tracking database for a calculated measure.	Savings were under-reported by 792 therms	Addition	January, 2014	December, 2013	December, 2013	792
23	Residential	Low Income Weatherization	Water Heat	Forde	Therm	LIW agency entered test data into LIW and it was submitted for payment to PSE instead of being deleted.	Savings were over-reported by 89 therms	Subtraction	January, 2014	December, 2013	December, 2013	(89)
27	Residential	Dealer	Weatherization	McCulloch	Therm	Vendor provided PSE the incorrect data in Feb and June. During year-end reconciliation, for the month of Feb and June, the numbers were different than what was provided during those months.	Savings were under-reported by 52.8 therms.	Addition	January, 2014	December, 2013	December, 2013	53
<b>Running total of 2012 adjustments</b>												<b>35,020.80</b>

# Exhibit 1, Supplement 3



<b>Sponsorship and Memberships</b>	
January - December 2013	
<b>Vendor Name</b>	<b>Amount</b>
NORTHWEST POWER & CONSERVATION	\$ 194,993
ELECTRIC LEAGUE OF THE PACIFIC NORTHWEST	\$ 41,250
CITY OF SEATTLE	\$ 40,000
MASTER BUILDERS ASSOCIATION	\$ 30,160
ENERGY SOLUTIONS CENTER INC	\$ 18,000
INDEPENDENT COLLEGES OF WASHINGTON	\$ 10,000
WSU ENERGY PROGRAM	\$ 7,000
D & R INTERNATIONAL LTD	\$ 5,000
AMERICAN INSTITUTE OF ARCHITECTS	\$ 5,000
CASCADIA REGION GREEN BUILDING COUNCIL	\$ 5,000
SOLAR ELECTRIC POWER ASSOCIATION	\$ 4,500
WASHINGTON STATE UNIVERSITY	\$ 3,500
ASSOCIATION OF ENERGY ENGINEERS (AEE)	\$ 2,832
ASHRAE (American Society of Heating, Refrigeration, and Air Conditioning)	\$ 2,225
BOMA - BUILDING OWNERS & MANAGERS ASSOCIATION	\$ 1,435
CONSORTIUM FOR ENERGY EFFICIENCY	\$ 1,387
WAMOA	\$ 1,060
WASHINGTON MULTI-FAMILY HOUSING ASSOCIATION	\$ 1,008
AMERICAN MARKETING ASSOCIATION	\$ 615
WHIDBEY WESTSIDE ROTARY	\$ 510
MULTIFAMILY SUPPLIERS FORUM	\$ 500
SOCIETY MARKETING PROFESSIONAL SERVICES	\$ 355
PUGET SOUND HOTEL ENGINEERS ASSOCIATION	\$ 225
WASHINGTON WEATHERIZATION ASSOCIATION	\$ 50
<b>Total:</b>	<b>\$ 376,605</b>



## Exhibit 1 Supplement 4

### Counts by Program and Fuel Type



All figures are intended to provide a perspective of scale and program scope, and are rounded. They aren't intended to be a precise measure count.

Key counts below may represent either customers, projects, dwellings, or measures reported.

Since it isn't possible to provide a representation of every measure, selected representative measures are indicated.

It is important to note that "Dwelling units receiving measures" figures represent homes, apartments, condominiums, mobile homes, etc. that reported "some" energy efficiency measure.

Please reference the program discussions for more comprehensive measure details.

- Not every measure, program, function, or activity is presented in this chart.

Schedule	Programs	Electric		Gas		Projects with Both Electric & Gas Measures	
		Key Measure Type	Units	Key Measure Type	Units	Key Measure Type	Units
(Excluded from the electric-only or gas-only counts)							
E/G 201	Low Income Weatherization	EE projects or # of dwelling units receiving at least one electric measure	over 2,600	EE projects or # of dwelling units receiving at least one gas measure	over 900		
E/G 214	Single Family Existing	Number of efficiency measures		(Other Channels also install CFL and LED lamps. Those details are presented in each program discussion.)			
	Residential EE Lighting Rebate	CFL Lamps	3,300,000				
		CFL & LED Fixtures	140,000				
		LED Lamps	1,100,000				
	Space Heat	Heat Pumps	3,400	Furnaces	4,500		
				Fireplaces	800		
	Water Heat	Water Heaters	780				
	Mobile Home Duct Sealing	Homes treated	5,000				
	Prescriptive Duct Sealing and Insulation	Number of projects	200		1,400		
	HomePrint	Homes assessed	over 4,000				
	Home Appliances	Clothes Washers	over 10,000	(Although units are indicated in the electric fuel type, some clothes washers yield gas savings as well. Also applicable in PSE's gas-only territories.)			
		New refrigerators & replacements	over 10,000				
		Refrigerators/Freezers Decommissioned	6,500				
	Showerheads	Showerheads	over 27,000	Showerheads	14,600		
	Weatherization	Homes heated with electricity, receiving an insulation measure	over 1,500: 800 windows, 700 weatherization	Homes heated with gas	over 3,000 <i>All weatherization</i>		
	Home Energy Reports					Number of dual-fuel customers	approx. 21,000
E/G 215	Single Family New Construction <i>(CSY-only processed incentives)</i>	Homes receiving electric measures only	more than 600	Homes receiving gas measures only	226	Homes receiving at least one electric measure AND at least one gas measure	104
E 216	Single Family Fuel Conversion	Water heaters and/or space heat converted to gas	in excess of 250				
E/G 217	Multi Family Existing	Buildings	over 2,800	Buildings	Over 150	Building with gas and electric	over 125
		Dwelling units receiving electric measures	almost 25,000	Dwelling units receiving gas measures	Over 3,000	Dwelling units receiving both gas and electric measures	More than 400
E/G 218	Multi Family New Construction	Dwelling units receiving electric measures	more than 800	Dwelling units receiving gas measures	over 2,500	Dwelling units receiving both gas and electric measures	almost 200

## Exhibit 1 Supplement 4

### Counts by Program and Fuel Type



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Since it isn't possible to provide a representation of every measure, selected representative measures are indicated.

It is important to note that "Dwelling units receiving measures" figures represent homes, apartments, condominiums, mobile homes, etc. that reported "some" energy efficiency measure.

Please reference the program discussions for more comprehensive measure details.

• Not every measure, program, function, or activity is presented in this chart.

Schedule	Programs	Electric		Gas		Projects with Both Electric & Gas Measures	
		Key Measure Type	Units	Key Measure Type	Units	Key Measure Type	Units
E/G 250	C/I Retrofit	Projects	over 600	Projects	almost 100	Projects with electric AND gas	more than 30
		Energy Smart Grocer projects	more than 300		100		30
E/G 251	C/I New Construction	Projects	20	Projects	3	Projects with electric AND gas	10
		Energy Smart Grocer	1				
E/G 253	Resource Conservation Manager - RCM	Projects	25	Projects	13	Projects	44
E 255	Small Business Lighting Rebate	T8 Retrofit	over 1,300				
		CFL-associated	more than 200				
		LED-associated	over 175				
		Sensors & Controls	over than 125				
		Custom projects	over 600				
		Exit signs	almost 100				
E 258	Large Power User - Self Directed	HVAC Measures	22				
		Lighting	32				
		Motors	7				
		Process	5				
E/G 262	Business Rebates	Commercial Kitchens Measures	almost 60	Commercial Kitchens	almost 200	Number of Projects by Measure Type	
		Water Heating Measures	more than 275	Water Heating	more than 150	Commercial Kitchens	over 300
		HVAC Measures	almost 250	HVAC	80	Water Heating	more than 325
		Lighting (non-SBL) Measures	More than 4,500			HVAC	more than 200
<b>Customer Engagement &amp; Education</b>							
	Energy Advisors					Number of customer phone calls	over 75,000
	Events					Number of event participation	more than 150
	Brochures					Number of brochures distributed at events	over 39,000
						Number of brochures mailed	over 75,000
<b>Customer Web Experience</b>							
	Customer Online Experience					"Savings and Energy Center" visits	over 1.5 million
						"Rebates and Offers" visits	more than 330,000
						"Ask an Energy Advisor" visits	over 25,000



# Exhibit 1 Supplement 4

## Counts by Program and Fuel Type



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 Key counts below may represent either customers, projects, dwellings, or measures reported.  
 Since it isn't possible to provide a representation of every measure, selected representative measures are indicated.  
 It is important to note that "Dwelling units receiving measures" figures represent homes, apartments, condominiums, mobile homes, etc. that reported "some" energy efficiency measure.  
 Please reference the program discussions for more comprehensive measure details.  
 • Not every measure, program, function, or activity is presented in this chart.

		Electric		Gas		Projects with Both Electric & Gas Measures	
Schedule	Programs	Key Measure Type	Units	Key Measure Type	Units	Key Measure Type	Units
<b>Research &amp; Compliance</b>							
This section is omitted; there are no measures or services provided directly to customers.							
<b>Renewable Energy Education</b>		Program ramped down.					
<b>Net Metering</b>		Number of net metered customers over 1,900 total by year-end.					
<b>C/I Load Control Pilot</b>		Program put on hiatus in 2012					

## Exhibit 2: 2013 Cost-Effectiveness Results



### Summary

#### Electric Programs: Benefit Cost Summary

Program Name	Energy Savings (kWh)	Utility Costs	Non-Energy Benefits	UC	TRC
Low Income Weatherization	1,591,218	\$ 2,373,466	\$ -	1.22	1.32
Residential Lighting	103,550,810	\$ 17,520,974	\$ -	5.40	1.62
Space Heat	8,084,781	\$ 3,275,154	\$ -	4.69	1.98
Water Heat	874,173	\$ 500,414	\$ 28,282	1.73	1.31
HomePrint	1,795,938	\$ 960,033	\$ -	0.95	1.05
Home Appliances	9,121,854	\$ 6,872,639	\$ -	1.04	1.02
Showerheads	4,664,925	\$ 250,857	\$ 1,879,969	14.12	5.68
Single Family Weatherization	6,769,064	\$ 864,288	\$ -	0.76	0.84
ARRA Weatherization	3,089,664	\$ 847,640	\$ -	5.70	3.66
Mobile Home Duct Sealing	3,136,851	\$ 1,169,807	\$ -	3.86	4.25
Home Energy Reports	6,769,064	\$ 864,288	\$ -	0.76	0.84
Single Family New Construction	2,344,441	\$ 1,781,097	\$ -	1.60	1.08
Manufactured Homes	112,955	\$ 17,845	\$ -	12.05	5.85
Fuel Conversion	1,622,750	\$ 649,667	\$ -	1.96	1.33
Multifamily Existing	21,256,351	\$ 10,952,743	\$ 35,438	2.42	2.03
Multifamily New Construction	1,236,737	\$ 621,228	\$ 1,019	2.35	2.37
<b>Total Residential Energy Management</b>	<b>172,927,875</b>	<b>\$ 50,106,712</b>	<b>\$ 1,944,708</b>	<b>3.49</b>	<b>1.71</b>
Commercial/Industrial Retrofit	74,915,631	\$ 17,831,188	\$ -	3.36	1.82
Commercial/Industrial New Construction	3,059,448	\$ 1,366,570	\$ -	2.56	1.97
Resource Conservation Manager	16,881,406	\$ 1,225,833	\$ -	2.81	1.30
Small Business Lighting	12,523,551	\$ 3,685,147	\$ -	2.89	2.00
High Voltage, Self-Directed	13,831,101	\$ 5,159,352	\$ -	2.43	2.02
Business Rebates	46,526,208	\$ 8,319,853	\$ -	3.28	2.25
<b>Total Business Energy Management</b>	<b>167,737,345</b>	<b>\$ 37,587,943</b>	<b>\$ -</b>	<b>3.12</b>	<b>1.92</b>
Northwest Energy Efficiency Alliance	19,400,000	\$ 4,574,812	\$ -	1.86	2.04
Transmission & Distribution	1,327,692	\$ -	\$ -	-	5.22
<b>Total Regional Programs</b>	<b>20,727,692</b>	<b>\$ 4,574,812</b>	<b>\$ -</b>	<b>2.13</b>	<b>2.22</b>
<b>Total Electric Portfolio</b>	<b>361,392,912</b>	<b>98,150,974</b>	<b>1,944,708</b>	<b>3.08</b>	<b>1.74</b>

Please note that the *Portfolio Support, Research & Compliance, and Other Electric Programs* comprise the remaining costs that are reflected in **Total Electric Portfolio**. Since these functions do not generate savings, they were omitted from this summary view. They are, however, presented in the following Electric Cost-Effectiveness detail page.

#### Gas Programs: Benefit Cost Summary: TRC WITH Conservation Credit

Program Name	Energy Savings (Therms)	Utility Costs	Non-Energy Benefits	UC	TRC
Low Income Weatherization	32,949	\$ 372,176	\$ -	1.23	1.36
Residential Space Heat	571,028	\$ 1,612,308	\$ -	4.31	2.13
Residential Appliances	9,558	\$ -	\$ -	-	-
Residential Showerheads	131,954	\$ 219,363	\$ 1,137,037	3.35	2.86
Single Family Weatherization	422,736	\$ 2,601,139	\$ -	2.47	0.83
AARA Weatherization	0	\$ 3,085	\$ -	-	-
Home Energy Reports	251,283	\$ 344,235	\$ -	0.56	0.62
Single Family New Construction & Energy Star Manufactured Homes	612	\$ 10,185	\$ -	0.73	0.65
Thermostats - Web Enabled	55,296	\$ 637,148	\$ -	1.12	1.23
Multifamily Existing	64,927	\$ 206,731	\$ 22,516	-	1.26
Multifamily New Construction	60,856	\$ 306,921	\$ 1,625	1.32	1.45
<b>Total Residential Efficiency Programs</b>	<b>1,601,199</b>	<b>\$ 6,313,290</b>	<b>\$ 1,161,177</b>	<b>2.53</b>	<b>1.29</b>
Commercial / Industrial Retrofit	886,607	\$ 3,037,634	\$ -	2.68	1.51
Commercial/Industrial New Construction	56,384	\$ 299,462	\$ -	1.74	1.37
Resource Conservation Manager	1,305,271	\$ 651,480	\$ -	3.77	1.89
Commercial Rebates	2,689,003	\$ 660,920	\$ -	12.14	9.48
<b>Total Commercial Programs</b>	<b>4,937,265</b>	<b>\$ 4,649,496</b>	<b>\$ -</b>	<b>4.12</b>	<b>2.42</b>
<b>Total Gas Portfolio</b>	<b>6,538,464</b>	<b>\$ 11,919,571</b>	<b>\$ 1,161,177</b>	<b>2.94</b>	<b>1.64</b>

Please note that the *Portfolio Support and Research & Compliance* comprise the remaining costs that are reflected in **Total Gas Portfolio**. Since these functions do not generate savings, they were omitted from this summary view. They are, however, presented in the following Gas Cost-Effectiveness detail page.

2013 Electric Cost-Effectiveness Results

WACC	Program Number	Program Name	Measure Life	Load Shape	kWh Savings	Program Overhead Costs	Total Incentive Payments	Customer Costs	Incremental Measure Costs	Other Contributions	Total Utility Costs	Total Resource Costs	Value of Non Energy Benefits	Present Value of Total Utility Program Costs in Time Zero*	Present Value of Total Resource Costs in Time Zero*	Utility Cost Test: Present Value Electric Savings In Time Zero	Present Value of Non Energy Benefits in time Zero	Utility Cost Test: Benefit Cost Ratio	Total Resource Cost Test: Benefit Cost Ratio	
8.10%											Columns D + E	Columns F + H + I		Column I + (1 + [WACC %]) <sup>1</sup>	Column J + (1 + [WACC %]) <sup>1</sup>	Column K + (1 + [WACC %]) <sup>1</sup>	Column L + (1 + [WACC %]) <sup>1</sup>	Column M + (1 + [WACC %]) <sup>1</sup>	Column N + (1 + [WACC %]) <sup>1</sup>	
		Source/calculation:																		
E201	Low Income Weatherization		21	Varies by Measure	1,591,218	\$ 226,893	\$ 1,861,864	\$ 34,915	\$ 1,896,779	\$ -	\$ 2,373,466	\$ 2,408,381	\$ -	\$ 2,195,621	\$ 2,227,919	\$ 2,682,251	\$ -	1.22	1.32	
E214	Residential Lighting		16	Varies by Measure	103,550,810	\$ 3,399,078	\$ 14,121,896	\$ 46,574,394	\$ 60,696,290	\$ -	\$ 17,520,974	\$ 64,095,368	\$ -	\$ 16,208,116	\$ 59,292,662	\$ 87,545,270	\$ -	5.40	1.62	
E214	Space Heat		19	Varies by Measure	8,084,781	\$ 385,404	\$ 2,889,750	\$ 5,277,901	\$ 8,161,151	\$ -	\$ 3,275,154	\$ 8,553,055	\$ -	\$ 3,029,745	\$ 7,912,169	\$ 14,216,120	\$ -	4.69	1.98	
E215	Water Heat		15	Varies by Measure	874,173	\$ 142,196	\$ 358,218	\$ 244,511	\$ 602,729	\$ -	\$ 500,414	\$ 744,925	\$ 28,282	\$ 462,918	\$ 689,107	\$ 798,849	\$ 26,162,53	1.73	1.31	
E214	HomePrint		6	Varies by Measure	1,795,938	\$ 340,795	\$ 619,238	\$ 90	\$ 619,328	\$ -	\$ 960,033	\$ 960,123	\$ -	\$ 888,097	\$ 888,180	\$ 847,493	\$ -	0.95	1.05	
E214	Home Appliances		12	Varies by Measure	9,121,854	\$ 1,194,228	\$ 5,678,411	\$ 878,023	\$ 6,556,434	\$ -	\$ 6,872,639	\$ 7,750,662	\$ -	\$ 6,357,668	\$ 7,169,901	\$ 6,841,755	\$ -	1.04	1.02	
E214	Showerheads		10	Varies by Measure	4,864,925	\$ 77,807	\$ 173,050	\$ 766,702	\$ 939,752	\$ -	\$ 250,857	\$ 1,017,559	\$ 1,879,969	\$ 232,060	\$ 941,313	\$ 3,275,964	\$ 1,739,101.81	14.12	5.68	
E214	Weatherization Total				9,901,878	\$ 392,980	\$ 3,073,327	\$ 5,683,269	\$ 8,754,987	\$ 0	\$ 3,466,306	\$ 9,149,967	\$ 0	\$ 3,206,574	\$ 8,463,984	\$ 17,013,566	\$ -	5.31	2.21	
E214	Single Family Weatherization		29	Varies by Measure	3,675,363	\$ 391,855	\$ 1,057,004	\$ 5,081,576	\$ 6,136,981	\$ -	\$ 1,448,859	\$ 6,530,435	\$ -	\$ 1,340,295	\$ 6,041,106	\$ 8,366,200	\$ -	6.24	1.52	
E214	ARRA Weatherization		16	Varies by Measure	3,089,664	\$ (54,886)	\$ 902,526	\$ 601,684	\$ 1,504,210	\$ -	\$ 847,640	\$ 1,449,324	\$ -	\$ 784,126	\$ 1,340,725	\$ 4,466,141	\$ -	5.70	3.66	
E214	Mobile Home Duct Sealing		15	Varies by Measure	3,136,851	\$ 56,011	\$ 1,113,796	\$ -	\$ 1,113,796	\$ -	\$ 1,169,807	\$ 1,169,807	\$ -	\$ 1,082,153	\$ 1,082,153	\$ 4,181,225	\$ -	3.86	4.25	
E249	Home Energy Reports *		1	Varies by Measure	6,769,064	\$ 864,288	\$ -	\$ -	\$ -	\$ -	\$ 864,288	\$ 864,288	\$ -	\$ 799,526	\$ 610,031	\$ -	\$ -	0.76	0.84	
E215	Single Family New Construction		18	Varies by Measure	2,344,441	\$ 828,343	\$ 952,754	\$ 1,129,126	\$ 2,081,879	\$ -	\$ 1,781,097	\$ 2,910,223	\$ -	\$ 1,647,638	\$ 2,692,158	\$ 2,644,224	\$ -	1.60	1.08	
E215	Manufactured Homes		18	Varies by Measure	112,955	\$ 6,300	\$ 22,617	\$ -	\$ 28,917	\$ -	\$ 17,845	\$ 40,662	\$ -	\$ 16,508	\$ 37,430	\$ 198,909	\$ -	12.05	5.85	
E216	Fuel Conversion Rebate**		30	Varies by Measure	1,622,750	\$ 244,758	\$ 404,909	\$ 1,084,931	\$ 1,489,840	\$ -	\$ 649,667	\$ 1,734,598	\$ -	\$ 1,609,384	\$ 2,613,020	\$ 3,156,388	\$ -	1.96	1.33	
E217	Multifamily Existing		18	Varies by Measure	21,256,351	\$ 1,210,630	\$ 9,742,113	\$ 3,395,672	\$ 13,137,785	\$ -	\$ 10,952,743	\$ 14,348,415	\$ 35,438	\$ 10,132,047	\$ 13,273,280	\$ 24,478,352	\$ 32,782,60	\$ -	2.42	2.03
E218	Multifamily New Construction		17	Varies by Measure	1,236,737	\$ 231,829	\$ 389,399	\$ 57,307	\$ 446,706	\$ -	\$ 621,228	\$ 678,535	\$ 1,019	\$ 574,679	\$ 627,692	\$ 1,352,610	\$ 943.02	2.35	2.37	
	<b>Total Residential Energy Management</b>				<b>172,927,875</b>	<b>\$ 9,550,775</b>	<b>\$ 40,271,229</b>	<b>\$ 65,149,449</b>	<b>\$ 105,412,577</b>	<b>\$ -</b>	<b>\$ 50,106,712</b>	<b>\$ 115,256,161</b>	<b>\$ 1,944,708</b>	<b>\$ 47,360,582</b>	<b>\$ 107,628,342</b>	<b>\$ 165,461,782</b>	<b>\$ 1,798,990</b>	<b>3.49</b>	<b>1.71</b>	
E250	Commercial/Industrial Retrofit		11	Varies by Measure	74,915,631	\$ 4,587,603	\$ 13,243,585	\$ 18,334,536	\$ 31,578,121	\$ -	\$ 17,831,188	\$ 36,165,724	\$ -	\$ 16,495,066	\$ 33,455,804	\$ 55,422,923	\$ -	3.36	1.82	
E251	Commercial/Industrial New Construction		13	Varies by Measure	3,059,448	\$ 303,370	\$ 1,063,200	\$ 587,333	\$ 1,650,533	\$ -	\$ 1,366,570	\$ 1,953,903	\$ -	\$ 1,264,172	\$ 1,807,496	\$ 3,235,609	\$ -	2.56	1.97	
E253	Resource Conservation Manager		2	Varies by Measure	16,881,406	\$ 970,327	\$ 255,506	\$ 1,683,337	\$ 1,938,843	\$ -	\$ 1,225,833	\$ 2,909,170	\$ -	\$ 1,133,981	\$ 2,691,185	\$ 3,191,672	\$ -	2.81	1.30	
E255	Small Business Lighting		11	Varies by Measure	12,523,551	\$ 873,566	\$ 2,811,581	\$ 2,176,275	\$ 4,987,856	\$ -	\$ 3,685,147	\$ 5,861,422	\$ -	\$ 3,409,017	\$ 5,422,222	\$ 9,852,794	\$ -	2.89	2.00	
E258	High Voltage, Self-Directed		13	Varies by Measure	13,831,101	\$ 1,115,776	\$ 4,043,576	\$ 1,690,433	\$ 5,734,009	\$ -	\$ 5,159,352	\$ 6,849,785	\$ -	\$ 4,772,759	\$ 6,336,527	\$ 11,611,055	\$ -	2.43	2.02	
E262	Business Rebates		7	Varies by Measure	46,526,208	\$ 1,300,848	\$ 7,019,005	\$ 4,996,899	\$ 12,015,905	\$ -	\$ 8,319,853	\$ 13,316,752	\$ -	\$ 7,696,441	\$ 12,318,920	\$ 25,227,865	\$ -	3.28	2.25	
	<b>Total Business Energy Management</b>				<b>167,737,345</b>	<b>\$ 9,151,490</b>	<b>\$ 28,436,453</b>	<b>\$ 29,468,813</b>	<b>\$ 57,905,267</b>	<b>\$ -</b>	<b>\$ 37,587,943</b>	<b>\$ 67,056,756</b>	<b>\$ -</b>	<b>\$ 34,771,455</b>	<b>\$ 62,032,152</b>	<b>\$ 108,541,918</b>	<b>\$ -</b>	<b>3.12</b>	<b>1.92</b>	
	Northwest Energy Efficiency Alliance		5	Res Lighting	19,400,000	\$ 4,574,812	\$ -	\$ -	\$ -	\$ -	\$ 4,574,812	\$ 4,574,812	\$ -	\$ 4,232,018	\$ 4,232,018	\$ 7,861,399	\$ -	1.86	2.04	
	Transmission & Distribution		15	Varies by Measure	1,327,692	\$ -	\$ 266,163	\$ 266,163	\$ 266,163	\$ -	\$ -	\$ 266,163	\$ -	\$ -	\$ 246,219	\$ 1,167,963	\$ -	5.22	5.22	
	<b>Total Regional Programs</b>				<b>20,727,692</b>	<b>\$ 4,840,974</b>	<b>\$ -</b>	<b>\$ 266,163</b>	<b>\$ 266,163</b>	<b>\$ -</b>	<b>\$ 4,574,812</b>	<b>\$ 4,840,974</b>	<b>\$ -</b>	<b>\$ 4,232,018</b>	<b>\$ 4,478,237</b>	<b>\$ 9,029,361</b>	<b>\$ -</b>	<b>2.13</b>	<b>2.22</b>	
	Customer Engagement & Education										\$ 1,092,488.00	\$ -	\$ -	\$ 1,010,627.20	\$ -	\$ -				
	Energy Advisors					\$ 799,910					\$ 799,910	\$ -	\$ -	\$ 739,972	\$ -	\$ -				
	Events					\$ 194,324					\$ 194,324	\$ -	\$ -	\$ 179,763	\$ -	\$ -				
	Brochures					\$ 43,307					\$ 43,307	\$ -	\$ -	\$ 40,062	\$ -	\$ -				
	Education					\$ 54,947					\$ 54,947	\$ -	\$ -	\$ 50,830	\$ -	\$ -				
	Web Experiences					\$ 958,557.00					\$ 958,557.00	\$ -	\$ -	\$ 886,731.73	\$ -	\$ -				
	Customer Online Experience					\$ 497,970					\$ 497,970	\$ -	\$ -	\$ 460,657	\$ -	\$ -				
	Automated Benchmarking					\$ 169,440					\$ 169,440	\$ -	\$ -	\$ 156,744	\$ -	\$ -				
	Market Integration					\$ 291,147					\$ 291,147	\$ -	\$ -	\$ 269,331	\$ -	\$ -				
	Energy Efficient Communities					\$ 264,034.30					\$ 264,034.30	\$ -	\$ -	\$ 244,250	\$ -	\$ -				
	Trade Ally Support					\$ 30,955.72					\$ 30,955.72	\$ -	\$ -	\$ 28,635	\$ -	\$ -				
	Marketing Research					\$ 238,971.29					\$ 238,971.29	\$ -	\$ -	\$ 221,065	\$ -	\$ -				
	<b>Total Portfolio Support</b>										<b>\$ 2,585,005</b>	<b>\$ 2,585,005</b>	<b>\$ -</b>	<b>\$ 2,391,309</b>	<b>\$ 2,391,309</b>	<b>\$ -</b>				
	Conservation Supply Curves					\$ 166,347.12					\$ 166,347.12	\$ -	\$ -	\$ 153,883	\$ -	\$ -				
	Strategic Planning					\$ 118,391.93					\$ 118,391.93	\$ -	\$ -	\$ 109,521	\$ -	\$ -				
	Program Evaluation					\$ 2,212,511.93					\$ 2,212,511.93	\$ -	\$ -	\$ 2,046,727	\$ -	\$ -				
	Program Support					\$ 216,336.69					\$ 216,336.69	\$ -	\$ -	\$ 200,126	\$ -	\$ -				
	Verification Team					\$ 582,914.43					\$ 582,914.43	\$ -	\$ -	\$ 539,236	\$ -	\$ -				
	<b>Total Research and Compliance</b>										<b>\$ 3,296,502</b>	<b>\$ 3,296,502</b>	<b>\$ -</b>	<b>\$ 3,049,493</b>	<b>\$ 3,049,493</b>	<b>\$ -</b>				
	<b>Total In CE Calculations</b>		<b>12.02</b>		<b>361,392,912</b>	<b>\$ 23,543,239</b>	<b>\$ 68,707,682</b>	<b>\$ 94,884,425</b>	<b>\$ 163,584,007</b>	<b>\$ -</b>	<b>\$ 98,150,974</b>	<b>\$ 193,035,399</b>	<b>\$ 1,944,708</b>	<b>\$ 91,804,858</b>	<b>\$ 179,579,533</b>	<b>\$ 283,033,061</b>	<b>\$ 1,798,990</b>	<b>3.08</b>	<b>1.74</b>	
	Net Metering					\$ 369,302					\$ 369,302	\$ -	\$ -	\$ 341,630	\$ -	\$ -				
	Renewable Energy Education					\$ 50,876					\$ 50,876	\$ -	\$ -	\$ 47,064	\$ -	\$ -				
	CL Load Control					\$ 44,598					\$ 44,598	\$ -	\$ -	\$ 41,256	\$ -	\$ -				
	Residential Demand Response					\$ 166					\$ 166	\$ -	\$ -	\$ 154	\$ -	\$ -				
	<b>Total Other Programs</b>										<b>\$ 464,941</b>	<b>\$ 464,941</b>	<b>\$ -</b>	<b>\$ 430,103</b>	<b>\$ 430,103</b>	<b>\$ -</b>				
	<b>Grand Total of All EES Programs</b>				<b>41.3 aMW</b>						<b>\$ 98,615,916</b>	<b>\$ 464,941</b>	<b>\$ -</b>	<b>\$ 91,804,858</b>	<b>\$ 179,579,533</b>	<b>\$ 283,033,061</b>	<b>\$ 1,798,990</b>	<b>3.08</b>	<b>1.74</b>	

Load shapes include:  
Lighting, Space Heat,  
Water Heat,  
Refrigeration,  
Commercial Cooking,  
Plug Load

\*Time Zero\* means the  
beginning of the current year.

\* The Utility Program Costs, for the Home Energy Reports Program, includes \$497,279 for a 2014 Home Energy Reports Expansion Project. These dollars were paid in 2013 to begin preparing for 2014. However, these dollars are not associated with the current program and the 2013 savings.  
If we exclude these costs, and we calculate a Utility Benefit Cost Ratio with only the \$368,009 that are attributed to 2013 savings, the UC is 1.79

\*\* The Present Value of Utility and Total Resource Costs in the Fuel Conversion Program include the additional cost of gas that will be required by the utility when converting customers from electricity to natural gas.

= indicates a sub-total of subordinate programs or offerings.

2013 Gas Cost-Effectiveness Results

WACC		B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
Prog. No.	Program Name	Measure Life	Load Shape	Therm Savings	Program Overhead Costs	Total Incentive Payments	Customer Costs & Agency Costs	Incremental Measure Costs	Other Contributions	Total Utility Costs	Total Resource Costs	Value of Non Energy Benefits	Present Value of Total Utility Costs in Time Zero	Present Value of Total Resource Costs in Time Zero	Present Value Therm Savings In Time Zero	Present Value of Non Energy Benefits in time Zero	Utility Cost Test: Benefit Cost Ratio	Conservation Credit: Total Resource Cost Test: Benefit Cost Ratio Without Conservation Credit	Total Resource Cost Test: Benefit Cost Ratio With Conservation Credit
Source/calculation:											Columns G + I + J		Column J ÷ (1 + [WACC %]) <sup>1</sup>	Column K ÷ (1 + [WACC %]) <sup>1</sup>		Column L ÷ (1 + [WACC %]) <sup>1</sup>	Column O + M	Columns (O + P) + N	((O * (1 + 10%)) + P) + N
G203	Low Income Weatherization	26	Varies by Measure	32,949	\$ 23,627	\$ 303,086	\$ -	\$ 303,086	\$ -	\$ 372,176	\$ 372,176	\$ -	\$ 344,289	\$ 344,289	\$ 425,026	\$ -	1.23	1.23	1.36
G214	Residential Space Heat	18	Varies by Measure	571,028	\$ 255,308	\$ 1,357,000	\$ 1,978,356	\$ 3,335,356	\$ -	\$ 1,612,308	\$ 3,590,664	\$ -	\$ 1,491,497	\$ 3,321,613	\$ 6,427,782	\$ -	4.31	1.94	2.13
G214	Residential Appliances*	14	Varies by Measure	9,558	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,273	\$ -	-	-	0.00
G214	Residential Showerheads	10	Varies by Measure	131,954	\$ 73,221	\$ 146,142	\$ 461,164	\$ 607,306	\$ -	\$ 219,363	\$ 680,527	\$ 1,137,037	\$ 202,926	\$ 629,535	\$ 680,783	\$ 1,051,838	3.35	2.75	2.86
G214	Single Family Weatherization	27	Varies by Measure	422,736	\$ 616,025	\$ 1,985,114	\$ 5,942,166	\$ 7,927,300	\$ -	\$ 2,601,139	\$ 8,543,325	\$ -	\$ 2,406,234	\$ 7,903,168	\$ 5,933,956	\$ -	2.47	0.75	0.83
G214	AARA Weatherization				\$ 3,085	\$ -	\$ -	\$ -	\$ -	\$ 3,085	\$ 3,085	\$ -	\$ 2,854	\$ 2,854	\$ -	\$ -	-	-	0.00
G214	Home Energy Reports**	1	Varies by Measure	251,283	\$ 344,235	\$ -	\$ -	\$ -	\$ -	\$ 344,235	\$ 344,235	\$ -	\$ 318,441	\$ 318,441	\$ 179,864	\$ -	0.56	0.56	0.62
G215	Single Family New Construction & Energy Star Manufactured Homes	18	Varies by Measure	612	\$ 6,585	\$ 3,600	\$ 2,310	\$ 5,910	\$ -	\$ 10,185	\$ 12,495	\$ -	\$ 9,422	\$ 11,559	\$ 6,837	\$ -	0.73	0.59	0.65
G214	Thermostats - Web Enabled	20	Varies by Measure	55,296	\$ 359,573	\$ 277,576	\$ -	\$ 277,576	\$ -	\$ 637,148	\$ 637,148	\$ -	\$ 589,406	\$ 589,406	\$ 661,463	\$ -	1.12	1.12	1.23
G217	Multifamily Existing	12	Varies by Measure	64,927	\$ 69,383	\$ 137,348	\$ 157,044	\$ 294,392	\$ -	\$ 206,731	\$ 363,775	\$ 22,516	\$ 191,240	\$ 336,517	\$ -	\$ 424,550	0.00	1.26	1.26
G218	Multifamily New Construction	13	Varies by Measure	60,856	\$ 111,149	\$ 195,772	\$ 2,884	\$ 198,656	\$ -	\$ 306,921	\$ 309,805	\$ 1,625	\$ 283,923	\$ 286,591	\$ 375,314	\$ 1,503	1.32	1.31	1.45
	<b>Total Residential Efficiency Programs</b>			<b>1,601,199</b>	<b>\$ 1,862,191</b>	<b>\$ 4,405,636</b>	<b>\$ 8,543,945</b>	<b>\$ 12,949,591</b>	<b>\$ 0</b>	<b>\$ 6,313,290</b>	<b>\$ 14,857,295</b>	<b>\$ 1,161,177</b>	<b>\$ 5,840,231</b>	<b>\$ 13,743,973</b>	<b>\$ 14,756,297</b>	<b>\$ 1,477,891</b>	<b>2.53</b>	<b>1.18</b>	<b>1.29</b>
G250	Commercial / Industrial Retrofit	13	Varies by Measure	886,607	\$ 173,162	\$ 2,864,472	\$ 2,879,772	\$ 5,744,244	\$ -	\$ 3,037,634	\$ 5,917,406	\$ -	\$ 2,810,022	\$ 5,474,011	\$ 7,538,491	\$ -	2.68	1.38	1.51
G251	Commercial/Industrial New Construction	14	Varies by Measure	56,384	\$ 72,201	\$ 227,261	\$ 119,341	\$ 346,602	\$ -	\$ 299,462	\$ 418,803	\$ -	\$ 277,023	\$ 387,422	\$ 482,121	\$ -	1.74	1.24	1.37
G208	Resource Conservation Manager	2	Varies by Measure	1,305,271	\$ 421,711	\$ 229,769	\$ 779,437	\$ 1,009,206	\$ -	\$ 651,480	\$ 1,430,917	\$ -	\$ 602,664	\$ 1,323,698	\$ 2,272,380	\$ -	3.77	1.72	1.89
G262	Commercial Rebates	5	Varies by Measure	2,689,003	\$ 184,843	\$ 476,077	\$ 270,202	\$ 746,279	\$ -	\$ 660,920	\$ 931,122	\$ -	\$ 611,397	\$ 861,353	\$ 7,423,285	\$ -	12.14	8.62	9.48
	<b>Total Commercial Programs</b>			<b>4,937,265</b>	<b>\$ 851,917</b>	<b>\$ 3,797,579</b>	<b>\$ 4,048,752</b>	<b>\$ 7,846,330</b>	<b>\$ -</b>	<b>\$ 4,649,496</b>	<b>\$ 8,698,248</b>	<b>\$ -</b>	<b>\$ 4,301,107</b>	<b>\$ 8,046,483</b>	<b>\$ 17,716,276</b>	<b>\$ -</b>	<b>4.12</b>	<b>2.20</b>	<b>2.42</b>
	<b>Customer Engagement &amp; Education</b>																		
	Energy Advisors				\$ 61,161	\$ -	\$ -	\$ -	\$ -	\$ 61,161	\$ 61,161	\$ -	\$ 56,578	\$ 56,578	\$ -	\$ -	-	-	-
	Events				\$ 48,047	\$ -	\$ -	\$ -	\$ -	\$ 48,047	\$ 48,047	\$ -	\$ 44,447	\$ 44,447	\$ -	\$ -	-	-	-
	Brochures				\$ 7,776	\$ -	\$ -	\$ -	\$ -	\$ 7,776	\$ 7,776	\$ -	\$ 7,193	\$ 7,193	\$ -	\$ -	-	-	-
	Education				\$ 8,355	\$ -	\$ -	\$ -	\$ -	\$ 8,355	\$ 8,355	\$ -	\$ 7,729	\$ 7,729	\$ -	\$ -	-	-	-
	<b>Total Customer Online Experience</b>																		
	Customer Online Experience				\$ 77,265	\$ -	\$ -	\$ -	\$ -	\$ 77,265	\$ 77,265	\$ -	\$ 71,475	\$ 71,475	\$ -	\$ -	-	-	-
	Automated Benchmarking				\$ 71,530	\$ -	\$ -	\$ -	\$ -	\$ 71,530	\$ 71,530	\$ -	\$ 66,170	\$ 66,170	\$ -	\$ -	-	-	-
	Market Integration				\$ 50,019	\$ -	\$ -	\$ -	\$ -	\$ 50,019	\$ 50,019	\$ -	\$ 46,271	\$ 46,271	\$ -	\$ -	-	-	-
	Energy Efficient Communities				\$ 71,253	\$ -	\$ -	\$ -	\$ -	\$ 71,253	\$ 71,253	\$ -	\$ 65,914	\$ 65,914	\$ -	\$ -	-	-	-
	Trade Ally Support				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-
	Marketing Research				\$ 31,883	\$ -	\$ -	\$ -	\$ -	\$ 31,883	\$ 31,883	\$ -	\$ 29,494	\$ 29,494	\$ -	\$ -	-	-	-
	<b>Total Portfolio Support</b>																		
	Conservation Supply Curves				\$ 34,703	\$ -	\$ -	\$ -	\$ -	\$ 34,703	\$ 34,703	\$ -	\$ 32,103	\$ 32,103	\$ -	\$ -	-	-	-
	Strategic Planning & Market Research				\$ 15,867	\$ -	\$ -	\$ -	\$ -	\$ 15,867	\$ 15,867	\$ -	\$ 14,678	\$ 14,678	\$ -	\$ -	-	-	-
	Program Evaluation				\$ 315,182	\$ -	\$ -	\$ -	\$ -	\$ 315,182	\$ 315,182	\$ -	\$ 291,565	\$ 291,565	\$ -	\$ -	-	-	-
	Program Support				\$ 57,934	\$ -	\$ -	\$ -	\$ -	\$ 57,934	\$ 57,934	\$ -	\$ 53,593	\$ 53,593	\$ -	\$ -	-	-	-
	Verification				\$ 105,810	\$ -	\$ -	\$ -	\$ -	\$ 105,810	\$ 105,810	\$ -	\$ 97,882	\$ 97,882	\$ -	\$ -	-	-	-
	<b>Total Research &amp; Compliance</b>																		
	<b>Grand Total All Gas Programs</b>	<b>9</b>		<b>6,538,464</b>	<b>\$ 2,714,109</b>	<b>\$ 8,203,215</b>	<b>\$ 12,592,696</b>	<b>\$ 20,795,911</b>	<b>\$ -</b>	<b>\$ 11,919,571</b>	<b>\$ 24,512,268</b>	<b>\$ 1,161,177</b>	<b>\$ 11,026,430</b>	<b>\$ 22,675,548</b>	<b>\$ 32,472,572</b>	<b>\$ 1,477,891</b>	<b>2.94</b>	<b>1.50</b>	<b>1.64</b>

Load shapes include:  
Lighting, Space Heat,  
Water Heat,  
Refrigeration,  
Commercial Cooking,  
Plug Load

"Time Zero" means the  
beginning of the current  
year.

\* The electric residential appliance program offers clothes washers which save both gas and electricity. The bulk of the savings is electric savings. Therefore, the gas savings are simply an extra non-electric benefit of the program. That is why there are no costs attached to these savings. Those program costs are all accounted for in the electric program costs. This is why there are gas savings with no program incentives, overhead, or customer costs.

\*\* The Home Energy Reports Utility Costs include \$213,120 which is associated with the 2014 100,000 customer expansion. Only \$131,115 is associated with the HER gas savings for 2013. If we calculate a utility benefit-cost ratio with only the \$131,115 dollars associated with the 2013 savings, we obtain a Utility Benefit-Cost Ratio of 1.48.

= indicates a sub-total of subordinate programs or offerings.

**Exhibit 5**  
Supplement 1

**Energy Efficiency Measures Sorted by Program and Fuel Type**

Deemed UES Values and Selected Calculated Measures

*Measures Effective During:* 2013

**Commercial/Industrial**

Electric

Schedule E250

CI Retrofit

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Device Controllers and Sensors**

Commercial Existing only

PC Power Manager	Software; networked or local; big fix cost	Custom	0.00	
PC Power Manager	Software; networked or local; verdiem cost	Custom	0.00	

- NOTES:**
- (1) The indicated measures and savings values represent values that were in effect at some point in time in 2012. A separate report, indicating measures retired in 2012 is included in this Annual Report as Exhibit 5, Supplement 2..
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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**CI New Construction**

**Commercial New only**

New Building Commissioning	Commissioning of energy related systems and verification of compliance. See SoS for savings calculation tool.	Calculated	0.00	0.00
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**Device Controllers and Sensors**

**Commercial New only**

PC Power Manager	Software; networked or local; big fix cost	Custom	0.00	
PC Power Manager	Software; networked or local; verdiem cost	Custom	0.00	

- NOTES:**
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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Lamps</b>				
	<b>Commercial Existing only</b>			
CFL	< 26 Watt	PSE Deemed	139.00	0.00
CFL	26 Watt to 39 Watt CFL	PSE Deemed	149.00	0.00
Integral LED Lamps and Recessed Down Lighting	Decorative	PSE Deemed	96.00	0.00
CFL	Equal to or greater than 40 Watt CFL	PSE Deemed	209.00	0.00
T8 Lamps	Low wattage, 26 to 28 Watts	PSE Deemed	15.00	0.00
T8 Lamps	Low wattage, Less than or equal to 25 Watts	PSE Deemed	26.00	0.00
Integral LED Lamps and Recessed Down Lighting	MR 16	PSE Deemed	159.00	0.00
Integral LED Lamps and Recessed Down Lighting	Omnidirectional	PSE Deemed	157.00	0.00
Integral LED Lamps and Recessed Down Lighting	PAR 20	PSE Deemed	127.00	0.00
Integral LED Lamps and Recessed Down Lighting	PAR 30	PSE Deemed	112.00	0.00
Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40 and screw in Recessed Can Retrofit Kits	PSE Deemed	122.00	0.00
CFL	Specialty, < 26 Watt	PSE Deemed	139.00	0.00
CFL	Specialty, 26 Watt to 39 Watt CFL	PSE Deemed	149.00	0.00

**Lighting Fixtures**

	<b>Commercial Existing only</b>			
LED Fixtures	Hard Wired Recessed Can Retrofit Kits	PSE Deemed	122.00	0.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Traffic Signals**

**Municipalities Existing only**

Ball	12" green	PSE Deemed	464.00	0.00
Arrow	12" green	RTF Deemed	194.00	0.00
Ball	12" red	RTF Deemed	584.00	0.00
Arrow	12" red	RTF Deemed	808.00	0.00
Ball	8" green	RTF Deemed	215.00	0.00
Ball	8" red	RTF Deemed	289.00	0.00
Module	Any yellow	PSE Deemed	30.00	0.00
Pedestrian	Crossing signal, red large	RTF Deemed	851.00	0.00
Pedestrian	Crossing signal, red small	RTF Deemed	498.00	0.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Aerator</b>				
	<b>Commercial or Industrial Existing or New</b>			
Hospitality	0.5 gpm aerators, annual savings	PSE Deemed	124.00	0.00
Aerators (Electric)	Hospitality Aerator Installation (Electric)	PSE Deemed	124.00	
Aerators (Electric)	Non-hospitality Aerator Installation (Electric)	PSE Deemed	2,423.00	
<b>Clothes Washers</b>				
	<b>Commercial or Industrial Existing or New</b>			
High-Efficiency, high use, MF laundries	CEE Qualified, PSE electric WH/PSE elect dryer	PSE Deemed	2,167.00	0.00
High-Efficiency, high use, MF laundries	CEE Qualified, PSE gas for WH/PSE elect for dryer	PSE Deemed	479.00	0.00

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Measure Heading

Measure Category Additional details, comments, equipment applications Savings Type kWh Savings Therm Savings

Cooking Equipment

Commercial or Industrial Existing or New

Hot Food Holding Cabinet	> 20 cubic feet (full size)	RTF Deemed	1,752.00	0.00
Hot Food Holding Cabinet	12 to 20 cubic feet (3/4 size)	RTF Deemed	1,314.00	0.00
Steamer, Connectionless	3 pan	PSE Deemed	8,023.00	0.00
Steamer, Connectionless	3 pan	PSE Deemed	8,023.00	0.00
Steamer, Connectionless	4 pan	PSE Deemed	10,697.00	0.00
Steamer, Connectionless	4 pan	PSE Deemed	10,697.00	0.00
Steamer, Connectionless	5 pan	PSE Deemed	13,371.00	0.00
Steamer, Connectionless	5 pan	PSE Deemed	13,371.00	0.00
Steamer, Connectionless	6 pan	PSE Deemed	16,046.00	0.00
Steamer, Connectionless	6 pan	PSE Deemed	16,046.00	0.00
Hot Food Holding Cabinet	7 to <12 cubic feet (1/2 size)	RTF Deemed	876.00	0.00
Fryer, Energy Star	Any qualified model or configuration	PSE Deemed	1,024.00	
Oven, Electric	Existing electric combination oven	PSE Deemed	18,432.00	
Oven, Electric	Existing electric combination oven	PSE Deemed	18,432.00	
Oven, Electric	Existing electric convection oven	PSE Deemed	2,262.00	
Oven, Electric	Existing electric convection oven	PSE Deemed	2,262.00	
Ice Makers	Greater than or equal to 500 pounds of ice per day	Calculated		0.00
Ice Maker, Water-Cooled (RETIRED 5-1-2013)	Ice-making head, various sizes. Check business calculator tool for specific savings, cost and incentive values	Calculated	0.00	
Ice Maker, Air-Cooled (RETIRED 5-01-2013)	Ice-making head, various sizes. Check business calculator tool for specific savings, cost and incentive values	Calculated	0.00	

- NOTES:**
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  - (4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
Ice Makers	Less than or equal to 500 pounds of ice per day	Calculated		0.00
Ice Maker, Air-Cooled (RETIRED 5-01-2013)	Remote Condensing Unit, various sizes. Check business calculator tool for specific savings, cost and incentive values	Calculated	0.00	
Ice Maker, Water-Cooled (RETIRED 5-1-2013)	Remote condensing unit, various sizes. Check business calculator tool for specific savings, cost and incentive values	Calculated	0.00	

**Device Controllers and Sensors**

**Commercial or Industrial Existing or New**

Lighting	Hospitality Restrooms	Calculated	0.00	
HVAC	Occupancy Sensor Hospitality, Full Service	Calculated	500.00	
HVAC	Occupancy Sensor Hospitality, Limited Service	Calculated	250.00	
Lighting	Occupancy Sensors controlling indoor lighting	Calculated		0.00
Lighting	Photo-Electric Controls	Calculated	0.00	0.00
Cooler/Misers	Refrigerator beverage cooler controller	RTF Deemed	1,160.00	0.00
Thermostat	Seven-Day Programmable Thermostat	Calculated	0.00	0.00
PC Power Manager	Software; networked or local; installed on enterprise servers	RTF Deemed	115.00	
Thermostat, Portable Classroom, 365-day Programmable	The addition of lighting controls to 365-day thermostat	Calculated	315.00	
Thermostat, Portable Classroom, 365-day Programmable	The addition of occupancy based damper controls to 365-day thermostat	Calculated	765.00	

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Measure Heading

Measure Category Additional details, comments, equipment applications Savings Type kWh Savings Therm Savings

Dishwashers

Commercial or Industrial Existing or New

Multi Tank Conveyor, PSE provides electricity	High Temperature, elec WH, elec booster	PSE Deemed	33,685.00	0.00
Door Type, PSE provides electricity	High Temperature, elec WH, elec booster	PSE Deemed	13,950.00	0.00
Single Tank Conveyor, PSE provides electricity	High Temperature, elec WH, elec booster	PSE Deemed	18,972.00	0.00
Single Tank Conveyor, PSE provides electricity	High Temperature, elec WH, elec booster	PSE Deemed	18,972.00	0.00
Multi Tank Conveyor, PSE provides electricity	High Temperature, elec WH, elec booster	PSE Deemed	33,685.00	0.00
Door Type, PSE provides electricity	High Temperature, elec WH, elec booster	PSE Deemed	13,950.00	0.00
Multi Tank Conveyor, PSE provides electricity	High Temperature, elec WH, gas booster	PSE Deemed	17,225.00	0.00
Door Type, PSE provides electricity	High Temperature, elec WH, gas booster	PSE Deemed	8,948.00	0.00
Door Type, PSE provides electricity	High Temperature, elec WH, gas booster	PSE Deemed	8,948.00	0.00
Under Counter, PSE provides electricity	High Temperature, elec WH, gas booster	PSE Deemed	4,689.00	0.00
Under Counter, PSE provides electricity	High Temperature, elec WH, gas booster	PSE Deemed	4,689.00	0.00
Multi Tank Conveyor, PSE provides electricity	High Temperature, elec WH, gas booster	PSE Deemed	21,436.00	0.00
Under Counter, PSE provides electricity	High Temperature, elect WH, elec booster	PSE Deemed	7,369.00	0.00
Under Counter, PSE provides electricity	High Temperature, elect WH, elec booster	PSE Deemed	7,369.00	0.00
Single Tank Conveyor, PSE provides electricity	High Temperature, elect WH, gas booster	PSE Deemed	12,701.00	0.00
Single Tank Conveyor, PSE provides electricity	High Temperature, elect WH, gas booster	PSE Deemed	12,701.00	0.00
Multi Tank Conveyor, PSE provides electricity	High Temperature, gas WH, elec booster	PSE Deemed	12,249.00	
Single Tank Conveyor, PSE provides electricity	High Temperature, gas WH, elec booster	PSE Deemed	7,998.00	
Single Tank Conveyor, PSE provides electricity	High Temperature, gas WH, elec booster	PSE Deemed	7,998.00	
Door Type, PSE provides electricity	High Temperature, gas WH, elec booster	PSE Deemed	5,197.00	

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Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
Door Type, PSE provides electricity	High Temperature, gas WH, elec booster	PSE Deemed	5,197.00	
Under Counter, PSE provides electricity	High Temperature, gas WH, elec booster	PSE Deemed	2,680.00	0.00
Multi Tank Conveyor, PSE provides electricity	High Temperature, gas WH, elec booster	PSE Deemed	12,249.00	
Under Counter, PSE provides electricity	High Temperature, gas WH, elec booster	PSE Deemed	2,680.00	0.00
Under Counter, PSE provides electricity	Low Temperature, elec WH	PSE Deemed	1,196.00	0.00
Multi Tank Conveyor, PSE provides electricity	Low Temperature, elec WH	PSE Deemed	17,225.00	0.00
Single Tank Conveyor, PSE provides electricity	Low Temperature, elec WH	PSE Deemed	11,228.00	0.00
Door Type, PSE provides electricity	Low Temperature, elec WH	PSE Deemed	11,969.00	0.00
Door Type, PSE provides electricity	Low Temperature, elec WH	PSE Deemed	11,969.00	0.00
Under Counter, PSE provides electricity	Low Temperature, elec WH	PSE Deemed	1,196.00	0.00
Multi Tank Conveyor, PSE provides electricity	Low Temperature, elec WH	PSE Deemed	17,225.00	0.00
Single Tank Conveyor, PSE provides electricity	Low Temperature, elect WH	PSE Deemed	11,228.00	0.00
Single Tank Conveyor, PSE provides electricity	Low Temperature, elect WH	PSE Deemed	11,228.00	0.00
Under Counter, PSE provides electricity	Low Temperature, elect WH	PSE Deemed	1,195.00	0.00

Drives

	Commercial or Industrial	Existing or New		
variable speed		On fan motors	Calculated	0.00
variable speed		On pump motors	Calculated	0.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Gas Boiler Tune ups & Cleaning**

**Commercial or Industrial Existing or New**

Boiler Tune & Cleaning	Boiler Cleaning and Tune-up: Kettle Boiler	Calculated		24.00
Boiler Tune & Cleaning	Boiler Cleaning and Tune-up: Tube Boiler	Calculated		87.00
Boiler Tune & Cleaning	Boiler Cleaning: Kettle Boiler	Calculated		10.50
Boiler Tune & Cleaning	Boiler Cleaning: Tube Boiler	Calculated		74.10
Boiler Tune & Cleaning	Boiler Tune-Up: Kettle Boiler	Calculated		13.00
Boiler Tune & Cleaning	Boiler Tune-Up: Tube Boiler	Calculated		13.00

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Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>HVAC</b>				
	<b>Commercial or Industrial Existing or New</b>			
HVAC Retrofit	Fast Food Restaurant, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	Fast Food Restaurant, Heat Pump. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	Fast Food Restaurants, All Electric. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Office, all electric, per ton, > 20 ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Office, all electric, per ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	Office, All Electric. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Office, gas pack, per ton, > 20 ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Office, gas pack, per ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	Office, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Office, heat pump, per ton, > 20 ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Office, heat pump, per ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	Office, Heat Pump. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	Office. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
High Efficiency Commercial Heat Pump	Per ton	Calculated		

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Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
High Efficiency Commercial Air Conditioners	Per ton	Calculated		
HVAC Retrofit	Restaurant, All Electric. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	Restaurant, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	Restaurant, Heat Pump. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Retail, all electric, per ton, > 20 ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Retail, all electric, per ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	Retail, All Electric. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Retail, gas pack, per ton, >20 ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Retail, gas pack, per ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	Retail, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Retail, heat pump, per ton, > 20 ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Retail, heat pump, per ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	Retail, Heat Pump. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	School, All Electric. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	School, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	School, Heat Pump. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
Premium HVAC Service	Specialty retail, all electric, per ton, > 20 ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Specialty retail, all electric, per ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Specialty retail, gas pack, per ton, >20 ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Specialty retail, gas pack, per ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Specialty retail, heat pump, per ton, >20 ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Specialty retail, heat pump, per ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00

**Insulation**

	Commercial or Industrial	Existing or New		
Pipe	DHW Pipe Insulation: Electric Tank		PSE Deemed	164.00
Pipe	DHW Pipe Insulation: Gas-Fired Tank		PSE Deemed	7.00
Water Heater	Water heater Insulation		PSE Deemed	539.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Lamps</b>				
	<b>Commercial or Industrial Existing or New</b>			
CFL	< 26 Watt	PSE Deemed	139.00	0.00
CFL	< 26 Watt reflector	PSE Deemed	155.00	0.00
CFL	< 26 Watt specialty lamp- globe	PSE Deemed	155.00	0.00
CFL	<26 Watt CFL	PSE Deemed	155.00	0.00
CFL	26 Watt to 39 Watt CFL	PSE Deemed	149.00	0.00
Ceramic Metal Halide	Ceramic Metal Halide 22-28 watts	PSE Deemed	172.00	0.00
Integral LED Lamps and Recessed Down Lighting	Decorative	PSE Deemed	155.00	0.00
Integral LED Lamps and Recessed Down Lighting	Decorative	PSE Deemed	96.00	0.00
CFL	Equal to or greater than 40 Watt CFL	PSE Deemed	209.00	0.00
T8 Lamps	Low wattage, 26 to 28 Watts	PSE Deemed	15.00	0.00
T8 Lamps	Low wattage, Less than or equal to 25 Watts	PSE Deemed	26.00	0.00
Integral LED Lamps and Recessed Down Lighting	MR 16	PSE Deemed	159.00	0.00
Integral LED Lamps and Recessed Down Lighting	MR 16	PSE Deemed	177.00	0.00
Integral LED Lamps and Recessed Down Lighting	Omnidirectional	PSE Deemed	291.00	0.00
Integral LED Lamps and Recessed Down Lighting	Omnidirectional	PSE Deemed	157.00	0.00
Integral LED Lamps and Recessed Down Lighting	PAR 20	PSE Deemed	175.00	0.00
Integral LED Lamps and Recessed Down Lighting	PAR 20	PSE Deemed	127.00	0.00
Integral LED Lamps and Recessed Down Lighting	PAR 30	PSE Deemed	229.00	0.00
Integral LED Lamps and Recessed Down Lighting	PAR 30	PSE Deemed	112.00	0.00
Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40	PSE Deemed	235.00	0.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40 and Screw in Recessed Can Retrofit Kits	PSE Deemed	122.00	0.00
CFL	Specialty, < 26 Watt	PSE Deemed	139.00	0.00
CFL	Specialty, 26 Watt to 39 Watt CFL	PSE Deemed	149.00	0.00

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Measure Heading

Measure Category Additional details, comments, equipment applications Savings Type kWh Savings Therm Savings

Lighting Fixtures

Commercial or Industrial Existing or New

Linear Fluorescent Retrofit Delamp	2 Lamp F96T12 to 2 Lamp F28T8 .78 Ballast Factor	PSE Deemed	325.00	0.00
T8 Fluorescent	2 lamp Incandescent (80W) to 2' T8 in Restroom	PSE Deemed	209.00	0.00
Linear Fluorescent Retrofit Delamp	3 Lamp F40T12 to 2 Lamp F28T8 .78 Ballast Factor	PSE Deemed	370.00	0.00
Linear Fluorescent Retrofit Delamp	3 Lamp F40T12ES to 2 Lamp F28T8 .78 Ballast Factor	PSE Deemed	292.00	0.00
T8 Fluorescent	3 lamp Incandescent (120W) to 2' T8 in Restroom	PSE Deemed	370.00	0.00
Linear Fluorescent Retrofit Delamp	4 Lamp F40T12 to 2 Lamp F28T8 .78 Ballast Factor	PSE Deemed	542.00	0.00
Linear Fluorescent Retrofit Delamp	4 Lamp F40T12 to 3 Lamp F28T8 .78 Ballast Factor	PSE Deemed	452.00	0.00
Linear Fluorescent Retrofit Delamp	4 Lamp F40T12ES to 2 Lamp F28T8 .78 Ballast Factor	PSE Deemed	411.00	0.00
Linear Fluorescent Retrofit Delamp	4 Lamp F40T12ES to 3 Lamp F28T8 .78 Ballast Factor	PSE Deemed	320.00	0.00
T8 Fluorescent	4 lamp Incandescent (160W) to 3' T8 in Restroom	PSE Deemed	477.00	0.00
T8 Fluorescent	6 lamp Incandescent (240W) to 4' T8 in Restroom	PSE Deemed	805.00	0.00
Bi-level	F32T8 to Bi-Level Lighting	PSE Deemed	277.00	0.00
T8 Fluorescent	F34T12 to F28T8 .78 Ballast Factor- 1 Lamp fixture	PSE Deemed	86.00	0.00
T8 Fluorescent	F34T12 to F28T8 .78 Ballast Factor- 2 Lamp fixture	PSE Deemed	115.00	0.00
T8 Fluorescent	F34T12 to F28T8 .78 Ballast Factor- 3 Lamp fixture	PSE Deemed	201.00	0.00
T8 Fluorescent	F34T12 to F28T8 .78 Ballast Factor- 4 Lamp fixture	PSE Deemed	234.00	0.00
Bi-level	F40T12 to Bi-level Lighting	PSE Deemed	557.00	0.00
T8 Fluorescent	F40T12 to F28T8 .78 Ballast Factor- 1 Lamp fixture	PSE Deemed	99.00	0.00
T8 Fluorescent	F40T12 to F28T8 .78 Ballast Factor- 2 Lamp fixture	PSE Deemed	181.00	0.00
T8 Fluorescent	F40T12 to F28T8 .78 Ballast Factor- 3 Lamp fixture	PSE Deemed	279.00	0.00

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Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
T8 Fluorescent	F40T12 to F28T8 .78 Ballast Factor- 4 Lamp fixture	PSE Deemed	366.00	0.00
Bi-level	F40T12ES To Bi-level Lighting	PSE Deemed	417.00	0.00
T8 Fluorescent	F96T12 to F28T8 .78 Ballast Factor- 1 Lamp fixture	PSE Deemed	123.00	0.00
T8 Fluorescent	F96T12 to F28T8 .78 Ballast Factor- 2 Lamp fixture	PSE Deemed	148.00	0.00
T8 Fluorescent	F96T12 to F28T8 .78 Ballast Factor- 4 Lamp fixture	PSE Deemed	148.00	0.00
T8 Fluorescent	F96T12HO to F28T8 .88 Ballast Factor- 1 Lamp fixture	PSE Deemed	304.00	0.00
T8 Fluorescent	F96T12HO to F28T8 .88 Ballast Factor- 2 Lamp fixture	PSE Deemed	444.00	0.00
T8 Fluorescent	F96T12HO to F28T8 .88 Ballast Factor- 4 Lamp fixture	PSE Deemed	444.00	0.00
LED Fixtures	Hard Wired Recessed Can Retrofit Kits	PSE Deemed	122.00	0.00

Lighting Systems

	Commercial or Industrial	Existing or New			
Comprehensive Projects - Tier 2	Comprehensive projects, encompassing indoor and outdoor fixtures and lamps, whole systems		Calculated	0.00	0.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Refrigerators**

**Commercial or Industrial Existing or New**

Electronically Commutated Motors	Evap. Motors: Shaded Pole to ECM in Display Cases	RTF Deemed		0.00
Electronically Commutated Motors	Evap. Motors: Shaded Pole to ECM in Walk-ins	RTF Deemed		0.00
Bare Refrigeration Suction Line Insulation	Low Temperature (Freezer) Suction Line Insulation	PSE Deemed	9.20	0.00
Bare Refrigeration Suction Line Insulation	Medium Temperature (Cooler) Suction Line Insulation	PSE Deemed	4.00	0.00
Door Gasket	Refrigeration Door Gasket- for Reach-in Glass Doors, Low Temperature	RTF Deemed		
Door Gasket	Refrigeration Door Gasket- for Reach-in Glass Doors, Medium Temperature	RTF Deemed		
Door Gasket	Refrigeration Door Gasket- for Walk-in Doors, Low Temperature	RTF Deemed		
Door Gasket	Refrigeration Door Gasket- for Walk-in Doors, Medium Temperature	RTF Deemed		
Strip Curtains	Strip Curtains Walk-in Cooler	RTF Deemed		0.00
Strip Curtains	Strip Curtains Walk-in Freezer	RTF Deemed		0.00

**Showerheads**

**Commercial or Industrial Existing or New**

Reduced- Flow Showerhead Electrically- heated DHW	Reduced- Flow Showerhead - Electrically- heated DHW	RTF Deemed		0.00
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Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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Signs

Commercial or Industrial Existing or New

LED Open Sign	LED Open Sign replacing Neon	PSE Deemed	125.00	0.00
LED Exit	New Exit Sign	PSE Deemed	230.00	0.00
LED Exit	Retrofit CFL to LED--Retrofit applications only (considered standard for new construction)	Calculated	0.00	0.00
LED Exit	Retrofit Exit Sign	PSE Deemed	230.00	0.00
LED Exit	Retrofit incandescent fixture to LED	Calculated	0.00	0.00

Spray Valves

Commercial or Industrial Existing or New

Pre-Rinse Electric	0.6 gpm xn if 1.6 gpm prev xn'd	PSE Deemed	2,613.00	
Pre-Rinse Electric	0.6 gpm xn if 2.2 gpm prev xn'd	PSE Deemed	5,511.00	
Pre-Rinse Electric	0.6 gpm xn if 2.6 gpm prev xn'd	PSE Deemed	8,457.00	
Pre-Rinse Electric	0.6 gpm xn if head not prev supplied	PSE Deemed	11,355.00	
Pre-Rinse Electric	1.0 gpm xn if 1.6 gpm prev xn'd	PSE Deemed	1,140.00	
Pre-Rinse Electric	1.0 gpm xn if 2.2 gpm prev xn'd	PSE Deemed	4,038.00	
Pre-Rinse Electric	1.0 gpm xn if 2.6 gpm prev xn'd	PSE Deemed	6,984.00	
Pre-Rinse Electric	1.0 gpm xn if head not prev supplied	PSE Deemed	9,882.00	
Pre-Rinse Electric	1.6 gpm xn if 2.2 gpm prev xn'd	PSE Deemed	2,898.00	
Pre-Rinse Electric	1.6 gpm xn if 2.6 gpm prev xn'd	PSE Deemed	5,844.00	
Pre-Rinse Electric	1.6 gpm xn if head not prev supplied	PSE Deemed	8,742.00	

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Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Aerator</b>				
<b>Commercial or Industrial Existing or New</b>				
Hospitality	0.5 gpm aerators, annual savings	PSE Deemed		5.30
Aerators (Gas)	Hospitality Aerator Installation (Gas)	PSE Deemed		5.20
Aerators (Gas)	Non-hospitality Aerator Installation (Gas)	PSE Deemed		133.00
<b>Boilers</b>				
<b>Commercial or Industrial Existing or New</b>				
Full svc restaurant boiler, at least 92% efficient	670 MBH; Check business calculator tool at indicated link for per-unit savings, costs and incentive amount.	Calculated		0.00
Full svc restaurant boiler, at least 92% efficient	Check business calculator tool at indicated link for per-unit savings, costs and incentive amount.	Calculated		0.00
<b>Clothes Washers</b>				
<b>Commercial or Industrial Existing or New</b>				
High-Efficiency, high use, MF laundries	PSE gas water heat, PSE gas and PSE electric for dryer	PSE Deemed		105.00
High-Efficiency, high use, MF laundries	PSE gas water heat, PSE gas/no PSE electric for dryer	PSE Deemed		105.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Cooking Equipment**

	Commercial or Industrial	Existing or New		
Steamer, Connectionless	3 pan		PSE Deemed	340.00
Steamer, Connectionless	3 pan		PSE Deemed	340.00
Steamer, Connectionless	4 pan		PSE Deemed	306.00
Steamer, Connectionless	4 pan		PSE Deemed	306.00
Steamer, Connectionless	5 pan		PSE Deemed	276.00
Steamer, Connectionless	5 pan		PSE Deemed	276.00
Steamer, Connectionless	6 pan		PSE Deemed	244.00
Steamer, Connectionless	6 pan		PSE Deemed	244.00
Fryer, Energy Star	Any qualified model or configuration		PSE Deemed	292.00
Oven, Gas	Existing gas combination oven		PSE Deemed	1,164.00
Oven, Gas	Existing gas convection oven		PSE Deemed	323.00
Oven, Gas	Existing gas convection oven		PSE Deemed	323.00
Oven, Gas	Existing gas double rack oven		PSE Deemed	2,104.00
Oven, Gas	Existing gas double rack oven		PSE Deemed	2,104.00
Oven, Gas	Existing gas single rack oven		PSE Deemed	1,034.00
Oven, Gas	Existing gas single rack oven		PSE Deemed	1,034.00

**Device Controllers and Sensors**

	Commercial or Industrial	Existing or New		
Thermostat	Seven-Day Programmable Thermostat		Calculated	0.00 0.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Dishwashers**

**Commercial or Industrial Existing or New**

Single Tank Conveyor, PSE provides gas	High temp, elec WH, gas booster	PSE Deemed		254.00
Single Tank Conveyor, PSE provides gas	High temp, elec WH, gas booster	PSE Deemed		254.00
Single Tank Conveyor, PSE provides gas	High temp, gas WH, elec booster	PSE Deemed		508.00
Single Tank Conveyor, PSE provides gas	High temp, gas WH, elec booster	PSE Deemed		508.00
Door Type, PSE provides gas	High temp, gas WH, elect. Booster	PSE Deemed		405.00
Door Type, PSE provides gas	High temp, gas WH, elect. Booster	PSE Deemed		405.00
Single Tank Conveyor, PSE provides gas	High temp, gas WH, gas booster	PSE Deemed		762.00
Door Type, PSE provides gas	High temp, gas WH, gas Booster	PSE Deemed		608.00
Door Type, PSE provides gas	High temp, gas WH, gas Booster	PSE Deemed		608.00
Single Tank Conveyor, PSE provides gas	High temp, gas WH, gas booster	PSE Deemed		762.00
Multi Tank Conveyor, PSE provides gas	High temperature, elec WH, gas booster	PSE Deemed		496.00
Door Type, PSE provides gas	High temperature, elec WH, gas booster	PSE Deemed		203.00
Door Type, PSE provides gas	High temperature, elec WH, gas booster	PSE Deemed		203.00
Under Counter, PSE provides gas	High Temperature, elec WH, gas booster	PSE Deemed		109.00
Multi Tank Conveyor, PSE provides gas	High temperature, elec WH, gas booster	PSE Deemed		496.00
Under Counter, PSE provides gas	High Temperature, elec WH, gas booster	PSE Deemed		109.00
Under Counter, PSE provides gas	High Temperature, gas building hot water, elec booster	PSE Deemed		217.00
Under Counter, PSE provides gas	High Temperature, gas building hot water, elec booster	PSE Deemed		217.00
Multi Tank Conveyor, PSE provides gas	High temperature, gas WH, elec booster	PSE Deemed		993.00
Multi Tank Conveyor, PSE provides gas	High temperature, gas WH, elec booster	PSE Deemed		993.00

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Multi Tank Conveyor, PSE provides gas	High temperature, gas WH, gas booster	PSE Deemed		1,489.00
Multi Tank Conveyor, PSE provides gas	High temperature, gas WH, gas booster	PSE Deemed		1,489.00
Under Counter, PSE provides gas	High Temperature, gas WH, gas booster	PSE Deemed		326.00
Under Counter, PSE provides gas	High Temperature, gas WH, gas booster	PSE Deemed		326.00
Door Type, PSE provides gas	Low temp, gas WH	PSE Deemed		554.00
Door Type, PSE provides gas	Low temp, gas WH	PSE Deemed		554.00
Single Tank Conveyor, PSE provides gas	Low temp, gas WH	PSE Deemed		520.00
Single Tank Conveyor, PSE provides gas	Low temp, gas WH	PSE Deemed		520.00
Under Counter, PSE provides gas	Low Temperature, gas WH	PSE Deemed		55.00
Under Counter, PSE provides gas	Low Temperature, gas WH	PSE Deemed		55.00
Multi Tank Conveyor, PSE provides gas	Low temperature, gas WH	PSE Deemed		798.00
Multi Tank Conveyor, PSE provides gas	Low temperature, gas WH	PSE Deemed		798.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>HVAC</b>				
<b>Commercial or Industrial Existing or New</b>				
HVAC Retrofit	Fast Food Restaurant, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	Office, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Office/gas, gas pack, per ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	Restaurant, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	Retail, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Retail/gas, gas pack, per ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
HVAC Retrofit	School, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Specialty retail/gas, gas pack, per ton. Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00
Premium HVAC Service	Various configurations, savings values & measure costs -- calculated measure	Calculated	0.00	0.00

**Insulation**

<b>Commercial or Industrial Existing or New</b>				
Water Heater	Water heater Insulation	PSE Deemed		21.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Lighting Fixtures**

	Commercial or Industrial	Existing or New			
HID Retrofits	1000W HID to 400W e-HID		PSE Deemed	2,670.00	0.00
HID Retrofits	175W HID to 100W Ceramic Metal Halide		PSE Deemed	411.00	0.00
HID Retrofits	250W HID to 175 W Pulse-Start Metal Halide		PSE Deemed	394.00	0.00
HID Retrofits	400W HID to 200W e-HID		PSE Deemed	1,015.00	0.00
HID Retrofits	400W HID to 6 Lamp F28T8 High Ballast Factor		PSE Deemed	1,076.00	0.00
Refrigerated Vertical Reach-In Case Lighting	LED Refrigerated Case Lighting Retrofit- 5ft T12 to 5ft LED		PSE Deemed	567.00	0.00
Refrigerated Vertical Reach-In Case Lighting	LED Refrigerated Case Lighting Retrofit- 5ft T8 to 5ft LED		PSE Deemed	217.00	0.00
Refrigerated Vertical Reach-In Case Lighting	LED Refrigerated Case Lighting Retrofit- 6ft T12 to 6ft LED		PSE Deemed	680.00	0.00
Refrigerated Vertical Reach-In Case Lighting	LED Refrigerated Case Lighting Retrofit- 6ft T18 to 6ft LED		PSE Deemed	261.00	0.00

**Showerheads**

	Commercial or Industrial	Existing or New			
Reduced-Flow Showerhead Natural Gas- heated DHW	Reduced-Flow Showerhead Natural Gas- heated DHW		RTF Deemed		9.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Spray Valves**

	Commercial or Industrial	Existing or New		
Pre-Rinse Gas	0.6 gpm xn if 1.6 gpm prev xn'd		PSE Deemed	147.00
Pre-Rinse Gas	0.6 gpm xn if 2.2 gpm prev xn'd		PSE Deemed	310.00
Pre-Rinse Gas	0.6 gpm xn if 2.6 gpm prev xn'd		PSE Deemed	476.00
Pre-Rinse Gas	0.6 gpm xn if head not prev supplied		PSE Deemed	639.00
Pre-Rinse Gas	1.0 gpm xn if 1.6 gpm prev xn'd		PSE Deemed	64.00
Pre-Rinse Gas	1.0 gpm xn if 2.2 gpm prev xn'd		PSE Deemed	227.00
Pre-Rinse Gas	1.0 gpm xn if 2.6 gpm prev xn'd		PSE Deemed	393.00
Pre-Rinse Gas	1.0 gpm xn if head not prev supplied		PSE Deemed	557.00
Pre-Rinse Gas	1.6 gpm xn if 2.2 gpm prev xn'd		PSE Deemed	163.00
Pre-Rinse Gas	1.6 gpm xn if 2.6 gpm prev xn'd		PSE Deemed	329.00
Pre-Rinse Gas	1.6 gpm xn if head not prev supplied		PSE Deemed	492.00

**Water Heat**

	Commercial or Industrial	Existing or New		
Full svc restaurant water heater, > 75,000 btu/hr and at least 92% efficient	199 MBH		Calculated	0.00
Full svc restaurant water heater, > 75,000 btu/hr and at least 92% efficient	399 MBH		Calculated	0.00
Full svc restaurant water heater, > 75,000 btu/hr and at least 92% efficient	Check business calculator tool at indicated link for per-unit savings, costs and incentive amount		Calculated	0.00

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**Residential**

**Electric**

Schedule E201 Low Income Weatherization

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Common Area Measures**

**Multi Family Existing or New**

Pool Heat	Custom engineering calculation	Custom		0.00
Lighting	Variety of lighting measures--customer engineering calculations	Custom	0.00	0.00

**Duct Sealing**

**Manufactured Home Existing or New**

with other measures	Unconditioned spaces; Combination of savings values from FAF-no AC & heat pump	PSE Deemed	590.00	
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**Single Family Existing or New**

with other measures	Unconditioned spaces; Combination of savings values from FAF-no AC & heat pump	PSE Deemed	1,379.00	
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**Heat Pumps**

**Manufactured Home Existing or New**

Ductless, Manufactured Homes	7.7 HSPF/13 SEER	PSE Deemed	3,400.00	0.00
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**Single Family Existing or New**

Ductless	1 ton or greater, inverter driven compressor, at least one indoor unit	RTF Deemed	3,500.00	0.00
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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>HVAC</b>				
	<b>Manufactured Home Existing or New</b>			
Whole House Ventilation	Energy Star Whole-house fan	PSE Deemed	128.00	0.00
	<b>Multi Family Existing or New</b>			
Whole House Ventilation	Energy Star Whole-house fan	PSE Deemed	128.00	0.00
	<b>Single Family Existing or New</b>			
Whole House Ventilation	Energy Star Whole-house fan	PSE Deemed	128.00	0.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Insulation**

**Manufactured Home Existing or New**

Wall	R-0 to R-11	RTF Deemed	1.68	
Wall	R-0 to R-11	RTF Deemed	1.79	
Attic	R-0 to R-19	RTF Deemed	0.50	
Floor	R-0 to R-22	RTF Deemed	1.16	
Floor	R-0 to R-30	RTF Deemed	1.47	
Attic	R-0 to R-30	RTF Deemed	0.84	
Floor	R-11 to R-22	RTF Deemed	0.59	
Attic	R-11 to R-33	RTF Deemed	1.01	

**Multi Family Existing or New**

Duct	R-0 to R-11	PSE Deemed	4.65	
Wall	R-0 to R-11	RTF Deemed	1.30	
Floor	R-0 to R-19	RTF Deemed	1.04	
Attic	R-0 to R-19	RTF Deemed	1.59	
Floor	R-0 to R-30	RTF Deemed	1.30	
Attic	R-0 to R-38	RTF Deemed	2.18	
Attic	R-0 to R-38	PSE Deemed	2.30	
Floor	R-11 to R-30	RTF Deemed	0.66	
Attic	R-11 to R-38	RTF Deemed	1.39	
Attic	R-19 to R-38	RTF Deemed	0.58	
Attic	R-19 to R-38	PSE Deemed	0.61	

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
		Single Family	Existing or New	
Duct	R-0 to R-11	PSE Deemed	4.65	
Wall	R-0 to R-11	PSE Deemed	1.38	
Floor	R-0 to R-19	PSE Deemed	1.01	
Attic	R-0 to R-19	PSE Deemed	1.39	
Floor	R-0 to R-30	PSE Deemed	1.21	
Attic	R-0 to R-38	PSE Deemed	1.91	
Floor	R-11 to R-30	PSE Deemed	6.00	
Floor	R-11 to R-30	PSE Deemed	0.65	
Attic	R-11 to R-38	PSE Deemed	1.22	
Attic	R-19 to R-38	PSE Deemed	0.51	

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Lamps**

		<b>Manufactured Home</b>	<b>Existing or New</b>		
LED Lamps	LED Downlighting, Directly Installed	RTF Deemed	35.00	0.00	
CFL Energy Star®	No maximum amount	RTF Deemed	37.00		
CFL Energy Star®	Weighted avg of all	RTF Deemed	23.00		
		<b>Multi Family</b>	<b>Existing or New</b>		
LED Lamps	LED Downlighting, Directly Installed	RTF Deemed	35.00	0.00	
CFL Energy Star®	No maximum amount	RTF Deemed	37.00		
CFL Energy Star®	weighted avg of all	RTF Deemed	23.00		
		<b>Single Family</b>	<b>Existing or New</b>		
LED Lamps	LED Downlighting, Directly Installed	RTF Deemed	35.00	0.00	
CFL Energy Star®	No maximum amount	RTF Deemed	37.00		
CFL Energy Star®	Wieghted average, all	RTF Deemed	23.00		

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Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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Lighting Fixtures

Manufactured Home Existing or New

CFL Energy Star®	Any interior or exterior fixture	RTF Deemed	74.00	
CFL Energy Star®	Any interior or exterior fixture	RTF Deemed	49.00	
CFL Energy Star®	Any interior or exterior fixtures	RTF Deemed	65.00	0.00
CFL Energy Star®	GU-24 pin-type	PSE Deemed	33.00	0.00
LED Fixtures	LED fixtures replacing incandescent base	RTF Deemed	61.00	0.00
CFL Energy Star®	Socket lock-it	PSE Deemed	37.00	

Multi Family Existing or New

CFL Energy Star®	Any fixture	RTF Deemed	74.00	
CFL Energy Star®	Any fixture	RTF Deemed	65.00	0.00
CFL Energy Star®	Any fixture	RTF Deemed	74.00	0.00
CFL Energy Star®	Any fixture, weighted avg	RTF Deemed	49.00	0.00
CFL Energy Star®	GU-24 pin-type	PSE Deemed		0.00
LED Fixtures	LED fixtures replacing incandescent base	RTF Deemed	61.00	0.00
CFL Energy Star®	Socket lock-it	PSE Deemed	37.00	0.00

Single Family Existing or New

CFL Energy Star®	Any fixture	RTF Deemed	74.00	
CFL Energy Star®	Any fixture	RTF Deemed	65.00	0.00
CFL Energy Star®	Any fixture, weighted avg	RTF Deemed	49.00	
CFL Energy Star®	GU-24 pin-type	PSE Deemed	33.00	0.00
LED Fixtures	LED fixtures replacing incandescent base	RTF Deemed	61.00	0.00

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**Residential**

**Electric**

Schedule E201 Low Income Weatherization

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
CFL Energy Star®	Socket lock-it	PSE Deemed	37.00	

**Pipe Wrap**

		Manufactured Home Existing or New		
Water heater	Min 3 feet		RTF Deemed	20.00
		Multi Family Existing or New		
Water heater	Min 3 feet		RTF Deemed	20.00
		Single Family Existing or New		
Water heater	Min 3 feet		RTF Deemed	20.00

**Refrigerators**

		Manufactured Home Existing or New			
Replacements	not an incremental value		PSE Deemed	755.00	0.00
Replacements	not an incremental value		PSE Deemed	755.00	0.00
		Multi Family Existing or New			
Replacements	not an incremental value		PSE Deemed	755.00	0.00
Replacements	not an incremental value		PSE Deemed	755.00	0.00
		Single Family Existing or New			
Replacements	not an incremental value		PSE Deemed	755.00	0.00
Replacements	not an incremental value		PSE Deemed	755.00	0.00

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**Residential**

**Electric**

Schedule E201

Low Income Weatherization

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Showerheads**

		Manufactured Home	Existing or New		
2.0 gpm or less	any water heat, any shower			PSE Deemed	175.00
2.0 gpm or less	any water heat, any shower			RTF Deemed	139.00
		Multi Family	Existing or New		
2.0 gpm or less	any water heat, any shower			RTF Deemed	139.00
2.0 gpm or less	any water heat, any shower			PSE Deemed	114.00
		Single Family	Existing or New		
2.0 gpm or less	any water heat, any shower			RTF Deemed	139.00
2.0 gpm or less	any water heat, any shower			PSE Deemed	175.00

**Structure Sealing**

		Manufactured Home	Existing or New		
structure	CFM per 50Pa			RTF Deemed	0.84
		Single Family	Existing or New		
structure	CFM per 50Pa			RTF Deemed	1.70

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**Residential**

**Electric**

Schedule E201

Low Income Weatherization

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Water Heat**

**Manufactured Home Existing or New**

High Efficiency storage	Domestic, with 45-55 gallon rated capacity with EF of 0.95 or better	RTF Deemed	131.00	0.00
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**Multi Family Existing or New**

High efficiency storage	Domestic, with 45-55 gallon rated capacity with EF of 0.95 or better	RTF Deemed	131.00	
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**Single Family Existing or New**

High Efficiency storage	Domestic, with 45-55 gallon rated capacity with EF of 0.95 or better	RTF Deemed	131.00	0.00
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**Residential**

**Electric**

Schedule E201 Low Income Weatherization

**Measure Heading**

Measure Category Additional details, comments, equipment applications Savings Type kWh Savings Therm Savings

**Windows**

**Manufactured Home Existing or New**

Various configurations	Early double pane to double pane U .30	PSE Deemed	15.79	0.00
Various configurations	Single pane to double pane U.30	PSE Deemed	22.45	0.00

**Multi Family Existing or New**

Various configurations	Double pane (U .65) to triple pane (U .22)	PSE Deemed	10.65	0.00
Various configurations	Early double-pane to double pane U .30	PSE Deemed	9.84	0.00
Various configurations	Early double-pane to double pane U .30	RTF Deemed	11.94	0.00
Various configurations	Single pane (U 1.2) to triple pane (U 0.22)	PSE Deemed	24.00	
Various configurations	Single-pane (U 1.25) to double-pane U-value 0.30	PSE Deemed	23.74	
Various configurations	Single-pane (U 1.25) to double-pane U-value 0.30	RTF Deemed	21.65	

**Single Family Existing or New**

Various configurations	Early double pane to double pane U .30	RTF Deemed	11.53	0.00
Various configurations	Early double pane to double pane U .30	PSE Deemed	18.00	0.00
Various configurations	Single pane to double pane U .30	PSE Deemed	25.09	0.00

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Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Clothes Washers</b>				
	<b>Single Family Existing only</b>			
Energy Star®	2011 Clothes Washer Tier 1 MEF 2.2-2.45 (EWH/PropaneDryer)--placeholder to match Res tracking dbase "Propane" value is the same as "gas" value		84.00	0.00
Energy Star®	2011 Clothes Washer Tier 1 MEF 2.2-2.45 (PropaneWH/EDryer)--placeholder to match Res tracking dbase "Propane" value is the same as "gas" value		81.00	0.00
Energy Star®	2011 Clothes Washer Tier 1 MEF 2.2-2.45 (PropaneWH/PropaneDryer)--placeholder to match Res tracking dbase "Propane" value is the same as "gas" value		16.00	0.00
Energy Star®	2011 Clothes Washer Tier 2 MEF 2.46 or higher (EWH/PropaneDryer)--placeholder to match Res tracking dbase "Propane" value is the same as "gas" value		108.00	0.00
Energy Star®	2011 Clothes Washer Tier 2 MEF 2.46 or higher (PropaneWH/EDryer)--placeholder to match Res tracking dbase "Propane" value is the same as "gas" value		130.00	0.00
Energy Star®	2011 Clothes Washer Tier 2 MEF 2.46 or higher (PropaneWH/PropaneDryer)--placeholder to match Res tracking dbase "Propane" value is the same as "gas" value		20.00	0.00
Energy Star®	2011 Clothes Washer Tier 3 MEF 2.7 or higher (EWH/PropaneDryer)--placeholder to match Res tracking dbase "Propane" value is the same as "gas" value		114.00	0.00
Energy Star®	2011 Clothes Washer Tier 3 MEF 2.7 or higher (PropaneWH/EDryer)--placeholder to match Res tracking dbase "Propane" value is the same as "gas" value		145.00	0.00
Energy Star®	2011 Clothes Washer Tier 3 MEF 2.7 or higher (PropaneWH/PropaneDryer)--placeholder to match Res tracking dbase "Propane" value is the same as "gas" value		20.00	0.00
Energy Star®	Clothes Washer Replacement, Electric WH/Electric dryer	PSE Deemed	524.00	0.00
Energy Star®	Clothes Washer Replacement, Electric WH/Electric dryer	PSE Deemed	524.00	0.00
Energy Star®	MEF 2.2 - 2.45, WF =< 4.5; Any WH & Any Dryer	RTF Deemed	112.00	0.00
Energy Star®	MEF 2.4 - 3.09, Electric WH, Electric Dryer	RTF Deemed	82.00	0.00

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Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
Energy Star®	MEF 2.4 - 3.09, Electric WH, Electric Dryer	RTF Deemed	82.00	0.00
Energy Star®	MEF 2.4 - 3.09, Electric WH, Gas Dryer	RTF Deemed	31.00	0.00
Energy Star®	MEF 2.4 - 3.09, Electric WH, Gas Dryer	RTF Deemed	31.00	0.00
Energy Star®	MEF 2.4 - 3.09, Gas WH, Electric Dryer	RTF Deemed	59.00	0.00
Energy Star®	MEF 2.4 - 3.09, Gas WH, Electric Dryer	RTF Deemed	59.00	0.00
Energy Star®	MEF 2.4 - 3.09, Gas WH, Gas Dryer	RTF Deemed	9.00	0.00
Energy Star®	MEF 2.4 - 3.09, Gas WH, Gas Dryer	RTF Deemed	9.00	0.00
Energy Star®	MEF 2.46 - 2.69, WF =< 4.5; Any WH & Any Dryer	RTF Deemed	167.00	0.00
Energy Star®	MEF 2.7 or higher, WF =< 4.5; Any WH & Any Dryer	RTF Deemed	183.00	0.00
Energy Star®	MEF 3.1; Gas WH, Gas Dryer	RTF Deemed	16.00	0.00
Energy Star®	MEF 3.1; Gas WH, Gas Dryer	RTF Deemed	16.00	0.00
Energy Star®	MEF 3.1+ Electric WH, Gas Dryer	RTF Deemed	51.00	0.00
Energy Star®	MEF 3.1+ Electric WH, Gas Dryer	RTF Deemed	51.00	0.00
Energy Star®	MEF 3.1+ or greater, Electric WH, Electric Dryer	RTF Deemed	140.00	0.00
Energy Star®	MEF 3.1+ or greater, Electric WH, Electric Dryer	RTF Deemed	140.00	0.00
Energy Star®	MEF 3.1+, Gas WH, Electric Dryer	RTF Deemed	105.00	0.00
Energy Star®	MEF 3.1+, Gas WH, Electric Dryer	RTF Deemed	105.00	0.00

Device Controllers and Sensors

Single Family Existing only

Smart Strips	Advanced IR Power Strip	RTF Deemed	300.00	0.00
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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Duct Sealing**

**Single Family Existing only**

Weatherization--Manufactured Homes	MHDS Level 1	PSE Deemed	600.00	0.00
Weatherization--Manufactured Homes	MHDS Level 2	PSE Deemed	800.00	0.00
Weatherization--Manufactured Homes	MHDS Level 3	PSE Deemed	1,000.00	0.00
Weatherization--Quality Assured--site built homes	PTCS - FAF	RTF Deemed	1,362.00	0.00
Weatherization--Quality Assured--site built homes	PTCS - FAF	RTF Deemed	1,362.00	0.00
Weatherization--Quality Assured--site built homes	PTCS - Heat Pump	RTF Deemed	1,049.00	0.00
Weatherization--Quality Assured--site built homes	PTCS - Heat Pump	RTF Deemed	1,049.00	0.00

**Freezer**

**Single Family Existing only**

Decommissioning	"Regular" Working condition, >= 10 cu ft.	RTF Deemed	555.00	0.00
Decommissioning	"Regular" Working condition, >= 10 cu ft.	RTF Deemed	555.00	0.00
Decommissioning	"Retail" Working condition, >= 10 cu ft.	RTF Deemed	555.00	0.00
Decommissioning	"Retail" Working condition, >= 10 cu ft.	RTF Deemed	555.00	0.00
Energy Star®	greater than or equal to 7.75 cu ft	RTF Deemed	42.00	

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**Residential**

**Electric**

Schedule E214 Single Family Residential Existing

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Heat Pumps**

**Single Family Existing only**

Forced air furnace to heat pump conversion	Convert electric FAF without central AC to HSPF 8.5/SEER 14 HP or better	PSE Deemed	5,176.00	0.00
Sizing and Lockout Controls	Correct HP sizing and outdoor temperature lockout controls	PSE Deemed	1,447.00	0.00
Ductless	Ductless Heat Pump using inverter technology	RTF Deemed	3,400.00	0.00
Ductless	Ductless Heat Pump using inverter technology	RTF Deemed	3,500.00	0.00
10.0 HSPF, 16 SEER	Incremental savings from code (7.7 HSPF)	PSE Deemed	939.00	
9.0 HSPF, 14 SEER	Incremental savings from code (7.7 HSPF)	PSE Deemed	554.00	
10.0 HSPF, 16 SEER	Incremental savings from code (7.7 HSPF)	PSE Deemed	939.00	
8.5 HSPF, 14 SEER	Incremental savings from code (7.7 HSPF)	PSE Deemed	408.00	
Geothermal heat pump	Upgrade to Energy Star geothermal heat pump from air source heat pump	PSE Deemed	4,037.00	0.00

**Home Energy Report**

**Single Family Existing only**

Monthly usage report	Continued Households	PSE Deemed	276.40	0.00
Monthly usage report	Suspended Households	PSE Deemed	164.30	0.00

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Measure Heading

Measure Category Additional details, comments, equipment applications Savings Type kWh Savings Therm Savings

Insulation

Single Family Existing only

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
Floor	Electric WX R-11 to R-30 FAF	PSE Deemed	1.22	0.00
Floor	Electric WX R-11 to R-30 HP	PSE Deemed	0.56	0.00
Floor	Electric WX R-11 to R-30 Zonal	PSE Deemed	0.89	0.00
Attic	Electric WX R11 to R38 FAF	PSE Deemed	1.81	0.00
Attic	Electric WX R11 to R38 Zonal	PSE Deemed	1.34	0.00
Attic	Electric WX R11 to R38 HP	PSE Deemed	0.84	0.00
Wall	R0 - R13 FAF	PSE Deemed	1.67	
Wall	R0 - R13 Heat Pump	PSE Deemed	0.72	
Wall	R0 - R13 Zonal	PSE Deemed	1.48	
Duct	R0 to R11 Electric Weatherization	PSE Deemed	790.00	
Floor	R0-R30 - FAF	PSE Deemed	1.46	
Floor	R0-R30 - Heat Pump	PSE Deemed	0.57	
Floor	R0-R30 - Zonal	PSE Deemed	1.38	
Attic	R0-R49 FAF	PSE Deemed	2.38	
Attic	R0-R49 Heat Pump	PSE Deemed	1.04	
Attic	R0-R49 Zonal	PSE Deemed	2.14	
Attic	R19-R49 FAF	PSE Deemed	0.32	
Attic	R19-R49 Heat Pump	PSE Deemed	0.32	
Attic	R19-R49 Zonal	PSE Deemed	0.67	

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Lamps**

**Single Family Existing only**

LED lamps	A-lamps, incandescent baseline	PSE Deemed	33.00	0.00
LED lamps	Candelabra	PSE Deemed	26.00	0.00
CFL Energy Star®	Direct install; HomePrint	RTF Deemed	23.00	
CFL Energy Star®	Direct mail & door-to-door	RTF Deemed	15.00	0.00
CFL Energy Star®	Electric manufactured homes direct install	RTF Deemed	23.00	
CFL Energy Star®	Engagement bulbs; events-specific	PSE Deemed	20.00	
LED lamps	HomePrint DI A-lamps	PSE Deemed	32.00	0.00
LED lamps	LED downlight, incandescent base	RTF Deemed	35.00	0.00
LED lamps	MR-16, halogen base	PSE Deemed	22.00	0.00
LED lamps	MR-16, halogen base	PSE Deemed	22.00	0.00
LED lamps	Reflector	PSE Deemed	34.00	0.00
CFL Energy Star®	Retail--specialty	RTF Deemed	19.00	
CFL Energy Star®	Retail--specialty Promotional	RTF Deemed	19.00	
CFL Energy Star®	Retail--Spirals	RTF Deemed	16.00	
CFL Energy Star®	Retail--Spirals	RTF Deemed	16.00	
CFL Energy Star®	Retail--Spirals Promotional	RTF Deemed	16.00	
CFL Energy Star®	T2 Spiral bulb	RTF Deemed	23.00	

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Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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Lighting Fixtures

Single Family Existing only

CFL Energy Star®	Any exterior application	RTF Deemed	120.00	
LED Fixtures	Any Exterior Energy Star LED fixture	PSE Deemed	143.00	0.00
LED Fixtures	Any Interior Energy Star LED fixture	PSE Deemed	50.00	0.00
CFL Energy Star®	Any interior fixture	RTF Deemed	43.00	

Refrigerators

Single Family Existing only

Decommissioning	"20-year" Working condition, >= 10 cu ft	RTF Deemed	482.00	
Decommissioning	"Regular" Working condition, >= 10 cu ft	RTF Deemed	482.00	
Decommissioning	"Regular" Working condition, >= 10 cu ft	RTF Deemed	482.00	
Decommissioning	"Retail" Working condition, >= 10 cu ft	RTF Deemed	482.00	
Decommissioning	"Retail" Working condition, >= 10 cu ft	RTF Deemed	482.00	
Replacement + decommissioning	CEE tier 2 combination of retail refrigerator + std decommissioning of kitchen refrigerator	PSE Deemed	547.00	0.00
Replacement + decommissioning	CEE tier 3 combination of retail refrigerator + std decommissioning of kitchen refrigerator	PSE Deemed	568.00	0.00
Energy Star®	Refrigerator, CEE Tier 1	RTF Deemed	37.00	
Energy Star®	Refrigerator, CEE Tier 2	RTF Deemed	65.00	
Energy Star®	Refrigerator, CEE Tier 3	RTF Deemed	86.00	
Replacement	Replacing refrigerators manufactured prior to 1993	PSE Deemed	755.00	

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Measure Heading

Measure Category Additional details, comments, equipment applications Savings Type kWh Savings Therm Savings

Showerheads

Single Family Existing only

Various efficiencies, installation methods and water heating	Manufactured homes, 1.5 or less gpm, leave-behind, maximum 2 per structure	RTF Deemed	260.00
Various efficiencies, installation methods and water heating	Manufactured homes, 1.50 and less GPM, Any Shower, Electric WH, Direct install	RTF Deemed	307.00
Various efficiencies, installation methods and water heating	Manufactured homes, 1.50 and less GPM, Any Shower, Electric WH, Direct install	RTF Deemed	307.00
Various efficiencies, installation methods and water heating	Retail Electric WH, 1.5 GPM or less	PSE Deemed	239.00
Various efficiencies, installation methods and water heating	Retail Electric WH, 1.51 to 1.75 GPM	PSE Deemed	185.00
Various efficiencies, installation methods and water heating	Retail Electric WH, 1.76 to 2.0 GPM	PSE Deemed	123.00
Various efficiencies, installation methods and water heating	Retail_Combined Terr_ Any WH, 1.5 GPM or less (E)	PSE Deemed	122.00
Various efficiencies, installation methods and water heating	Retail_Combined Terr_ Any WH, 1.51 to 1.75 GPM or less (E)	PSE Deemed	94.00
Various efficiencies, installation methods and water heating	Retail_Combined Terr_ Any WH, 1.76 to 2.0 GPM or less (E)	PSE Deemed	63.00
Various efficiencies, installation methods and water heating	Retail_ElecOnly Terr_ Any WH, 1.5 GPM or less	PSE Deemed	145.00
Various efficiencies, installation methods and water heating	Retail_ElecOnly Terr_ Any WH, 1.51 to 1.75 GPM or less	PSE Deemed	112.00
Various efficiencies, installation methods and water heating	Retail_ElecOnly Terr_ Any WH, 1.76 to 2.0 GPM or less	PSE Deemed	75.00
Various efficiencies, installation methods and water heating	Showerhead, Retail, 2.0 or less GPM mail by request	PSE Deemed	136.00

Structure Sealing

Single Family Existing only

Air Sealing	CFM50 - Forced-air Furnace	RTF Deemed	2.04
Air Sealing	CFM50 - Heat Pump	RTF Deemed	0.96
Air Sealing	CFM50 - Zonal	RTF Deemed	1.81

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Water Heat</b>				
	<b>Single Family Existing only</b>			
Storage	0.94 EF or greater with 50 gal rated capacity	RTF Deemed	142.00	0.00
Storage	0.94 EF or greater with 50 gal rated capacity	PSE Deemed	125.00	
Storage	0.94 EF or greater with 50 gal rated capacity	RTF Deemed	142.00	0.00
Heat Pump	NEEA Norther Climate Spec Tier 1	RTF Deemed	881.00	0.00
Heat Pump	NEEA Norther Climate Spec Tier 2	RTF Deemed	1,786.00	0.00
Heat Recovery	Waste water heat recovery - pre heat domestic hot water tank with gravity film heat recovery device with heat transfer surface area of >= 3.85 sf	RTF Deemed	373.00	0.00
Heat Recovery	Waste water heat recovery - pre heat domestic hot water tank with gravity film heat recovery device with heat transfer surface area of >= 3.85 sf	PSE Deemed	373.00	0.00

**Windows**

	<b>Single Family Existing only</b>			
Various configurations	Double pane to class 30 average, primary or patio	RTF Deemed	11.53	
Various configurations	Double pane to class 30 average, primary or patio	RTF Deemed	11.53	
Various configurations	Single pane to class 30 average, primary or patio	RTF Deemed	20.84	
Various configurations	Single pane to class 30 average, primary or patio	RTF Deemed	20.84	

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Clothes Washers</b>				
<b>Single Family    New only</b>				
Energy Star®	MEF 2.2 - 2.45, Gas Water Heater & Electric Dryer	RTF Deemed	81.00	
Energy Star®	MEF 2.46 - 2.69, Gas Water Heater & Electric Dryer	RTF Deemed	130.00	
Energy Star®	MEF 2.7 or Higher, Gas Water Heater & Electric Dryer	RTF Deemed	145.00	
<b>Heat Pumps</b>				
<b>Single Family    New only</b>				
Ductless	Heating cap of 1 ton or more, code efficiency of 7.7, HSPF, SEER 13	RTF Deemed	3,500.00	0.00
New 8.5 HSPF, 14 SEER	Incremental improvement over code (7.7 HSPF)	PSE Deemed	408.00	
New 9.0 HSPF, 14 SEER	Incremental savings from code (7.7 HSPF)	PSE Deemed	755.00	
<b>Home Bonus</b>				
<b>Single Family    New only</b>				
Energy Star--No savings; only for new construction builders	Placeholder created to enable link to res tracking dbase		0.00	0.00
<b>Lamps</b>				
<b>Single Family    New only</b>				
CFL Energy Star®	Any residential, any interior application, direct installation	RTF Deemed	34.00	
<b>Lighting Fixtures</b>				
<b>Single Family    New only</b>				
CFL Energy Star®	any application	RTF Deemed	74.00	
LED Fixtures	Interior/exterior LED fixture, upgrade from incandescent base	RTF Deemed	61.00	0.00

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**Residential**

**Electric**

Schedule E215 le Family Residential New Constr

**Measure Heading**

Measure Category Additional details, comments, equipment applications Savings Type kWh Savings Therm Savings

**Manufactured Homes**

**Single Family New only**

Energy Star®	Electric forced air furnace, Heating zone 1, Cooling zone n/a	RTF Deemed	5,420.00	
Eco Rated	Electric forced air furnace, Heating zone 1, Cooling zone n/a	RTF Deemed	5,691.00	
Eco Rated	Electric forced air furnace, Heating zone 2, Cooling zone n/a	RTF Deemed	7,438.00	
Energy Star®	Electric forced air furnace, Heating zone 2, Cooling zone n/a	RTF Deemed	6,847.00	
Eco Rated	Heat pump, Heating zone 1, Cooling zone 1	RTF Deemed	3,411.00	
Energy Star®	Heat pump, Heating zone 1, Cooling zone 1	RTF Deemed	3,128.00	
Energy Star®	Heat pump, Heating zone 2, Cooling zone 2	RTF Deemed	4,390.00	
Eco Rated	Heat pump, Heating zone 2, Cooling zone 2	RTF Deemed	4,997.00	

**Refrigerators**

**Single Family New only**

Energy Star®	Energy Star refrigerator CEE Tier 2 Any	RTF Deemed	65.00	0.00
Energy Star®	Energy Star refrigerator CEE Tier 2 Any	RTF Deemed	65.00	0.00
Energy Star®	Energy Star refrigerator CEE Tier 2 Any	RTF Deemed	65.00	0.00

**test (used for testing---not an actual mea**

**Single Family New only**

Database test	test for revision	PSE Deemed	2,222.00	0.00
Database test	test for revision	PSE Deemed	333.00	0.00

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**Residential**

**Electric**

Schedule E215 Single Family Residential New Construc

**Measure Heading**

Measure Category Additional details, comments, equipment applications Savings Type kWh Savings Therm Savings

**Water Heat**

Single Family New only

Heat Pump Energy Star certified with a 2.0 or better Efficiency Factor, 50 gallon rated capacity RTF Deemed 2,001.00 0.00

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**Residential**

**Electric**

Schedule E217

Multifamily Existing

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Clothes Washers</b>				
<b>Multi Family Existing only</b>				
Energy Star®	Clothes Washer replacement; old washer 10 yrs or older, MEF 1.04 or lower	PSE Deemed	630.00	
Energy Star®	MEF 2.46; Electric Water Heater & Dryer	RTF Deemed	92.00	
<b>Common Area Measures</b>				
<b>Multi Family Existing only</b>				
Lighting	Common area - Commercially Calculated	Custom	0.00	0.00
Ventilation	Garage CO Demand Sensor	Custom		0.00
Ventilation	Garage CO Demand Sensor	Custom		0.00
<b>Device Controllers and Sensors</b>				
<b>Multi Family Existing only</b>				
Smart Strips	Advanced Infrared Smart Power Strips	RTF Deemed	300.00	0.00
Smart Strips	Smart Power Strip	RTF Deemed	100.00	0.00
<b>HVAC</b>				
<b>Multi Family Existing only</b>				
Whole House Ventilation	Energy Star Whole House Ventilation	PSE Deemed	128.00	0.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Insulation**

**Multi Family Existing only**

Floor	R-0 to R-30	RTF Deemed	1.30	0.00
Attic	R-0 to R-38	RTF Deemed	2.18	0.00
Floor	R-11 to R-30	RTF Deemed	0.66	0.00
Attic	R-11 to R-38	RTF Deemed	1.39	0.00
Attic	R-19 to R-38	RTF Deemed	0.58	0.00
Wall	Upgrade R0 to R11	RTF Deemed	1.30	

**Lamps**

**Multi Family Existing only**

LED Lamps	Tenant controlled LED lamps; A-Lamp	PSE Deemed	32.00	0.00
LED Lamps	Tenant controlled LED lamps; Candelabra	PSE Deemed	25.00	0.00
LED Lamps	Tenant controlled LED lamps; downlighting	PSE Deemed	34.00	0.00
LED Lamps	Tenant controlled LED lamps; MR-16	PSE Deemed	21.00	0.00
LED Lamps	Tenant controlled LED lamps; Reflector	PSE Deemed	32.00	0.00
CFL Energy Star®	Tenant controlled, any interior or exterior application	RTF Deemed	23.00	

**Lighting Fixtures**

**Multi Family Existing only**

CFL Energy Star®	Any fixture, tenant-controlled	RTF Deemed	49.00	
CFL Energy Star®	Any interior application	RTF Deemed	61.00	
LED Fixtures	LED Fixtures	RTF Deemed	61.00	0.00

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**Residential**

**Electric**

Schedule E217

Multifamily Existing

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Refrigerators**

**Multi Family Existing only**

Energy Star® or High Efficiency Replacement	Any Style w/ or w/o Icemaker	RTF Deemed	44.00	0.00
Replacement	Primary, working unit, pre-1993, replaced and decommissioned by PSE contractor	PSE Deemed	755.00	0.00
Replacement	Primary, working unit, pre-1993, replaced and decommissioned by PSE contractor	PSE Deemed	755.00	0.00

**Showerheads**

**Multi Family Existing only**

1.5 gpm or less	Cascade Water Alliance (CWA) upgraded from base of 2.5 GPM	RTF Deemed	307.00	0.00
1.5 gpm or less	Direct install, electric water heat, any shower	RTF Deemed	307.00	0.00

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Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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Structure Sealing

Multi Family Existing only

Air Tightening + Insulation Measures	Air Tightening + Ceiling + Floor + Wall Insulation to R13 - Reduce by 60%	PSE Deemed	1.63	0.00
Air Tightening + Insulation Measures	Air Tightening + Ceiling Insulation to R38 - by 15%	PSE Deemed	2.13	0.00
Air Tightening + Insulation Measures	Air Tightening + Ceiling to R38 + Floor to R30 - by 25%	PSE Deemed	2.43	0.00
Air Tightening + Insulation Measures	Air Tightening + Ceiling to R38 + Floor to R30 + Wall to R13 - by 60%	PSE Deemed	2.49	0.00
Air Tightening + Insulation Measures	Air Tightening + Ceiling to R38 + Wall to R13 - by 30%	PSE Deemed	2.76	0.00
Air Tightening + Insulation Measures	Air Tightening + Ceiling, Wall insulation to R13 - reduced by 50%	PSE Deemed	2.21	0.00
Air Tightening + Insulation Measures	Air Tightening + Floor Insulation to R30 - by 10%	PSE Deemed	2.98	0.00
Air Tightening + Insulation Measures	Air Tightening + Floor to R30 + Wall to R13 - by 45%	PSE Deemed	3.06	0.00
Air Tightening + Insulation Measures	Air Tightening + Floor, Wall insulation to R13 reduced by 45%	PSE Deemed	2.08	0.00
Air Tightening + Insulation Measures	Air Tightening + Wall Insulation to R13 - by 35%	PSE Deemed	3.43	0.00
Air Tightening	Ceiling - Reduce by 15%	PSE Deemed	0.86	0.00
Air Tightening	Cieling and Floor - Reduce by 25%	PSE Deemed	0.68	0.00
Air Tightening	Floor - Reduce by 10%	PSE Deemed	0.57	0.00

Water Heat

Multi Family Existing only

Storage	0.95 EF or greater with 50 gal rated capacity	RTF Deemed	149.00	
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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Windows**

**Multi Family Existing only**

High Efficiency	Double pane metal frame to high efficiency double, U-factor 0.30	PSE Deemed	11.94	0.00
High Efficiency	Double-pane to triple pane U 0.25	PSE Deemed	13.87	0.00
High Efficiency	Single pane to double, U-factor 0.30	PSE Deemed	21.65	0.00
High Efficiency	Single-pane to triple pane U 0.25	PSE Deemed	23.58	0.00

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**Residential**

**Electric**

Schedule E218 Multifamily New Construction

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Clothes Washers**

**Multi Family New only**

Energy Star®	MEF 2.46 or Higher; Electric Water Heater & Dryer	RTF Deemed	92.00	
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**Common Area Measures**

**Multi Family New only**

Heat Recovery	Electric resistance no mechanical cooling, high-rise	PSE Deemed	1.32	
Heat Recovery	Electric resistance no mechanical cooling, low-rise	PSE Deemed	0.86	
Ventilation	Garage CO Demand With VFD fan control---calculated measure	Calculated	1,437.27	
Heat Recovery	kWh adjustment to heat recovery - Hydronic with cooling	Calculated	-0.13	
Heat Recovery	kWh adjustment to heat recovery - Hydronic without cooling	Calculated	-0.12	

**Heat Pumps**

**Multi Family New only**

Package Terminal	20% adjustment <<Only when combined with windows!>>	PSE Deemed	-147.00	0.00
Common Area	Air to Air to WSEC (Tier 1)	PSE Deemed	1.37	
Package Terminal	WA State Electrical Code standard, thru-wall unit, low/mid-rise	PSE Deemed	592.00	
Package Terminal	WA State Electrical Code standard, thru-wall unit, townhome	PSE Deemed	1,209.00	

**Lamps**

**Multi Family New only**

LED Lamps	A-line -or- reflector -or- MR-16 (downlighting)	PSE Deemed	32.00	0.00
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**Residential**

**Electric**

Schedule E218 Multifamily New Construction

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Lighting Fixtures**

**Multi Family New only**

CFL Energy Star®	Any interior application	RTF Deemed	61.00	
LED Fixtures	Any interior LED fixture	PSE Deemed	50.00	0.00
CFL Energy Star®	Pin Based Light Fixtures	RTF Deemed	69.00	0.00

**Lighting Systems**

**Multi Family New only**

Stairwell	Bi-level greater than 3, less than 10 floors	PSE Deemed	203.00	0.00
Stairwell	Bi-level, greater than or equal to 10 floors	PSE Deemed	379.00	0.00
Stairwell	Bi-level, greater than or equal to 10 floors	PSE Deemed	379.00	0.00
Corridor	Lighting reduction, at least 10% below WSEC.	Calculated	0.07	0.00
Garage	Lighting reduction. Additional 1% up to 20% allowed.	PSE Deemed	0.02	0.00

**Refrigerators**

**Multi Family New only**

Energy Star® or High Efficiency	Any Style w/ or w/o Icemaker	RTF Deemed	44.00	
Energy Star® or High Efficiency	Any Style w/ or w/o Icemaker	RTF Deemed	44.00	

**Showerheads**

**Multi Family New only**

1.75 GPM or less (includes 1.5 GPM)	1.50 or below, electric water heat, direct install, any shower	RTF Deemed	307.00	0.00
1.75 GPM or less (includes 1.5 GPM)	1.75 - 1.51 electric water heat, direct install, any shower	RTF Deemed	222.00	0.00

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**Residential**

**Electric**

Schedule E218

Multifamily New Construction

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Water Heat**

**Multi Family New only**

Heat recovery	Drain water heat recovery, DWH tank with model G3-60, single unit coil with heat transfer surface area of 3.85 sf or greater	RTF Deemed	373.00	
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**Windows**

**Multi Family New only**

U-.30 or better	kWh Adjustment <<ONLY for XN of windows with gas space heat!>>	PSE Deemed	-0.20	
U-.30 or better	kWh Adjustment <<ONLY for XN of windows with gas space heat!>>	PSE Deemed	0.02	
U-.30 or better	U-value 0.30 or better. Electric space heat, hi-rise only	PSE Deemed	1.76	
U-.30 or better	Windows 20% Adjustment for electric space heat	PSE Deemed	-0.46	

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**Residential**

**Electric**

Schedule E-RES All Residential Electric Schedules

**Measure Heading**

Measure Category Additional details, comments, equipment applications Savings Type kWh Savings Therm Savings

**Lamps**

All residential types Existing or New

Project Porchlight P/O Rock the Bulb; leave a light bulb on a customer's porch PSE Deemed 15.00 0.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Fuel Conversion</b>				
	<b>Single Family Existing only</b>			
Space and Water Heating	Base board heat, 19-20k kWh current usage	PSE Deemed	12,000.00	0.00
Space Heating Only	Base board heat, 19-20k kWh current usage	PSE Deemed	8,500.00	0.00
Space Heating Only	Base board heat, 20-22.5k kWh current usage	PSE Deemed	10,250.00	0.00
Space and Water Heating	Base board heat, 20-22.5k kWh current usage	PSE Deemed	13,750.00	0.00
Space Heating Only	Base board heat, 22.5-25k kWh current usage	PSE Deemed	12,750.00	0.00
Space and Water Heating	Base board heat, 22.5-25k kWh current usage	PSE Deemed	16,250.00	0.00
Space Heating Only	Base board heat, 25+ k kWh current usage	PSE Deemed	14,000.00	0.00
Space and Water Heating	Base board heat, 25+ k kWh current usage	PSE Deemed	17,500.00	0.00
Space and Water Heating	Electric base board space heat and electric water heat	PSE Deemed	12,000.00	0.00
Space Heating Only	Electric base board space heat to gas space heat	PSE Deemed	8,500.00	0.00
Space and Water Heating	Electric forced air space heat and electric water heat	PSE Deemed	12,000.00	0.00
Space Heating Only	Electric forced air space heat to gas space heat	PSE Deemed	8,500.00	0.00
Water Heating Only	Electric water heat to gas water heat--tank	PSE Deemed	3,500.00	0.00
Water Heating Only	Electric water heat to gas water heat--tankless	PSE Deemed	3,500.00	0.00
Water Heating Only	Energy Star Gas water heater	PSE Deemed	3,500.00	0.00
Water Heating Only	Energy Star Gas water heater	PSE Deemed	3,500.00	0.00
Water Heating Only	Energy Star Tankless Gas water heater	PSE Deemed	3,500.00	0.00
Water Heating Only	Energy Star Tankless Gas water heater	PSE Deemed	3,500.00	0.00
Space and Water Heating	Forced air heat, 19-20k kWh current usage	PSE Deemed	12,000.00	0.00
Space and Water Heating	Forced air heat, 20-22.5k kWh current usage	PSE Deemed	13,750.00	0.00

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
Space Heating Only	Forced air heat, 19-20k kWh current usage	PSE Deemed	8,500.00	0.00
Space Heating Only	Forced air heat, 20-22.5k kWh current usage	PSE Deemed	10,250.00	0.00
Space and Water Heating	Forced air heat, 22.5-25k kWh current usage	PSE Deemed	16,250.00	0.00
Space Heating Only	Forced air heat, 22.5-25k kWh current usage	PSE Deemed	12,750.00	0.00
Space Heating Only	Forced air heat, 25+ k kWh current usage	PSE Deemed	14,000.00	0.00
Space and Water Heating	Forced air heat, 25+ k kWh current usage	PSE Deemed	17,500.00	0.00

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**Residential**

Gas

Schedule G203 Low Income Weatherization--Gas

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Boilers</b>				
	<b>Multi Family Existing or New</b>			
Water heating	Greater than or equal to 89% AFUE	PSE Deemed		1,100.00
Space heating	Greater than or equal to 89% AFUE	PSE Deemed		845.00
<b>Duct Sealing</b>				
	<b>Manufactured Home Existing or New</b>			
with other measures	Unconditioned spaces; Combination of savings values from FAF-no AC & heat pump	PSE Deemed		16.10
	<b>Single Family Existing or New</b>			
with other measures	Unconditioned spaces	PSE Deemed		37.60
<b>Furnace</b>				
	<b>Manufactured Home Existing or New</b>			
AFUE 0.90	Efficiency 90 plus	PSE Deemed		89.00
	<b>Multi Family Existing or New</b>			
AFUE 0.90	Efficiency 90 plus	PSE Deemed		66.00
	<b>Single Family Existing or New</b>			
AFUE 0.90	Efficiency 90 plus	PSE Deemed		89.00

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**Residential**

Gas

Schedule **G203** Low Income Weatherization--Gas

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Insulation</b>				
<b>Manufactured Home Existing or New</b>				
Wall	R-0 to R-11	PSE Deemed	0.00	0.08
Floor	R-0 to R-22	PSE Deemed	0.00	0.04
Floor	R-0 to R-30	PSE Deemed	0.00	0.06
Attic	R-0 to R-30	PSE Deemed	0.00	0.04
<b>Multi Family Existing or New</b>				
Wall	R-0 to R-11	PSE Deemed	0.00	0.06
Duct	R-0 to R-11	PSE Deemed	0.00	0.20
Floor	R-0 to R-30	PSE Deemed	0.00	0.06
Attic	R-0 to R-38	PSE Deemed	0.00	0.09
Attic	R-11 to R-38	PSE Deemed	0.00	0.06
<b>Single Family Existing or New</b>				
Duct	R-0 to R-11	PSE Deemed	0.00	0.20
Wall	R-0 to R-11	PSE Deemed	0.00	0.06
Floor	R-0 to R-30	PSE Deemed	0.00	0.06
Attic	R-0 to R-38	PSE Deemed	0.00	0.09
Attic	R-11 to R-38	PSE Deemed	0.00	0.06

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**Residential**

Gas

Schedule **G203** Low Income Weatherization--Gas

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Pipe Wrap</b>				
	<b>Manufactured Home Existing or New</b>			
Water Heater	Min 3 feet	PSE Deemed		0.90
	<b>Multi Family Existing or New</b>			
Water Heater	Min 3 feet	PSE Deemed		0.90
	<b>Single Family Existing or New</b>			
Water Heater	Min 3 feet	PSE Deemed		0.90
<b>Showerheads</b>				
	<b>Manufactured Home Existing or New</b>			
2.0 gpm or less	any water heat, any shower	PSE Deemed		6.00
	<b>Multi Family Existing or New</b>			
2.0 gpm or less	any water heat, any shower	PSE Deemed		6.00
	<b>Single Family Existing or New</b>			
2.0 gpm or less	any water heat, any shower	PSE Deemed		6.00
<b>Structure Sealing</b>				
	<b>Manufactured Home Existing or New</b>			
structure	CFM per 50Pa	PSE Deemed		0.04
	<b>Single Family Existing or New</b>			
structure	CFM per 50Pa	PSE Deemed		0.04

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Boilers**

**Single Family Existing only**

Energy Star®	At least 95% AFUE	PSE Deemed		119.00
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**Clothes Washers**

**Single Family Existing only**

Energy Star®	MEF 2.2 to 2.45, WF =< 4.5, Gas WH, electric dryer	RTF Deemed		3.10
Energy Star®	MEF 2.4 - 3.09, Electric WH, gas dryer	RTF Deemed		1.90
Energy Star®	MEF 2.4 - 3.09, Gas WH, Electric dryer	RTF Deemed		1.00
Energy Star®	MEF 2.4 - 3.09, Gas WH, gas dryer	RTF Deemed		2.95
Energy Star®	MEF 2.46 to 2.69, WF =< 4.0, Gas WH, electric dryer	RTF Deemed		4.00
Energy Star®	MEF 2.7 or higher, any water heat, any dryer	RTF Deemed		2.40
Energy Star®	MEF 2.7 or higher, WF =< 4.0, Gas WH, electric dryer	RTF Deemed		4.30
Energy Star®	MEF 3.1+, Electric WH, gas dryer	RTF Deemed		3.40
Energy Star®	MEF 3.1+, Gas WH, Electric dryer	RTF Deemed		1.60
Energy Star®	MEF 3.1+, Gas WH, gas dryer	RTF Deemed		5.00

**Device Controllers and Sensors**

**Single Family Existing only**

Web-enabled Thermostats	Pre-programmed thermostat management system	PSE Deemed		54.00
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# Residential

Gas

Schedule G214 Single Family Residential Existing

## Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Duct Sealing</b>				
<b>Single Family Existing only</b>				
Weatherization--Quality Assured--site built homes	PTCS--Minimum of 50% reduction in duct leakage	PSE Deemed		58.00
HomePrint	Quality Assured	RTF Deemed		59.00
<b>Fireplace</b>				
<b>Single Family Existing only</b>				
High Efficiency	High efficiency direct-vent	PSE Deemed		72.00
High Efficiency	High efficiency direct-vent	PSE Deemed		72.00
<b>Furnace</b>				
<b>Single Family Existing only</b>				
Energy Star®	Efficiency greater than or equal to 95 AFUE	PSE Deemed		110.00
<b>Home Energy Report</b>				
<b>Single Family Existing only</b>				
Monthly usage report	Continued Households	PSE Deemed		11.60
Monthly usage report	Suspended Households	PSE Deemed		10.90

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# Residential

Gas

Schedule G214 Single Family Residential Existing

## Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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### Insulation

Single Family Existing only

Wall	R0 - R13	PSE Deemed		0.08
Duct	R-0 to R-11	PSE Deemed		32.00
Floor	R-0 to R-30	PSE Deemed	0.00	0.07
Attic	R-0 to R-49	PSE Deemed	0.00	0.11

### Integrated Measures

Single Family Existing only

Retail Efficiency Kits	4 Different kits sold through retailers in PSE EE packaging	RTF Deemed		0.00
Space + Water Heat Systems	Energy Star 0.90 EF tankless water heater or Energy Star 95% AFUE boiler for space AND water heat	PSE Deemed		173.00
Insulation + Sealing	Prescriptive Duct Sealing and Insulation, 30% of duct system in exterior of home	PSE Deemed		75.32

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# Residential

Gas

Schedule G214 Single Family Residential Existing

## Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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### Showerheads

#### Single Family Existing only

Various efficiencies, installation methods and water heating	HomePrint showerheads (maximum of two units per structure)	PSE Deemed		6.00
Various efficiencies, installation methods and water heating	Retail Channel, 1.50 gpm, Direct Install	PSE Deemed		13.00
Various efficiencies, installation methods and water heating	Retail Channel, Comb Terr, Any WH 1.76 to 2.0 gpm (G)	PSE Deemed		2.60
Various efficiencies, installation methods and water heating	Retail Channel, Combo Terr, Any WH 1.50 gpm and less (G)	PSE Deemed		5.10
Various efficiencies, installation methods and water heating	Retail Channel, Combo Terr, Any WH 1.51 to 1.75 gpm (G)	PSE Deemed		3.90
Various efficiencies, installation methods and water heating	Retail Channel, Gas WH 1.50 gpm and less	PSE Deemed		10.20
Various efficiencies, installation methods and water heating	Retail Channel, Gas WH 1.51 to 1.75 gpm	PSE Deemed		7.90
Various efficiencies, installation methods and water heating	Retail Channel, Gas WH 1.76 to 2.0 gpm	PSE Deemed		5.30
Various efficiencies, installation methods and water heating	Retail showerheads, 2.0 GPM or less mail by (maximum of two units per structure)	PSE Deemed		6.00

### Structure Sealing

#### Single Family Existing only

Air Sealing	CFM50	PSE Deemed		0.08
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**Residential**

Gas

Schedule G215 le Family Residential New Construc

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
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**Manufactured Homes**

Single Family New only

Eco Rated	Gas Furnace, Heating zone 1	PSE Deemed		245.00
Energy Star®	Gas Furnace, Heating zone 1	PSE Deemed		200.00

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## Residential

Gas

Schedule G217

Multifamily Existing

### Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Boilers</b>				
	<b>Multi Family Existing only</b>			
Water Heating Replacement	Average of custom engineering water heating	Calculated		1.00
Space Heat Replacement	Space heating boilers - calculated.	Calculated		0.00
<b>Common Area Measures</b>				
	<b>Multi Family Existing only</b>			
Pool Heat	Solar Powered--Custom engineering calculation	Custom		800.00
<b>Insulation</b>				
	<b>Multi Family Existing only</b>			
Floor	R-0 to R-30	PSE Deemed		0.09
Attic	R-0 to R-38 inclusive	PSE Deemed		0.09
<b>Showerheads</b>				
	<b>Multi Family Existing only</b>			
1.5 gpm or less	Cascade Water Alliance (CWA) upgraded from base of 2.5 GPM	RTF Deemed		13.00
1.5 gpm or less	upgraded from base of 2.5 GPM	RTF Deemed		13.00
<b>Water Heat</b>				
	<b>Multi Family Existing only</b>			
Tankless	0.82 EF or higher	PSE Deemed		74.00

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**Residential**

Gas

Schedule **G217**

Multifamily Existing

**Measure Heading**

Measure Category Additional details, comments, equipment applications Savings Type kWh Savings Therm Savings

**Windows**

Multi Family Existing only

High Efficiency	U-value 1.2 to 0.25	PSE Deemed	1.02
High Efficiency	U-value 1.2 to 0.30	PSE Deemed	1.01

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# Residential

Gas

Schedule G218 Multifamily New Construction

## Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	kWh Savings	Therm Savings
<b>Boilers</b>				
<b>Multi Family New only</b>				
Condensing Boiler	With external tank	PSE Deemed		0.02
Condensing Boiler	Without external tank	Calculated		0.02
<b>Showerheads</b>				
<b>Multi Family New only</b>				
1.75 GPM or less (includes 1.5 GPM)	1.50 or less, direct install, gas water heat, any shower	PSE Deemed		13.00
1.75 GPM or less (includes 1.5 GPM)	1.75 - 1.51, direct install, gas water heat, any shower	PSE Deemed		9.00
<b>Water Heat</b>				
<b>Multi Family New only</b>				
Heat recovery	Common area, high-rise buildings	PSE Deemed		0.06
Heat recovery	Common area, low-rise buildings	PSE Deemed		0.04
High efficient	Fully condensing, efficiency greater than or equal to 93%	PSE Deemed		0.02

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**Exhibit 5**  
Supplement 2

**Retired Measures Sorted by Program and Fuel Type**

Deemed UES Values and Selected Calculated Measures

*Measures Effective as of:* December 31, 2013

**Commercial/Industrial**

Electric

Schedule E262

CI Rebates---all

**Measure Heading**

Measure Category      Additional details, comments, equipment applications      Savings Type      Retired Date      Reason Retired

**Aerator**

Commercial or Industrial      Existing or New

Aerators (Electric)	Hospitality Aerator Installation (Electric	PSE Deemed	12/31/2013	Updated UES values
Aerators (Electric)	Non-hospitality Aerator Installation (Electric)	PSE Deemed	12/31/2013	Updated UES values

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(2) Revision histories for noted measures are available upon request.

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(4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
<b>Cooking Equipment</b>				
	<b>Commercial or Industrial</b>	<b>Existing or New</b>		
Steamer, Connectionless	3 pan	PSE Deemed	4/1/2013	adjusted measure cost and added dealer incentive
Steamer, Connectionless	4 pan	PSE Deemed	4/1/2013	adjusted measure cost and added dealer incentive
Steamer, Connectionless	5 pan	PSE Deemed	4/1/2013	adjusted measure cost and added dealer incentive
Steamer, Connectionless	6 pan	PSE Deemed	4/1/2013	adjusted measure cost and added dealer incentive
Oven, Electric	Existing electric combination oven	PSE Deemed	4/1/2013	Changed measure cost from full to incremental
Oven, Electric	Existing electric convection oven	PSE Deemed	4/1/2013	Changed measure cost from full to incremental& changed rebate amount
Ice Maker, Water-Cooled (RETIRED 5-1-2013)	Ice-making head, various sizes. Check business calculator tool for specific savings, cost and incentive values	Calculated	5/1/2013	Measure business case updated
Ice Maker, Air-Cooled (RETIRED 5-01-2013)	Ice-making head, various sizes. Check business calculator tool for specific savings, cost and incentive values	Calculated	5/1/2013	Measure business case updated
Ice Maker, Water-Cooled (RETIRED 5-1-2013)	Remote condensing unit, various sizes. Check business calculator tool for specific savings, cost and incentive values	Calculated	5/1/2013	Measure business case updated
Ice Maker, Air-Cooled (RETIRED 5-01-2013)	Remote Condensing Unit, various sizes. Check business calculator tool for specific savings, cost and incentive values	Calculated	5/1/2013	Measure business case updated

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
<b>Dishwashers</b>				
		<b>Commercial or Industrial</b>	<b>Existing or New</b>	
Single Tank Conveyor, PSE provides electricity	High Temperature, elec WH, elec booster	PSE Deemed	4/1/2013	added dealer incentive
Door Type, PSE provides electricity	High Temperature, elec WH, elec booster	PSE Deemed	4/1/2013	PSE value needs to be updated- added dealer incentive
Multi Tank Conveyor, PSE provides electricity	High Temperature, elec WH, elec booster	PSE Deemed	4/1/2013	Measure cost adjusted and dealer incentive added
Door Type, PSE provides electricity	High Temperature, elec WH, gas booster	PSE Deemed	4/1/2013	PSE value needs to be updated- Measure cost and dealer incentive
Under Counter, PSE provides electricity	High Temperature, elec WH, gas booster	PSE Deemed	4/1/2013	adjusted measure cost and added dealer incentive
Multi Tank Conveyor, PSE provides electricity	High Temperature, elec WH, gas booster	PSE Deemed	4/1/2013	Dbase entry error: Ajusted savings. Added dealer incentive
Under Counter, PSE provides electricity	High Temperature, elect WH, elec booster	PSE Deemed	4/1/2013	added dealer incentive
Single Tank Conveyor, PSE provides electricity	High Temperature, elect WH, gas booster	PSE Deemed	4/1/2013	Updated Measure cost and added dealer incentive
Under Counter, PSE provides electricity	High Temperature, gas WH, elec booster	PSE Deemed	4/1/2013	adjusted measure cost and added dealer incentive
Door Type, PSE provides electricity	High Temperature, gas WH, elec booster	PSE Deemed	4/1/2013	PSE value needs to be updated- Measure cost and dealer incentive
Single Tank Conveyor, PSE provides electricity	High Temperature, gas WH, elec booster	PSE Deemed	4/1/2013	Updated Measure cost and added dealer incentive
Multi Tank Conveyor, PSE provides electricity	High Temperature, gas WH, elec booster	PSE Deemed	4/1/2013	Measure cost adjusted and dealer incentive added
Door Type, PSE provides electricity	Low Temperature, elec WH	PSE Deemed	4/1/2013	Measure cost & dealer incentive updated, dupl measure entry- so retired

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
Door Type, PSE provides electricity	Low Temperature, elec WH	PSE Deemed	4/1/2013	PSE value needs to be updated- Measure cost and dealer incentive
Under Counter, PSE provides electricity	Low Temperature, elec WH	PSE Deemed	4/1/2013	adjusted measure cost and added dealer incentive
Single Tank Conveyor, PSE provides electricity	Low Temperature, elec WH	PSE Deemed	4/1/2013	duplicate measure entry. Retired.
Multi Tank Conveyor, PSE provides electricity	Low Temperature, elec WH	PSE Deemed	4/1/2013	Measure cost adjusted and dealer incentive added
Under Counter, PSE provides electricity	Low Temperature, elect WH	PSE Deemed	4/1/2013	duplicate measure entry? Retired
Single Tank Conveyor, PSE provides electricity	Low Temperature, elect WH	PSE Deemed	4/1/2013	Updated Measure cost and added dealer incentive

**Lighting Fixtures**

	Commercial or Industrial	Existing or New		
T8 Fluorescent	F96T12 to F28T8 .78 Ballast Factor- 2 Lamp fixture	PSE Deemed	7/26/2013	Measure description Updated. wrong measure desc listed wrong on orig
T8 Fluorescent	F96T12HO to F28T8 .88 Ballast Factor- 2 Lamp fixture	PSE Deemed	7/26/2013	Measure description Updated. wrong measure desc listed wrong on orig

**Signs**

	Commercial or Industrial	Existing or New		
LED Exit	Retrofit incandecent fixture to LED	Calculated	3/20/2013	No longer offering this measure

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Measure Heading

Measure Category      Additional details, comments, equipment applications      Savings Type      Retired Date      Reason Retired

Spray Valves

	Commercial or Industrial	Existing or New			
Pre-Rinse Electric	0.6 gpm xn if 1.6 gpm prev xn'd	PSE Deemed	12/31/2013	Updated savings values and baseline efficiencies	
Pre-Rinse Electric	0.6 gpm xn if 2.2 gpm prev xn'd	PSE Deemed	12/31/2013	Updated savings values and baseline efficiencies	
Pre-Rinse Electric	0.6 gpm xn if 2.6 gpm prev xn'd	PSE Deemed	12/31/2013	Updated savings values and baseline efficiencies	
Pre-Rinse Electric	0.6 gpm xn if head not prev supplied	PSE Deemed	12/31/2013	Updated savings values and baseline efficiencies	
Pre-Rinse Electric	1.0 gpm xn if 1.6 gpm prev xn'd	PSE Deemed	12/31/2013	Updated savings values and baseline efficiencies	
Pre-Rinse Electric	1.0 gpm xn if 2.2 gpm prev xn'd	PSE Deemed	12/31/2013	Updated savings values and baseline efficiencies	
Pre-Rinse Electric	1.0 gpm xn if 2.6 gpm prev xn'd	PSE Deemed	12/31/2013	Updated savings values and baseline efficiencies	
Pre-Rinse Electric	1.0 gpm xn if head not prev supplied	PSE Deemed	12/31/2013	Updated savings values and baseline efficiencies	
Pre-Rinse Electric	1.6 gpm xn if 2.2 gpm prev xn'd	PSE Deemed	12/31/2013	Updated savings values and baseline efficiencies	
Pre-Rinse Electric	1.6 gpm xn if 2.6 gpm prev xn'd	PSE Deemed	12/31/2013	Updated savings values and baseline efficiencies	
Pre-Rinse Electric	1.6 gpm xn if head not prev supplied	PSE Deemed	12/31/2013	Updated savings values and baseline efficiencies	

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**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
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**Aerator**

	Commercial or Industrial	Existing or New		
Hospitality	0.5 gpm aerators, annual savings	PSE Deemed	12/31/2013	Updated UES values
Aerators (Gas)	Hospitality Aerator Installation (Gas)	PSE Deemed	12/31/2013	Updated UES values
Aerators (Gas)	Non-hospitality Aerator Installation (Gas)	PSE Deemed	12/31/2013	Updated UES values

**Cooking Equipment**

	Commercial or Industrial	Existing or New		
Steamer, Connectionless	3 pan	PSE Deemed	4/1/2013	adjusted measure cost and added dealer incentive
Steamer, Connectionless	4 pan	PSE Deemed	4/1/2013	adjusted measure cost and added dealer incentive
Steamer, Connectionless	5 pan	PSE Deemed	4/1/2013	adjusted measure cost and added dealer incentive
Steamer, Connectionless	6 pan	PSE Deemed	4/1/2013	adjusted measure cost and added dealer incentive
Oven, Gas	Existing gas convection oven	PSE Deemed	4/1/2013	Changed measure cost from full to incremental
Oven, Gas	Existing gas double rack oven	PSE Deemed	4/1/2013	Changed measure cost from full to incremental
Oven, Gas	Existing gas single rack oven	PSE Deemed	4/1/2013	Changed measure cost from full to incremental

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 (2) Revision histories for noted measures are available upon request.  
 (3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.  
 (4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
<b>Dishwashers</b>				
		<b>Commercial or Industrial</b>	<b>Existing or New</b>	
Single Tank Conveyor, PSE provides gas	High temp, elec WH, gas booster	PSE Deemed	4/1/2013	Updated Measure cost and added dealer incentive
Single Tank Conveyor, PSE provides gas	High temp, gas WH, elec booster	PSE Deemed	4/1/2013	Updated Measure cost and added dealer incentive
Door Type, PSE provides gas	High temp, gas WH, elect. Booster	PSE Deemed	4/1/2013	Measure cost updated and dealer incentive added
Door Type, PSE provides gas	High temp, gas WH, gas Booster	PSE Deemed	4/1/2013	Measure cost updated and dealer incentive added
Single Tank Conveyor, PSE provides gas	High temp, gas WH, gas booster	PSE Deemed	4/1/2013	Updated Measure cost and added dealer incentive
Under Counter, PSE provides gas	High Temperature, elec WH, gas booster	PSE Deemed	4/1/2013	Measure cost updated and dealer incentive added
Door Type, PSE provides gas	High temperature, elec WH, gas booster	PSE Deemed	4/1/2013	Measure cost updated and dealer incentive added
Multi Tank Conveyor, PSE provides gas	High temperature, elec WH, gas booster	PSE Deemed	4/1/2013	Measure cost adjusted and dealer incentive added
Under Counter, PSE provides gas	High Temperature, gas building hot water, elec booster	PSE Deemed	4/1/2013	Measure cost updated and dealer incentive added
Multi Tank Conveyor, PSE provides gas	High temperature, gas WH, elec booster	PSE Deemed	4/1/2013	Measure cost adjusted and dealer incentive added
Multi Tank Conveyor, PSE provides gas	High temperature, gas WH, gas booster	PSE Deemed	4/1/2013	dealer incentive added
Under Counter, PSE provides gas	High Temperature, gas WH, gas booster	PSE Deemed	4/1/2013	dealer incentive added
Door Type, PSE provides gas	Low temp, gas WH	PSE Deemed	4/1/2013	Measure cost updated and dealer incentive added

**NOTES:** (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.  
 (2) Revision histories for noted measures are available upon request.  
 (3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.  
 (4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
Single Tank Conveyor, PSE provides gas	Low temp, gas WH	PSE Deemed	4/1/2013	Updated Measure cost and added dealer incentive
Multi Tank Conveyor, PSE provides gas	Low temperature, gas WH	PSE Deemed	4/1/2013	Measure cost adjusted and dealer incentive added
Under Counter, PSE provides gas	Low Temperature, gas WH	PSE Deemed	4/1/2013	Measure cost updated and dealer incentive added

**Spray Valves**

	Commercial or Industrial	Existing or New			
Pre-Rinse Gas			0.6 gpm xn if 1.6 gpm prev xn'd	PSE Deemed	12/31/2013 Updated savings values & baseline efficiencies
Pre-Rinse Gas			0.6 gpm xn if 2.2 gpm prev xn'd	PSE Deemed	12/31/2013 Updated savings values & baseline efficiencies
Pre-Rinse Gas			0.6 gpm xn if 2.6 gpm prev xn'd	PSE Deemed	12/31/2013 Updated savings values & baseline efficiencies
Pre-Rinse Gas			0.6 gpm xn if head not prev supplied	PSE Deemed	12/31/2013 Updated savings values & baseline efficiencies
Pre-Rinse Gas			1.0 gpm xn if 1.6 gpm prev xn'd	PSE Deemed	12/31/2013 Updated savings values & baseline efficiencies
Pre-Rinse Gas			1.0 gpm xn if 2.2 gpm prev xn'd	PSE Deemed	12/31/2013 Updated savings values & baseline efficiencies
Pre-Rinse Gas			1.0 gpm xn if 2.6 gpm prev xn'd	PSE Deemed	12/31/2013 Updated savings values & baseline efficiencies
Pre-Rinse Gas			1.0 gpm xn if head not prev supplied	PSE Deemed	12/31/2013 Updated savings values & baseline efficiencies
Pre-Rinse Gas			1.6 gpm xn if 2.2 gpm prev xn'd	PSE Deemed	12/31/2013 Updated savings values & baseline efficiencies
Pre-Rinse Gas			1.6 gpm xn if 2.6 gpm prev xn'd	PSE Deemed	12/31/2013 Updated savings values & baseline efficiencies
Pre-Rinse Gas			1.6 gpm xn if head not prev supplied	PSE Deemed	12/31/2013 Updated savings values & baseline efficiencies

**NOTES:** (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.

(2) Revision histories for noted measures are available upon request.

(3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.

(4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

**Residential**

**Electric**

Schedule E201 Low Income Weatherization

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
<b>Insulation</b>				
		<b>Manufactured Home Existing or New</b>		
Wall	R-0 to R-11	RTF Deemed	6/21/2013	Incorrect savings value used from RTF page
		<b>Single Family Existing or New</b>		
Floor	R-11 to R-30	PSE Deemed	6/14/2013	Value incorrecte entered by database manager
<b>Lamps</b>				
		<b>Manufactured Home Existing or New</b>		
CFL Energy Star®	No maximum amount	RTF Deemed	6/21/2013	Incorrectly noted implemented date and savings value
		<b>Multi Family Existing or New</b>		
CFL Energy Star®	No maximum amount	RTF Deemed	6/21/2013	Incorrectly noted implemented data and savings value
		<b>Single Family Existing or New</b>		
CFL Energy Star®	No maximum amount	RTF Deemed	6/21/2013	Implemented date incorreccted noted for former savings value

- NOTES:**
- (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.
  - (2) Revision histories for noted measures are available upon request.
  - (3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.
  - (4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

**Residential**

**Electric**

Schedule E201 Low Income Weatherization

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
<b>Lighting Fixtures</b>				
		<b>Manufactured Home Existing or New</b>		
CFL Energy Star®	Any interior or exterior fixture	RTF Deemed	6/21/2013	Incorrect savings value and impl date noted
		<b>Multi Family Existing or New</b>		
CFL Energy Star®	Any fixture	RTF Deemed	6/21/2013	Incorrectly noted implemented date & svgs value
CFL Energy Star®	Any fixture	RTF Deemed	6/21/2013	savings value update
		<b>Single Family Existing or New</b>		
CFL Energy Star®	Any fixture	RTF Deemed	6/21/2013	Incorrected noted savings value & implemented date

**Refrigerators**

		<b>Manufactured Home Existing or New</b>		
Replacements	not an incremental value	PSE Deemed	6/21/2013	Incorrectly noted effective date
		<b>Multi Family Existing or New</b>		
Replacements	not an incremental value	PSE Deemed	6/21/2013	Savings value effective date incorrectly entered
		<b>Single Family Existing or New</b>		
Replacements	not an incremental value	PSE Deemed	6/21/2013	Incorrectly entered effective date

**NOTES:** (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.  
 (2) Revision histories for noted measures are available upon request.  
 (3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.  
 (4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

**Residential**

**Electric**

Schedule E201 Low Income Weatherization

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
<b>Showerheads</b>				
		<b>Manufactured Home Existing or New</b>		
2.0 gpm or less	any water heat, any shower	PSE Deemed	6/21/2013	<i>Incorrect impl date and savings value entered</i>
		<b>Multi Family Existing or New</b>		
2.0 gpm or less	any water heat, any shower	PSE Deemed	6/21/2013	<i>Incorrectly noted impl date &amp; svgs value</i>
		<b>Single Family Existing or New</b>		
2.0 gpm or less	any water heat, any shower	PSE Deemed	6/21/2013	<i>Incorrectly noted impl date &amp; svgs value</i>
<b>Windows</b>				
		<b>Multi Family Existing or New</b>		
Various configurations	Early double-pane to double pane U .30	PSE Deemed	6/21/2013	<i>Incorrect impl date and savings value entered</i>
Various configurations	Single-pane (U 1.25) to double-pane U-value 0.30	PSE Deemed	6/21/2013	<i>Incorrect impl date and savings value entered</i>
		<b>Single Family Existing or New</b>		
Various configurations	Early double pane to double pane U .30	PSE Deemed	6/21/2013	<i>incorrected noted savings value and impl'd date</i>

**NOTES:** (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.  
 (2) Revision histories for noted measures are available upon request.  
 (3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.  
 (4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
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Clothes Washers

	Single Family	Existing only		
Energy Star®	Clothes Washer Replacement, Electric WH/Electric dryer	PSE Deemed	3/1/2013	Adjusted max incentive amount
Energy Star®	MEF 2.4 - 3.09, Electric WH, Electric Dryer	RTF Deemed	3/1/2013	Adjusted max incentive amount
Energy Star®	MEF 2.4 - 3.09, Electric WH, Gas Dryer	RTF Deemed	3/1/2013	Adjusted max incentive amount
Energy Star®	MEF 2.4 - 3.09, Gas WH, Electric Dryer	RTF Deemed	3/1/2013	Adjusted max incentive amount
Energy Star®	MEF 2.4 - 3.09, Gas WH, Gas Dryer	RTF Deemed	3/1/2013	Adjusted max incentive amount
Energy Star®	MEF 3.1; Gas WH, Gas Dryer	RTF Deemed	3/1/2013	Adjusted max incentive amount
Energy Star®	MEF 3.1+ Electric WH, Gas Dryer	RTF Deemed	3/1/2013	Adjusted max incentive amount
Energy Star®	MEF 3.1+ or greater, Electric WH, Electric Dryer	RTF Deemed	3/1/2013	Adjusted max incentive amount
Energy Star®	MEF 3.1+, Gas WH, Electric Dryer	RTF Deemed	3/1/2013	Adjusted max incentive amount

Duct Sealing

	Single Family	Existing only		
Weatherization--Quality Assured--site built homes	PTCS - FAF	RTF Deemed	11/8/2013	Incorrect incentive value entered
Weatherization--Quality Assured--site built homes	PTCS - Heat Pump	RTF Deemed	11/8/2013	Incorrect incentive value entered

Freezer

	Single Family	Existing only		
Decommissioning	"Regular" Working condition, >= 10 cu ft.	RTF Deemed	11/8/2013	Incorrect incentive value entered
Decommissioning	"Retail" Working condition, >= 10 cu ft.	RTF Deemed	11/8/2013	Incorrect incentive value entered

**NOTES:** (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.

(2) Revision histories for noted measures are available upon request.

(3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.

(4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

# Residential

## Electric

Schedule E214 Single Family Residential Existing

### Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
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#### Heat Pumps

Single Family Existing only

10.0 HSPF, 16 SEER	Incremental savings from code (7.7 HSPF)	PSE Deemed	11/14/2013	Incorrect measure life noted
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#### Lamps

Single Family Existing only

LED lamps	MR-16, halogen base	PSE Deemed	11/14/2013	Incorrect measure cost noted
CFL Energy Star®	Retail--Spirals	RTF Deemed	11/14/2013	Incorrect measure cost noted

#### Refrigerators

Single Family Existing only

Decommissioning	"Regular" Working condition, >= 10 cu ft	RTF Deemed	11/8/2013	Entered incorrect incentive value when archiving
Decommissioning	"Retail" Working condition, >= 10 cu ft	RTF Deemed	11/8/2013	Entered incorrect incentive value when archiving

#### Showerheads

Single Family Existing only

Various efficiencies, installation methods and water heating	Manufactured homes, 1.50 and less GPM, Any Shower, Electric WH, Direct install	RTF Deemed	11/14/2013	Incorrect measure cost noted.
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#### Water Heat

Single Family Existing only

Storage	0.94 EF or greater with 50 gal rated capacity	RTF Deemed	11/7/2013	Incorrect incentive value entered
Heat Recovery	Waste water heat recovery - pre heat domestic hot water tank with gravity film heat recovery device with heat transfer surface area of >= 3.85 sf	PSE Deemed	3/1/2013	Measure incorrectly classified as PSE deemed--actually RTF deemed

**NOTES:** (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.

(2) Revision histories for noted measures are available upon request.

(3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.

(4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.



**Residential**

**Electric**

**Schedule E214 Single Family Residential Existing**

**Measure Heading**

Measure Category      Additional details, comments, equipment applications      Savings Type      Retired Date      Reason Retired

**Windows**

		Single Family	Existing only			
Various configurations	Double pane to class 30 average, primary or patio			RTF Deemed	5/6/2013	Need to adjust eligibility qualifiers
Various configurations	Single pane to class 30 average, primary or patio			RTF Deemed	5/6/2013	Need to adjust eligibility qualifiers

- NOTES:** (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.
- (2) Revision histories for noted measures are available upon request.
- (3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.
- (4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

**Residential**

**Electric**

Schedule E215 Single Family Residential New Constr

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
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**Refrigerators**

Single Family New only

Energy Star®	Energy Star refrigerator CEE Tier 2 Any	RTF Deemed	11/14/2013	Incorrect meas life & cost noted
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- NOTES:**
- (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.
  - (2) Revision histories for noted measures are available upon request.
  - (3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.
  - (4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

# Residential

## Electric

Schedule E217

Multifamily Existing

### Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
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#### Common Area Measures

Multi Family Existing only

Ventilation	Garage CO Demand Sensor	Custom	11/14/2013	Incorrect measure life noted
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#### Device Controllers and Sensors

Multi Family Existing only

Smart Strips	Smart Power Strip	RTF Deemed	1/30/2013	Evaluation completed by RTF
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#### Lamps

Multi Family Existing only

LED Lamps	Tenant controlled LED lamps; downlighting	RTF Deemed	1/1/2013	Updated savings value to PSE deemed figure
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#### Refrigerators

Multi Family Existing only

Replacement	Primary, working unit, pre-1993, replaced and decommissioned by PSE contractor	PSE Deemed	11/8/2013	Incorrect incentive value entered
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**NOTES:** (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.

(2) Revision histories for noted measures are available upon request.

(3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.

(4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

## Residential

## Electric

Schedule E218

Multifamily New Construction

### Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
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### Lighting Systems

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
Stairwell	Bi-level, greater than or equal to 10 floors	PSE Deemed	11/14/2013	Incorrect measure cost noted.

### Refrigerators

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
Energy Star® or High Efficiency	Any Style w/ or w/o Icemaker	RTF Deemed	11/14/2013	Incorrect measure cost value noted

### Showerheads

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
2.0 gpm or less	Electric water heat, any showerhead	RTF Deemed	1/1/2013	Measure no longer cost effective

**NOTES:** (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.

(2) Revision histories for noted measures are available upon request.

(3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.

(4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
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**Fuel Conversion**

	Single Family	Existing only			
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Space and Water Heating	Base board heat, 19-20k kWh current usage	PSE Deemed	5/20/2013	Created simplified incentive structure
Space Heating Only	Base board heat, 19-20k kWh current usage	PSE Deemed	5/20/2013	Implement new incentive structure
Space and Water Heating	Base board heat, 20-22.5k kWh current usage	PSE Deemed	5/20/2013	Created simplified incentive structure
Space Heating Only	Base board heat, 20-22.5k kWh current usage	PSE Deemed	5/20/2013	Implement new incentive structure
Space and Water Heating	Base board heat, 22.5-25k kWh current usage	PSE Deemed	5/20/2013	Created simplified incentive structure
Space Heating Only	Base board heat, 22.5-25k kWh current usage	PSE Deemed	5/20/2013	Implement new incentive structure
Space and Water Heating	Base board heat, 25+ k kWh current usage	PSE Deemed	5/20/2013	Created simplified incentive structure
Space Heating Only	Base board heat, 25+ k kWh current usage	PSE Deemed	5/20/2013	Implement new incentive structure
Water Heating Only	Energy Star Gas water heater	PSE Deemed	5/20/2013	Implement new incentive structure
Water Heating Only	Energy Star Gas water heater	PSE Deemed	5/20/2013	Implement new incentive structure
Water Heating Only	Energy Star Tankless Gas water heater	PSE Deemed	5/20/2013	Implement new incentive structure
Water Heating Only	Energy Star Tankless Gas water heater	PSE Deemed	5/20/2013	Implement new incentive structure
Space and Water Heating	Forced air heat, 19-20k kWh current usage	PSE Deemed	5/20/2013	Created simplified incentive structure
Space and Water Heating	Forced air heat, 20-22.5k kWh current usage	PSE Deemed	5/20/2013	Created simplified incentive structure
Space Heating Only	Forced air heat, 19-20k kWh current usage	PSE Deemed	5/20/2013	Implement new incentive structure
Space Heating Only	Forced air heat, 20-22.5k kWh current usage	PSE Deemed	5/20/2013	Implement new incentive structure
Space and Water Heating	Forced air heat, 22.5-25k kWh current usage	PSE Deemed	5/20/2013	Created simplified incentive structure
Space Heating Only	Forced air heat, 22.5-25k kWh current usage	PSE Deemed	5/20/2013	Implement new incentive structure

**NOTES:** (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.

(2) Revision histories for noted measures are available upon request.

(3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.

(4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
Space Heating Only	Forced air heat, 25+ k kWh current usage	PSE Deemed	5/20/2013	Implement new incentive structure
Space and Water Heating	Forced air heat, 25+ k kWh current usage	PSE Deemed	5/20/2013	Created simplified incentive structure

- NOTES:**
- (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.
  - (2) Revision histories for noted measures are available upon request.
  - (3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.
  - (4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
<b>Showerheads</b>				
	<b>Single Family Existing only</b>			
Various efficiencies, installation methods and water heating	1.5 GPM Retail showerheads, Any Shower, Gas WH, Mail-in	RTF Deemed	1/1/2013	Updated to more accurate PSE deemed value
Various efficiencies, installation methods and water heating	1.5 GPM Retail showerheads, Mail-in, Any Shower, Gas WH	RTF Deemed	1/1/2013	Updated to more accurate PSE deemed value
Various efficiencies, installation methods and water heating	1.5 GPM Retail showerheads, Mail-in, Any Shower, Gas WH	RTF Deemed	1/1/2013	Updated to more accurate PSE deemed value
Various efficiencies, installation methods and water heating	1.75 GPM Retail showerheads, Any Shower, Gas WH	RTF Deemed	1/1/2013	Updated to more accurate PSE deemed value
Various efficiencies, installation methods and water heating	1.75 GPM Retail showerheads, Any Shower, Gas WH, Mail-in	RTF Deemed	1/1/2013	Updated to more accurate PSE deemed value
Various efficiencies, installation methods and water heating	1.75 GPM Retail showerheads, Any Shower, Gas WH, Mail-in	RTF Deemed	1/1/2013	Updated to more accurate PSE deemed value
Various efficiencies, installation methods and water heating	2.0 GPM Retail showerheads, Any Shower, Gas WH, Mail-in	RTF Deemed	1/1/2013	Updated to more accurate PSE deemed value
Various efficiencies, installation methods and water heating	2.0 GPM Retail showerheads, Mail-in, Any Shower, Gas WH	RTF Deemed	1/1/2013	Updated to more accurate PSE deemed value
Various efficiencies, installation methods and water heating	2.0 GPM Retail showerheads, Retail, Any Shower, Gas WH	RTF Deemed	1/1/2013	Updated to more accurate PSE deemed value
Various efficiencies, installation methods and water heating	Manufactured homes, 1.5 GPM, any shower, direct install (maximum of two units per structure)	PSE Deemed	1/1/2013	Updated to more accurate PSE deemed value
Various efficiencies, installation methods and water heating	Retail Channel, 1.50 gpm, Direct Install	RTF Deemed	1/1/2013	Updated to more accurate PSE deemed value

**NOTES:** (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.  
 (2) Revision histories for noted measures are available upon request.  
 (3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.  
 (4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

**Residential**

Gas

Schedule G215 le Family Residential New Constr

**Measure Heading**

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
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**Furnace**

Single Family New only

Energy Star®	Natural Gas EF 90	PSE Deemed	1/1/2013	Measure no longer cost effective
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**Home Bonus**

Single Family New only

Energy Star--No savings; only for new construction builders	Placeholder created to enable link to res tracking dbase		1/1/2013	No more SFNC gas measures, therefore, bonus is not needed
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- NOTES:**
- (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.
  - (2) Revision histories for noted measures are available upon request.
  - (3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.
  - (4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.



## Residential

Gas

Schedule G218

Multifamily New Construction

### Measure Heading

Measure Category	Additional details, comments, equipment applications	Savings Type	Retired Date	Reason Retired
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### Common Area Measures

Multi Family New only

Heat Recovery	Therm adjustment to heat recovery - Hydronic with cooling	Calculated	1/1/2013	Measure no longer cost effective
Heat Recovery	Therm adjustment to heat recovery - Hydronic without cooling	Calculated	1/1/2013	Measure no longer cost effective
Heat Recovery	Therm adjustment to heat recovery - WSHP	Calculated	1/1/2013	Measure no longer cost effective
Heat Recovery	using condensing boiler with external tank	Calculated	1/1/2013	Measure no longer cost effective

### HVAC

Multi Family New only

Hydronic heating	using condensing boiler with external tank	Calculated	1/1/2013	Measure no longer cost effective
Hydronic heating	using condensing water heater	Calculated	1/1/2013	Measure no longer cost effective

### Showerheads

Multi Family New only

2.0 gpm or less	Any water heat, any showerhead	PSE Deemed	1/1/2013	Measure no longer cost effective
2.0 gpm or less	Any water heat, any showerhead, boiler, EF.93	PSE Deemed	1/1/2013	Measure no longer cost effective

**NOTES:** (1) To preserve measure history, measures are not deleted. Rather, they are retired. Reasons include, but aren't limited to: database entry error, updated RTF values, new evaluation study that indicates an updated value is warranted, PSE no longer offers this measure, etc.

(2) Revision histories for noted measures are available upon request.

(3) Measure savings that were revised due to "savings value correction" were reflected and tracked in the EES Tracking and Forecasting System, using adjustment procedures noted in the "EES Guidelines for Ensuring Accuracy of Electric and Gas Savings" document. Measure savings adjusted as result of "Align with RTF value" occurred at the beginning of the year and required no correction action.

(4) Indicated measures are those archived in the Measure Metrics system; RTF UES, PSE Deemed, and selected calculated measures, where the savings value is relatively stable--Commercial LEDs, for instance.

# Exhibit 9

## Condition Compliance Checklist

### PSE 2012-2013 ENERGY EFFICIENCY DELIVERABLES---COMPLIANCE STATUS

- This table is intended to provide an overview of PSE plans to clearly indicate its achievement of the conditions and the status of conservation deliverables. It is revised to reflect the conditions included in Order 01, Docket No. UE-111881, which does not address sections A-J and section L of the 2010 EIA Settlement Agreement (UE-100177). These deliverables are still in force. Effective June, 2013, natural gas-specific requirements enumerated in Exhibit F of Docket No. UG-011571 are also included. Thus, this document is no longer an electric-specific checklist.
- Unless provided in a specific condition, when documentation is provided to the CRAG for review or comment--that doesn't have a specified review period--PSE will provide 30 calendar days--that takes into account very full demands on CRAG members' time--before it classifies a deliverable as "completed". Draft filing documents will have a review period of 60 days prior to the proposed effective date, per the applicable condition(s).
- If the condition doesn't indicate a specific CRAG deliverable ("review", "comment", "advise", etc.), the condition is considered met when the document, calculation, report, etc., is filed or submitted.
- If the condition indicates that PSE must perform some task "if" a change is requested (for instance, condition (7)(d)(ii)), and there is no such change requested, the compliance status will be checked "completed".
- As PSE has consistently demonstrated over the past several years, we will respond to requests for details not already contained in provided filings, reports or analyses, regardless of elapsed time, while maintaining the completed status of a condition.
- PSE considers the Annual and Biennial Conservation Plans "tariff filings" for purposes of condition compliance.
- The terms "Framework" and "Protocol" in applicable conditions in Order 01 are sometimes used interchangeably.
- RTF has updated the term "Deemed". Effective in 2011, measures with a standard savings value are now referred to as UES; Unit Energy Savings.
- Red text in "Condition is met when" field indicate an update since the last checklist publication.



= completed



= will be completed by current year filing



= did not complete













= in progress

As of: 01/13/14











Section or Condition Number	Detailed Condition	CRAG Role	Condition is <b>met</b> when: <i>(As PSE has consistently demonstrated over the past few years, we will respond to requests for details not already contained in provided filings, reports or analyses on an ongoing basis.)</i>	Deliverable Provided Date	Complete?  Blank = No Date = Pending Check = Yes Hourglass = In Progress X = Non-compliant
A(1)	The following parties reached agreement on the terms for approval of Puget Sound Energy Inc's Ten-Year Achievable Conservation Potential and Biennial Conservation Target, which Puget Sound Energy filed in Docket UE-100177 on June 18, 2010: Puget Sound Energy, Inc. ("PSE" or the "Company"); the Staff of the Washington Utilities and Transportation Commission; the Public Counsel Section of the Attorney General's Office; Intervenor [sic] Industrial Customers of Northwest Utilities; and Intervenor NW Energy Coalition ("NWECC") (hereinafter referred to collectively as "Executing Parties"). This Settlement Agreement ("Agreement") is the agreement reached by the Executing Parties.	No specific CRAG role			Not applicable--No deliverable
A(2)	The Executing Parties intend that this Agreement shall supersede and replace the Settlement Terms for Conservation, Exhibit F to the Settlement Stipulation in Docket UE-011570 for electric conservation. This Agreement addresses conservation of electricity only. It does not address conservation of natural gas. The Northwest Industrial Gas Users and The Energy Project, signatories to the Settlement Terms for Conservation, Exhibit F to the Settlement Stipulation in Docket UG-011571 but not parties in Docket UE-100177, participated in discussions about the preparation of this Agreement. <b>Nothing in this settlement shall affect the natural gas Settlement Terms for Conservation, Exhibit F to the Settlement Stipulation in Docket UG-011571 with respect to natural gas conservation, which remains in full force and effect with respect to natural gas conservation issues.</b>  (Emphasis added.)	No specific CRAG role			Not applicable -- No deliverable
A(3)	The approval of Initiative 937 in 2006, codified in Chapter 19.285 of the Revised Code of Washington as the Energy Independence Act, and PSE's subsequent filing in Docket UE-100177, resulted in the need to update and amend the electric conservation provisions of the Settlement Terms for Conservation, Exhibit F to the Settlement Stipulation in Docket UE-011570. Those changes are included in this Agreement. RCW 19.285.040(1) and WAC 480-109-010 require utilities to identify achievable cost-effective conservation potential using methodologies consistent with those used by the Northwest Power and Conservation Council ("Council").	No specific CRAG role			Not applicable -- No deliverable
B(4)	This Agreement establishes a conservation program with no sunset date. Any party may petition the Commission for modifications to the program, including in a general rate case proceeding. Nothing herein prevents any party from commenting on any filings under this or any other docket before the Commission.	No specific CRAG role			Not applicable -- No deliverable
B(4)(a)	Except where expressly stated, the conditions in Section K and all other provisions of this Agreement are intended to remain in effect notwithstanding the biennial review conducted under the Energy Independence Act. Any party may petition to, or the Commission may on its own motion and notice to parties, modify the conservation program if required by the results of the review.	No specific CRAG role			Not applicable -- No deliverable
B(4)(b)	In the event that PSE is not required to set or achieve specific conservation savings targets by the Energy Independence Act or other state law, PSE agrees to continue a conservation program that is consistent with the provisions of the 2002 Settlement, such that the programs funded through PSE's tariff rider will be designed to achieve all savings that are not independently captured by consumer acquisition, that are cost-effective to the Company, and economically feasible for consumers, taking into account incentives provided by PSE.	No specific CRAG role			Not applicable -- No deliverable










Section or Condition Number	Detailed Condition	CRAG Role	Condition is <u>met</u> when: (As PSE has consistently demonstrated over the past few years, we will respond to requests for details not already contained in provided filings, reports or analyses on an ongoing basis.)	Deliverable Provided Date	Complete?  Blank = No Date = Pending Check = Yes Hourglass = In Progress X = Non-compliant
C(5)	PSE shall set the ten-year conservation potential and the biennial conservation targets as required by the Energy Independence Act (RCW 19.285) and WAC 480-109 and consistent with this Agreement.	No specific CRAG role			Not applicable -- No deliverable
C(6)	In general each individual energy efficiency program shall be designed to be cost-effective.	No specific CRAG role			Not applicable -- No deliverable
D(7)	PSE shall establish an external Advisory Committee. The Advisory Committee shall address, but not be limited to the issues identified in Section K.3 of this Agreement.				Not applicable -- No deliverable
D(8)	Advisory Committee membership shall be established as follows. The Company shall extend an invitation to serve as an Advisory Committee member to a representative from at least each of the following organizations: WUTC staff, Attorney General Office of Public Counsel, NW Energy Coalition, Energy Project, Natural Resources Defense Council, Pacific Northwest Electric Power and Conservation Council, Industrial Customers of Northwest Utilities, Northwest Industrial Gas Users, Washington State Department of Commerce, Northwest Energy Efficiency Council, and the Department Of Energy Weatherization Assistance Program provider network. Additionally, the Company shall seek customer representatives from the residential, commercial, industrial, and institutional sectors to serve on the Advisory Committee. Other interested parties may attend Advisory Committee meetings as well, but will not be considered Advisory Committee members. This ongoing committee is now called the Conservation Resources Advisory Group (CRAG).	No specific CRAG role			Not applicable -- No deliverable
E(9)	To determine which energy efficiency programs and measures are cost-effective, PSE shall rely on a calculation of avoided cost consistent with the Council methodology and with the Energy Independence Act.	No specific CRAG role			Not applicable -- No deliverable
UG-011571 F.16	PSE shall develop, in conjunction with its August 2002 filing, avoided costs for natural gas efficiency programs, with review from the Advisory Committee, by analyzing similar components of system costs.		PSE presents its Annual or Biennial Conservation Plan, that includes gas program avoided costs in Exhibit 2.	11/01/13	
E(10)	PSE may modify, after consultation with the CRAG, the Company's calculation of avoided cost based upon the following: modification to one or more component values of the calculation, use of a forecasting tool or production cost model other than Aurora, establishment of load factors that are more specific to PSE's service territory, or other information relevant to the calculation of avoided cost.	Consult	PSE conveys the date that the CRAG was consulted.	11/01/13	
F(11)	The annual budget of the program will be built up from the bottom through the development of a mix of programs that deliver cost-effective savings in PSE's service territory. PSE's conservation targets developed under RCW 19.285.040(1) will direct development of the mix of cost effective programs that will establish the budgets for efficiency programs.	No CRAG specific role	PSE provides to the CRAG its draft of biennial budgets and savings goals on September 1 each odd year.	Started 2013 budget development July 2012	
UG-011571 H.25	Tariff-rider funds shall only be used on programs and their associated administrative costs that result in energy savings through energy efficiency investments or fuel switching. <b>This may include reasonable administration costs for PSE's net metering program.</b>  (Emphasis added.)	Review	PSE provides its annual budgets in its Conservation Plans and reports expenditures in its Annual Reports.	Concurrent with PSE's filing of Annual Conservation Plans	

Section or Condition Number	Detailed Condition	CRAG Role	Condition is <u>met</u> when: (As PSE has consistently demonstrated over the past few years, we will respond to requests for details not already contained in provided filings, reports or analyses on an ongoing basis.)	Deliverable Provided Date	Complete?  Blank = No Date = Pending Check = Yes Hourglass = In Progress X = Non-compliant
F(12)	Schedule 449 customers are eligible for self-direction under existing Schedule 258 and participation in efficiency programs offered by PSE, except as stated in paragraph 13. Schedule 258 customers who are not on Schedule 449 will be eligible to participate in other programs offered directly by PSE. Non-449 Schedule 258 customers will share in paying NEEA/market transformation and administration costs consistent with all other non-449 customers.	No CRAG specific role	PSE provides Schedule 120 and/or Schedule 258 work papers.	Ongoing-- Standard Business Practice	
F(13)	Each Schedule 449 customer can self-direct and/or participate in programs offered directly by PSE up to a total dollar cap equal to the annual efficiency funding level for that 449 customer minus 17.5% of that amount. The 17.5% represents payments for market transformation (10%) and for administration (7.5%).	No CRAG specific role	PSE provides Schedule 120 and/or Schedule 258 work papers.	Ongoing-- Standard Business Practice	
G(14)	PSE will continue to honor Commitments 22 and 23 from U-072375 with regard to future funding levels for low-income energy conservation programs based on the 2010-2011 planning levels. PSE will continue to work with agencies to provide additional funding above that established by Commitment 22 if additional production through the existing or newly developed cost-effective programs warrants it. In addition, PSE will continue to contribute a total of \$300,000 of shareholder funds annually for low-income weatherization regardless of fuel type.	No CRAG specific role	PSE provides its budget drafts to the CRAG on September 1 each year.	Ongoing-- Standard Business Practice	
H(15)	The Company shall retain the existing rider mechanism going forward, subject to the Commission's Order in Docket No. UE-970686.	No CRAG specific role	PSE files its Schedule 120 each March 1.  Gas Tracker converted to Rider mechanism, Docket No UG-120812.	04/25/13	
H(16)	The Company shall continue to use the peak credit method of assigning the costs of its electric conservation programs to each rate schedule with one exception, the Schedule 449 customers. (The CRAG will review cost allocation methodology per Section K, Paragraph (11)(c)). Schedule 449 customers currently pay 0.0944 cents per kWh toward the cost of the current Schedule 258 four-year conservation program (4/1/10 – 4/1/14). The current practice is to hold the payment amount constant over the Schedule 258 period. This amount is based on a \$164 million biennial electric conservation-only budget for 2010-11, and is scalable in the next Schedule 258 budget cycle depending on whether the overall conservation budget increases or decreases. In 2002, the Schedule 449 customers paid 0.045 cents per kWh toward the cost of the conservation program. This amount was based on a \$20 million annual budget.	No CRAG specific role	A final revised Schedule 258 was filed and approved in August, 2011.	Ongoing-- Standard Business Practice	
UG-011571 L.38	Gas conservation program costs will be allocated in a manner consistent with the gas program in effect in May 2002. No gas conservation program costs shall be allocated for recovery from natural gas transportation customers. Natural gas program cost recovery allocations made to natural gas sales customers shall be made according to the peak credit (i.e., bridge) methodology that underlies Puget's recovery for surcharges for its current conservation programs as approved in March 2002 in Docket No. UG-020264.			Concurrent with PSE's filing of Annual Conservation Plans	









Section or Condition Number	Detailed Condition	CRAG Role	Condition is <u>met</u> when: (As PSE has consistently demonstrated over the past few years, we will respond to requests for details not already contained in provided filings, reports or analyses on an ongoing basis.)	Deliverable Provided Date	Complete?  Blank = No Date = Pending Check = Yes Hourglass = In Progress X = Non-compliant
I(17)	Achievement of the biennial targets for savings from cost-effective electricity conservation programs shall be subject to the penalty/incentive provisions of the Energy Independence Act. In the event that statutory penalties/incentives no longer apply under the Energy Independence Act or other state law or Commission order, PSE agrees to develop and propose a replacement penalty mechanism in consultation with the CRAG. At the same time, PSE may propose an incentive mechanism in consultation with the CRAG.	No CRAG specific role	Subsequent to the submittal and approval of its electric conservation achievements, PSE pays any agreed-to fines due.	Subsequent to Commission order 07, Docket No UE-100177, October 2012	
UG-011571 M.43	<div style="border: 1px solid black; padding: 5px;"> <p>The financial penalties for failure to achieve the annual conservation savings targets are as follows.</p> <ul style="list-style-type: none"> <li>• Achieve savings that are 90 to 99% of the goal: \$200,000 penalty applies</li> <li>• Achieve savings that are 75% to 89% of the goal: \$500,000 penalty applies</li> </ul> <p>Achieve savings that are less than 75% of the goal: \$750,000 penalty applies</p> </div>		PSE documents the presentation of the penalty calculation figures and the resultant indication of penalty/no penalty status.	Final biennial results are represented in odd-year Annual Reports	Due in 2014 
I(18)	The Company shall provide biennial notification in a Conservation Report Card to its customers regarding the Company's performance related to its biennial savings targets under the Energy Independence Act. [The following is after I(18)(d)(3)] The report also may contain reference to PSE's ongoing energy efficiency programs, including encouragement for customers to participate in those programs. The report shall:	No CRAG specific role	Please see I(18)c	Subsequent to Commission order 07, Docket No UE-100177, October 2012	
UG-011571 M.44	The Company shall provide biennial notification in a Conservation Report Card to its customers regarding the Company's performance related to its annual savings targets. The report shall:  (All agree with I(18)(a), I(18)(b). <b>M.44.c</b> , though, indicates:  Be distributed no later than 90 days after the filing of the Annual Conservation report (currently due February 15), beginning in 2006 and every two years thereafter.		PSE provides documentation of the notification "proof" and the first delivery date.	10/01/12	
I(18)(a)	Be distributed as a conspicuous stand-alone document accompanying a customer's bill or in a separate mailing and also posted to PSE's website.	No CRAG specific role	Please see I(18)c		Only the condition section heading will be checked.
I(18)(b)	Be distributed to customers only after adequate consultation with Staff and the CRAG.	No CRAG specific role	The CRAG received the gas report card at the March 22 CRAG meeting. The electric report card will commence delivery 90 days after the Commission acknowledges PSE 2010-2011 electric conservation achievement.		Only the condition section heading will be checked.
I(18)(c)	Be distributed no later than 90 days after the Commission determination on the two-year report on conservation program achievement required by the Energy Independence Act and Commission rules.	No CRAG specific role	The report card mailing to customers commences 90 days after the biennial report is filed with the UTC and Department of Commerce and after thirty days for written or oral comments; <b>October 27, at the earliest.</b>		Only the condition section heading will be checked.










Section or Condition Number	Detailed Condition	CRAG Role	Condition is <u>met</u> when: (As PSE has consistently demonstrated over the past few years, we will respond to requests for details not already contained in provided filings, reports or analyses on an ongoing basis.)	Deliverable Provided Date	Complete?  Blank = No Date = Pending Check = Yes Hourglass = In Progress X = Non-compliant
I(18)(d)	Contain the following information, at a minimum: 1) A brief description of the purpose of the report. 2) A brief description of the benchmarks and an indication of whether the Company met the benchmarks in each biennial period. 3) The total amount of penalties imposed (or incentive earned) for the current reporting period.	No CRAG specific role	Please see I(18)c		Only the condition section heading will be checked.
J(19)	PSE may adopt line extension policies that are designed to encourage (and particularly not discourage) builders, developers, and end-use customers to select a heating fuel that is most resource efficient and adopt construction practices that exceed current energy codes.	No CRAG specific role	Policies are documented and are publicly accessible at PSE.com: electric Schedule 85 and gas Schedules 7, 107 and 307.	Ongoing--Standard Business Practice	
Effective June 2012, no longer SECTION K. "Commission Order 01, Docket No. UE-111881"					
(1)	Puget Sound Energy's 2012-2021 ten-year achievable conservation potential of 3,531,508 megawatt-hours (403.1 average megawatts), and PSE's 2012-2013 biennial conservation target of 666,000 megawatt-hours (76.0 average megawatts) at the customer meter, identified in PSE's 2012-2013 Biennial Conservation Plan (BCP) filed on October 28, 2011, are approved with conditions pursuant to RCW 19.285.040(1)(e) and WAC 480-109-010(4)(c). This approval is subject to the Conditions described in Paragraphs (2) through (12) below. The Conditions in this Order, and not those in Section K of the EIA Settlement filed September 3, 2010 and approved by the Commission in Order 05 in Docket UE-100177, shall apply to PSE's 2012-2021 Ten-Year Achievable Conservation Potential and PSE's 2012-2013 Biennial Conservation Target.				Not applicable -- No deliverable
(2)	Nothing within this Agreement relieves PSE of the sole responsibility for complying with RCW 19.285 and WAC 480-109, which requires PSE to use methodologies consistent with those used by the Pacific Northwest Electric Power and Conservation Planning Council ("Council"). Specifically, the conditions regarding the need for a high degree of transparency, and communication and consultation with external stakeholders, <u>diminish neither PSE's operational authority</u> nor its ultimate responsibility for meeting the biennial conservation target approved herein.		Emphasis added.	ongoing	
(3)(a)	PSE must maintain and use an external conservation Advisory Group of stakeholders to advise the Company on the topics described in subparagraphs (i) through (ix) below. To meet this condition, PSE shall continue to use its Conservation Resources Advisory Group (CRAG), initially created under Docket UE-011570 and UG-011571, and its Integrated Resource Planning Advisory Group created under WAC 480-100-238. The Advisory Groups shall address but are not limited to the following issues:	No CRAG specific role		ongoing	
(3)(a)(i)(1)	(1) Updates to the evaluation, measurement, and verification (EM&V) framework as implemented by PSE which guides its approach to evaluation, measurement, and verification of energy savings. This framework must be reflected in the Biennial Conservation Plan for the next biennium, 2014-2015, and	Review & Advise	The EM&V framework is filed on November 1, 2013.	Included in 2014-2015 BCP filing	
(3)(a)(i)(2)	(2) Modification of existing or development of new EM&V conservation protocols based on PSE's current evaluation, measurement and verification approach.	Review & Advise	PSE provides the dates of comment opportunities are provided	Included in 2014-2015 BCP filing	
(3)(a)(ii)	Development of conservation potential assessments under RCW 19.285.040(1)(a) and WAC 480-109-010(1).	Review & Advise	PSE provides "IRP filed on <_/_/_>"	05/31/13	
(3)(a)(iii)	Guidance to PSE regarding methodology inputs and calculations for updating cost-effectiveness.	Review, Advise & Guidance	When a simple majority of CRAG members express agreement or consensus on the cost and benefit inputs definitions and sources PSE will use for each of the TRC, UCT, cost-effectiveness tests.	11/1/2013	





Section or Condition Number	Detailed Condition	CRAG Role	Condition is <u>met</u> when: (As PSE has consistently demonstrated over the past few years, we will respond to requests for details not already contained in provided filings, reports or analyses on an ongoing basis.)	Deliverable Provided Date	Complete?  Blank = No Date = Pending Check = Yes Hourglass = In Progress X = Non-compliant
(3)(a)(iv)	Review the market assessments and the data values used in updating PSE's supply curves.	Review & Advise	Market assessment analyses are presented as part of the IRP.	05/31/13	
(3)(a)(v)	Review need for tariff modifications or mid-course program corrections.	Review need for	PSE documents the date of the first CRAG notification of a possible mid-course program correction or need of tariff modification.	Ongoing	
(3)(a)(vi)(1)	Review appropriate level of and planning for - Marketing conservation programs.	Review, Advise, Comment, & Hear Updates	PSE documents the date of the review.	8/22/2013 CRAG meeting	
(3)(a)(vi)(2)	Review appropriate level of and planning for - Incentives to customers for measures and services.	Review & Advise, Periodically exam, Establish appropriate penetration levels	Exhibit 4 revisions are presented to CRAG on a quarterly basis. Measure detail is provided in the BCP.	Incentives and incentive revisions included with each Exhibit 4 filing notification. October, 2012. Will continue to comply with requirement through remainder of biennium.	
(3)(a)(vii)	Consideration of issues related to conservation programs for customers with low-income.	Review & Consider Issues	ACP/BCP is acknowledged by Commission.	11/01/13	
(3)(a)(viii)	Program achievement results with annual and biennial targets.	Review	The hard copy Annual Report is mailed to CRAG members.	02/15/12	
(3)(a)(ix)	Review conservation program budgets; and review the actual expenditures compared to the program budgets. PSE shall inform the CRAG members when its projected expenditures indicate that the Company will spend more than 120% or less than 80% of its annual conservation budget.	Review & Advise and be Informed	(1) Q3 forecast is provided, clearly indicating an estimated spend-vs.-budget ratio, regardless of expected expenses or savings ratios. (2) If portfolio-level spending is forecast to be >120% or <80%, PSE will provide driver explanations.	10/11/12	
(3)(b)	The CRAG shall meet face-to-face at least semi-annually to hear updates, review program modifications, or consider need for revisions. In addition, the CRAG shall meet at least two additional times per year through conference calls or face-to-face meetings. CRAG members may call meetings at any time with sufficient notice for meeting attendance. PSE shall make arrangements to hold a meeting within 2 weeks from the date of the request.	Shall Meet, Hear, Review, Consider, Advise	The Annual Reports are published February 15 each year	2012: March 22, June 21, October 11, December 6, 2013: March 22, June 6, July 18, Aug 22, Oct 1	
(3)(c)	Except as provided in Paragraph (8) below, the Company will provide the CRAG an electronic copy of all tariff filings related to programs funded by the Electric Conservation Service Rider that the Company plans to submit to the Commission at least two months before any proposed effective date. When extraordinary circumstances dictate, the Company may provide the CRAG with a copy of a filing concurrent with the Commission filing. This condition does not apply to a general rate case filing.	Receive Filings	PSE documents the date of providing the CRAG with the draft tariff filing.	Provided CRAG with updated Schedules 83, 120, 183 in Q1 & 2. Continued to comply with order throughout remainder of biennium.	
(3)(d)	The Company will notify the CRAG of public meetings scheduled to address the Company's integrated resource plan. The Company will also provide the CRAG with the assumptions and relevant information utilized in the development of PSE's integrated resource plan as they apply to development and/or modification of the ten-year conservation potential as requested through the integrated resource plan public process. This will include updated information such as conservation supply curves and avoided cost analysis.	Receive Notifications of IRPAG mtgs., Review assumptions & relevant info & Advise	Appendix A of the IRP provides a discussion of the IRPAG and CRAG, along with meeting dates with summaries.  The CRAG is copied on all IRPAG meeting notifications	05/31/13	






Section or Condition Number	Detailed Condition	CRAG Role	Condition is <u>met</u> when: (As PSE has consistently demonstrated over the past few years, we will respond to requests for details not already contained in provided filings, reports or analyses on an ongoing basis.)	Deliverable Provided Date	Complete?  Blank = No Date = Pending Check = Yes Hourglass = In Progress X = Non-compliant
(4)(a)	PSE must submit annual budgets to the Commission each year. The submissions must include program-level detail that shows planned expenses and the resulting projected energy savings. In odd-numbered years, the annual budget may be submitted as part of the Biennial Conservation Plan required under Paragraph 8(f) below. In even-numbered years, the annual budget may be submitted as part of the Annual Conservation Plan required under Paragraph 8(b) below. The Annual Conservation Plan will include program descriptions and annual budget details as contained in the BCP.	Review & Advise	PSE mails hard copy versions to CRAG members	11/01/12	
UG-011571 E.14	Electric and gas conservation annual savings targets and budgets will be periodically adjusted as presented below in Tables A-1 and A-2.		PSE provides Annual or Biennial Conservation Plans.	11/01/13	
(4)(b)	PSE must provide its proposed budget in a detailed format with a summary page indicating the proposed budget and savings levels for each electric conservation program, and subsequent supporting spreadsheets providing further detail for each program and line item shown in the summary sheet.		PSE documents the date on which the budget is provided to the CRAG.	11/01/12	
(5)	PSE must maintain its conservation tariffs, with program descriptions, on file with the Commission. Program details about specific measures, incentives, and eligibility requirements must be filed as tariff attachments as shown in the BCP. PSE may propose other methods for managing its program details in the Biennial Conservation Plan required under Paragraph 8(f) below, after consultation with the CRAG as provided in Paragraph 9(b) below.	Review	PSE provides to the CRAG the date(s) on which the Exhibits were updated.	Two updates of Exhibit 4 filed to date in 2012. Third quarter filed in October. Q4 not filed, as it would conflict with 2013 ACP version.  Q1 2013 filed in April, 2013	
(6)(a)	PSE has identified a number of potential conservation measures described in the BCP. The Commission is not obligated to accept savings identified in the BCP for purposes of compliance with RCW 19.285. PSE must demonstrate the prudence and cost-effectiveness of its conservation programs to the Commission after the savings are achieved. See RCW 19.285.040(1)(d).	No CRAG specific role	The data is filed as an exhibit to the Annual Report.	Prudence is demonstrated during Schedule 120 filing reviews.	
(6)(b)	Except as provided in Paragraph 6(c) below, PSE must use the Council's Regional Technical Forum's ("RTF's") "deemed" savings for electricity measures. As of the date of this Agreement, the RTF maintains a Web site at <a href="http://www.nwcouncil.org/energy/rtf/">http://www.nwcouncil.org/energy/rtf/</a> .	No CRAG specific role	The list of prescriptive measures, indicating the savings type, is provided as an appendix to the Annual Report.	Ongoing	
(6)(c)	If PSE uses savings estimates that differ from those established by the RTF, such estimates must be based on generally accepted impact evaluation data and/or other reliable and relevant source data that has verified savings levels, and be presented to the CRAG for comment.	Review and Comment	PSE presents Exhibit 4 of its Annual Report.	Ongoing	
(6)(d)	When PSE proposes a new program tariff schedule, it must present it to the CRAG for comment with program details fully defined. After consultation with the CRAG in accordance with Paragraph (3) above, PSE must file a revision to its Annual Conservation Plan in this Docket. The revision may be acknowledged by placement on the Commission's No Action Open Meeting agenda.	Review and Comment	The new Schedule and ACP revision are filed.	Ongoing	
(6)(e)	PSE must provide opportunities for the CRAG to review and advise on the development of evaluation, measurement and verification protocols for conservation programs. See Paragraph 3(a)(i) above.	Review & Advise	PSE documents the dates on which EM&V protocol drafts were provided to the CRAG and 30 days after the final draft is presented.	11/01/13	





Section or Condition Number	Detailed Condition	CRAG Role	Condition is <u>met</u> when: (As PSE has consistently demonstrated over the past few years, we will respond to requests for details not already contained in provided filings, reports or analyses on an ongoing basis.)	Deliverable Provided Date	Complete?  Blank = No Date = Pending Check = Yes Hourglass = In Progress X = Non-compliant
(6)(f)	PSE must spend a reasonable amount of its conservation budget on EM&V, including a reasonable proportion on independent, third-party EM&V. PSE must perform EM&V annually, on a four-year schedule of selected programs such that, over the EM&V cycle, all major programs are covered. The EM&V function includes impact, process, market and cost test analyses. The results must verify the level at which claimed energy savings have occurred, evaluate the existing internal review processes, and suggest improvements to the program and ongoing EM&V processes. Evaluation reports involving analysis of both program impacts and process impacts of the programs evaluated in the prior year must be part of the Annual Report on Conservation Acquisition described in Paragraphs (8)(c) and (g) below.	No CRAG specific role	The Annual Report is filed.	09/01/13	
(6)(g)	An independent third-party evaluation of portfolio-level electric energy savings reported by PSE for the 2012-2013 biennial period, from existing conservation programs operated during that period, shall be conducted to verify those savings. The independent third-party evaluator shall be selected through an RFP process. The review will be funded by the PSE Electric Conservation Service Rider. The review will be managed by UTC and PSE staff with input on the scope, cost, RFP development, evaluator selection and ongoing oversight by the CRAG. The scope shall:	Input & Ongoing Oversight	(1) the evaluator is selected  (2) when the initial report is provided and  (3) when the final report is provided.	PSE has an RFP for a consultant to design review RFP.	   Due May, 2014
(6)(g)(i)	focus on portfolio level EM&V of the existing 2012-2013 PSE conservation portfolio regarding impact, process, market, and cost-effectiveness analysis,				Only the condition section heading will be checked.
(6)(g)(ii)	examine selected existing 2012-2013 programs or measures in more depth than others, as called for in the RFP, and				Only the condition section heading will be checked.
(6)(g)(iii)	provide for some additional but limited detailed independent EM&V study at the program or measure level to be selected by the independent third-party evaluator from the Company's existing 2012-2013 programs.				Only the condition section heading will be checked.
(6)(g)	This evaluation shall include a review of the Company's reported electric savings on a semi-annual basis, with results provided to Commission staff and PSE and then discussed with the CRAG. A final report for the entire 2012-2013 biennium shall be submitted as part of the Company's two-year report on conservation program achievement, required by Paragraph (8)(h) below. The report shall be finalized and made available no later than June 2014 and may be implemented in phases and delivered as a final product at an earlier date, as needed by PSE.		The final review report is filed with the Biennial Conservation Report on June 1, 2014.		Due in 2014 
(7)(a)	All Sectors Included — PSE must offer a mix of tariff-based programs that ensure it is serving each customer sector, including programs targeted to the low-income subset of residential customers. Modifications to the programs must be filed with the Commission as revisions to tariffs or as revisions to PSE's Annual Conservation Plan, as appropriate.	None	PSE provides to the CRAG the date(s) on which the Exhibits were updated on a quarterly basis.	No specific deliverable -ongoing business practice.	
(7)(b)	Outreach on Programs — PSE must establish a strategy and proposed implementation budget for informing participants about program opportunities in the relevant market channels for each of its energy efficiency programs. PSE must share these strategies and budgets with the CRAG for review and comments, and provide updates at CRAG meetings.	No CRAG specific role	The outreach strategy and budgets have been shared and reviewed with the CRAG in a face-to-face CRAG meeting.	Included in Marketing cost element of budget details	
(7)(c)	Incentives and Conservation Program Implementation — PSE must offer a cost-effective portfolio of programs in order to achieve all available conservation that is cost-effective, reliable, and feasible. Programs, program services, and incentives may be directed to consumers, retailers, manufacturers, trade allies or other relevant market actors as appropriate for measures or activities that lead to electric energy savings. Incentive levels and other methods of encouraging energy conservation need to be periodically examined to ensure that they are neither too high nor too low. Incentive levels and implementation methods should not unnecessarily limit the acquisition of all available conservation that is cost-effective, reliable, and feasible. PSE shall work with the CRAG to establish appropriate penetration levels consistent with Council methodology and the Energy Independence Act.	Review	PSE files applicable program Exhibits, including but not limited to Exhibit 3 (Program Details) and Exhibit 4 (Measures, Incentives & Eligibility)	No specific deliverable -ongoing business practice.	

Section or Condition Number	Detailed Condition	CRAG Role	Condition is <u>met</u> when: (As PSE has consistently demonstrated over the past few years, we will respond to requests for details not already contained in provided filings, reports or analyses on an ongoing basis.)	Deliverable Provided Date	Complete?  Blank = No Date = Pending Check = Yes Hourglass = In Progress X = Non-compliant
(7)(d)	Conservation Efforts without Approved EM&V Protocol — PSE may spend up to ten (10) percent of its conservation budget on programs whose savings impact has not yet been measured, as long as the overall portfolio of conservation passes the Total Resource Cost (TRC) test as modified by the Council. These programs may include information-only, behavior change, and pilot projects.  [From last paragraph] The Company may ask the Commission to modify this spending limit following full CRAG consultation. As of the date of this Agreement, an outline of the major elements of the Council's methodology for determining achievable conservation potential, including the Total Resource Cost test, is available on the Council's Web site at <a href="http://www.nwcouncil.org/energy/powerplan/6/supplycurves/1937/CouncilMethodology_outline%202_2_.pdf">http://www.nwcouncil.org/energy/powerplan/6/supplycurves/1937/CouncilMethodology_outline%202_2_.pdf</a> .	No CRAG specific role	The analysis is provided.	ratios of conservation budgets without savings are included in Exhibit 1. December, 2012.	
(7)(d)(i)	Information-only services refers to those information services that are not associated with an active incentive program or that include no on-site technical assistance or on-site delivery of school education programs. Information-only services and behavior change services shall be assigned no quantifiable energy savings value without full support of the CRAG.	No CRAG specific role	PSE documents the date and voting results of the CRAG for proposed savings claims on information-oriented measures.		Only the condition section heading will be checked.
(7)(d)(ii)	If quantifiable energy savings have been identified and Commission-approved for any aspect of such programs, the budget associated with that aspect of the program will no longer be subject to this ten percent spending restriction.	No CRAG specific role	PSE provides the date on which it provides its updated calculation of spending on information-oriented programs to the CRAG.		Only the condition section heading will be checked.
(8)	Required Reports and Filings				
(8)(a)	Semi-annual Conservation Acquisition Report, comparing budgeted to actual kWh's and expenditures, by August 15, 2012.	Review & Comment	The Semi-annual Report is filed with UTC and PSE mails hard-copy versions to CRAG members.	Semi-Annual Report filed on August 15.	
(8)(b)	By December 1, 2012, the 2013 Annual Conservation Plan, containing any changes to program details and an annual budget with a requested acknowledgement date of January 1, 2013. The Annual Conservation Plan may be acknowledged by placement on the Commission's No Action Open Meeting agenda. A draft will be provided to the CRAG by November 1, 2012.	Review & Comment Prior To Filing	The ACP draft is provided to CRAG members in electronic and hard-copy form. Content layout is reviewed in a CRAG meeting. PSE responds to all filing questions.	11/01/2012 12/01/2012	
(8)(c)	2012 Annual Report on Conservation Acquisition, including an evaluation of cost-effectiveness and comparing budgets to actual, by February 15, 2013.	No CRAG specific role	PSE files the Annual Report.	02/13/13	
(8)(d)	Revisions to cost recovery tariff by March 1, 2013, with requested effective date of May 1, 2013.	Review & Comment Prior To Filing	PSE documents the date on which the CRAG was presented with filing draft documents.	03/01/13	
(8)(e)	Semi-annual Conservation Acquisition Report, comparing budget to actual kWh's and dollar activity, by August 15, 2013.	No CRAG specific role	The report is filed.	08/15/13	
(8)(f)	A report identifying its ten-year achievable potential and its biennial conservation target (Biennial Conservation Plan), including revised program details and program tariffs by November 1, 2013, requesting an effective date of January 1, 2014. In addition to the usual customer-based measures, the plan will also include both distribution and generation energy efficiency program plans as required by RCW 19.285. Prior to filing the Biennial Conservation Plan, PSE shall provide the following information to the CRAG: ten-year conservation potential and two-year target by August 1, 2013; draft program details, including budgets, by September 1, 2013; and draft program tariffs by October 1, 2013.	Be consulted on and Review & Comment Prior To Filing	PSE provides (in odd years) (1) 10-year potential and 2-yr target on 8/1; (2) draft program details and budgets on 9/1; (3) draft program tariffs on Oct 1 (31). Lastly, PSE files complete package on Nov 1.	2014-2015 BCP filed on Nov 1, 2013	
(8)(g)	2013 Annual Report on Conservation Acquisition, including an evaluation of cost-effectiveness, by Feb. 15th, 2014.		PSE files the Annual Report.		Due in 2014 
8(h)	Revisions to cost recovery tariff (Schedule 120) by March 1, 2014, with requested effective date of May 1, 2014.	Review filing, perform on-site audits	PSE documents the date on which the CRAG was presented with filing draft documents.		Due in 2014 

Section or Condition Number	Detailed Condition	CRAG Role	Condition is <u>met</u> when: <i>(As PSE has consistently demonstrated over the past few years, we will respond to requests for details not already contained in provided filings, reports or analyses on an ongoing basis.)</i>	Deliverable Provided Date	Complete?  Blank = No Date = Pending Check = Yes Hourglass = In Progress X = Non-compliant
(8)(i)	Two-year report on conservation program achievement by June 1, 2014. This filing is the one required in WAC 480-109-040(1) and RCW 19.285.070, which require that the report also be filed with the Washington Department of Commerce.	No CRAG specific role	The report is filed with UTC and Department of Commerce on June 1, 2012 and annually thereafter each June.		Due in 2014 
(9)	Required Public Involvement in Preparation for the 2014-2015 Biennium				
(9)(a)	PSE must consult with the Advisory Groups to facilitate completion of a 10-year conservation potential analysis by November 1, 2013. See RCW 19.285.040(1)(a); WAC 480-109-010(1). This must be based on a current conservation potential assessment study of PSE's service area within Washington State. This may be conducted within the context of PSE's integrated resource plan. If PSE chooses to use the supply curves that make up the conservation potential in the Council's Northwest Power Plan, the supply curves must be updated for new assumptions and measures.	Review calculations and determinants of IRP.	PSE files its 2012-2013 IRP.	Both advisory groups are engaged in 2012 IRPAG meetings.	
(9)(b)	PSE must consult with the Advisory Groups between April 1, 2013, and October 31, 2013, to identify achievable conservation potential for 2012-2021 and set annual and biennial targets for the 2014-2023 biennium, and set biennial targets for the 2014-2015 biennium, including necessary revisions to program details. See RCW 19.285.040(1)(b); WAC 480-109-010(2) and (3).	No CRAG specific role	PSE documents the date on which it provided to the CRAG its 10-year potential and 2-yr target on August 1.	IRP Appendix A provides a list of public meetings	
(9)(c)	Fuel switching program will continue to use current practice of upgrading only to high-efficiency gas measures.	No CRAG specific role	By maintaining its upgrade qualifications in all publications.	This is standard business practice. No specific target deliverable date.	

Section or Condition Number	Detailed Condition	CRAG Role	Condition is <u>met</u> when: <i>(As PSE has consistently demonstrated over the past few years, we will respond to requests for details not already contained in provided filings, reports or analyses on an ongoing basis.)</i>	Deliverable Provided Date	Complete? Blank = No Date = Pending Check = Yes Hourglass = In Progress X = Non-compliant
(10)(a)	The Commission uses the TRC, as modified by the Council, as its primary cost-effectiveness test. PSE's portfolio must pass the TRC test. In general, each program shall be designed to be cost-effective as measured by this test. PSE must demonstrate that the cost-effectiveness tests presented in support of its programs and portfolio are in compliance with the cost-effectiveness definition (RCW 80.52.030(7)) and system cost definition (RCW 80.52.030(8)) and incorporate, quantifiable non-energy benefits, the 10 percent conservation benefit and a risk adder consistent with the Council's approach. An outline of the major elements of the Council's methodology for determining achievable conservation potential, including the Total Resource Cost test, is available on the Council's website at <a href="http://www.nwcouncil.org/energy/powerplan/6/supplycurves/I937/CouncilMethodology_outline%20_2_.pdf">http://www.nwcouncil.org/energy/powerplan/6/supplycurves/I937/CouncilMethodology_outline%20_2_.pdf</a> .	No CRAG specific role	The Annual Report is filed.	Cost effectiveness tests performed as part of planning process. These tests will also be performed as a part of the 2012 & 2013 annual review. Standard business practice.	
(10)(b)	In addition to the Council-modified TRC, PSE must provide portfolio calculations of the Program Administrator Cost test (also called the Utility Cost test), Ratepayer Impact Measure test, and Participant Cost test described in the National Action Plan for Energy Efficiency's study "Understanding Cost-effectiveness of Energy Efficiency Programs." The study is available on the Web site of the United States Environmental Protection Agency at <a href="http://www.epa.gov/cleanenergy/documents/suca/cost-effectiveness.pdf">http://www.epa.gov/cleanenergy/documents/suca/cost-effectiveness.pdf</a> .	No CRAG specific role	The Annual Report is filed.	These tests were performed as a part of the 2012-2013 planning process & will be completed as a part of the final biennial conservation report.	Due in 2014 
(10)(c)	Overall conservation cost-effectiveness must be evaluated at the portfolio level. Costs included in the portfolio level analysis include conservation-related administrative costs. All cost-effectiveness calculations will assume a Net-to-Gross ratio of 1.0, consistent with the Council's methodology.	Be consulted on and determine appropriateness	PSE documents the date that the proposed inclusion of the new CE tests was provided.	12/01/12	
(11)	Recovery Through an Electric Conservation Service Rider				
(11)(a)	Annual filing — PSE's annual Electric Conservation Service Rider filing, required under Paragraph (8)(d) above, will recover the future year's budgeted expenses and any significant variances between budgeted and actual income and expenditures during the previous period.			03/01/12	
(11)(b)	Scope of Expenditures — Funds collected through the Electric Conservation Service Rider must be used on approved conservation programs and their administrative costs. Additionally, Rider funds may be used as approved by the Commission; e.g., for net metering administration costs, small-scale renewable programs and demand response pilots.				Explanation only -- No deliverable
(11)(c)	Recovery for Each Customer Class — The Company shall retain existing Rider mechanisms, subject to the Commission's Order in Docket UE-970686.	Review	1) PSE provides the CRAG its cost allocation methodology 2) Issues relative to Schedule 258 apportionments have been identified for resolution.	Ongoing business practice--no specific target deliverable date.	
(12)	Additional Commitments				

Section or Condition Number	Detailed Condition	CRAG Role	Condition is <u>met</u> when: (As PSE has consistently demonstrated over the past few years, we will respond to requests for details not already contained in provided filings, reports or analyses on an ongoing basis.)	Deliverable Provided Date	Complete?  Blank = No Date = Pending Check = Yes Hourglass = In Progress X = Non-compliant
(12)(a)	In accordance with RCW 34.05.240 and WAC 480-07-930, PSE will file a petition for a declaratory order with the Commission by July 6, 2012 concerning whether capital investments in electric power production turbines that increase the efficiency of electric power production are considered part of the requirement in RCW 19.285.040(1), which states: "Each qualifying utility shall pursue all available conservation that is cost-effective, reliable and feasible." If the Commission determines that such capital investments in electric power production turbines fall within the requirements of RCW 19.285.040(1), then PSE will analyze whether such conservation is feasible, achievable, and cost-effective prior to filing its 2014-2015 biennial conservation target.		The motion is filed.	07/06/12	
(12)(b)	PSE will review and consider the feasibility of pursuing cost-effective conservation in the form of reduction in electric power consumption resulting from increases in the efficiency of energy use at electric power production facilities it owns in whole or in part outside the boundaries of Washington State, and report back to the CRAG on the status by September 1, 2012. The term feasibility may include, but is not limited to: economic reasonableness; contractual obligations or limitations; tariff schedule limitations; legal limitations; rule limitations; cost-recovery limitations; financial limitations; practical limitations; operational limitations; transmission capacity limitations; and any other limitations or considerations that are a result or a combination of interactions between or among these noted limitations and considerations (e.g. the impact of operational limitations on legal limitations). PSE shall work with the CRAG to identify options for overcoming obstacles to the feasibility of pursuing cost-effective conservation in the form of reduction in electric power consumption resulting from increases in the efficiency of energy use at electric power production facilities that PSE owns in whole or in part outside the boundaries of Washington State, prior to filing its 2014-2015 biennial conservation target.		When the report is provided on September 1, 2012.	October 1, 2013 CRAG meeting	
L(22)	The Executing Parties agree to support the terms and conditions of this Agreement, as described above. The Executing Parties understand that this Agreement is subject to Commission approval.	No CRAG specific role			Explanation only -- No deliverable
L(23)	The Executing Parties have negotiated this Agreement as an integrated document. Accordingly, the Executing Parties agree to recommend that the Commission adopt this Agreement in its entirety.	No CRAG specific role			Explanation only -- No deliverable
L(24)	This Agreement represents a fully negotiated agreement. Each Executing Party has been afforded the opportunity, which it has exercised, to review the terms of the Agreement. Each Party has been afforded the opportunity, which it has exercised, to consult with legal counsel of its choice concerning such terms and their implications. The Agreement shall not be construed for or against any Executing Party based on the principle that ambiguities are construed against the drafter.	No CRAG specific role			Explanation only -- No deliverable
L(25)	This Agreement may be executed by the Executing Parties in several counterparts, through original and/or facsimile signature, and as executed shall constitute one agreement.	No CRAG specific role			Explanation only -- No deliverable

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# Exhibit 10

## NEEA Accomplishments

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2013



## NEEA 2013 REPORT FOR PUGET SOUND ENERGY

The Northwest Energy Efficiency Alliance (NEEA) is a non-profit organization working in collaboration with Puget Sound Energy, the Bonneville Power Administration, Energy Trust of Oregon and more than 100 public and private Northwest utilities to accelerate energy efficiency to meet the future energy needs of the Northwest. NEEA is a voluntarily funded organization with a five-year budget commitment from its funders.

With these mobilized partnerships, NEEA is able to scan the market to identify emerging energy-efficient technologies, services and practices to create the market conditions to accelerate and sustain their market adoption on behalf of 13 million energy consumers. As a regional collaborative, NEEA mitigates risk to individual utilities and public benefits administrators by identifying economies of scale, aggregating resources and sharing and synthesizing knowledge.

As a funder, Puget Sound Energy is investing close to \$25 million in NEEA's regional market transformation efforts during its 2010-2014 business plan cycle. In 2013, Puget Sound Energy invested \$5.5 million in NEEA, approximately 14 percent of NEEA's total funding. This report summarizes NEEA's 2013 value delivery to Puget Sound Energy based on its operations plan. For additional information about NEEA's unique value to the region, history, structure and recent initiatives, please visit [www.neea.org](http://www.neea.org).

## FILLING THE ENERGY EFFICIENCY 'PIPELINE' WITH PUGET SOUND ENERGY

NEEA's top focus, as prioritized by its stakeholders, is to scan the market for emerging energy-efficient technologies, services and practices. In partnership with its funders, NEEA has now identified and is investigating more than 18 different opportunities that may have broad benefits for Puget Sound Energy (PSE) and the region. These projects currently represent a 20-year savings potential to the region of more than 1700 average megawatts (aMW) through increased efficiencies in the residential, commercial and industrial/agriculture sectors, with savings locked in through codes and standards efforts.

### 2013 Emerging Technology Highlights

**UNSOLICITED PROPOSALS** – Reviewed 16 unsolicited proposals for emerging technologies in 2013 to ensure a continuous pipeline of energy saving opportunities for the region. NEEA reviews all unsolicited proposals of new technology and services and conducts rigorous testing to determine viability in the Northwest market. Once assessed, NEEA provides stringent specifications for upstream manufacturers and market actors and works with its funding partners to help generate demand of these technologies. NEEA is continuing to investigate two proposals related to 1) assessment of advanced commercial building energy and, 2) an energy reporting taxonomy for discussing energy savings devices. Through continued research and testing, NEEA will determine if these opportunities have the potential for significant energy savings for the region.

**INNOVATIVE TECHNOLOGY** – Initiated lab-testing of an innovative “combination” heat pump water heater/ductless heat pump system. NEEA leveraged its successful ductless heat pump (DHP) market transformation initiative to negotiate with a large manufacturer to develop this emerging technology, on behalf of its funders. NEEA is continuing to investigate this first-of-its-kind combination system, with findings that indicate the potential to save households in the Northwest 5,000 kWh/year and bring improved comfort and reduced energy bills for home owners.

**HEAT PUMP WATER HEATERS (HPWH)** – According to the Sixth Northwest Conservation and Electrical Power Plan<sup>1</sup>, HPWHs represent potential regional savings of 490 aMW by 2030. PSE, NEEA and other Northwest energy efficiency allies are working upstream with manufacturers on demand-generating activities and to conduct third-party performance testing of new units as they enter the market. In 2013, NEEA transitioned this project to market development, an achievement marked by four years of regional coordination to bolster manufacturer and supply chain investments, and remove barriers to product awareness. The transition to market development includes objectives around completing Savings Validation and Unit Energy Savings with the Regional Technical Forum, working upstream with manufacturers to execute promotions and supporting utilities to increase consumer awareness.

NEEA also led efforts to update the Northern Climate Specification for HPWHs, enabling manufacturers to evolve their products and ensure the technology meets the needs of homeowners in cooler, northern climates, thereby increasing performance, efficiency and energy savings. Additional 2013 highlights include:

- To ensure compliance with the Northern Climate Specification, NEEA conducted independent performance testing of manufacturer Rheem’s new Tier-1 HPWH. Rheem’s exclusive agreement with The Home Depot means a Tier-1 HPWH will be available for the first time through this large retailer, allowing for greater product awareness and availability for PSE customers.
- To support and promote the availability of a Northern Climate Specification-approved Tier-2 HPWH (a significantly more efficient specification for HPWHs), NEEA worked closely with appliance manufacturer AirGenerate to identify and mitigate a production issue that was discovered during a field test, helping the manufacturer to re-enter the market. NEEA’s rigorous quality assurance process ensures careful product testing prior to full-scale market launch, thereby reducing emerging technology development risk for PSE and other funders. To motivate supply chain and overcome cost barriers, the Smart Water Heat regional program offers Tier-2 consumer rebates, which 128 PSE customers took advantage of in 2013.
- To assess the cold climate performance of manufacturer Sanden’s CO<sub>2</sub> integrated HPWH, NEEA [conducted and published](#) results from a laboratory assessment to verify Northern Climate installation feasibility. While not currently available in the US, the testing shows that, with some adaptation, this technology innovation holds great promise for energy savings in the Northwest’s cooler climates (down to 5 degrees F).

**LUMINAIRE-LEVEL LIGHTING CONTROLS (LLLC)** – The goal of the Luminaire-Level Lighting Controls (LLLC) regional initiative is to bring clarity to the controls market by developing best practice

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<sup>1</sup> Northwest Power and Conservation Council. [Sixth Northwest Conservation and Electrical Power Plan](#). February 2010.



specifications for LLLC, aiming to have the technology adopted as standard industry practice by the commercial office lighting market. Through partnership with PSE and its energy efficiency allies, this regional initiative will test and validate LLLC technology and pave the way for local energy efficiency programs and broad market adoption.

- To confirm energy savings, NEEA [completed and published](#) a proof-of-concept test for the Enlighted brand lighting controls, the first identified product that meets LLLC criteria. The study revealed that LLLC technology with dimming ballast can deliver significant savings (30-60%) to commercial facilities at a relatively low cost. The study also identified the opportunity for improved LLLC specifications. NEEA's continued assessment of this emerging technology establishes product reliability and functionality, mitigating risk prior to a broad market release.

**SOLID-STATE STREET LIGHTS WITH CONTROLS (DISCONTINUING)** – In Q3 and Q4 of 2013, due to uncertainty around NEEA's role to transform the Solid-State Street Lights with Controls market, NEEA requested advice through its commercial advisory committee (CAC) and regional portfolio advisory committee (RPAC) to determine if it was appropriate for NEEA's portfolio. At the meetings, which included advisors from PSE, participants raised questions about the initiative's energy savings opportunities and overlapping local energy efficiency program efforts in this area. NEEA is responding by discontinuing regional efforts in this market. Advisory members did acknowledge that the learnings to date and market characterization from NEEA would be valuable to individual utilities and public benefits administrators that are already implementing Solid-State Street Lighting programs.

**COMMUNICATION AND TRAINING** – To facilitate regional collaboration and coordination on emerging technology projects, NEEA convened several webinars to collect and share information from key stakeholders, including PSE staff. In 2013, NEEA coordinated discussions on:

- Strategic Energy Management
- Super-Efficient Clothes Dryers
- Evaporative Roof Top Units
- Manufactured Homes
- Luminaire-Level Lighting Controls
- Precision Irrigation

## UPDATE ON 2015-2019 BUSINESS AND STRATEGIC PLANNING

In 2013, NEEA and its regional partners developed the building blocks for its activities for the next five years based on a generally agreed to Strategic Plan that includes two draft goals. Those two draft goals are:

1. Fill the Energy Efficiency Pipeline with new Products, Services and Practices
2. Create Market Conditions that will accelerate and sustain the market adoption of emerging energy efficiency products, services, and practices.

In that process, NEEA and its Board are in discussions regarding NEEA's pursuit of several strategic markets based on NEEA's market transformation experience, market research and regional input. Conversations are continuing at the Board level about NEEA's role in the evolving energy efficiency

landscape. Before the Board adopts the plan, it will provide an opportunity for the public to comment via ConduitNW.org and directly to NEEA staff. This feedback will be shared with the Board of Directors for consideration.

NEEA's new Market Strategy component of its business goals will target key markets that are identified as large savings potential for regional focus. These markets align closely with the 20-year savings potential identified in the Sixth Power Plan. Through early coordination on these regional strategies, NEEA's efforts may deliver increased value to the region by improved regional coordination. The final five-year budget is pending Board approval.

## ACCELERATING MARKET ADOPTION WITH PUGET SOUND ENERGY

NEEA also intervenes in markets to remove barriers to the market adoption of energy-efficient products, services and practices. In partnership with PSE and other funders, NEEA designs and executes strategic market interventions to create lasting change and deliver long-term savings to the region.

### 2013 Residential Highlights

The projected growth of electrical demand in the Northwest is 7,000 aMW between 2010 and 2030, the equivalent of powering more than six cities the size of Seattle each year. Residential electricity use accounts for significant portions of this increase. To combat this rising demand, NEEA collaborates upstream with market actors (e.g. manufacturers, retailers, and builders) in the residential sector to accelerate market adoption of energy-efficient products, services and practices.

**NORTHWEST ENERGY STAR HOMES (NWESH)** – Through the NWESH program, NEEA and PSE are working to transform the energy-efficient new construction market by building market capability through education and training. In 2013, the initiative built market capacity in PSE service territory by providing technical assistance and training to support the NWESH certification of 55 homes. The program and PSE also collaborated to develop and launch an online campaign to raise awareness and value of energy-efficient new and existing construction.

- To increase the market's capacity for transformation, NEEA and PSE provided training for approximately 100 builders, contractors and verifiers on topics including: *Green Home Trends and Appraiser Methodologies*, *How to Build ENERGY STAR on a Budget*, and *Navigating MLS Green Fields*. Training is designed to support program participation in PSE territory and encourage builder retention and recruitment in the NWESH program. A strengthened network will benefit individual utilities and public benefits administrators directly by providing increased technical knowledge and expertise to the territory.

In 2013, NEEA continued to solidify market partners and regional infrastructure, while leveraging the existing NWESH program to transition into a pilot stage for a new, advanced home specification. The new specification is designed to provide a pathway for advanced new construction practices and technologies and accelerate new code adoption.

- To ensure quality installations and provide onsite technical support to the builders of the four participating test projects in PSE territory, the NWESH program regularly met with builders of each test project to deliver metering equipment, verify installation and conduct interviews.

- To enhance expertise and knowledge sharing opportunities, NEEA and the NWESEH program convened six New Homes Work Group meetings in 2013, with representatives from PSE and other Northwest utilities. The working group covered information regarding Axis (data tracking system) utility reports, to multifamily market share and eligibility. The program also consulted with PSE on deemed savings for Performance Path and Builder Option Package expirations to validate a request by PSE's Board to provide a "whole-home" incentive for ENERGY STAR in 2014.

Test projects across PSE territory and the region aim to generate consumer and builder awareness for advanced building practices and new technologies while promoting builders who go above and beyond ENERGY STAR.

**DUCTLESS HEAT PUMPS (DHP)** – NEEA and PSE are accelerating the market adoption of DHPs in Puget Sound territory by working upstream to strengthen relationships with manufacturers and retailers and by removing barriers to adoption through increased consumer awareness and availability.

- To improve access to information and user-experience for consumers researching DHPs, NEEA and regional utility partners worked together to revamp the [GoingDuctless](#) website in 2013. Upgrades include enhanced contractor finder capabilities to better promote contractors across a diverse utility territory, and more easily show all project-oriented contractors. By improving the ease with which consumers can research product information, contractors and resources, NEEA and the region are promoting the uptake of DHP technology.
- To facilitate and accelerate the availability of DHPs in PSE territory, NEEA leveraged its existing relationships at Mitsubishi and Sears to collaborate on an in-store DHP promotion, which included the installation of DHP system displays in 32 Sears stores across the region. This is the first time Sears has entered the DHP market. The multinational retailer specifically chose the Northwest to pilot this program because of the opportunity to leverage NEEA's successful DHP market transformation in the region. Acting as a regional coordinator, NEEA engaged utilities to secure rebate messaging approval and generate participation in this Sears/Mitsubishi retail partnership, which allows for greater product awareness and availability for PSE customers.
- To accelerate consumer awareness and availability of ductless technology in the PSE territory, NEEA collaborated with The Home Depot and Mitsubishi to launch an in-store retail "optimization strategy" in the Puget Sound area in 2013. The strategy created opportunities for in-store interaction with Master Installers and enhanced product displays. Access to and awareness of Master Installers allows consumers to easily identify contractors experienced with ductless technology; NEEA recruited three new contractors to this program in 2013.

As a result of these collective efforts, 617 DHPs were installed in PSE territory in 2013 through Q3 (Q4 data pending). Over the same period, NEEA also conducted 21 site inspections in PSE territory to ensure installation quality, gather customer feedback and gauge consumer satisfaction with this technology.

## 2013 Commercial Highlights

The Sixth Power Plan estimates that energy use in the commercial sector will increase between 6,700-9,200 aMW by 2030. NEEA's commercial initiatives accelerate the adoption of energy-efficient products, practices and services within the commercial sector, and help decision-makers see energy efficiency as a bottom line and competitive opportunity. The following are highlights from NEEA's 2013 commercial initiatives:

**COMMERCIAL REAL ESTATE** – NEEA’s Commercial Real Estate initiative promotes and fosters energy-efficient building-management practices among building owners by supporting them to manage and enhance building energy performance as a measurable asset. By engaging leading commercial real estate firms to adopt Strategic Energy Management (SEM) practices, NEEA and PSE are helping make energy efficiency competitive and quantifiable for commercial properties in Puget Sound territory.

- To accelerate SEM adoption among commercial real estate industry leaders in PSE territory, NEEA continued to support Kidder Mathews through the Market Partners Program. Kidder Mathews executive management approved an intra-company engineer building competition modeled after other NEEA programs. The competition will track adjusted energy use intensity and tenant response through approximately 20 commercial and light-industrial properties. Kidder Mathews represents approximately 3.5 million square feet of real estate space, and plans to extend SEM practices throughout its portfolio, which has the potential for substantial cost-savings for Kidder Mathews and energy savings for PSE.
- To test an accelerated 12-month SEM process for commercial real estate firms, NEEA worked with JSH Properties and Stephen Grey Associates to tackle organizational time commitment barriers and scoping challenges, and to inform cost-effective deployments. This accelerated SEM process (traditionally implemented in 24 months) will support SEM deployment by other market actors in the future. Both firms are members of the Seattle 2030 District, with JSH Properties managing 10.3 million square feet in the Puget Sound area.

**EXISTING BUILDING RENEWAL (EBR)** – NEEA’s Existing Building Renewal initiative is designed to launch a market test for integrated deep energy retrofits in the existing commercial office building market. NEEA will provide implementation support for the four demonstration projects, one in each state, through the development of an initial Integrated Measure Package specific to the identified retrofit needs of each building. The initiative will also drive best practices in operations and management, and evaluate product results and acceptance. Learnings from these demonstrations can help PSE and other regional utilities develop EBR programs and support commercial buildings in implementing deep energy retrofits, with the potential to result in at least a 35 percent increase in a building’s efficiency.

**HEALTHCARE** – In 2013, NEEA began to transfer its Healthcare initiative to Northwest utilities and market partners. Since the regional market knowledge and adoption of SEM has been realized within the healthcare industry, this market is considered transformed. In the latter part of 2013, NEEA convened a utility working group, with representatives from PSE, to advise on the transfer of healthcare SEM tools and materials to utility programs.

**BUILDING OPERATOR CERTIFICATION (BOC)** – Through the Building Operator Certification Expansion initiative NEEA provides skill enhancement training to improve building energy performance in PSE territory through operation and maintenance best practices for HVAC, lighting, and controls systems. In 2013, NEEA registered 120 operators in BOC courses serving PSE territory. NEEA also conducted four BOC technical webinars serving 381 operators with continuing education in energy efficiency and two free information webcasts serving 50 PSE customers. The BOC Expansion initiative is designed to increase education and training in PSE territory, thereby fostering a more robust market, supported by technical expertise to ensure accurate installation of energy-efficient technologies.

## 2013 Industrial/Agriculture Highlights

The Northwest Power and Conservation Council’s Sixth Power Plan predicts that industrial and agricultural sectors have the potential to save the region 800 aMW by 2030 — enough to power over 600,000 Northwest homes each year. These energy savings represent an opportunity for Northwest

manufacturing industries to achieve and maintain a competitive advantage in today's global marketplace.

**INDUSTRIAL REFRIGERATION (RETA)** – Industrial refrigeration represents nearly 9 percent of the Northwest's industrial electric load. To test the strategy that certifies refrigeration operators and technicians for energy-efficient operation, NEEA and RETA debuted the Certified Refrigeration Energy Specialist (CRES) program and exam at the RETA national conference in Bellevue, Washington in November of 2013.

- To evaluate the RETA CRES program, NEEA initially conducted training pilots for industrial refrigeration operators in PSE territory. CRES training helps PSE's industrial refrigeration operators gain competitiveness while cutting costs. More than a dozen large industrial organizations, including Trident Seafoods, Darigold, Lineage/Seafreeze and PermaCold Engineering, participated in the training pilots.
- To help prepare operators for the CRES exam in November, NEEA provided three two-day review courses. The certification also requires operators to build knowledge and skills by performing and documenting no-cost and low-cost activities for energy-efficient operation. Activity documentation to date estimates CRES applicants are achieving 2-10 percent energy savings.

**SMALL/MEDIUM INDUSTRIAL (SMI) (DISCONTINUING)** – In 2013, NEEA, with input from stakeholders, discontinued the Small/Medium Industrial initiative, as it was determined that NEEA's role in SMI SEM would be more beneficial were it focused on building regional SEM capability and infrastructure. NEEA is leveraging its SMI experiences in this new role by integrating knowledge gained into industrial SEM strategy, leading the Northwest Industrial SEM Collaborative, measuring market adoption, creating market awareness and knowledge, and developing enabling tools and technologies for use by the region. Demonstration projects aimed at developing and testing approaches to build market capacity for SEM in the Northwest's small- and medium-sized industrial facilities concluded in Q4.

## 2013 Codes and Standards Highlights

On behalf of the region, NEEA works at state and national levels to influence the adoption of increasingly stringent building energy codes and federal appliance and equipment standards. Working in collaboration with its partners, NEEA gives the Northwest a voice in codes and standards processes and is frequently the only efficiency organization directly representing utilities in these forums. NEEA also conducts and shares critical research in support of codes and standards work.

Energy Codes highlights for 2013 include:

- After hearing expert testimony from a NEEA representative, the Washington Department of Labor and Industries (L&I) released a code interpretation that classifies heat pump water heaters (HPWH) as a household appliance, allowing HPWHs to qualify for permitting exemptions when replacing a "like or in kind" standard electric water heater. Previously, HPWHs were subject to additional permitting requirements not in place for standard electric water heater, which proved to be an adoption barrier. The new code interpretation will lead to a streamlined installation process and more widespread adoption of HPWHs around the region.
- With NEEA's support, staff at Washington State University continued code implementation activities throughout the last quarter of 2013. A number of jurisdiction site visits were conducted and residential training sessions continued throughout the quarter bringing the yearly total of

people trained on residential code topics to 1271. Classes provided were; 1) an energy code overview; 2) duct leakage; 3) air leakage testing; 4) ventilation and indoor air quality; and, 5) jurisdiction site visits. The most attended classes were those covering the code changes that went into effect on July 1, 2013. Energy code trainings are important to support compliance with residential and commercial energy codes around the region and ensure energy saving opportunities are realized.

- Completed residential code compliance studies in Washington with findings of 97 percent compliance. This is one of the highest (if not the highest) compliance rates in the country. Results will help PSE and other Washington utilities create more accurate savings forecasts for residential new construction and help NEEA and its partners target training and education efforts more effectively.

Standards highlights for 2013 include:

- To advance more stringent federal appliance and equipment standards in support of the region's energy efficiency goals, NEEA participated in a broad range of national standards rulemakings in 2013 including: updating the Residential Water Heater Test Procedure; a Proposed Rule for Large Electric Motor Efficiency Standards; a Proposed Rule for Residential Furnace Fans; a Final Rule for certain Alternative Energy Determination Methods (AEDMs) for rating and certifying commercial air conditioning, heating, water heating and refrigeration systems; and a Framework document to begin the rulemaking process for General Service Lamps. The energy savings from several of these rulemakings will be substantial for the region, with the potential for savings in 2014.

## DELIVERING ON REGIONAL ADVANTAGE WITH PUGET SOUND ENERGY

NEEA is the only alliance of public and private electric utilities with national and global upstream market partners that represents the entire four-state region in the Northwest. NEEA uses its unique role as a regional organization to leverage resources across the Northwest to accelerate energy efficiency. In 2013, NEEA continued conducting market research, and facilitating regional collaboration and information sharing on behalf of the region.

**MOST EFFICIENT TELEVISIONS** – NEEA teamed up with PSE and utilities across the Northwest to influence manufacturers to produce, and retailers to stock and sell the most efficient televisions available. By pooling resources, coordinating market interventions and negotiating as a region, NEEA and its partners have had a measurable and lasting impact on the television market.

In 2013, NEEA provided a total of 486 trainings, with 58 Advanced Engagement Trainings and a total of 710 store visits in PSE territory. This engagement and retailer support helped achieve 35 percent of TVs on display at participating retailers in PSE territory qualifying as most-efficient. Given that the market for most-efficient televisions is well on its way to being transformed, NEEA intends to transition out of this initiative by the end of 2014, with opportunity to support continued adoption through consumer product infrastructure.

**HEAT PUMP WATER HEATERS (HPWHs)** – Coordinated HPWH promotion with GE to sell HPWHs through all distribution channels (retailers, distributors, and contractors). GE leveraged NEEA's Smart Water Heat platform, which was developed in collaboration with the region, to work with local utilities and ensure a consistent promotional platform across the Northwest. The successful promotion, the first with a manufacturer, resulted in a 350 percent increase in HPWH sales for GE over the same period in 2012.

**EFFICIENCY EXCHANGE** – Delivered Efficiency Exchange conference in Portland, OR, May 16-18, in collaboration with Bonneville Power Administration. The event was designed to provoke discussion and exchange of ideas around utility energy efficiency programs and attracted 490 attendees from across the region – including PSE. An additional 80 individuals participated in “virtual sessions”. Virtual sessions and slides are available via [ConduitNW](#).

**CONDUITNW.ORG** – Developed in partnership with the Bonneville Power Administration, “Conduit” is an online community that facilitates information sharing, coordination and collaboration among energy efficiency stakeholders in the Northwest. Conduit allows PSE staff to share best-practices, learn about new technologies, promote events and leverage the collective knowledge of the region. Conduit currently has 67 registered users from PSE and over 2,000 members across the Northwest.

**NORTHWEST RESEARCH GROUP** – Convened the Northwest Research Group to conduct and coordinate regional market research, foster peer-review, and enable knowledge sharing. In 2013, the Northwest Research Group, made up of representatives from PSE and other Northwest utility staff, met three times, bringing together the region’s evaluators, market researchers and planners in order to promote coordination, avoid duplication of research and prioritize efforts for the region.

**CONDUCTING AND SHARING CRITICAL RESEARCH TO SUPPORT CONSERVATION PLANNING AND ENERGY EFFICIENCY PROGRAMS** – In 2013, NEEA conducted a comprehensive assessment of commercial building stock characteristics in the Northwest. The goal of the commercial building stock assessment (CBSA) is to provide regional organizations and utilities with baseline information for conservation planning, program design, and evaluation. The CBSA, scheduled for release mid-2014, will provide a robust database of commercial building energy use characteristics and support regional power planning, inform conservation targets and help identify conservation program opportunities for PSE and utilities in the Northwest.

NEEA also began the Industrial Facility Site Assessment (IFSA), the first study of its kind on the Northwest industrial sector. The IFSA will provide valuable information on industrial building energy-use characteristics to support power planning for PSE. NEEA enlisted feedback from PSE and other stakeholders to shape process and engagement and is targeting report release in 2014.

## EVALUATION AND MARKET RESEARCH

NEEA is committed to having both its current and past initiatives evaluated by objective third-party evaluators in order to continuously validate and refine its market transformation work. NEEA’s Market Research and Evaluation group issued the following third-party reports in 2013:

[Northwest Heat Pump Water Heater Market Test Assessment](#) – This report provides an assessment of the NEEA HPWH Market Test from May 2012 through April 2013. According to the report, the Market Test has promoted regional strategies, forged relationships with market actors throughout the supply chain and supported homeowner purchases of energy-efficient units. Key drivers for purchases include saving energy, lower monthly operating costs and rebate availability. Obstacles to purchase are not atypical of those associated with other new energy-efficient products, namely first cost and low awareness.

[Understanding the Importance of Energy Efficiency in the Home Purchase Process](#) – NEEA recently conducted a quantitative survey of ENERGY STAR homeowners and potential buyers. This study investigates perceptions around energy efficiency within the home purchasing process with the intention of assisting real estate and home appraisers to better assess Northwest ENERGY STAR

Homes in the region. Findings from the report indicate nearly two-thirds of homebuyers do not consider energy efficiency as a key factor contributing to their purchase decision, though it is a strong secondary driver.

[80 PLUS Market Progress Evaluation Report #5](#) – NEEA has sponsored the 80 PLUS initiative with the goal of transforming the market for energy efficient internal power supplies for commercial desktop PCs since 2004. This is the fifth Market Progress Evaluation Report (MPER) and contains three primary components: 1) a characterization of the trends, status and dynamics of the PC and laptop market; 2) an update of key assumptions related to market penetration, baselines, and costs for the program's cost effectiveness model and 3) an assessment of the market progress indicators associated with the 80 PLUS initiative.

[Variable Rate Rooftop Unit Test](#) – NEEA, the Bonneville Power Administration (BPA), New Buildings Institute (NBI), and the University of Idaho Integrated Design Laboratory (IDL) collaborated to measure the energy performance of higher-efficiency-rated products in the unitary, vapor-compression, direct-expansion (DX) package rooftop unit (RTU) class of commercial building heating, ventilation, and air-conditioning (HVAC) equipment. The project sought to use experimental data to evaluate the operational capabilities of three RTUs, first in a relatively controlled lab setting and then in a field operating setting. The primary goal of the study was to analyze a typical (or baseline federal minimum efficiency rated) RTU alongside two examples of an emerging class of advanced-performance RTUs.

[Emerging Technology Dryer Testing](#) – NEEA contracted Ecova to conduct laboratory testing of the 2013 EPA Emerging Technology Awardee for clothes dryers. The purpose was to determine if the dryer's success meeting the Emerging Technology specification would translate into success with the recent ENERGY STAR specification, and how the dryer would perform when drying heavier weight test cloths more similar to "real world" conditions. The results show that as currently configured, the clothes dryer would not result in significant energy savings unless run times were extended well beyond typical consumer expectations.

[Laboratory Assessment of Sanden GES-15QTA Heat Pump Water Heater](#) – NEEA contracted with Ecotope, Inc. and Cascade Engineering Services, Inc. to conduct a laboratory assessment of the Sanden model # GES- 15QTA HPWH for northern climate installations. The testing plan included observing heat pump efficiency at lower ambient temperatures (30° F, 50° F, and 67° F); conducting the standard 24-hour and 1-hour rating tests; measuring noise output levels; quantifying the number of efficient showers delivered at 50° F ambient; and measuring airflow across the evaporator coil under different ducting regimes. Overall, the results suggest the GES is an extremely efficient HPWH and suitable for nearly all applications in the Pacific Northwest.

[Heat Pump Water Heater Field Study Report](#) – This report focuses on the detailed metering findings on 30 homes selected to evaluate the operation of Northern Climate Specification qualified Tier-2 HPWHs. Overall, in-field metering results suggest that units installed in conditioned spaces with warmer ambient air temperatures demonstrate higher Coefficient of Performance (COP) on average. Furthermore, the field study confirms that HPWHs are an efficient technology. Incorporating this information into future planning and program design efforts will help ensure future use of the technology.

[Energy Baseline Methodologies for Industrial Facilities](#) – NEEA contracted with EnerNOC Utility Solutions to provide definition to the process for establishing and documenting energy baselines for industrial facilities. Energy baselines are foundational to a robust energy management program; however, industrial facility energy baseline methodologies are neither well known nor consistently implemented. The paper describes a straightforward six-step process suitable for use by facility staff. Using this process facilities can effectively monitor and manage their energy performance.



[Inventory of Commercial Energy Management and Information Systems for M&V Applications](#) – NEEA contracted with Portland Energy Conservation, Inc. (PECI) to help provide clarity on the range of Commercial Energy Management and Information Systems (EMIS) available and their respective feature sets. EMIS are software tools that store, analyze, and display energy use or building systems data. A wide variety of EMIS is available and have shown promise for supporting nonresidential utility energy efficiency programs. The output of this work is an EMIS inventory that details the functionality of fourteen EMIS. The overarching objective of the inventory is to document EMIS features that can support utility programs and financial transactions for energy efficiency.

[Residential Building Stock Assessment- Multi-Family Characteristics and Energy Use](#) – This report is the third and final in a series of reports summarizing the results of the Residential Building Stock Assessment (RBSA). The purpose of this report is to obtain a comprehensive view of the current state of residential multi-family stock characteristics through an understanding of the distribution of energy-consuming equipment and lighting. Information gleaned from this report can help to establish a baseline of residential building stock characteristics in the Northwest. Additionally, the results of this study will serve as a basis for planning, forecasting, and program development initiatives by various entities in the region.

[Ductless Heat Pump Impact & Process Evaluation- Billing Analysis Report](#) – This is the third technical report of the Northwest Ductless Heat Pump Pilot Project. This report presents findings from the billing analysis portion of the ductless heat pump evaluation and focuses on the overall energy use of the pilot project population, based on an analysis of the billing records of most of the pilot participants. The overall results of this analysis are in general agreement with results of the previous ductless heat pump metered study.

[2012-2013 Northwest Residential Lighting Market Tracking Study](#) – NEEA ended funding of the ENERGY STAR Consumer Products Lighting Project in early 2008. Since then, NEEA had been conducting annual Long Term Monitoring and Tracking (LTMT) studies of Compact Florescent Lights (CFLs). This fifth LTMT study provides findings from a range of research activities, including a retail shelf survey, a consumer survey and interviews with utility program managers and lighting suppliers. The study recommends more educational and promotional efforts for energy-efficient lighting in the rural area as these consumers have few (if any) large retail stores to shop for energy-efficient lamps, and are therefore less exposed to promotional materials regarding these products.

[Database of Northwest Manufacturers, Nurseries, and Wineries](#) – This report provides a summary of the database of Northwest manufacturers, nurseries, and wineries, developed for NEEA by Evergreen Economics. The report characterizes the 2011 Northwest Industrial sector (as defined for the purposes of this report) by facility location, size, energy use source and modeled energy consumption based on data from the Energy Information Administration (EIA) and additional analysis by Evergreen Economics. The database on which the report is based identifies approximately 18,000 facilities in the Northwest within the Manufacturing, Nurseries and Wineries sectors, estimated to have consumed more than 38,000 GWh of electricity and 480 million MMBTU of total energy use in 2011. \*Please note – there was an error in Table 7 in the original report. Please use the version dated 5/29/13.

[Energy Savings from NEMA Premium Electric Motors in the Northwest in 2012](#) – NEEA funded the Drive Power Initiative (DPI) between 1999 and 2004, which sought to: 1) Increase the region's overall motor fleet efficiency; 2) Influence end users' repair/replace decision making for motors to encourage use of life-cycle costing in investment decisions; and 3) Help motor service centers improve their repair practices and expand their motor management services. Since 2004, NEEA has been updating market penetration and per unit savings of National Electrical Manufacturers Association (NEMA) Premium™ motors via long term monitoring and tracking reports.

[Northwest Regional Strategy for Commercial Lighting Energy Efficiency](#) – This report identifies and summarizes key recommendations the region should take now to implement a strategic and comprehensive commercial lighting strategy in the Pacific Northwest. With recent market developments including new federal standards, rapidly changing technology, and waning potential for simple retrofits, NEEA in partnership with several of the region's lighting managers, crafted a collective vision, identified key barriers to achieving this vision and strategies to address the needs and opportunities in this changing market going forward.

[Ductless Heat Pump Impact & Process Evaluation: Field Metering Report](#) – Updated 8/12/2013: NEEA hired Ecotope, Inc., supported by Research Into Action, Inc., and Stellar Processes to evaluate the Northwest Ductless Heat Pump (DHP) Pilot Project. The pilot project ran from October 2008 to December 2009. The DHP evaluation includes a tiered analysis of five components of technical performance and market acceptance: market progress and evaluation, lab testing, field metering, billing analysis, and cost-effectiveness. This is an update to the existing field metering report of 95 sites in which NEEA conducted an additional study of six sites in NorthWestern Energy's service territory, as well as four sites for Bonneville Power Administration (BPA) in eastern Idaho.

[Consumer Electronics Television Initiative Market Progress Evaluation Report #2](#) – This report summarizes the results of the second Market Progress Evaluation Report (MPER) of the Consumer Electronics Television Initiative implemented by NEEA. This report focuses on activities conducted in 2011, and serves to evaluate the Initiative's progress towards its goals and provide recommendations to improve its performance moving forward.

[Hospital and Healthcare Initiative 2012 Energy Savings Validation](#) – The intent of NEEA's Hospital and Healthcare (H&H) initiative is to provide information and tools to assist in the development and implementation of strategic energy management plans (SEMP). SEMP is an organizational commitment to energy management that uses a comprehensive set of business tools and practices that enable hospitals to reduce energy consumption, maximize resource efficiency and lower operating costs. SBW Consulting inspected and reviewed documentation provided by NEEA, utility partners, and seven participating facilities and validated that for 2012, these facilities generated 0.552 aMW in savings.

[Commercial Real Estate Initiative 2012 Impact Analysis](#) – NEEA's Commercial Real Estate (CRE) Initiative started in 2007 and engages the Northwest's commercial office real estate market to adopt Strategic Energy Management (SEM) practices. The CRE Initiative deploys its SEM through two main channels: 1) The Market Partners Program (MPP), which works with leading real estate firms as a coaching process with the goal of making SEM a standard practice; and 2) Through office building efficiency competitions – KiloWatt Crackdown and Carbon4Square (Competitions), in which the CRE Initiative works with firms, managers, and building operators to adopt components of SEM.

[Northwest Agricultural Irrigation Market Characterization and Baseline Study](#) – This report focuses on the use of center pivot irrigation systems, as well as the use of information and decision-support systems in conjunction with these center pivot systems. Based on the findings from the primary and secondary research, baseline usage of integrated decision making tools in the region in 2032 will be between 364,000 to 1,259,000 acres, with an expected value of 755,000 acres.

[Current State of Lighting Retrofit Programs and Standard Project Practices in the Northwest Region](#) – The Comprehensive Commercial Lighting Initiative (CCLI) was a regional energy-efficient lighting retrofit pilot effort funded primarily by NEEA. This report discusses findings from a study conducted by the Hescong Mahone Group (HMG) to understand the current state of the retrofit market and to identify barriers to widespread implementation of comprehensive lighting retrofit programs throughout the region.

[Comprehensive Commercial Lighting Initiative Pilot Evaluation Report](#) – The Comprehensive Commercial Lighting Initiative (CCLI) was a regional energy-efficient lighting retrofit pilot effort funded primarily by Northwest Energy Efficiency Alliance (NEEA). This report discusses findings from the evaluation of the CCLI pilot conducted by the Hescong Mahone Group (HMG).

[Washington Residential Energy Code Compliance](#) – This report describes the compliance of residential new construction in Washington State with respect to the revised state energy code: 2009 Washington State Energy Code (WSEC). The study team assessed compliance using two different approaches: 1) Pacific Northwest National Laboratory (PNNL) Checklist Method and, 2) Significant Item Method. The Checklist Method analyzed how well the studied homes complied with each of the sixty-one code identified process and efficiency requirements, while the Significant Item Method analyzed compliance based on measures that were considered to have only the most significant impact on energy use. The completed study of residential energy code compliance in Washington demonstrates compliance rates at 96 percent and 97 percent for the Checklist and Significant Items Methods respectively. In addition, the study team assessed the energy impacts of code compliance by using a building simulation model to compare the relative energy use of "as-built" homes to the energy use of homes built to meet the prescriptive code.

[Residential Building Stock Assessment- Manufactured Homes Characteristics and Energy Use](#) – This report is the second in a series of reports summarizing the results of the Residential Building Stock Assessment (RBSA). This second report summarizes the characteristics observed onsite and energy use data for the manufactured home component of the RBSA. The scope and magnitude of this representative field study exceeds any previous studies conducted in the Northwest. The report presents interesting findings on manufactured home characteristics. Results of this study will serve as a basis for planning, forecasting, and program development initiatives by various entities in the region.  
\*Please note when printing we recommend color for better representation of the graphs.

## REGULATORY COMPLIANCE AND PARTICIPATION/STAFF INTERACTION

During the 2013 reporting period, NEEA participated in the following activities with regulatory or legislative bodies:

In collaboration with Puget Sound Energy, PacifiCorp and Avista, NEEA continued to assist with the development of a joint proposal for a consistent approach to forecasting energy savings resulting from market changes not under the direct control of utilities. The objective of the joint proposal was to seek acceptable compromises across all three companies in order to arrive at a consistent method for reporting and minimizing short-term performance risk associated with forecasting energy savings. The proposal was approved by the Washington Utilities and Transportation Commission in late 2013.

NEEA is committed to serving its regional stakeholders across diverse geographic areas and markets. To encourage stakeholder participation and solicit valuable feedback on initiative strategies, NEEA conducted quarterly Advisory Committee meetings throughout 2013

### **Puget Sound Energy Participation in NEEA Board and Advisory Committee Meetings in 2013:**

- **NEEA BOARD MEETINGS:** PSE Board Member Bob Stolarski (Director, Customer Energy Management) participated throughout the year in NEEA's 2013 Board of Directors Meetings, along with ample participation in NEEA's Strategic Planning and Business Planning work.

- **NEEA BOARD AND ADVISORY COMMITTEE MEMBERS REPRESENTING PUGET SOUND:**
  - NEEA Board of Directors: Bob Stolarski, Director, Customer Energy Management
  - NEEA Industrial Advisory Committee: Chao Chen, Supervising Industrial Energy Management Engineer
  - NEEA Residential Advisory Committee: Dennis Rominger, Market Manager
  - NEEA Emerging Technologies Advisory Committee: Rem Husted, Energy Management Engineer
  - NEEA Commercial Advisory Committee: Mark Lenssen, Supervising Engineer
  - NEEA Regional Portfolio Advisory Committee: Jeff Tripp, Manager, Residential Energy Management
  - NEEA Cost Effectiveness Advisory Committee: Eric Brateng, Senior Evaluation Analyst; Rebecca Blanton, Senior Market Analyst; Bobbi Wilhelm, Senior Evaluation Analyst
  - Northwest Research Group: Eric Brateng, Senior Evaluation Analyst; Bobbi Wilhelm, Senior Evaluation Analyst, Bob Yetter, Market Researcher, Jim Perich-Anderson, Evaluation Supervisor

NEEA is grateful for the time and energy these individuals have put into their respective committees, and the impact they have had on the region for the benefit of Northwest ratepayers.

## ADDITIONAL INFORMATION

For additional information, NEEA's [2013 Quarterly Performance Reports](#) and the [2012 Annual Report](#) are available online.

NEEA is committed to serving its regional stakeholders across diverse geographic areas and markets. We encourage stakeholder participation and appreciate input at all NEEA Board meetings, Advisory Committee meetings and energy efficiency events around the region. The next NEEA Board of Directors meeting is February 24-25, 2014, in Seattle, Washington and the general public is invited. Please contact Beth McQueston at 503-688-5433 for meeting details.

Questions or comments on this report? Please contact Lindsey Clark, Communications Coordinator, [lclark@neea.org](mailto:lclark@neea.org)