Exhibit 5

2014-2015 Prescriptive Measure Summaries

January 1, 2014

Exhibit 5: 2014-2015 Prescriptive Measure Summary

Notes

1 Program Name columns will differ between REM and BEM.
    For instance, since BEM isn't organized into Channels, that column is omitted from the BEM list.
2 Some savings source designations may be incorrect.
    Measures aren't loaded into the Measure Metrics database until the mesaure is active.
    Therefore, some measures' source of savings may have changed from 2013 to 2014 and this isn't yet reflected in the database queries.
3 Some measures may refer to Schedules that are no longer active (for instance, 257--LED Traffic Signals).
    For historical accuracy (and database design logistics), these designations remain in effect.

Exhibit 5

2014-2015 Prescriptive Measure Summary

Residential Energy Management

Channel	Program Name	Schedule	Measure Name	Savings	Unit Type	Savings Source	Measure Cost	Incentive
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Appliances: Refrigerator Replacement ~ TE, MF	755	per unit	PSE Deemed	$ 600.00	$ 600.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Appliances: Refrigerator Replacement ~ TE, MH	755	per unit	PSE Deemed	$ 600.00	$ 600.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Appliances: Refrigerator Replacement ~ TE, SF	755	per unit	PSE Deemed	$ 600.00	$ 600.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Common Area Measures: Common Area Lighting ~ TE, MF	54135	calculated	calculated	$ 16,055.00	$ 8,000.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Duct Sealing: Duct Sealing ~ TE, MH	1082	per unit	PSE Deemed	$ 500.00	$ 500.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Duct Sealing: Duct Sealing ~ TE, SF	1244	per unit	PSE Deemed	$ 500.00	$ 500.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	EnergyStar Whole House Ventilation ~ TE, MF	128	per unit	PSE Deemed	$ 50.00	$ 50.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	EnergyStar Whole House Ventilation ~ TE, MH	128	per unit	PSE Deemed	$ 50.00	$ 50.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	EnergyStar Whole House Ventilation ~ TE, SF	128	per unit	PSE Deemed	$ 50.00	$ 50.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Furnace / Heating: Ductless Heat Pump ~ TE, MH	3400	per unit	RTF UES	$ 4,130.00	$ 4,130.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Furnace / Heating: Ductless Heat Pump ~ TE, SF	3500	per unit	RTF UES	$ 3,407.00	$ 3,407.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation, Attic: R0 to R30 ~ TE, MH	0.84	square foot	PSE Deemed	$ 2.10	$ 2.10
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation, Attic: R11 to R33 ~ TE, MH	1.01	square foot	PSE Deemed	$ 1.71	$ 1.71
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation, Ceiling: Attic Insulation (R0 to R19) ~ TE, MF	1.59	square foot	RTF UES	$ 2.21	$ 2.21
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation, Ceiling: Attic Insulation (R0 to R19) ~ TE, MH	0.5	square foot	RTF UES	$ 1.10	$ 1.10
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation, Ceiling: Attic Insulation (R0 to R19) ~ TE, SF	1.38	square foot	RTF UES	$ 2.21	$ 2.21
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation, Ceiling: Attic Insulation (R0 to R38) ~ TE, MF	2.18	square foot	RTF UES	$ 2.43	$ 2.43
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation, Ceiling: Attic Insulation (R0 to R38) ~ TE, SF	1.91	square foot	RTF UES	$ 2.43	$ 2.43
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation, Ceiling: Attic Insulation (R11 to R38) ~ TE, MF	1.39	square foot	RTF UES	$ 1.95	$ 1.95
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation, Ceiling: Attic Insulation (R11 to R38) ~ TE, SF	1.22	square foot	RTF UES	$ 1.95	$ 1.95
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation, Ceiling: Attic Insulation (R19 to R38) ~ TE, MF	0.58	square foot	RTF UES	$ 1.35	$ 1.35
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation, Ceiling: Attic Insulation (R19 to R38) ~ TE, SF	0.51	square foot	PSE Deemed	$ 1.35	$ 1.35
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation: Duct Insulation (R0-R11) ~ TE, MF	4.65	linear foot	PSE Deemed	$ 6.46	$ 6.46
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation: Duct Insulation (R0-R11) ~ TE, SF	4.65	linear foot	PSE Deemed	$ 6.46	$ 6.46
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation: Floor (R0 to R22) ~ TE, MH	1.13	square foot	RTF UES	$ 2.26	$ 2.26
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation: Floor (R11 to R22) ~ TE, MH	0.59	square foot	RTF UES	$ 1.40	$ 1.40
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation: Floor Insulation (R0-R19) ~ TE, MF	1.04	square foot	RTF UES	$ 1.87	$ 1.87
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation: Floor Insulation (R0-R19) ~ TE, SF	0.99	square foot	RTF UES	$ 1.87	$ 1.87
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation: Floor Insulation (R0-R30) ~ TE, MF	1.3	square foot	PSE Deemed	$ 2.20	$ 2.20
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation: Floor Insulation (R0-R30) ~ TE, MH	1.47	square foot	PSE Deemed	$ 2.46	$ 2.46
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation: Floor Insulation (R0-R30) ~ TE, SF	1.23	square foot	PSE Deemed	$ 2.20	$ 2.20
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation: Floor Insulation (R11-R30) ~ TE, MF	0.66	square foot	RTF UES	$ 1.13	$ 1.13
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation: Floor Insulation (R11-R30) ~ TE, SF	0.61	square foot	PSE Deemed	$ 1.38	$ 1.38
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation: Wall Insulation (R0-R11) ~ TE, MF	1.3	square foot	RTF UES	$ 2.75	$ 2.75
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation: Wall Insulation (R0-R11) ~ TE, MH	1.68	square foot	RTF UES	$ 2.75	$ 2.75
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Insulation: Wall Insulation (R0-R11) ~ TE, SF	1.38	square foot	PSE Deemed	$ 2.75	$ 2.75
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Lighting: CFL Fixtures ~ TE, MF	49	per unit	RTF UES	$ 50.00	$ 50.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Lighting: CFL Fixtures ~ TE, MH	49	per unit	RTF UES	$ 50.00	$ 50.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Lighting: CFL Fixtures ~ TE, SF	49	per unit	RTF UES	$ 50.00	$ 50.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Lighting: LED Fixture ~ TE, MF	61	per unit	RTF UES	$ 60.00	$ 60.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Lighting: LED Fixture ~ TE, MH	61	per unit	RTF UES	$ 60.00	$ 60.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Lighting: LED Fixture ~ TE, SF	61	per unit	RTF UES	$ 60.00	$ 60.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Lighting: LED Lamp ~ TE, MF	34	per unit	RTF UES	$ 40.00	$ 40.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Lighting: LED Lamp ~ TE, MH	34	per unit	RTF UES	$ 40.00	$ 40.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Lighting: LED Lamp ~ TE, SF	34	per unit	RTF UES	$ 40.00	$ 40.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Lighting: Screw-In CFL ~ TE, MF	23	per unit	RTF UES	$ 5.00	$ 5.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Lighting: Screw-In CFL ~ TE, MH	23	per unit	RTF UES	$ 5.00	$ 5.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Lighting: Screw-In CFL ~ TE, SF	23	per unit	RTF UES	$ 5.00	$ 5.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Low Cost: Showerheads 2.0 GPM ~ TE, MF	139	per unit	RTF UES	$ 40.50	$ 40.50
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Low Cost: Showerheads 2.0 GPM ~ TE, MH	139	per unit	RTF UES	$ 40.50	$ 40.50
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Low Cost: Showerheads 2.0 GPM~ TE, SF	139	per unit	RTF UES	$ 40.50	$ 40.50
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Structure Sealing: Shell Sealing ~ TE, MF	0.85	square foot	PSE Deemed	$ 1.00	$ 1.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Structure Sealing: Shell Sealing ~ TE, MH	0.84	square foot	PSE Deemed	$ 1.00	$ 1.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Structure Sealing: Shell Sealing ~ TE, SF	1.7	square foot	PSE Deemed	$ 1.00	$ 1.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Thermostat: Electronic ~ TE, SF	348	per unit	RTF UES	$ 202.50	$ 202.50
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Water Heater: Electric Water Heater (.95 EF) ~ TE, MF	149	per unit	RTF UES	$ 67.00	$ 67.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Water Heater: Electric Water Heater (.95 EF) ~ TE, MH	149	per unit	RTF UES	$ 67.00	$ 67.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Water Heater: Electric Water Heater (.95 EF) ~ TE, SF	149	per unit	RTF UES	$ 67.00	$ 67.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Water Heater: Pipe Insulation ~ TE, MF	20	linear foot	RTF UES	$ 20.00	$ 20.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Water Heater: Pipe Insulation ~ TE, MH	20	linear foot	RTF UES	$ 20.00	$ 20.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Water Heater: Pipe Insulation ~ TE, SF	20	linear foot	RTF UES	$ 20.00	$ 20.00

Channel	Program Name	Schedule	Measure Name	Savings	Unit Type	Savings Source	Measure Cost	Incentive
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Windows: Windows - Double to Triple Pane ~ TE, MF	13.87	square foot	RTF UES	$ 35.00	$ 8.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Windows: Windows - Double to Triple Pane ~ TE, SF	11.54	square foot	RTF UES	$ 35.00	$ 8.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Windows: Windows - Early Double to EF Double ~ TE, MF	11.94	square foot	RTF UES	$ 32.52	$ 6.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Windows: Windows - Early Double to EF Double ~ TE, MH	12.26	square foot	RTF UES	$ 32.52	$ 10.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Windows: Windows - Early Double to EF Double ~ TE, SF	9.86	square foot	PSE Deemed	$ 32.52	$ 10.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Windows: Windows - Single to Double Pane ~ TE, MF	21.65	square foot	RTF UES	$ 32.52	$ 16.20
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Windows: Windows - Single to Double Pane ~ TE, MH	20.11	square foot	PSE Deemed	$ 32.52	$ 12.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Windows: Windows - Single to Double Pane ~ TE, SF	18.44	square foot	PSE Deemed	$ 32.52	$ 13.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Windows: Windows - Single to Triple Pane ~ TE, MF	23.58	square foot	PSE Deemed	$ 35.00	$ 18.00
Business to Business	18230611 - Low Income Weatherization (Elec)	E201	Windows: Windows - Single to Triple Pane ~ TE, SF	20.13	square foot	PSE Deemed	$ 35.00	$ 18.00
Dealer	18230625 - HomePrint (Elec)	E214	CFL bulbs -DI	23	per unit	RTF UES	$ 3.00	$ 3.00
Dealer	18230625 - HomePrint (Elec)	E214	HomePrint Assessment	0	per home	n/a	$ 115.00	$ 115.00
Dealer	18230625 - HomePrint (Elec)	E214	LED bulbs - DI	32	per unit	PSE Deemed	$ 15.00	$ 13.00
Dealer	18230625 - HomePrint (Elec)	E214	Showerhead - leave behind	260	per unit	RTF UES	$ 10.00	$ 10.00
Dealer	18230626 - SF Existing Water Heat (Elec)	E214	High Efficiency Electric Water Heater (=> .95 EF)	149	per unit	RTF UES	$ 73.00	$ 50.00
Dealer	18230626 - SF Existing Water Heat (Elec)	E214	NEEA Northern Climate Specs Heat Pump Water Heater - Tier 1	881	per home	RTF UES	$ 900.00	$ 500.00
Dealer	18230626 - SF Existing Water Heat (Elec)	E214	NEEA Northern Climate Specs Heat Pump Water Heater - Tier 2	1786	per unit	RTF UES	$ 1,369.00	$ 800.00
Dealer	18230626 - SF Existing Water Heat (Elec)	E214	New: Direct Install Showerhead	307	per unit	RTF UES	$ 31.00	$ 31.00
Dealer	18230626 - SF Existing Water Heat (Elec)	E214	Waste Water Heat Recovery 2012	373	per home	PSE Deemed	$ 537.00	$ 250.00
Dealer	18230627 - SF Existing Wx (Elec)	E214	Air Sealing CFM50 - FAF	2.04	per unit	RTF UES	$ 0.67	$ 0.67
Dealer	18230627 - SF Existing Wx (Elec)	E214	Air Sealing CFM50 - HP	0.96	per unit	RTF UES	$ 0.67	$ 0.67
Dealer	18230627 - SF Existing Wx (Elec)	E214	Air Sealing CFM50 - Zonal	1.81	per unit	RTF UES	$ 0.67	$ 0.67
Dealer	18230627 - SF Existing Wx (Elec)	E214	Attic Insulation R-0 to R-49 FAF	2.38	square foot	PSE Deemed	$ 1.08	$ 0.33
Dealer	18230627 - SF Existing Wx (Elec)	E214	Attic Insulation R-0 to R-49 HP	1.04	square foot	PSE Deemed	$ 1.08	$ 0.33
Dealer	18230627 - SF Existing Wx (Elec)	E214	Attic Insulation R-0 to R-49 Zonal	2.14	square foot	PSE Deemed	$ 1.08	$ 0.33
Dealer	18230627 - SF Existing Wx (Elec)	E214	Attic Insulation R-19 to R-49 FAF	0.75	square foot	PSE Deemed	$ 0.66	$ 0.11
Dealer	18230627 - SF Existing Wx (Elec)	E214	Attic Insulation R-19 to R-49 HP	0.32	square foot	PSE Deemed	$ 0.66	$ 0.11
Dealer	18230627 - SF Existing Wx (Elec)	E214	Attic Insulation R-19 to R-49 Zonal	0.67	square foot	PSE Deemed	$ 0.66	$ 0.11
Dealer	18230627 - SF Existing Wx (Elec)	E214	Energy Star Whole House Ventilation	128	per unit	PSE Deemed	$ 40.00	$ 40.00
Dealer	18230627 - SF Existing Wx (Elec)	E214	Energy Star Windows- Double Pane to U.30- Average	11.53	square foot	RTF UES	$ 20.61	$ 4.16
Dealer	18230627 - SF Existing Wx (Elec)	E214	Energy Star Windows- Single Pane to U.30- Average	20.84	square foot	RTF UES	$ 20.61	$ 4.16
Dealer	18230627 - SF Existing Wx (Elec)	E214	Floor Insulation R-0 to R-30 FAF	1.46	square foot	PSE Deemed	$ 1.37	$ 0.11
Dealer	18230627 - SF Existing Wx (Elec)	E214	Floor Insulation R-0 to R-30 HP	0.57	square foot	PSE Deemed	$ 1.37	$ 0.11
Dealer	18230627 - SF Existing Wx (Elec)	E214	Floor Insulation R-0 to R-30 Zonal	1.38	square foot	PSE Deemed	$ 1.37	$ 0.11
Dealer	18230627 - SF Existing Wx (Elec)	E214	Home Performance with Energy Star	0	per home	n/a	$ 600.00	$ 400.00
Dealer	18230627 - SF Existing Wx (Elec)	E214	Prescriptive Duct Sealing and Insulation - Electric	1859	per home	PSE Deemed	$ 1,000.00	$ 300.00
Dealer	18230627 - SF Existing Wx (Elec)	E214	PTCS Duct Sealing - FAF	1362	per unit	RTF UES	$ 538.00	$ 300.00
Dealer	18230627 - SF Existing Wx (Elec)	E214	PTCS Duct Sealing - HP	1049	per unit	RTF UES	$ 538.00	$ 300.00
Dealer	18230627 - SF Existing Wx (Elec)	E214	Wall Insulation R-0 to R-13 FAF	1.67	square foot	PSE Deemed	$ 0.97	$ 0.22
Dealer	18230627 - SF Existing Wx (Elec)	E214	Wall Insulation R-0 to R-13 HP	0.72	square foot	PSE Deemed	$ 0.97	$ 0.22
Dealer	18230627 - SF Existing Wx (Elec)	E214	Wall Insulation R-0 to R-13 Zonal	1.48	square foot	PSE Deemed	$ 0.97	$ 0.22
Dealer	18230628 - SF Existing Space Heat (Elec)	E214	Ductless Heat Pump	3500	per unit	RTF UES	$ 3,407.00	$ 1,200.00
Dealer	18230628 - SF Existing Space Heat (Elec)	E214	Ductless Heat Pump (Manufactured Homes)	3400	per unit	RTF UES	$ 4,130.00	$ 1,200.00
Dealer	18230628 - SF Existing Space Heat (Elec)	E214	Energy Star Geothermal Heat Pump	4037	per home	PSE Deemed	$ 3,889.00	$ 1,500.00
Dealer	18230628 - SF Existing Space Heat (Elec)	E214	Energy Star Heat Pump - Tier 1 = 8.5 HSPF, 14 SEER	408	per unit	PSE Deemed	$ 742.00	$ 200.00
Dealer	18230628 - SF Existing Space Heat (Elec)	E214	Energy Star Heat Pump - Tier 2 = 9.0 HSPF, 14 SEER	554	per unit	PSE Deemed	$ 844.00	$ 350.00
Dealer	18230628 - SF Existing Space Heat (Elec)	E214	Forced-air-furnace to Heat Pump Conversion (greater than or equal to 8.5 HSPF, 14 SEER)	5176	per home	PSE Deemed	$ 5,663.00	$ 1,500.00
Dealer	18230628 - SF Existing Space Heat (Elec)	E214	Heat Pump Sizing & Lock out Controls	1447	per home	PSE Deemed	$ 350.00	$ 300.00
Dealer	18230628 - SF Existing Space Heat (Elec)	E214	NEW Energy Star Heat Pump - Tier 3 = 10.0 HSPF, 16 SEER	939	per unit	PSE Deemed	$ 1,688.00	$ 800.00
Dealer	18230634 - SF Existing MHDS (Elec)	E214	Elec - Furnace Filter	0	per unit	n/a	$ 20.00	$ 20.00
Dealer	18230634 - SF Existing MHDS (Elec)	E214	Elec - Manufactured Home Duct Sealing- Level 1 (In Park)	600	per unit	PSE Deemed	$ 250.00	$ 250.00
Dealer	18230634 - SF Existing MHDS (Elec)	E214	Elec - Manufactured Home Duct Sealing- Level 1 (Out of Park)	600	per unit	PSE Deemed	$ 290.00	$ 290.00
Dealer	18230634 - SF Existing MHDS (Elec)	E214	Elec - Manufactured Home Duct Sealing- Level 2 (In Park)	800	per unit	PSE Deemed	$ 350.00	$ 350.00
Dealer	18230634 - SF Existing MHDS (Elec)	E214	Elec - Manufactured Home Duct Sealing- Level 2 (Out of Park)	800	per unit	PSE Deemed	$ 400.00	$ 400.00
Dealer	18230634 - SF Existing MHDS (Elec)	E214	Elec - Manufactured Home Duct Sealing- Level 3 (In Park)	1000	per unit	PSE Deemed	$ 390.00	$ 390.00
Dealer	18230634 - SF Existing MHDS (Elec)	E214	Elec - Manufactured Home Duct Sealing- Level 3 (Out of Park)	1000	per unit	PSE Deemed	$ 440.00	$ 440.00
Dealer	18230634 - SF Existing MHDS (Elec)	E214	Elec - MHDS Direct Install CFL	23	per unit	RTF UES	$ 4.90	$ 4.90
Dealer	18230634 - SF Existing MHDS (Elec)	E214	Elec - MHDS Showerhead - Direct Install #1	307	per unit	RTF UES	$ 35.00	$ 35.00
Dealer	18230634 - SF Existing MHDS (Elec)	E214	Elec - MHDS Showerhead - Direct Install #2	307	per unit	RTF UES	$ 15.00	$ 15.00
Dealer	18230634 - SF Existing MHDS (Elec)	E214	LED bulbs - DI	32	per unit	PSE Deemed	$ 17.00	$ 15.00
Dealer	18230634 - SF Existing MHDS (Elec)	E214	Mobile Home Floor Insulation R-0 to R-30****	1.47	square foot	PSE Deemed	$ 1.61	$ 1.61
Retail	18230434 - Residential Appliances (Elec)	E214	Clothes Washer MEF 2.4 -3.09 Electric WH / Electric Dryer	82	per unit	RTF UES	$ 73.00	$ 50.00
Retail	18230434 - Residential Appliances (Elec)	E214	Clothes Washer MEF 2.4 -3.09 Electric WH / Gas Dryer	31	per unit	RTF UES	$ 73.00	$ 50.00
Retail	18230434 - Residential Appliances (Elec)	E214	Clothes Washer MEF 2.4 -3.09 Gas WH / Electric Dryer	59	per unit	RTF UES	$ 73.00	$ 50.00
Retail	18230434 - Residential Appliances (Elec)	E214	Clothes Washer MEF 2.4 -3.09 Gas WH / Gas Dryer	9	per unit	RTF UES	$ 73.00	$ 50.00
Retail	18230434 - Residential Appliances (Elec)	E214	Clothes Washer MEF 3.1+ Electric WH / Electric Dryer	140	per unit	RTF UES	$ 206.00	$ 50.00
Retail	18230434 - Residential Appliances (Elec)	E214	Clothes Washer MEF 3.1+ Electric WH / Gas Dryer	51	per unit	RTF UES	$ 206.00	$ 50.00
Retail	18230434 - Residential Appliances (Elec)	E214	Clothes Washer MEF 3.1+ Gas / Electric Dryer	105	per unit	RTF UES	$ 206.00	$ 50.00
Retail	18230434 - Residential Appliances (Elec)	E214	Clothes Washer MEF 3.1+ Gas WH / Gas Dryer	16	per unit	RTF UES	$ 206.00	$ 50.00

Channel	Program Name	Schedule	Measure Name	Savings	Unit Type	Savings Source	Measure Cost	Incentive
Retail	18230434 - Residential Appliances (Elec)	E214	Clothes Washer Replacement 1.5 gpm Engagement Showerhead	103	per unit	RTF UES	$ 24.00	$ 10.00
Retail	18230434 - Residential Appliances (Elec)	E214	Clothes Washer Replacement Electric WH / Electric Dryer	932	per unit	PSE Deemed	$ 600.00	$ 600.00
Retail	18230434 - Residential Appliances (Elec)	E214	Clothes Washer Replacmenet Engagment CFL Bulb	16	per unit	RTF UES	$ 1.70	$ 1.70
Retail	18230434 - Residential Appliances (Elec)	E214	Energy Star Freezer	40	per unit	RTF UES	$ 4.00	$ 25.00
Retail	18230434 - Residential Appliances (Elec)	E214	Freezer Decomm	478	per unit	RTF UES	$ 108.50	$ 108.50
Retail	18230434 - Residential Appliances (Elec)	E214	Refrigerator CEE Tier 3	85	per unit	RTF UES	$ 81.00	$ 50.00
Retail	18230434 - Residential Appliances (Elec)	E214	Refrigerator Decomm	424	per unit	RTF UES	$ 108.50	$ 108.50
Retail	18230434 - Residential Appliances (Elec)	E214	Refrigerator Replacement	679	per unit	RTF UES	$ 535.00	$ 535.00
Retail	18230434 - Residential Appliances (Elec)	E214	Refrigerator Replacement 1.5 gpm Engagement Showerhead	103	per unit	RTF UES	$ 24.00	$ 10.00
Retail	18230434 - Residential Appliances (Elec)	E214	Refrigerator Replacmenet Engagment CFL Bulb	16	per unit	RTF UES	$ 1.70	$ 1.70
Retail	18230434 - Residential Appliances (Elec)	E214	Retail Freezer Decomm	478	per unit	RTF UES	$ 108.50	$ 108.50
Retail	18230434 - Residential Appliances (Elec)	E214	Retail Refrigerator Decomm	424	per unit	RTF UES	$ 108.50	$ 108.50
Retail	18230435 - Residential Showerheads (Elec)	E214	Showerhead Retail Combined - 1.50 gpm and less	122	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230435 - Residential Showerheads (Elec)	E214	Showerhead Retail Combined - 1.51 - 1.75 gpm	94	per unit	PSE Deemed	$ 24.00	$ 8.00
Retail	18230435 - Residential Showerheads (Elec)	E214	Showerhead Retail Combined - 1.76 - 2.0 gpm	63	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230435 - Residential Showerheads (Elec)	E214	Showerhead Retail Electric Only - 1.76 - 2.0 gpm	75	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230435 - Residential Showerheads (Elec)	E214	Showerhead Retail Electric Only Territory - 1.50 gpm and less	145	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230435 - Residential Showerheads (Elec)	E214	Showerhead Retail Electric Only Territory - 1.51 - 1.75 gpm	112	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230435 - Residential Showerheads (Elec)	E214	Showerhead Retail Electric Waterheat - 1.50 gpm and less	239	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230435 - Residential Showerheads (Elec)	E214	Showerhead Retail Electric Waterheat - 1.51 - 1.75 gpm	185	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230435 - Residential Showerheads (Elec)	E214	Showerhead Retail Electric Waterheat - 1.76 - 2.0 gpm	123	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230440 - Residential Lighting	E214	A-Lamp LED	18	per unit	RTF UES	$ 27.50	$ 6.50
Retail	18230440 - Residential Lighting	E214	Engagement Bulb	20	per unit	PSE Deemed	$ 8.00	$ 8.00
Retail	18230440 - Residential Lighting	E214	Indoor CFL Fixture	43	per unit	RTF UES	$ 25.00	$ -
Retail	18230440 - Residential Lighting	E214	Indoor LED Fixture	50	per unit	PSE Deemed	$ 50.00	$ 12.00
Retail	18230440 - Residential Lighting	E214	MR-16 LED	22	per unit	PSE Deemed	$ 15.82	$ 6.00
Retail	18230440 - Residential Lighting	E214	Occupancy Sensors	84	per unit	PSE Deemed	$ 19.97	$ 10.00
Retail	18230440 - Residential Lighting	E214	Outdoor CFL Fixture	120	per unit	RTF UES	$ 14.00	$ -
Retail	18230440 - Residential Lighting	E214	Outdoor LED Fixture	143	per unit	RTF UES	$ 50.00	$ 11.00
Retail	18230440 - Residential Lighting	E214	Reflector LED	23	per unit	PSE Deemed	$ 26.78	$ 7.50
Retail	18230440 - Residential Lighting	E214	Specialty CFL	17	per unit	RTF UES	$ 2.00	$ 2.00
Retail	18230440 - Residential Lighting	E214	Standard CFL	16	per unit	RTF UES	$ 3.00	$ 1.18
Retail	18230461 - Home Energy Reports (Elec)	E214	Home Energy Reports - Expansion - Electric Only	415	per unit	PSE Deemed	$ 6.00	$ 6.00
Retail	18230461 - Home Energy Reports (Elec)	E214	Home Energy Reports - Expansion - Electric Only Yr 2	45	per unit	PSE Deemed	$ 6.00	$ 6.00
Retail	18230461 - Home Energy Reports (Elec)	E214	Home Energy Reports - Expansion - HRU	237	per unit	PSE Deemed	$ 4.69	$ 4.69
Retail	18230461 - Home Energy Reports (Elec)	E214	Home Energy Reports - Expansion - HRU Yr 2	35	per unit	PSE Deemed	$ 4.69	$ 4.69
Retail	18230461 - Home Energy Reports (Elec)	E214	Home Energy Reports - Expansion - Rural	180	per unit	PSE Deemed	$ 4.69	$ 4.69
Retail	18230461 - Home Energy Reports (Elec)	E214	Home Energy Reports - Expansion - Rural Yr 2	35	per unit	PSE Deemed	$ 4.69	$ 4.69
Retail	18230461 - Home Energy Reports (Elec)	E214	Home Energy Reports - Legacy	380	per unit	PSE Deemed	$ 4.69	$ 4.69
Retail	18230461 - Home Energy Reports (Elec)	E214	Home Energy Reports - Legacy Yr 2	38	per unit	PSE Deemed	$ 4.69	$ 4.69
Dealer	18230612 - Fuel Conversion Rebate	E216	E2G Fuel Conv - WH Only - Storage	3500	per home	PSE Deemed	$ 2,600.00	$ 950.00
Dealer	18230612 - Fuel Conversion Rebate	E216	E2G Fuel Conv - WH Only - Tankless	3500	per home	PSE Deemed	$ 3,500.00	$ 950.00
Dealer	18230612 - Fuel Conversion Rebate	E216	Natural Gas Space Heating Only -BB	8500	per home	PSE Deemed	$ 8,700.00	$ 2,600.00
Dealer	18230612 - Fuel Conversion Rebate	E216	Natural Gas Space Heating Only -FAF	8500	per home	PSE Deemed	$ 6,700.00	$ 2,000.00
Dealer	18230612 - Fuel Conversion Rebate	E216	Natural Gas Water and Space Heating - BB	12000	per home	PSE Deemed	$ 10,800.00	$ 3,550.00
Dealer	18230612 - Fuel Conversion Rebate	E216	Natural Gas Water and Space Heating - FAF	12000	per home	PSE Deemed	$ 8,300.00	$ 2,950.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Air Tightening - Ceiling, Floor, Wall insulation to R13	1.63	square foot	PSE Deemed	$ 2.23	$ 2.23
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Attic Insulation R0 to R38	2.18	square foot	RTF UES	$ 1.06	$ 0.75
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Attic Insulation R11 to R38	1.39	square foot	RTF UES	$ 0.95	$ 0.75
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Attic Insulation R-19 to R-38 MF	0.58	square foot	RTF UES	$ 0.53	$ 0.75
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Clothes Washer MEF 2.46 or Higher (EWH/Edryer)	92	per unit	RTF UES	$ 102.00	$ 50.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Clothes Washer Replacement	932	per unit	PSE Deemed	$ 600.00	$ 600.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Common Area Lighting (Calculated)	54135	calculated	calculated	$ 16,055.00	$ 8,000.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Ductless Heat Pump	2000	calculated	calculated	$ 3,407.00	$ 1,200.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Energy Star CF Fixture - Tenant Controlled	49	per unit	RTF UES	$ 25.00	$ 15.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Energy Star CFL - Direct Install	23	per unit	RTF UES	$ 8.00	$ 8.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Energy Star LED Fixture - Tenant Controlled	61	per unit	RTF UES	$ 50.00	$ 30.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Energy Star Ventilation Fan (DC Motor)	161	per unit	PSE Deemed	$ 40.00	$ 40.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Envelope Bonus (Air Sealing, Insulation, Windows)	0	square foot	n/a	$ -	$ 1.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Floor Insulation R0 to R30	1.3	square foot	RTF UES	$ 1.59	$ 0.75
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Floor Insulation R-11 to R-30 MF	0.76	square foot	PSE Deemed	$ 1.27	$ 0.75
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Fuel Conversion - WH only	3500	per home	PSE Deemed	$ 2,196.00	$ 950.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	HRV/ERV	21168	calculated	calculated	$ 17,958.00	$ 6,351.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	LED - A-Lamp - Direct Install	32	per unit	PSE Deemed	$ 12.00	$ 12.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	LED - Candelabra - Direct Install	25	per unit	PSE Deemed	$ 12.00	$ 12.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	LED - MR-16 - Direct Install	21	per unit	PSE Deemed	$ 25.82	$ 25.82
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Parking Garage CO Sensors	10095	calculated	calculated	$ 9,376.00	$ 3,028.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Pool Heat Pump	24000	calculated	calculated	$ 11,454.00	$ 5,071.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	RCM/SEM	807100	calculated	calculated	$ 112,994.00	$112,994.00

Channel	Program Name	Schedule	Measure Name	Savings	Unit Type	Savings Source	Measure Cost	Incentive
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Refrigerator CEE Tier 3	85	per unit	RTF UES	$ 81.00	$ 50.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Refrigerator Replacement	679	per unit	PSE Deemed	$ 535.00	$ 535.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Refrigerator Replacement Year 1-10	337	per unit	PSE Deemed	$ 535.00	$ 535.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Refrigerator Replacement Year 11-20	36	per unit	PSE Deemed	$ -	$ -
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Showerhead - Max 1.5 gpm EWH - Direct Install	307	per unit	RTF UES	$ 17.30	$ 17.30
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Smart Strips	100	per unit	RTF UES	$ 25.00	$ 25.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Solar Pool Heater (Calculated)	27000	calculated	calculated	$ 12,665.00	$ 8,000.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Thermostatic Restrictor Adaptor	228	per unit	PSE Deemed	$ 30.59	$ 30.59
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Thermostatic Restrictor Showerhead	502	per unit	PSE Deemed	$ 34.56	$ 34.56
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Wall Insulation R0 to R11	1.3	square foot	RTF UES	$ 0.76	$ 0.75
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Water Heater (0.95+) - In-unit	149	per unit	RTF UES	$ 73.00	$ 50.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Water Heater Pipewrap - Direct Install	20	per unit	RTF UES	$ 4.20	$ 4.20
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Windows (double to double paned) U= 0.6 to 0.30	11.94	square foot	PSE Deemed	$ 20.61	$ 6.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Windows (double to triple paned) U= 0.6 to 0.22	13.87	square foot	PSE Deemed	$ 21.97	$ 8.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Windows (single to double paned) U= 1.2 to 0.30	21.65	square foot	PSE Deemed	$ 20.61	$ 6.00
Business to Business	18230407 - Multi-Family Retrofit (Elec)	E217	Windows (single to triple paned) U= 1.2 to 0.22	23.58	square foot	PSE Deemed	$ 21.97	$ 8.00
Business to Business	18230486 - Residential New Construction (Elec)	E218	0.5 Credits beyond IECC/WSEC 406	1200	per home		$ 360.00	$ 350.00
Business to Business	18230486 - Residential New Construction (Elec)	E218	Bi-level fixture - Egress stair landing +3 stories	203	per unit	PSE Deemed	$ 120.00	$ 120.00
Business to Business	18230486 - Residential New Construction (Elec)	E218	Corridor lighting +5% IECC/WSEC	0.289	square foot	PSE Deemed	$ 0.02	$ 0.02
Business to Business	18230486 - Residential New Construction (Elec)	E218	Electric charging station	0	calculated	calculated	$ 700.00	$ 700.00
Business to Business	18230486 - Residential New Construction (Elec)	E218	Energy Star / Tier 3 Clothes Washers - In Unit	82	per unit	RTF UES	$ 73.00	$ 60.00
Business to Business	18230486 - Residential New Construction (Elec)	E218	Energy Star CFL fixture - In Unit	49	per unit	RTF UES	$ -	$ -
Business to Business	18230486 - Residential New Construction (Elec)	E218	Energy Star Refrigerators - In Unit	44	per unit	RTF UES	$ 50.00	$ 40.00
Business to Business	18230486 - Residential New Construction (Elec)	E218	Garage exhaust	1437	per unit	PSE Deemed	$ 462.00	$ 320.00
Business to Business	18230486 - Residential New Construction (Elec)	E218	Garage lighting +5% IECC/WSEC	0.083	square foot	PSE Deemed	$ 0.01	$ 0.01
Business to Business	18230486 - Residential New Construction (Elec)	E218	LED fixture - In Unit	50	per unit	RTF UES	$ -	$ -
Business to Business	18230486 - Residential New Construction (Elec)	E218	LED lamp - In Unit	32	per unit	PSE Deemed	$ -	$ -
Business to Business	18230486 - Residential New Construction (Elec)	E218	Northwest Energy Star BOP1 Ducts Inside - Elec HP	2379	per home	RTF UES	$ 714.00	$ 700.00
Business to Business	18230486 - Residential New Construction (Elec)	E218	Northwest Energy Star BOP1 Ducts Inside - w Gas	1,044	per home	RTF UES	$ 313.00	$ 300.00
Business to Business	18230486 - Residential New Construction (Elec)	E218	Northwest Energy Star BOP1 Equipment - Elec HP	3,001	per home	RTF UES	$ 901.00	$ 900.00
Business to Business	18230486 - Residential New Construction (Elec)	E218	Northwest Energy Star BOP1 Equipment - w Gas	996	per home	RTF UES	$ 300.00	$ 300.00
Business to Business	18230486 - Residential New Construction (Elec)	E218	Showerhead 1.50 gpm max - In Unit	307	per unit	RTF UES	$ 31.00	$ 25.00
Business to Business	18230486 - Residential New Construction (Elec)	E218	Showerhead 1.75 gpm max - In Unit	222	per unit	RTF UES	$ 31.00	$ 15.00
Business to Business	18230486 - Residential New Construction (Elec)	E218	Whole Building Actual performance (149,121 kWh x 25%)	37280	calculated	calculated	$ 11,172.00	$ 11,172.00
Business to Business	18230486 - Residential New Construction (Elec)	E218	Whole Building Target EUI 35.0 kBTU/sf/yr (149,121 kWh x 75%)	111,841	calculated	calculated	$ 22,380.00	$ 22,380.00
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Common Area Measures: Combines Space and Water Heat TG. MF	1898	calculated	calculated	$ 9,000.00	$ 9,000.00
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Common Area Measures: Space Heating Boiler Replacement ~ TG, MF	734	calculated	calculated	$ 4,152.00	$ 4,152.00
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Common Area Measures: Water Heating Boiler Replacement ~ TG, MF	1100	calculated	calculated	$ 6,150.00	$ 6,150.00
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Duct Sealing: Duct Sealing ~ TG, MH	43	per unit	PSE Deemed	$ 400.00	$ 400.00
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Duct Sealing: Duct Sealing ~ TG, SF	50	per unit	PSE Deemed	$ 400.00	$ 400.00
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Furnace / Heating: Gas Furnace Replacement >90% ~ TG, MF	66	per unit	PSE Deemed	$ 600.00	$ 600.00
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Furnace / Heating: Gas Furnace Replacement >90% ~ TG, MH	89	per unit	PSE Deemed	$ 692.00	$ 692.00
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Furnace / Heating: Gas Furnace Replacement >90% ~ TG, SF	89	per unit	PSE Deemed	$ 692.00	$ 692.00
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Insulation, Attic: R0 to R30 ~ TG, MH	0.04	square foot	PSE Deemed	$ 0.70	$ 0.70
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Insulation, Ceiling: Attic Insulation (R0 to R38) ~ TG, MF	0.09	square foot	PSE Deemed	$ 0.95	$ 0.95
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Insulation, Ceiling: Attic Insulation (R0 to R38) ~ TG, SF	0.09	square foot	PSE Deemed	$ 0.95	$ 0.95
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Insulation, Ceiling: Attic Insulation (R11 to R38) ~ TG, MF	0.06	square foot	PSE Deemed	$ 0.70	$ 0.70
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Insulation, Ceiling: Attic Insulation (R11 to R38) ~ TG, SF	0.06	square foot	PSE Deemed	$ 0.70	$ 0.70
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Insulation: Duct Insulation (R0-R11) ~ TG, MF	0.2	linear foot	PSE Deemed	$ 2.50	$ 2.50
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Insulation: Duct Insulation (R0-R11) ~ TG, SF	0.2	linear foot	PSE Deemed	$ 2.50	$ 2.50
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Insulation: Floor (R0 to R22) ~ TG, MH	0.04	square foot	PSE Deemed	$ 0.70	$ 0.70
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Insulation: Floor Insulation (R0-R30) ~ TG, MF	0.06	square foot	PSE Deemed	$ 0.85	$ 0.85
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Insulation: Floor Insulation (R0-R30) ~ TG, MH	0.06	square foot	PSE Deemed	$ 0.80	$ 0.80
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Insulation: Floor Insulation (R0-R30) ~ TG, SF	0.06	square foot	PSE Deemed	$ 0.85	$ 0.85
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Insulation: Wall Insulation (R0-R11) ~ TG, MF	0.06	square foot	PSE Deemed	$ 0.85	$ 0.85
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Insulation: Wall Insulation (R0-R11) ~ TG, MH	0.08	square foot	PSE Deemed	$ 0.80	$ 0.80
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Insulation: Wall Insulation (R0-R11) ~ TG, SF	0.06	square foot	PSE Deemed	$ 0.85	$ 0.85
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Low Cost: Showerheads 2.0 GPM ~ TG, MF	6	per unit	PSE Deemed	$ 25.00	$ 25.00
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Low Cost: Showerheads 2.0 GPM ~ TG, MH	6	per unit	PSE Deemed	$ 25.00	$ 25.00
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Low Cost: Showerheads 2.0 GPM~ TG, SF	6	per unit	PSE Deemed	$ 25.00	$ 25.00
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Structure Sealing: Shell Sealing ~ TG, MH	0.04	square foot	PSE Deemed	$ 0.44	$ 0.44
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Structure Sealing: Shell Sealing ~ TG, SF	0.07	square foot	PSE Deemed	$ 0.81	$ 0.81
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Water Heater: Pipe Insulation ~ TG, MF	0.9	linear foot	PSE Deemed	$ 5.50	$ 5.50
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Water Heater: Pipe Insulation ~ TG, MH	0.9	linear foot	PSE Deemed	$ 5.50	$ 5.50
Business to Business	18230661 - Low Income Weatherization (Gas)	G201	Water Heater: Pipe Insulation ~ TG, SF	0.9	linear foot	PSE Deemed	$ 5.50	$ 5.50
Dealer	18230637 - SF Existing Wx (Gas)	G214	Air Sealing CFM50 - Gas	0.083	per unit	PSE Deemed	$ 0.67	$ 0.67
Dealer	18230637 - SF Existing Wx (Gas)	G214	Attic Insulation R-0 to R-49 - Gas	0.11	square foot	PSE Deemed	$ 1.08	$ 0.33
Dealer	18230637 - SF Existing Wx (Gas)	G214	CO Monitor	0	per home	n/a	$ 40.00	$ 40.00
Dealer	18230637 - SF Existing Wx (Gas)	G214	Energy Star Windows- Double Pane to U.30- Average	0.532	square foot	PSE Deemed	$ 20.61	$ 4.16

Channel	Program Name	Schedule	Measure Name	Savings	Unit Type	Savings Source	Measure Cost	Incentive
Dealer	18230637 - SF Existing Wx (Gas)	G214	Energy Star Windows- Single Pane to U.30- Average	0.981	square foot	PSE Deemed	$ 20.61	$ 4.16
Dealer	18230637 - SF Existing Wx (Gas)	G214	Floor Insulation R-0 to R-30 - Gas	0.066	square foot	PSE Deemed	$ 1.37	$ 0.11
Dealer	18230637 - SF Existing Wx (Gas)	G214	Home Performance with Energy Star	0	per home	PSE Deemed	$ 600.00	$ 400.00
Dealer	18230637 - SF Existing Wx (Gas)	G214	HomePrint Assessment	0	per home	PSE Deemed	$ 115.00	$ 115.00
Dealer	18230637 - SF Existing Wx (Gas)	G214	Prescriptive Duct Sealing and Insulation - Gas	75	per unit	PSE Deemed	$ 1,000.00	$ 300.00
Dealer	18230637 - SF Existing Wx (Gas)	G214	PTCS Duct Sealing -Gas	58	per home	PSE Deemed	$ 538.00	$ 300.00
Dealer	18230637 - SF Existing Wx (Gas)	G214	Showerhead - leave behind	16	per unit	PSE Deemed	$ 10.00	$ 10.00
Dealer	18230637 - SF Existing Wx (Gas)	G214	Wall Insulation R-0 to R-13 - Gas	0.084	square foot	PSE Deemed	$ 0.97	$ 0.22
Dealer	18230638 - SF Existing Space Heat (Gas)	G214	Efficient 95% Gas Furnace (Note: Raised from 90%)	110	per unit	PSE Deemed	$ 603.00	$ 250.00
Dealer	18230638 - SF Existing Space Heat (Gas)	G214	Energy Star qualified Boilers (95% AFUE)	119	per unit	PSE Deemed	$ 1,393.00	$ 350.00
Dealer	18230638 - SF Existing Space Heat (Gas)	G214	High Efficiency Natural Gas Fireplace	72	per home	PSE Deemed	$ 562.00	$ 200.00
Dealer	18230638 - SF Existing Space Heat (Gas)	G214	NEW Integrated Space & Water Heating	173	per home	PSE Deemed	$ 1,526.00	$ 800.00
Retail	18230434G - Residential Appliances (Gas)	G214	Clothes Washer MEF 2.4 -3.09 Electric WH / Gas Dryer	2	per unit	RTF UES	$ -	$ -
Retail	18230434G - Residential Appliances (Gas)	G214	Clothes Washer MEF 2.4 -3.09 Gas WH / Electric Dryer	1	per unit	RTF UES	$ -	$ -
Retail	18230434G - Residential Appliances (Gas)	G214	Clothes Washer MEF 2.4 -3.09 Gas WH / Gas Dryer	3	per unit	RTF UES	$ -	$ -
Retail	18230434G - Residential Appliances (Gas)	G214	Clothes Washer MEF 3.1+ Electric WH / Gas Dryer	3	per unit	RTF UES	$ -	$ -
Retail	18230434G - Residential Appliances (Gas)	G214	Clothes Washer MEF 3.1+ Gas / Electric Dryer	2	per unit	RTF UES	$ -	$ -
Retail	18230434G - Residential Appliances (Gas)	G214	Clothes Washer MEF 3.1+ Gas WH / Gas Dryer	5	per unit	RTF UES	$ -	$ -
Retail	18230687 - Web-Enabled Thermostats	G214	Web-Enabled Thermostat	54	per unit	PSE Deemed	$ 255.00	$ 255.00
Retail	18230700 - Residential Showerheads (Gas)	G214	1.50 gpm Showerheads - Direct Install	13	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230700 - Residential Showerheads (Gas)	G214	Showerhead Combined - 1.76 - 2.0 gpm	3	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230700 - Residential Showerheads (Gas)	G214	Showerhead Retail Combined - 1.50 gpm and less	5	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230700 - Residential Showerheads (Gas)	G214	Showerhead Retail Combined - 1.51 - 1.75 gpm	4	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230700 - Residential Showerheads (Gas)	G214	Showerhead Retail Gas Waterheat - 1.50 gpm and less	10	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230700 - Residential Showerheads (Gas)	G214	Showerhead Retail Gas Waterheat - 1.51 - 1.75 gpm	8	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230700 - Residential Showerheads (Gas)	G214	Showerhead Retail Gas Waterheat - 1.76 - 2.0 gpm	5	per unit	PSE Deemed	$ 24.00	$ 10.00
Retail	18230738 - Home Energy Reports (Gas)	G214	Home Energy Reports - Expansion - HRU	11	per unit	PSE Deemed	$ 1.31	$ 1.31
Retail	18230738 - Home Energy Reports (Gas)	G214	Home Energy Reports - Expansion - HRU Yr 2	0	per unit	PSE Deemed	$ 1.31	$ 1.31
Retail	18230738 - Home Energy Reports (Gas)	G214	Home Energy Reports - Expansion - Rural	11	per unit	PSE Deemed	$ 1.31	$ 1.31
Retail	18230738 - Home Energy Reports (Gas)	G214	Home Energy Reports - Expansion - Rural Yr 2	0	per unit	PSE Deemed	$ 1.31	$ 1.31
Retail	18230738 - Home Energy Reports (Gas)	G214	Home Energy Reports - Legacy	11	per unit	PSE Deemed	$ 1.31	$ 1.31
Retail	18230738 - Home Energy Reports (Gas)	G214	Home Energy Reports - Legacy Yr 2	0	per unit	PSE Deemed	$ 1.31	$ 1.31
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Attic Insulation R0 to R38	0.09	square foot	PSE Deemed	$ 1.06	$ 0.75
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Attic Insulation R-11 to R-38 MF	0.06	square foot	PSE Deemed	$ 0.95	$ 0.75
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Boiler (.95 AFUE)	89.25	per unit	PSE Deemed	$ 1,393.00	$ 350.00
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Boiler (Domestic Water) Replacement (Calculated)	1100	calculated	calculated	$ 11,560.00	$ 5,500.00
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Boiler (Space Heating) Replacement (Calculated)	734	calculated	calculated	$ 6,000.00	$ 3,670.00
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Floor Insulation R-0 to R-30 MF	0.05	square foot	PSE Deemed	$ 1.59	$ 0.50
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Furnace (.95 AFUE)	82.5	per unit	PSE Deemed	$ 603.00	$ 250.00
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	High Efficiency Natural Gas Fireplace	72	per home	PSE Deemed	$ 562.00	$ 200.00
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Integrated Space & Water Heating Boiler	129.75	per unit	PSE Deemed	$ 1,526.00	$ 800.00
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	RCM/SEM	20300	calculated	calculated	$ 10,000.00	$ 10,000.00
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Showerhead - Max 1.5 gpm GWH - Direct Install	13	per unit	PSE Deemed	$ 17.30	$ 17.30
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Thermostatic Restrictor Adaptor	10	per unit	PSE Deemed	$ 30.59	$ 30.59
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Thermostatic Restrictor Showerhead	21.6	per unit	PSE Deemed	$ 34.56	$ 34.56
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Wall Insulation R-0 to R-11 MF	0.05	square foot	PSE Deemed	$ 0.76	$ 0.50
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Windows (double to double paned) U= 0.6 to 0.30	0.48	square foot	PSE Deemed	$ 20.61	$ 6.00
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Windows (double to triple paned) U= 0.6 to 0.22	0.56	square foot	PSE Deemed	$ 21.97	$ 8.00
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Windows (single to double paned) U= 1.2 to 0.30	0.88	square foot	PSE Deemed	$ 20.61	$ 6.00
Business to Business	18230736 - Multi-Family Retrofit (Gas)	G217	Windows (single to triple paned) U= 1.2 to 0.22	0.96	square foot	PSE Deemed	$ 21.97	$ 8.00
Business to Business	18230673 - Residential New Construction (Gas)	G218	0.5 Credits beyond IECC/WSEC 406	41	calculated	PSE Deemed	$ 210.00	$ 200.00
Business to Business	18230673 - Residential New Construction (Gas)	G218	1.50 gpm max showerhead	13	per unit	PSE Deemed	$ 31.00	$ 25.00
Business to Business	18230673 - Residential New Construction (Gas)	G218	1.75 gpm max showerhead	9	per unit	PSE Deemed	$ 31.00	$ 15.00
Business to Business	18230673 - Residential New Construction (Gas)	G218	Condensing Boiler - DHW	15	per unit	PSE Deemed	$ 3.88	$ 3.75
Business to Business	18230673 - Residential New Construction (Gas)	G218	Condensing Boiler - Space Heat	3	per unit	PSE Deemed	$ 5.00	$ 4.75
Business to Business	18230673 - Residential New Construction (Gas)	G218	Condensing Water Heater - DHW	15	per unit	PSE Deemed	$ 1.84	$ 1.75
Business to Business	18230673 - Residential New Construction (Gas)	G218	Solar Thermal	24	per unit	PSE Deemed	$ 2.70	$ 2.50
Business to Business	18230673 - Residential New Construction (Gas)	G218	Whole Building Target EUI 35.0 kBTU/sf/yr (5,088 therms x 25%)	1272	calculated	calculated	$ 135.00	$ 100.00
Business to Business	18230673 - Residential New Construction (Gas)	G218	Whole Home Target EUI 26.2 kBTU/sf/yr or HERS score	66	calculated	calculated	$ 300.00	$ 300.00

Exhibit 5

2014-2015 Prescriptive Measure Summary

Business Energy Management

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	ThermSavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial	New only	E251	CI New Construction	New Building Commissioning	Commissioning of energy related systems and verification of compliance. See SoS for savings calculation tool.	Electric	0	0	multiple variables		$0.00		Calculated
Commercial or Industrial	Existing or New	E262	Cooking Equipment	Oven, Electric	Existing electric convection oven	Electric	2262		Per unit	12	$500.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Cooking Equipment	Oven, Electric	Existing electric combination oven	Electric	18432		Per unit	12	$2,000.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Cooking Equipment	Hot Food Holding Cabinet	7 to <12 cubic feet (1/2 size)	Electric	876	0	Per unit	12	$200.00	Each	RTF Deemed
Commercial or Industrial	Existing or New	E262	Cooking Equipment	Hot Food Holding Cabinet	12 to 20 cubic feet (3/4 size)	Electric	1314	0	Per unit	12	$300.00	Each	RTF Deemed
Commercial or Industrial	Existing or New	E262	Cooking Equipment	Hot Food Holding Cabinet	> 20 cubic feet (full size)	Electric	1752	0	Per unit	12	$400.00	Each	RTF Deemed
Commercial or Industrial	Existing or New	E262	Aerator	Restaurant or other commercial	0.5 gpm aerators, annual savings	Electric	2423	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	HVAC	High Efficiency Commercial Heat Pump	Per ton	Electric			Per ton		$30.00	Per ton	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	High Efficiency Commercial Air Conditioners	Per ton	Electric			Per ton		$30.00	Per ton	Calculated
Commercial or Industrial	Existing or New	E262	Cooking Equipment	Fryer, Energy Star	Any qualified model or configuration	Electric	1024		Per unit	8	$250.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Clothes Washers	High-Efficiency commercial clothes washer	Energy Star Qualified, PSE electric WH/PSE gas dryer using PSE electric	Electric	430		Per unit	14	$75.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Clothes Washers	High-Efficiency commercial clothes washer	Energy Star Qualified, PSE electric WH/PSE elect dryer	Electric	750	0	Per unit	8	$75.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Clothes Washers	High-Efficiency commercial clothes washer	Energy Star Qualified, PSE gas for WH/PSE elect for dryer	Electric	320		Per unit	8	$75.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Heat Pumps	Terminal, Hospitality	High Efficiency, PTAC to PTHP	Electric	0		Per ton	15	$150.00	Each	Calculated
Commercial or Industrial	Existing or New	E262	Heat Pumps	Terminal, Hospitality	High Efficiency, PTHP to PTHP	Electric	0		Per ton	15	$150.00	Each	Calculated
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	1.6 gpm xn if head not prev supplied	Electric	8742		Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	1.6 gpm xn if 2.2 gpm prev xn'd	Electric	2898		Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	1.6 gpm xn if 2.6 gpm prev xn'd	Electric	5844		Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	1.0 gpm xn if 2.6 gpm prev xn'd	Electric	6984		Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	1.0 gpm xn if 2.2 gpm prev xn'd	Electric	4038		Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	0.6 gpm xn if 1.6 gpm prev xn'd	Electric	2613		Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	0.6 gpm xn if 2.2 gpm prev xn'd	Electric	5511		Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	0.6 gpm xn if 2.6 gpm prev xn'd	Electric	8457		Per unit	5	$0.00	No charge to customer	PSE Deemed

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	0.6 gpm xn if head not prev supplied	Electric	11355		Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	1.0 gpm xn if 1.6 gpm prev xn'd	Electric	1140		Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	1.0 gpm xn if head not prev supplied	Electric	9882		Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	Sprayvalue not previously insatlled by PSE to 0.65	Electric	1338	0	Each	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	2.6 gpm to 0.65 gpm	Electric	2356	0	Each	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	2.2 gpm to 0.65 gpm	Electric	1478	0	Each	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Spray Heads	Pre-Rinse Electric	1.6 gpm to 0.65 gpm	Electric	739	0	Each	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Fast Food Restaurants, All Electric. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Fast Food Restaurant, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Fast Food Restaurant, Heat Pump. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Office. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Office, All Electric. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Office, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Office, Heat Pump. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Restaurant, All Electric. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Restaurant, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Restaurant, Heat Pump. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Retail, All Electric. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Retail, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Retail, Heat Pump. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	School, All Electric. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	School, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	School, Heat Pump. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Various building types, size, tier, economizer and t-stat presence. Check business calculator tool at indicated link for per-unit savings, costs and incentive amount..	Electric	0	0	multiple variables	15	$0.00	Per ton	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	HVAC Retrofit	Various building types, size, tier, economizer and t-stat presence. Check business calculator tool at indicated link for per-unit savings, costs and intcentive amount.	Electric		1	multiple variables	15	$0.00	Per ton	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Office, all electric, per ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Office, all electric, per ton, > 20 ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Office, gas pack, per ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Office, gas pack, per ton, > 20 ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Office, heat pump, per ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Office, heat pump, per ton, > 20 ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Retail, all electric, per ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Retail, all electric, per ton, > 20 ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Retail, gas pack, per ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Retail, gas pack, per ton, >20 ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Retail, heat pump, per ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Retail, heat pump, per ton, > 20 ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Specialty retail, all electric, per ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Specialty retail, all electric, per ton, > 20 ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Specialty retail, gas pack, per ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Specialty retail, gas pack, per ton, >20 ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Specialty retail, heat pump, per ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Specialty retail, heat pump, per ton, >20 ton. Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	HVAC	Premium HVAC Service	Various configurations, savings values & measure costs -- calculated measure	Electric	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	E262	Cooking Equipment	Ice Makers	Less than or equal to 500 pounds of ice per day	Electric		0		12	$100.00		Calculated
Commercial or Industrial	Existing or New	E262	Cooking Equipment	Ice Makers	Greater than or equal to 500 pounds of ice per day	Electric		0		12	$300.00		Calculated
Commercial or Industrial	Existing or New	E262	Signs	LED Exit	Retrofit incandescent or CFL to LED--Retrofit applications only (considered standard for new construction)	Electric	TBD	0	Per unit	12	$25.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Under Counter, PSE provides electricity	High Temperature, gas WH, elec booster	Electric	2680	0	Per unit	10	$150.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Under Counter, PSE provides electricity	High Temperature, elec WH, gas booster	Electric	4689	0	Per unit	10	$350.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Under Counter, PSE provides electricity	High Temperature, elect WH, elec booster	Electric	7369	0	Per unit	10	$500.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Under Counter, PSE provides electricity	Low Temperature, elec WH	Electric	1196	0	Per unit	10	$250.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Door Type, PSE provides electricity	High Temperature, gas WH, elec booster	Electric	5197		Per unit	15	$350.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Door Type, PSE provides electricity	High Temperature, elec WH, gas booster	Electric	8948	0	Per unit	15	$650.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Door Type, PSE provides electricity	High Temperature, elec WH, elec booster	Electric	13950	0	Per unit	15	$1,000.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Door Type, PSE provides electricity	Low Temperature, elec WH	Electric	11969	0	Per unit	15	$1,000.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Single Tank Conveyor, PSE provides electricity	High Temperature, gas WH, elec booster	Electric	7998		Per unit	20	$500.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Single Tank Conveyor, PSE provides electricity	High Temperature, elect WH, gas booster	Electric	12701	0	Per unit	20	$1,000.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Single Tank Conveyor, PSE provides electricity	High Temperature, elec WH, elec booster	Electric	18972	0	Per unit	20	$1,500.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Single Tank Conveyor, PSE provides electricity	Low Temperature, elect WH	Electric	11228	0	Per unit	20	$1,000.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Multi Tank Conveyor, PSE provides electricity	High Temperature, gas WH, elec booster	Electric	12249		Per unit	20	$500.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Multi Tank Conveyor, PSE provides electricity	High Temperature, elec WH, elec booster	Electric	33685	0	Per unit	20	$2,000.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Multi Tank Conveyor, PSE provides electricity	Low Temperature, elec WH	Electric	17225	0	Per unit	20	$1,500.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Dishwashers	Multi Tank Conveyor, PSE provides electricity	High Temperature, elec WH, gas booster	Electric	21436	0	Per unit	20	$1,500.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Cooking Equipment	Steamer, Connectionless	6 pan	Electric	16046	0	Per unit	10	$750.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Cooking Equipment	Steamer, Connectionless	5 pan	Electric	13371	0	Per unit	10	$750.00	Each	PSE Deemed

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	E262	Cooking Equipment	Steamer, Connectionless	4 pan	Electric	10697	0	Per unit	10	$750.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Cooking Equipment	Steamer, Connectionless	3 pan	Electric	8023	0	Per unit	10	$750.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Aerator	non-hospitality	Installed in conjunction with a sprayhead	Electric	712	0	Each	10	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Aerator	non-hospitality	Installed without a sprayhead	Electric	712	0	Each	10	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Ceramic Metal Halide	Ceramic Metal Halide 22-28 watts	Electric	172	0	Per unit	5	$25.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Aerator	Hospitality	0.5 gpm aerators, annual savings	Electric	124	0	Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Aerator	Hospitality	Installed in conjunction with a sprayhead	Electric	144	0	Each	10	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Aerator	Hospitality	Installed without a sprayhead	Electric	144	0	Each	10	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Device Controllers and Sensors	PC Power Manager	Software; networked or local; installed on enterprise servers	Electric	115		Per unit	4	$8.00	Each	RTF Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Retail	Electric	147	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Grocery	Electric	227	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Office	Electric	119	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Restaurant	Electric	187	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Warehouse	Electric	153	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Hospital	Electric	246	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Hotel/Motel Common Areas	Electric	322	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Hotel/Motel rooms	Electric	64	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Other Health	Electric	177	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Other	Electric	169	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: School (K-12)	Electric	105	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: University	Electric	248	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Retail	Electric	118	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Grocery	Electric	183	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Office	Electric	96	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Restaurant	Electric	151	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Warehouse	Electric	123	0	Per unit	5	$20.00	Each	PSE Deemed

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Hospital	Electric	198	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Hotel/Motel Common Areas	Electric	259	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Hotel/Motel rooms	Electric	51	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Other Health	Electric	142	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Other	Electric	136	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: School (K-12)	Electric	84	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: University	Electric	199	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Retail	Electric	104	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Grocery	Electric	161	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Office	Electric	84	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Restaurant	Electric	133	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Warehouse	Electric	108	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Hospital	Electric	174	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Hotel/Motel Common Areas	Electric	228	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Hotel/Motel rooms	Electric	45	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Other Health	Electric	126	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Other	Electric	120	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: School (K-12)	Electric	74	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: University	Electric	176	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Retail	Electric	113	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Grocery	Electric	175	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Office	Electric	91	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Restaurant	Electric	144	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Warehouse	Electric	117	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Hospital	Electric	188	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Hotel/Motel common areas	Electric	247	0	Per unit	5	$20.00	Each	PSE Deemed

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Hotel/Motel rooms	Electric	49	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Other Health	Electric	136	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Other	Electric	130	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: School (K-12)	Electric	80	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: University	Electric	190	0	Per unit	5	$20.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Retail	Electric	146	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Grocery	Electric	226	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Office	Electric	118	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Restaurant	Electric	186	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Warehouse	Electric	152	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Hospital	Electric	244	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Hotel/Motel Common Areas	Electric	320	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Hotel/Motel rooms	Electric	63	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Other Health	Electric	176	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Other	Electric	168	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: School (K-12)	Electric	104	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: University	Electric	246	0	Per unit	5	$10.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Retail	Electric	90	0	Per unit	3	$5.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Grocery	Electric	139	0	Per unit	3	$5.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Office	Electric	72	0	Per unit	3	$5.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Restaurant	Electric	114	0	Per unit	3	$5.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Warehouse	Electric	93	0	Per unit	3	$5.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Hospital	Electric	150	0	Per unit	3	$5.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Hotel/Motel Common Areas	Electric	196	0	Per unit	3	$5.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Hotel/Motel rooms	Electric	39	0	Per unit	3	$5.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Other Health	Electric	108	0	Per unit	3	$5.00	Each	PSE Deemed

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Other	Electric	103	0	Per unit	3	$5.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: School (K-12)	Electric	64	0	Per unit	3	$5.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: University	Electric	151	0	Per unit	3	$5.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	T8 Lamps	Low wattage, Less than or equal to 25 Watts	Electric	26	0	Per unit	6	$1.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	T8 Lamps	Low wattage, 26 to 28 Watts	Electric	15	0	Per unit	6	$1.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Systems	Comprehensive Projects - Tier 2	Comprehensive projects, encompasing indoor and outdoor fixtures and lamps, whole systems	Electric	0	0	calculated	0	$0.20 - $0.30	Per kWh	Calculated
Commercial or Industrial	Existing or New	E262	Device Controllers and Sensors	CoolerMisers	Refrigerator beverage cooler controller	Electric	1160	0	Per unit	15	No charge to customer for directly installed units	No charge to customer	RTF Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	LED Fixtures	Hard Wired Recessed Can Retrofit Kits: Retail	Electric	113	0	Each	12	$25.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	LED Fixtures	Hard Wired Recessed Can Retrofit Kits: Grocery	Electric	175	0	Each	12	$25.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	LED Fixtures	Hard Wired Recessed Can Retrofit Kits: Office	Electric	91	0	Each	12	$25.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	LED Fixtures	Hard Wired Recessed Can Retrofit Kits: Restaurant	Electric	144	0	Each	12	$25.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	LED Fixtures	Hard Wired Recessed Can Retrofit Kits: Warehouse	Electric	117	0	Each	12	$25.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	LED Fixtures	Hard Wired Recessed Can Retrofit Kits: Hospital	Electric	188	0	Each	12	$25.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	LED Fixtures	Hard Wired Recessed Can Retrofit Kits: Hotel/Motel Common Areas	Electric	247	0	Each	12	$25.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	LED Fixtures	Hard Wired Recessed Can Retrofit Kits: Hotel/Motel rooms	Electric	49	0	Each	12	$25.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	LED Fixtures	Hard Wired Recessed Can Retrofit Kits: Other Health	Electric	136	0	Each	12	$25.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	LED Fixtures	Hard Wired Recessed Can Retrofit Kits: Other	Electric	130	0	Each	12	$25.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	LED Fixtures	Hard Wired Recessed Can Retrofit Kits: School (K-12)	Electric	80	0	Each	12	$25.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	LED Fixtures	Hard Wired Recessed Can Retrofit Kits: University	Electric	190	0	Each	12	$25.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Device Controllers and Sensors	HVAC	Occupancy Sensor Hospitality, Limited Service	Electric	250		Per unit	10	$75.00	Each	Calculated
Commercial or Industrial	Existing or New	E262	Device Controllers and Sensors	HVAC	Occupancy Sensor Hospitality, Full Service	Electric	500		Per unit	10	$75.00	Each	Calculated
Commercial or Industrial	Existing or New	E262	Device Controllers and Sensors	Lighting	Occupancy Sensors and timers	Electric		0	Multiple variables		$45.00	Each	Calculated
Commercial or Industrial	Existing or New	E262	Device Controllers and Sensors	Lighting	Hospitality Restrooms	Electric	0		Per unit	10	$10.00	Each	Calculated

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	E262	Aerator	Aerators (Electric)	Non-hospitality Aerator Installation (Electric)	Electric	2423			5			PSE Deemed
Commercial or Industrial	Existing or New	E262	Aerator	Aerators (Electric)	Hospitality Aerator Installation (Electric	Electric	124			5			PSE Deemed
Commercial or Industrial	Existing or New	E262	Signs	LED Exit	New Exit Sign	Electric	230	0		10	No cost to the customer		PSE Deemed
Commercial or Industrial	Existing or New	E262	Signs	LED Exit	Retrofit Exit Sign	Electric	230	0		10	No cost to the customer		PSE Deemed
Commercial or Industrial	Existing or New	E262	Device Controllers and Sensors	Lighting	Occupancy Sensors controlling indoor lighting	Electric		0		10	$0.00	No charge to customer	Calculated
Commercial or Industrial	Existing or New	E262	Device Controllers and Sensors	Lighting	Photo-Electric Controls	Electric	0	0		10		No charge to customer	Calculated
Commercial or Industrial	Existing or New	E262	Showerheads	Reduced- Flow Showerhead Electrically- heated DHW	Reduced- Flow Showerhead - Electrically- heated DHW	Electric		0		10		No charge to customer	RTF Deemed
Commercial or Industrial	Existing or New	E262	Signs	LED Open Sign	LED Open Sign replacing Neon	Electric	125	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F28T8 .78 Ballast Factor- 1 Lamp fixture	Electric	99	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F28T8 .78 Ballast Factor- 2 Lamp fixture	Electric	181	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F28T8 .78 Ballast Factor- 3 Lamp fixture	Electric	279	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F28T8 .78 Ballast Factor- 4 Lamp fixture	Electric	366	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	F34T12 to F28T8 .78 Ballast Factor- 1 Lamp fixture	Electric	86	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	F34T12 to F28T8 .78 Ballast Factor- 2 Lamp fixture	Electric	115	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	F34T12 to F28T8 .78 Ballast Factor- 3 Lamp fixture	Electric	201	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	F34T12 to F28T8 .78 Ballast Factor- 4 Lamp fixture	Electric	234	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	F96T12 to F28T8 .78 Ballast Factor- 1 Lamp fixture	Electric	123	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	F96T12HO to F28T8 .88 Ballast Factor- 1 Lamp fixture	Electric	304	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	2 lamp Incandescent (80W) to 2' T8 in Restroom	Electric	209	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	3 lamp Incandescent (120W) to 2' T8 in Restroom	Electric	370	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	4 lamp Incandescent (160W) to 3' T8 in Restroom	Electric	477	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	6 lamp Incandescent (240W) to 4' T8 in Restroom	Electric	805	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	F96T12 to F28T8 .78 Ballast Factor- 4 Lamp fixture	Electric	148	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	T8 Fluorescent	F96T12HO to F28T8 .88 Ballast Factor- 4 Lamp fixture	Electric	444	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Insulation	Water Heater	Water heater Insulation	Electric	539	0		7	$0.00	No charge to customer	PSE Deemed

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	E262	Lamps	CFL	<26 Watt CFL	Electric	155	0		3	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	CFL	< 26 Watt reflector	Electric	155	0		3	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	CFL	< 26 Watt specialty lamp- globe	Electric	155	0		3		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	Linear Fluorescent Retrofit Delamp	3 Lamp F40T12 to 2 Lamp F28T8 .78 Ballast Factor	Electric	370	0		12	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	Linear Fluorescent Retrofit Delamp	3 Lamp F40T12ES to 2 Lamp F28T8 .78 Ballast Factor	Electric	292	0		12	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	Linear Fluorescent Retrofit Delamp	4 Lamp F40T12 to 3 Lamp F28T8 .78 Ballast Factor	Electric	452	0		12	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	Linear Fluorescent Retrofit Delamp	4 Lamp F40T12ES to 3 Lamp F28T8 .78 Ballast Factor	Electric	320	0		12	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	Linear Fluorescent Retrofit Delamp	4 Lamp F40T12 to 2 Lamp F28T8 .78 Ballast Factor	Electric	542	0		12	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	Linear Fluorescent Retrofit Delamp	4 Lamp F40T12ES to 2 Lamp F28T8 .78 Ballast Factor	Electric	411	0		12	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	Linear Fluorescent Retrofit Delamp	2 Lamp F96T12 to 2 Lamp F28T8 .78 Ballast Factor	Electric	325	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	Bi-level	F40T12 to Bi-level Lighting	Electric	557	0		11	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	Bi-level	F40T12ES To Bi-level Lighting	Electric	417	0		11		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	Bi-level	F32T8 to Bi-Level Lighting	Electric	277	0		11		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Retail	Electric	147	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Grocery	Electric	227	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Office	Electric	119	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Restaurant	Electric	187	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Warehouse	Electric	153	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Hospital	Electric	246	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Hotel/Motel Common Areas	Electric	322	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Hotel/Motel rooms	Electric	64	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Other Health	Electric	177	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: Other	Electric	169	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: School (K-12)	Electric	105	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	MR 16: University	Electric	248	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Retail	Electric	118	0	Per unit	5	$0.00	Each	PSE Deemed

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Grocery	Electric	183	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Office	Electric	96	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Restaurant	Electric	151	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Warehouse	Electric	123	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Hospital	Electric	198	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Hotel/Motel Common Areas	Electric	259	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Hotel/Motel rooms	Electric	51	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Other Health	Electric	142	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: Other	Electric	136	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: School (K-12)	Electric	84	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 20: University	Electric	199	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Retail	Electric	104	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Grocery	Electric	161	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Office	Electric	84	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Restaurant	Electric	133	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Warehouse	Electric	108	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Hospital	Electric	174	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Hotel/Motel Common Areas	Electric	228	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Hotel/Motel rooms	Electric	45	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Other Health	Electric	126	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: Other	Electric	120	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: School (K-12)	Electric	74	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 30: University	Electric	176	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Retail	Electric	113	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Grocery	Electric	175	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Office	Electric	91	0	Per unit	5	$0.00	Each	PSE Deemed

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Restaurant	Electric	144	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Warehouse	Electric	117	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Hospital	Electric	188	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Hotel/Motel common areas	Electric	247	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Hotel/Motel rooms	Electric	49	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Other Health	Electric	136	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: Other	Electric	130	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: School (K-12)	Electric	80	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	PAR 38 & 40: University	Electric	190	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Retail	Electric	146	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Grocery	Electric	226	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Office	Electric	118	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Restaurant	Electric	186	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Warehouse	Electric	152	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Hospital	Electric	244	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Hotel/Motel Common Areas	Electric	320	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Hotel/Motel rooms	Electric	63	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Other Health	Electric	176	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: Other	Electric	168	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: School (K-12)	Electric	104	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Omnidirectional: University	Electric	246	0	Per unit	5	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Retail	Electric	90	0	Per unit	3	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Grocery	Electric	139	0	Per unit	3	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Office	Electric	72	0	Per unit	3	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Restaurant	Electric	114	0	Per unit	3	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Warehouse	Electric	93	0	Per unit	3	$0.00	Each	PSE Deemed

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Hospital	Electric	150	0	Per unit	3	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Hotel/Motel Common Areas	Electric	196	0	Per unit	3	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Hotel/Motel rooms	Electric	39	0	Per unit	3	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Other Health	Electric	108	0	Per unit	3	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: Other	Electric	103	0	Per unit	3	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: School (K-12)	Electric	64	0	Per unit	3	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lamps	Integral LED Lamps and Recessed Down Lighting	Decorative: University	Electric	151	0	Per unit	3	$0.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	E262	Insulation	Pipe	DHW Pipe Insulation: Gas-Fired Tank	Electric		7		7	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Insulation	Pipe	DHW Pipe Insulation: Electric Tank	Electric	164			7	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Gas Boiler Tune ups & Cleaning	Boiler Tune & Cleaning	Boiler Cleaning: Tube Boiler	gas		74	Per horsepower	5	$0.00	No charge to customer	Calculated
Commercial or Industrial	Existing or New	E262	Refrigerators	Door Gasket	Refrigeration Door Gasket- for Reach-in Glass Doors, Low Temperature	Electric	158		per Linear Foot	4	$0.00	No charge to customer	RTF Deemed
Commercial or Industrial	Existing or New	E262	Refrigerators	Door Gasket	Refrigeration Door Gasket- for Reach-in Glass Doors, Medium Temperature	Electric	27		per Linear Foot	4	$0.00	No charge to customer	RTF Deemed
Commercial or Industrial	Existing or New	E262	Refrigerators	Door Gasket	Refrigeration Door Gasket- for Walk-in Doors, Low Temperature	Electric	235		per Linear Foot	4	$0.00	No charge to customer	RTF Deemed
Commercial or Industrial	Existing or New	E262	Refrigerators	Door Gasket	Refrigeration Door Gasket- for Walk-in Doors, Medium Temperature	Electric	40		per Linear Foot	4	$0.00	No charge to customer	RTF Deemed
Commercial or Industrial	Existing or New	E262	Refrigerators	Strip Curtains	Strip Curtains Walk-in Cooler	Electric	25	0	per Sq. Ft.	4		No charge to customer	RTF Deemed
Commercial or Industrial	Existing or New	E262	Refrigerators	Strip Curtains	Strip Curtains Walk-in Freezer	Electric	134	0	per Sq. Ft.	4		No charge to customer	RTF Deemed
Commercial or Industrial	Existing or New	E262	Refrigerators	Electronically Commutated Motors	Evap. Motors: Shaded Pole to ECM in Display Cases	Electric		0		15		No charge to customer	RTF Deemed
Commercial or Industrial	Existing or New	E262	Refrigerators	Electronically Commutated Motors	Evap. Motors: Shaded Pole to ECM in Walk-ins	Electric	453	0		15		No charge to customer	RTF Deemed
Commercial or Industrial	Existing or New	E262	Refrigerators	Bare Refrigeration Suction Line Insulation	Medium Temperature (Cooler) Suction Line Insulation	Electric	4	0	Linear Foot	11		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Refrigerators	Bare Refrigeration Suction Line Insulation	Low Temperature (Freezer) Suction Line Insulation	Electric	9	0	Linear Foot	11		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Cooking Equipment	Oven, Gas	Existing gas combination oven	Gas		1164	Per unit	12	$2,000.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Cooking Equipment	Oven, Gas	Existing gas convection oven	Gas		323	Per unit	12	$500.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Cooking Equipment	Oven, Gas	Existing gas single rack oven	Gas		1034	Per unit	12	$2,000.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Cooking Equipment	Oven, Gas	Existing gas double rack oven	Gas		2104	Per unit	12	$2,000.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Aerator	Restaurant or other commercial	0.5 gpm aerators, annual savings	Gas		136	Per unit	5	$0.00	Each	PSE Deemed

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	G262	Water Heater	Full svc restaurant water heater, > 75,000 btu/hr and at least 92% efficient	199 MBH	Gas		0	Per ton	7	$4.71	Per MBH	Calculated
Commercial or Industrial	Existing or New	G262	Water Heater	Full svc restaurant water heater, > 75,000 btu/hr and at least 92% efficient	399 MBH	Gas		0	Per ton	7	$4.71	Per MBH	Calculated
Commercial or Industrial	Existing or New	G262	Water Heater	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	Gas		0	Per ton	7	$4.71	Per MBH	Calculated
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	1.6 gpm xn if head not prev supplied	Gas		492	Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	1.6 gpm xn if 2.2 gpm prev xn'd	Gas		163	Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	1.6 gpm xn if 2.6 gpm prev xn'd	Gas		329	Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	1.0 gpm xn if head not prev supplied	Gas		557	Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	1.0 gpm xn if 1.6 gpm prev xn'd	Gas		64	Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	0.6 gpm xn if head not prev supplied	Gas		639	Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	0.6 gpm xn if 2.2 gpm prev xn'd	Gas		310	Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	0.6 gpm xn if 2.6 gpm prev xn'd	Gas		476	Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	0.6 gpm xn if 1.6 gpm prev xn'd	Gas		147	Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	1.0 gpm xn if 2.6 gpm prev xn'd	Gas		393	Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	1.0 gpm xn if 2.2 gpm prev xn'd	Gas		227	Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	Sprayvalue not previously installed by PSE to 0.65 GPM	Gas		56	Each	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	2.6 gpm to 0.65 gpm	Gas		99	Each	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	2.2 gpm to 0.65 gpm	Gas		62	Each	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Spray Heads	Pre-Rinse Gas	1.6 gpm to 0.65 gpm	Gas		31	Each	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	HVAC	HVAC Retrofit	Fast Food Restaurant, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Gas	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	G262	HVAC	HVAC Retrofit	Office, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Gas	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	G262	HVAC	HVAC Retrofit	Restaurant, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Gas	0	0		15	Various	per project	Calculated

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	G262	HVAC	HVAC Retrofit	Retail, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Gas	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	G262	HVAC	HVAC Retrofit	School, Gas Pack. Various configurations, savings values & measure costs -- calculated measure	Gas	0	0		15	Various	per project	Calculated
Commercial or Industrial	Existing or New	G262	HVAC	HVAC Retrofit	Various building types, size, tier, economizer and t-stat presence. Check business calculator tool at indicated link for per-unit savings, costs and intcentive amount.	Gas		1	multiple variables	15	$0.00	Per ton	Calculated
Commercial or Industrial	Existing or New	G262	HVAC	Premium HVAC Service	Office/gas, gas pack, per ton. Various configurations, savings values & measure costs -- calculated measure	Gas	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	G262	HVAC	Premium HVAC Service	Retail/gas, gas pack, per ton. Various configurations, savings values & measure costs -- calculated measure	Gas	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	G262	HVAC	Premium HVAC Service	Specialty retail/gas, gas pack, per ton. Various configurations, savings values & measure costs -- calculated measure	Gas	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	G262	HVAC	Premium HVAC Service	Various configurations, savings values & measure costs -- calculated measure	Gas	0	0		5	Various	per project	Calculated
Commercial or Industrial	Existing or New	G262	Clothes Washers	High-Efficiency commercial clothes washer	Energy Star Qualified, PSE electric WH/PSE gas dryer using PSE electric	Gas		12	Per unit	7	$75.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Clothes Washers	High-Efficiency commercial clothes washer	Energy Star Qualified, PSE gas WH/PSE gas dryer	Gas		32	Per unit	7	$75.00	Each	PSE Deemed
		G262	Clothes Washers	High-Efficiency commercial clothes washer	Energy Star Qualified, PSE gas for WH/PSE elect for dryer	Gas		20	Per unit	7	$75.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Under Counter, PSE provides gas	High Temperature, gas WH, gas booster	Gas		326	Per unit	10	$500.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Under Counter, PSE provides gas	High Temperature, gas building hot water, elec booster	Gas		217	Per unit	10	$350.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Under Counter, PSE provides gas	High Temperature, elec WH, gas booster	Gas		109	Per unit	10	$150.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Under Counter, PSE provides gas	Low Temperature, gas WH	Gas		55	Per unit	10	$250.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Door Type, PSE provides gas	High temp, gas WH, gas Booster	Gas		608	Per unit	15	$1,000.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Door Type, PSE provides gas	High temp, gas WH, elect. Booster	Gas		405	Per unit	15	$650.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Door Type, PSE provides gas	High temperature, elec WH, gas booster	Gas		203	Per unit	15	$350.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Door Type, PSE provides gas	Low temp, gas WH	Gas		554	Per unit	15	$1,000.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Single Tank Conveyor, PSE provides gas	High temp, gas WH, gas booster	Gas		762	Per unit	20	$1,500.00	Each	PSE Deemed

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	ThermSavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	G262	Dishwashers	Single Tank Conveyor, PSE provides gas	High temp, gas WH, elec booster	Gas		508	Per unit	20	$1,000.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Single Tank Conveyor, PSE provides gas	High temp, elec WH, gas booster	Gas		254	Per unit	20	$500.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Single Tank Conveyor, PSE provides gas	Low temp, gas WH	Gas		520	Per unit	20	$1,000.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Multi Tank Conveyor, PSE provides gas	High temperature, gas WH, gas booster	Gas		1489	Per unit	20	$2,000.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Multi Tank Conveyor, PSE provides gas	High temperature, gas WH, elec booster	Gas		993	Per unit	20	$1,500.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Multi Tank Conveyor, PSE provides gas	High temperature, elec WH, gas booster	Gas		496	Per unit	20	$500.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Dishwashers	Multi Tank Conveyor, PSE provides gas	Low temperature, gas WH	Gas		798	Per unit	20	$1,500.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Aerator	non-hospitality	Installed in conjunction with a sprayhead	Gas		32	Each	10	$0.00	No charge to customer	
Commercial or Industrial	Existing or New	G262	Aerator	non-hospitality	Installed without a sprayhead	Gas		32	Each	10	$0.00	No charge to customer	
Commercial or Industrial	Existing or New	G262	Boilers	Full svc restaurant boiler, at least 92% efficient	670 MBH; Check business calculator tool at indicated link for per-unit savings, costs and intcentive amount.	Gas		0	Multiple variables	15	$6.11	Per MBH	Calculated
Commercial or Industrial	Existing or New	G262	Boilers	Full svc restaurant boiler, at least 92% efficient	Check business calculator tool at indicated link for per-unit savings, costs and intcentive amount.	Gas		0	Multiple variables	15	$6.11	Per MBH	Calculated
Commercial or Industrial	Existing or New	G262	Boilers	Laundry Boilers at least 92% efficient	Natural gas boiler for multifamily common area or commercial laundries	Gas		3	Per MBH	15	$6.00	Per MBH	PSE Deemed
Commercial or Industrial	Existing or New	G262	Aerator	Hospitality	0.5 gpm aerators, annual savings	Gas		5	Per unit	5	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Aerator	Hospitality	Installed without a sprayhead	Gas		6	Each	10	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Aerator	Hospitality	Installed in conjunction with a sprayhead	Gas		6	Each	10	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	G262	Cooking Equipment	Fryer, Energy Star	Any qualified model or configuration	Gas		292	Per unit	8	$750.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Water Heater	Laundry water heaters, > 75,000 btu/hr and at least 94% efficient	Natural gas water heater for multifamily commmon area or commercial laundries	Gas		2	Per MBH		$3.00	Per MBH	Calculated
Commercial or Industrial	Existing or New	G262	Cooking Equipment	Steamer, Connectionless	6 pan	Gas		244	Per unit	10	$750.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Cooking Equipment	Steamer, Connectionless	5 pan	Gas		276	Per unit	10	$750.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Cooking Equipment	Steamer, Connectionless	4 pan	Gas		306	Per unit	10	$750.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Cooking Equipment	Steamer, Connectionless	3 pan	Gas		340	Per unit	10	$750.00	Each	PSE Deemed
Commercial or Industrial	Existing or New	G262	Aerator	Aerators (Gas)	Non-hospitality Aerator Installation (Gas)	Gas		136		5			PSE Deemed
Commercial or Industrial	Existing or New	G262	Aerator	Aerators (Gas)	Hospitality Aerator Installation (Gas)	Gas		5		5			PSE Deemed

StructureType	ConstructionType	Schedule	MeasureCategory	CategoryDescription	DescriptionDetails	FuelType	kWhSavingsEESClaims	Therm SavingsEESClaims	SavingsUOM	MeasureLife	IncentiveAmt	IncentiveUOM	SavingsCalculationType
Commercial or Industrial	Existing or New	G262	Showerheads	Reduced-Flow Showerhead Natural Gas- heated DHW	Reduced-Flow Showerhead Natural Gas- heated DHW	Gas		9		10		No charge to customer	RTF Deemed
Commercial or Industrial	Existing or New	G262	Insulation	Water Heater	Water heater Insulation	Gas		21		7	$0.00	No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	Refrigerated Vertical Reach-In Case Lighting	LED Refrigerated Case Lighting Retrofit- 5ft T12 to 5ft LED	Electric	567	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	Refrigerated Vertical Reach-In Case Lighting	LED Refrigerated Case Lighting Retrofit- 5ft T8 to 5ft LED	Electric	217	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	Refrigerated Vertical Reach-In Case Lighting	LED Refrigerated Case Lighting Retrofit- 6ft T12 to 6ft LED	Electric	680	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	Refrigerated Vertical Reach-In Case Lighting	LED Refrigerated Case Lighting Retrofit- 6ft T18 to 6ft LED	Electric	261	0		12		No charge to customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	HID Retrofits	400W HID to 6 Lamp F28T8 High Ballast Factor	Electric	1076	0	Each	12		No cost to Customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	HID Retrofits	175W HID to 100W Ceramic Metal Halide	Electric	411	0	Each	12		No cost to Customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	HID Retrofits	250W HID to 175 W Pulse-Start Metal Halide	Electric	394	0	Each	12		No cost to Customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	HID Retrofits	400W HID to 200W e-HID	Electric	1015	0	Each	12		No cost to Customer	PSE Deemed
Commercial or Industrial	Existing or New	E262	Lighting Fixtures	HID Retrofits	1000W HID to 400W e-HID	Electric	2670	0	Each	12		No cost to Customer	PSE Deemed
Commercial or Industrial	Existing	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F32T8 Electronic Ballast: Retail	Electric	49	0		12	$10.00	per lamp	PSE Deemed
Commercial or Industrial	Existing	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F32T8 Electronic Ballast: Grocery	Electric	76	0		12	$10.00	per lamp	PSE Deemed
Commercial or Industrial	Existing	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F32T8 Electronic Ballast: Office	Electric	40	0		12	$10.00	per lamp	PSE Deemed
Commercial or Industrial	Existing	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F32T8 Electronic Ballast: Restaurant	Electric	63	0		12	$10.00	per lamp	PSE Deemed
Commercial or Industrial	Existing	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F32T8 Electronic Ballast: Warehouse	Electric	51	0		12	$10.00	per lamp	PSE Deemed
Commercial or Industrial	Existing	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F32T8 Electronic Ballast: Hospital	Electric	82	0		12	$10.00	per lamp	PSE Deemed
Commercial or Industrial	Existing	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F32T8 Electronic Ballast: Hotel/Motel Common Areas	Electric	108	0		12	$10.00	per lamp	PSE Deemed
Commercial or Industrial	Existing	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F32T8 Electronic Ballast: Hotel/Motel rooms	Electric	21	0		12	$10.00	per lamp	PSE Deemed
Commercial or Industrial	Existing	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F32T8 Electronic Ballast: Other Health	Electric	59	0		12	$10.00	per lamp	PSE Deemed
Commercial or Industrial	Existing	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F32T8 Electronic Ballast: Other	Electric	57	0		12	$10.00	per lamp	PSE Deemed
Commercial or Industrial	Existing	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F32T8 Electronic Ballast: School (K-12)	Electric	35	0		12	$10.00	per lamp	PSE Deemed
Commercial or Industrial	Existing	E262	Lighting Fixtures	T8 Fluorescent	F40T12 to F32T8 Electronic Ballast: University	Electric	83	0		12	$10.00	per lamp	PSE Deemed

Exhibit 6
2014-2015 Evaluation Plan

October 4, 2013

PSE PUGET SOUND ENERGY
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INTRODUCTION

This document outlines the *2014-2015 Evaluation Plan* developed by the evaluation team for Puget Sound Energy's portfolio of electric and gas energy efficiency programs. The overall role of the evaluation team at Puget Sound Energy (PSE) is to:

- Document and measure the effects of a program and determine whether it met its goals with respect to being a reliable energy resource.[1]
- Help understand why those effects occurred and identify ways to improve or discontinue current programs, and develop future programs.[2]

In preparing this plan, the evaluation team at PSE has developed a structured process that serves to:

- Assess the overall needs for program evaluation in a systematic manner, and
- Allocate limited financial and staff resources accordingly.

This plan summarizes the program evaluation prioritization strategy for 2014 and 2015. Specific evaluation plans for PSE's Energy Efficiency Services (EES) programs will be updated annually and refined with further clarification for the Conservation Resource Advisory Group (CRAG) and Washington Utility and Transportation Commission (WUTC) staff.

MANAGING PROGRAM EVALUATION

Consistent with our EM&V Framework, Puget Sound Energy has developed a four year cyclical plan. This plan is illustrated in Figure 1 on the following page. The timing of these program evaluations is consistent with the four-year timetable to evaluate all energy efficiency programs, as specified in condition(6)(f). While the condition does call for programs to be evaluated once every four years, some evaluations have been moved up to meet information needs identified in previous evaluations, while some have been added for new programs or programs that have undergone significant changes.

The level of rigor of each evaluation is based on the expected contribution of the each evaluation to understanding the savings contribution by program and overall portfolio performance. Additional detail on the prioritization is included in the Evaluation Processes section.

To identify common evaluation objectives and pool resources as needed, the evaluation team will continue coordinating with other bodies, such as other regional utilities, the Regional Technical Forum (RTF)[3], the Northwest Energy Efficiency Alliance (NEEA)[4] and the Northwest Research Group (NWRG)[5]. These types of evaluation projects are recognized in the four year evaluation plan as the line items "Schedule 249: Pilots" and "Other Projects".

By planning and coordinating closely with verification group, the evaluation team takes a systemic approach to the measurement and verification of savings.

[1] National Action Plan for Energy Efficiency (2007). Model Energy Efficiency Program Impact Evaluation Guide, Appendix B: Glossary. Prepared by Steven R. Schiller, Schiller Consulting, Inc. www.epa.gov/eeactionplan

[2] Id.

[3] The Regional Technical Forum (RTF) is a regional advisory committee established in 1999 to develop standards to verify and evaluate measure savings.

[4] The Northwest Energy Efficiency Alliance is a private non-profit organization funded by Northwest utilities, the Energy Trust of Oregon and the Bonneville Power Administration.

[5] NWRG is comprised of evaluation and research staff of the regions utilities, NEEA and BPA, seeking to find common evaluation and research needs, and opportunity to collaborate.

Figure 1: Four Year Plan for Program Evaluation

Program	% of 2014-2015 Elec. Portfolio Savings*	% of 2014-2015 Gas Portfolio Savings	Date of Most Recent Impact Evaluation	Applicability of Recent Impact Evaluation	Significant Program Changes for 2014-2015	Evaluation in 2014-2015	Type of Evaluation
Residential Energy Management							
Low Income Weatherization	1%	1%	2012 (process)	NA	No		
SF Existing: Lighting	24%	0%	2013 (outreach)	Medium	No	2014-15	Market Assessment
SF Existing: Space Heat	4%	18%	2013	High	No		
SF Existing: Water Heat	0%	0%	2013	High	No		
SF Existing: HomePrint	1%	0%	NA	NA	No	2014	Process
SF Existing: Home Appliances	4%	0%	2013 (refrig.)	High	No		
SF Existing: Mobile Home Duct Sealing	1%	0%	2013	High	No		
SF Existing: Web-Enabled T-stats	0%	1%	NA	NA	New	2014-15	Impact, Process, Market Assessment
SF Existing: Showerheads	2%	3%	2013 (outreach)	Medium	No	2014	Market Assessment
SF Existing Weatherization	1%	20%	2012	High	No		
SF Existing: Home Energy Reports	7%	16%	2013	Low	No	2014-15	Impact
Fuel Conversion	1%	0%	NA	NA	Yes	2014-15	Impact, Process
Multifamily Existing	8%	3%	2011	Out of date	No	2014-15	Impact, Process
Multifamily Air Seal			in progress	NA	No	2014	Impact, Process
Multifamily New Construction	0%	6%	2013	High	No		
Business Energy Management							
Pilots: Small Business Behavior	1%	0%	NA	NA	New	2015	Process, Impact
C/I Retrofit	24%	11%	2011	Out of date	No	2014-15	Process, Impact, Market Assessment
C/I New Construction	1%	0%	2013	High	No		
Resource Conservation Manager	5%	12%	2013	High	No		
Large Power User, Self-Directed	3%	0%	2011	Out of date	No	2014-15	Include with C/I Retrofit
EE Tech Eval: Remote Energy Audit	0%	0%	NA	NA	New	2015	Process, Impact
Commercial Rebates	10%	26%	2013	High	No		
Regional Efficiency Programs							
Distribution & Generation Eff.	1%	0%	NA	NA	New	2015	Impact -- CVR

** Excluding NEEA*

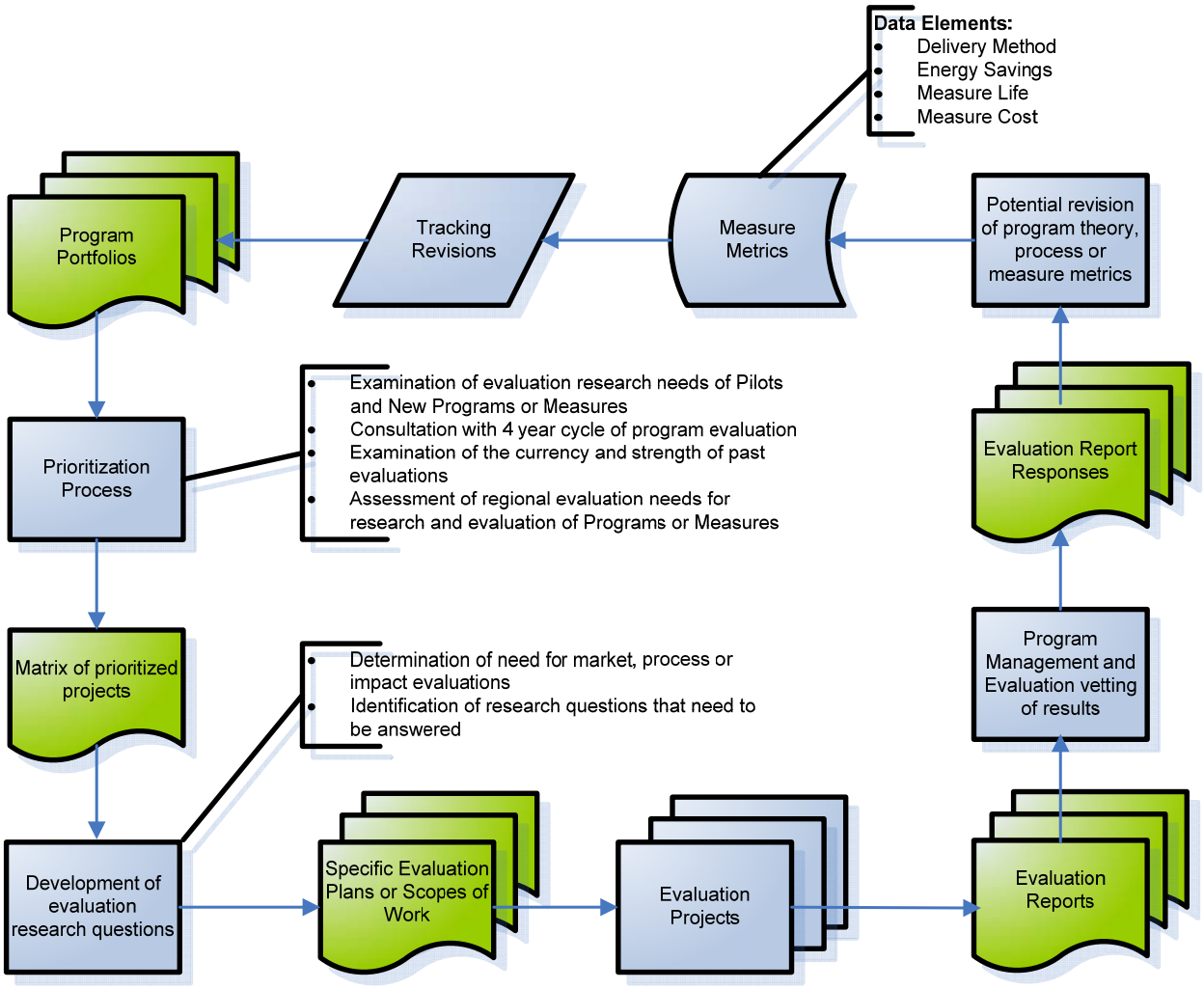
EVALUATION PROCESSES

The evaluation process at PSE starts with the company's portfolio of Energy Efficiency Services programs. From there a prioritization of evaluation activities or projects is developed. Then an exercise of identifying evaluation research questions drives the determination of impact, process, and market elements of a project. The PSE evaluation team develops Requests for Proposals and engages external evaluators to perform most program evaluations. Evaluation projects often involve scopes of work beyond what the internal PSE evaluation team can reasonably perform in a timely manner. External evaluators may also provide specialized skills required to complete a project. Further, external evaluators may help alleviate perceived bias in assessing program performance.

Throughout the evaluation project, evaluation staff will keep the implementation staff informed of key milestones and findings. Evaluation reports will be reviewed by evaluation staff and implementation staff. The implementation staff will then produce an Evaluation Report Response document that will serve as plan going forward regarding the study's findings and recommendations. Measure Metrics will be updated as necessary, which will lead to tracking revisions relative to the program portfolio.

This evaluation process is represented in Figure 2 on the following page.

FIGURE 2: PROGRAM EVALUATION PROCESS



STANDARDIZED APPROACH TO PROGRAM EVALUATIONS

Program-specific evaluation plans will be organized internally and will be reviewed and approved by Key program stakeholders. Each program evaluation project scope of work will include the following:

- **Review of Existing Program Data** – general program information including past and forecast budget, savings targets, and performance metrics
- **Identification of Key Program/Measure Considerations** – Any special considerations that assist in framing the history of the program or other evaluation scoping issues
- **Review of Key Performance Elements** – Identified Technical/Economic, Process, Market and Organizational elements
- **Determining Key Evaluation Research Questions** – Outstanding questions that arise from the identified risks that will drive the evaluation strategies
- **Defined Evaluation Strategy & Project Plan** – The strategies frame the near-term evaluation needs. These are articulated in a specific impact, process, and often market evaluation plans where appropriate.
- **Clearly Defined Outcomes –** Reporting, documentation, and dissemination of information

THE PROGRAM EVALUATION TOOLBOX

Scopes of work for evaluation projects will generally include one or more of the following research activities depending on what will best answer specific research questions and provide accurate and useful results:

- **Program Theory/Logic Model Review** – This step, which provides an overview of key program goals, objectives, activities and outputs, provides the basis for understanding and measuring program performance against program intent. It helps evaluators identify the type and level of program data and other information needed to understand performance and performance drivers.
- **Data Analysis/File Review** – Generally, program tracking, customer or market data is available to inform need for further data collection, or to form the basis of sampling methodology.
- **Staff Interviews** – Along with Data Analysis/File Review, surveys or interviews with key PSE staff can help direct evaluation scopes of work by revealing what is known, and gaps in organizational knowledge. Outcomes often result in development or updates of process flows and program logic models.
- **Tailored Best Practice Review** – A thorough review of regional, national or worldwide program and marketing practices can be useful to inform decisions regarding program strategies and planning. Best practices outside of the utility industry can be included in the review process.
- **Metering** – Specialized instrumentation used to monitor energy use or hours of operation is used to verify energy savings. Metering is often costly because it requires on-site installation and removal of metering equipment.
- **Billing and/or Econometric Analysis –** Analysis of weather adjusted energy use from billing or metered data, examining energy use in ex-anti and ex-post periods, often comparing a treatment group and a control group. This analysis may also statically compare billing data to engineering estimates. Econometric analysis is complimented by consumer survey data to assist in the control of exogenous variables such as changes in square footage of treated area, operational characteristics or tenant occupancy.
- **Customer Surveys** – Surveys of participating and non-participating customers may have a place in impact or process evaluations to augment billing analysis, assess customer satisfaction, or better understand customer or end-use characteristics,

- **Trade Ally Surveys** – Surveys or key informant interviews with market actors such as contractors, distributors or manufacturers may be required where a better understanding of market actors and business practices is needed for optimization of program delivery.

- **Engineering Analysis** – New measures and programs often lack sufficient empirical data to verify and validate important assumptions. In this case, engineering analysis may be used to develop interim assumptions that allow program staff a basis on which to build a program. Engineering analysis will be later followed up with empirical research when the data is available for collection.

2014-2015 EVALUATION BUDGET

The forecast Evaluation budget for electric programs in 2014 and 2015 is $3,488,967 and the natural gas evaluation budget is $416,732. Figure 3 shows the projected Electric and Natural Gas budgets for 2014-2015.

Figure 3: Program Evaluation Budget, 2014-2015

	Electric	Gas	Total
2014	$1,320,727	$134,378	$1,455,105
2015	$2,168,240	$282,354	$2,450,594
Total	**$3,488,967**	**$416,732**	**$3,905,699**

Exhibit 7
2014-15 Marketing Plan Overview

October 11, 2013

PSE PUGET SOUND ENERGY
The Energy To Do Great Things

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PSE Energy Efficiency Marketing Executive Summary

The Customer Engagement Team's (CET) responsibilities include the promotion of energy efficiency program offerings to achieve targets. This is accomplished by exercising promotional outreach to various market segments: residential direct-to-consumer, commercial and industrial, retailer, dealer, home and commercial builder and trade ally groups—with the goal of influencing and motivating those in PSE's service area to take specific, energy-efficient actions. The team anticipates customer needs, fosters community within specific channels and ensures delivery on brand values, through a variety of marketing programs, promotions, communications and events.

Communications efforts in 2014-15 will start by focusing on the fundamentals. We want to ensure the process runs smoothly for participating customers so they are more likely to complete the process and participate in future programs, events and promotions. An area of focus includes updating web descriptions, form processes and messaging to prevent drop-off at various points throughout the participation process. Customer's who've had a smooth, positive experience with PSE are more likely to complete the process and to participate in programs, events and promotions in the future.

The CET will also partner more closely with our community outreach and relationship management teams to ensure that energy efficiency messaging and programs are consistent, streamlined and targeted geographically. The Customer Engagement team will continue to align deliberate planning and outreach with regional teams and locations that can serve as efficient delivery channels for program opportunities within localized communities with localized needs. We will also continue to assess how to leverage PSE employees and contractors as delivery channels within their personal communities, and as they come into contact with customers in their daily work effort.

In 2013, the corporation adopted a new, customer-friendly brand platform that will be incorporated into our energy efficiency messaging in 2014-15 and is expected to positively influence adoption of energy efficient behaviors and use of energy efficient products.

In 2013, we also launched a research effort to better utilize store, showroom and distribution center exposure to consumers, contractors and small business decision makers. The research will help us determine best messaging, design, application and maintenance in order to boost on-site participation in PSE's energy efficiency programs that are available to them off the shelf.

Overall, the CET theme for 2014-15 is to simplify the process for our customers, anticipate their needs and make it easy for them to participate in PSE's energy efficiency programs and thereby prevent drop-off and boost participation, awareness and upsell into other programs.

Residential Structure Markets — Existing and New Construction

Primary End-User Audiences: Homeowners, Tenants, Homebuilders, Multi-Family Property Owners, Multi-Family Developers/Builders

2013 Highlights Review

Retailer and Dealer Channels

In 2013, the retail channel partnered with local retailers to create interactive display endcaps that allow consumers to test out energy-efficient products such as lighting in-store and see real life applications of product, such as in a bathroom vanity or outdoor flood light. In addition to interactive display endcaps the retail channel worked to enhance customers' in-store buying process by training retail sales associates on how to sell efficient lighting.

The retail channel also offered PSE-discounted CFL and LED bulbs, and premium-efficiency showerheads through online e-retailers as well as its own online store on PSE's website.

In 2012-2013 the retail channel launched "Re-Energized by Design" a home makeover competition that merged interior design with energy efficiency. The campaign focused on increasing energy efficiency awareness and customer engagement through a reality show-style competition featuring six PSE residential customers. The contestants competed in a series of five room-by-room energy-efficient makeover challenges using the latest and most stylish energy-efficient products. Each contestant was supported by a dedicated design coach who provided style guidance and encouragement along the way. Contestants were also filmed as they completed each room challenge, and PSE released a series of "webisodes" showing the journey of each contestant as they made their homes more beautiful and energy efficient. After each challenge a trio of local celebrity judges reviewed and scored the contestants' efforts to combine design and energy-efficiency. At the end of each challenge, one family was eliminated. Weekly "webisodes" featured the room makeovers, judging, PSE rebated energy-efficient products as well as easy energy-efficiency and safety tips for viewers to use at home.

As a spin-off of PSE's" Re-Energized by Design" home makeover competition in the spring of 2013 PSE launched "Re-Energized by Design: LED Makeover Takeover" a campaign designed to demonstrate the benefits of new LED lighting: improved pricing, color choices, placement options and new shapes. The campaign surprised residential electric customers at local retailers with the offer of a free home lighting makeover with LEDs. Customers lighting makeovers were captured on video to illustrate how easy it is to upgrade to efficient lighting. The Makeover Takeover video series included five customers light makeovers and a detail lighting shopping experience at Home Depot. The campaign was promoted through videos, a contest for customers to win their own lighting makeover, social media, earned media, events and paid media.

Continued momentum was seen with HomePrint™ Assessment. We conducted some propensity modeling for this program and initiated a direct mailing, followed by our first program-specific outbound calling campaign with Energy Advisors. There were other targeted direct mailings to drive program participation. One residential segment was our new customers, a perfect opportunity for a new homeowner to better understand their home's energy use.

Another mailing was directed at the top tier of customers from our propensity modeling list. We also did follow-up mailings to specific geographic areas which were canvassed by the efficient communities outreach team.

With the help of Energy Savvy, our third-party contractor who designed the assessment report and maintains the backend analytics, we developed a targeted email campaign to enhance our follow-up process with customers. Through their reporting tool, we identified all HomePrint participants who received an upgrade recommendation (e.g. insulation, windows, HVAC). We then delivered two separate emails each month; one which was measure-specific in the messaging, and another which was more generic (control group). Both emails encouraged customers to "take the next step" towards energy efficiency and had the same call-to-action, which was taking them to the Contractor Alliance Network self-referral page on PSE.com. To maintain engagement, all non-respondents received a second or third final reminder email about their recommendations and associated rebates. Preliminary findings indicated a lift in respective referrals generated, along with an incremental increase in measure incentives.

We partnered with certain home improvement retailers, such as Lowe's and Sears, to promote our heat pump water heater rebate program. Combining PSE rebates, retail and manufacturer discounts, there were some compelling offers for customers. This was promoted through targeted mailings and POS materials.

The Contractor Alliance Network (CAN) program experienced significant expansion. After refining program components within the single-family residential channel, CAN contractor affiliation was opened to other channels such as multifamily and small business lighting. With just residential alone, CAN members helped more than 9000 single family customers install energy efficient products which generated enough savings to heat 1150 single family homes for one year.

Earned Media/Social Media: Proactive pitching of "Re-Energized by Design" and "Re-Energized by Design: Lighting Makeover Takeover" campaigns resulted in TV and print media coverage. Both campaigns relied heavily on social media to promote new "webisodes" and generate participation in campaign-related contests. PSE's energy efficiency geared Facebook page gained a substantial number of followers during the course of each campaign. In fall, the Appliance Replacement program which had been slow in previous months received a boost generated by targeted outreach to local TV media. Numerous other programs and various limited time offers were announced via press releases to traditional and social media channels resulting in earned media.

Multi-Family Retrofit and Single Family New Construction

Multifamily Retrofit (MFR) maintained its program success by focusing on targeted events directed at property owners, managers and owner-occupied units. Both in-unit and common area direct installation of efficient lighting contributed significantly to target savings. Awareness was enhanced with building flyers and on-site educational events. With the addition of the fridge and washer replacement program, MFR generated new collateral to disseminate to their primary audience, along with riding the awareness wave from the retail channel's promotional efforts such as ARCA truck wraps. In Q4, MFR launched a smart strip program for entertainment systems to drive incremental savings. And the TRENDS conference continued to be the marquee event, being the largest housing rental exhibition on the West Coast.

The Single Family New Construction (SFNC) program relied primarily on partnerships with local chapters of the Master Builders Association, Sustainable Connections, Built Green, and similar organizations to maximize exposure to their membership. Exposure included tables and materials at events, advertising in organization programs and newsletters and in-person introductions.

Bill inserts were also used to generate demand among residential customers in the market for a new home.

To help entice builders to take up Northwest Energy Star Home (NWESH) certification, the Single Family New Construction program offered several promotional initiatives that included but not limited to offering free visibility to NWESH builders through June bill insert; partnering in NWESH's a Welcome Home campaign by providing a 'limited' offer to the first eight builders who 'certified' to the 2011 ENERGY STAR specification.

The SFNC program continued to support the City of Issaquah's z-Home project -- giving it visibility through regular e-news broadcast to builders to promote on-site educational classes available to builders and contractors to learn about new technologies being utilities for this project, as well as distributing project materials at builder driven events.

Several communications were delivered to Single Family New Construction homebuilder customers in light of transition to state new building codes and impacts to program business rules. Marketing communication consisted of website updates, newsletter announcement, revision to all brochure as well as hosting training workshops with building partners and direct-to-builder interaction.

Earned media/Social Media: Leveraging with social networking tools have continued to gain more popularity. Many of PSE's valued green-focused industry partners have seen a return here, as well as many of our contractors, showroom partners and builders – it's an effective way to reach our customers.

Standing e-news publications:
Re-Energize newsletter for Homebuilders
E-News Alerts for MF Property Owners

Residential Markets 2014 Plan // Major Promotional Elements

Retailer and Dealer Channels

Residential market promotions will continue to assess audience attitudes and purchasing habits to develop strategies and tactics that bring more qualified leads in the door to achieve respective program targets, educate customers about energy efficient products and offers, and find new ways to reach customers who may not have participated in PSE's programs before. This will be done by fully utilizing our market research capabilities and analyzing research data on buying habits to help refine our outreach methods.

Continued collaboration with peer utility groups for consistent messaging involving lighting and appliances is particularly important in areas where we share customers with other utilities. Unified messaging will help to reduce customer confusion when purchasing energy efficient products. In depth research on customer buying habits and preferences will guide point-of-sale signage in retail stores offering PSE rebated product. This may also extend to product packaging.

While in retail stores customers' interaction with energy-efficiency products and PSE should be one that is positive. Improved point of sale signage and training for retail associates will help to ensure customers are getting the most up to date information regarding energy efficiency and PSE programs.

We will continue to partner with retailers and manufacturers to provide the best customer value including limited-time-offers. Messaging may focus on rebated products being the most-efficient and best quality on the market, positioning PSE as a trusted source and increasing awareness of the variety of efficient rebated products in the marketplace.

The Dealer Channel will continue to strengthen program value propositions and create messaging which highlights the benefits of energy-efficient retrofits to the home. The primary attributes to entice customers to take action continue to be: saving money, helping the environment and making their home more comfortable.

HomePrint Assessment will continue to be our marquee program since it's free to the customer and provides them with a basic but informative overview of their home's energy use. We've since integrated LED's into the direct installation of high efficiency lighting, with CFL's continuing to be the majority of installation. Our targeted email to participants with upgrade recommendations is proving effective in creating more related referrals and, consequently, completed jobs with rebates associated with them. With the addition of natural gas customers, this program should drive incremental market penetration and energy savings.

The organic customer networking through our Contractor Alliance Network member contractors is a significant source for building program awareness. Contractors will continue to be a direct conduit to our customer base and are knowledgeable about our entire rebate program portfolio. By complementing the outreach efforts of our contractors with more targeted customer databases with specific efficiency needs, we aim to continue increasing our referral-to-rebate ratio. Along with having our efficient communities outreach team canvass with walk lists generated from propensity modeling, we intend to continue market penetration in the most cost-effective approach.

Our partnerships with retailers, and supportive organizations such as NEEA, have also led to incremental target savings. We plan on developing further relationships to provide greater program awareness from in-store education and point-of-sale to co-branded targeted mailings around retailer store locations. The Dealer Channel also plans on reactivating its partnership with local media entities from last year. A lot of groundwork was laid with conducting HomePrint Assessments with respective on-air talent. This can be a strong testimonial to our programs, as we continue to follow the upgrades to their homes and capturing their experience through the media they represent.

Earned Media /Social Media: Proactive pitching of various high-profile campaigns will be engaged to deepen press coverage of offerings in localized areas and create newsworthy events. Consumer-based campaigns benefit social media interactions; these tools will continue to be used to rally event and program participation. Some programs may be more traditionally positioned with traditional media through news releases and follow-up interviews.

Multi-Family Retrofit

The Multifamily Retrofit program continues to target property owners, managers, contractors, trade allies and tenants to encourage installation of energy-efficient measures and will build upon 2013 strategies for qualified lead generation. The Multifamily Retrofit program has added some innovative programs to its offerings, including refrigerator and clothes washer replacement along with a smart strip for entertainment systems.

The Multifamily Retrofit team will continue its effective partnership with Ecova in program execution. And with the integration of the Contractor Alliance Network program, there will be even stronger credibility and brand equity to help build awareness/drive target savings. Other outreach efforts such as on-site events with multifamily tenants will be a continued factor for program success.

Multifamily New Construction promotional efforts will focus on updating marketing materials with information about measures and incentives that have been developed in response to code changes.

Earned Media /Social Media:
Much of the earned media, acquired through trade journal and local publication ads, will supplement program awareness of direct installation initiatives for multi-family tenants and owners. Social media will be utilized to promote scheduled educational events at specific complexes.

Residential New Construction

Residential programs for both multi-family and single family homes will continue to rely on exposure through partnerships with builders, developers and organizations that serve them, such as Cascadia Building Council and the Master Builders Association.

Efforts will include routine outbound emails, web updates, tabling at events and opportunities that come up through partnerships.

In addition, we will explore ways to raise demand and awareness among homebuyers, homeowners and tenants by way of lobby certificates, news stories and social media posts about recent projects.

Earned Media / Social Media: We will utilize in localized industry publications, relevant consumer and business media, and continue to leverage social networking tools from industry partners with green focus like various Built Green programs.

Commercial and Industrial Structure Markets — Retrofit and New Construction

Primary End-User Audiences: Business Owners (small and large), Commercial Building Owners, Commercial Developers/Builders, Facility Managers

2013 Highlights Review

In 2012-13 the CET targeted small business customers with local energy "blitzes" consisting of no-cost energy assessment, direct installation of measures at no-cost and an introduction to additional energy efficiency programs.

Various case studies were developed featuring business customers who have participated in PSE's energy efficiency programs. Topics include comprehensive building tune-up, custom grant new construction, resource conservation management and custom retrofit grant.

Business Energy Management (BEM) co-hosted the Powerful Business Conference in 2013. The CET supported the conference through program management, assistance with speakers, promotional materials and information for the day of the event. Conference attendees included individuals in the field of energy management and conservation for public and private facilities.

In 2013, the CET created customizable certificates to recognize business customers' participation in energy-efficiency programs at the completion of a project. The recognition certificates are intended for business customers to hang in their lobby or common area to celebrate their energy and monetary savings and spark additional interest in PSE's energy efficiency programs.

Work began in late 2013 to simplify business lighting programs into a single lighting program with multiple paths in efforts to make a more desirable customer experience. Work includes an improved application and process, contractor trainings, promotional materials and web updates.

Earned Media/Social Media: The CET generated coverage of regional small business direct install community "blitzes" and business lighting program participants in community publications. Social media supported small business direct install community "blitz" in Kingston, WA though live tweeting. We collaborated with NEEA to promote Building Operator Certification through targeted media outreach explaining training has helped facility owners become more familiar with utility conservation programs.

Commercial Markets 2014 Plan // Major Promotional Elements

In 2014-15 Commercial and Industrial Structure Markets will offer non-residential customers various rebates, custom retrofit grants and programs for building owners.

The custom retrofit grant program depends on leads from a variety of sources: repeat program participants, internal PSE channels such as Business Services and Energy Efficient Communities, trade ally relations with contractors, engineering design firms and energy services companies. Promotional efforts will focus on leveraging these relationships by keeping various lead generators informed of program offerings and PSE's role in various retrofit projects to increase customer awareness and participation. Promotion of the commercial new construction program will be handled in a similar way, leveraging existing relationships to communicate the benefits of the program.

With the expansion of the small business direct install program promotional efforts will focus on recognizing customers who recently participated in the program with certificates, targeted pitching to their local newspaper or inclusion in a customer recognition ad. Outreach will be done in advance of targeted community “blitzes” to encourage program participation.

Promotional efforts pertaining to commercial rebates will target decision makers and influencers in key business sectors: hospitality and lodging, premium HVAC service, commercial kitchens (point of sale display materials), and commercial lighting. In addition, we will leverage existing relationships to promote the new commercial lighting program and we will promote through testimonials.

With the resource conservation manger program expanded to smaller customers, support will be provided in the form of targeted outreach recognizing successful projects.

The CET will provide continued support for relevant conferences, tradeshows and trade allies in which energy efficiency message is relevant to the audience and will increase awareness and potential participation in energy efficiency programs for non-residential customers.

Web pages pertaining to all commercial and industrial offers will be updated for a more customer-friendly experience. All existing promotional material will be overhauled to incorporate the myPSE brand.

Earned Media / Social Media: Targeted outreach to local media will celebrate business customers’ recent energy efficiency improvements while generating awareness of PSE energy efficiency programs for business customers. News releases will be generated to targeted media announcing program successes, grant awards, customer recognition and various other program announcements. Social media will focus on proactive outreach with business customers by “liking” their social media profiles and congratulating them on energy efficiency successes.

EES Portfolio Support

2013 Highlights Review

In 2013, Customer Online Experience financed the remainder of a sophisticated analytics pilot discovery launched in 2012, as well as online energy-efficiency analysis tools for residential and small business customers. Customer Online Experience also supported the development of additional online tools and interactive content, including:

- Educational motion graphics, web applications and infographics
- Planning and framework for updated personalized energy management and analysis tools for desktop and mobile.

A very small percentage of funds were allocated to software and image licensing to support Customer Solutions marketing programs.

The Market Integration budget was allocated entirely to energy-efficiency marketing labor costs.

Earned Media / Social Media: Earned media is driven through the channel side of energy efficiency. The Re-Energize Facebook site registers approximately 4,100 friends and is continually updated with original content based on program offerings, news, tips and ideas and energy-efficiency content from external partners and expert resources.

EES Portfolio Support 2014 Plan // Major Promotional Elements

In 2014, PSE will implement upgraded personalized energy-efficiency analysis tools available to customers within the myPSE Account section of PSE.com—for desktop, tablets and mobile web users—and via PSE's new mobile app (Android and iOS).

These enhanced tools will better help customers understand the specifics behind their energy usage, show neighbor comparisons (residential customers), notify customers of higher than usual usage, and provide new ways to encourage efficient behaviors, by suggesting personalized tips, tools, ideas and checklists, based on a customer's automated energy usage profile and self-assessment information.

The Customer Online Experience budget will also support implementation of the tools outlined above, interactive content development, e-newsletters and the fees for other miscellaneous software applications, such as online form, database and web hosting services.

The Market Integration budget will be allocated entirely to energy-efficiency marketing labor costs.

Earned Media / Social Media: Earned media is driven through the channel side of energy efficiency. The Re-Energize Facebook site will continue to host original content and pursue opportunities to better engage with customers through viral content, shared values and common loyalties around energy-efficiency.

Appendix A: Exhibit 3 Program/Channel Marketing Plan Sections

RESIDENTIAL ENERGY MANAGEMENT

SINGLE – FAMILY EXISTING

Retail Channel Marketing Section

The objectives for the Retail Channel's 2014-15 marketing strategy are to help achieve program targets, educate customers about energy efficient products and offers, and find new ways to reach customers who may not have participated in PSE's programs before. By fully utilizing our market research capabilities, we will analyze research data and gather customer opinions on buying habits that will help us refine our outreach methods.

2014-2015 Strategies:

Lighting

- Continue collaboration with peer Puget Sound utility roundtable group to develop consistent messaging region-wide.
- Simplify the in-store buying process with informative point-of-sale materials, which may include PSE messaging on the product packaging itself.
- Increase awareness of the variety of quality products on the market. Provide pathway for customers to read product reviews.
- Engage our customers with CFL and LED bulbs as an education entry into the most energy-efficient lighting on the market.
- Continue to educate customers both directly and through the retail sales associates engaging them within the stores on the best energy-efficiency lighting products on the market.

Appliances

- Marketing activities that center around PSE rebates on the most-efficient appliances on the market, which may include limited-time-offers.
- Continue to encourage customers to recycle old, inefficient appliances.
- Communicate variety of purchasing options to customers and streamline the process with clear point-of-sale materials and improved online functionality.
- Engage of our customers with a quality high efficiency showerhead. Unlike direct-mail, this delivery gives PSE a personal touch where we are able to answer customer questions and engage in other energy-efficiency messages.
- Partner with retailers and manufacturers to provide the best customer value such as, but not limited to limited-time-offers and merchandising activities.

Incremental marketing strategies:

- Get customers to the retail stores and once there engage them to buy energy-efficiency products that meet PSE's programs.
- While shopping, provide customers with a positive interaction with energy-efficiency, even if only for a moment.
- Integrate low income program components whenever possible.

Dealer Channel Marketing Section

As we position ourselves for 2014-2015, we will renew our focus on the customer as part of our marketing strategy and will be examining market potential through three separate lenses – specifically broad trends within our service area, the backdrop of market activity, and a finely tuned, more personalized scope that will give us the ability to humanize the value proposition.

We will also be utilizing other technology from vendors to achieve the different perspectives to help achieve target goals and enhance the customer experience, while still using social media to play a part of building program awareness.

2014 Strategies:

HomePrint Assessment

- Drive cross-channel opportunities within our contractor network to supplement the program delivery.
- Drive participation from our gas customers as we develop this new market opportunity.

Space Heating

- Continue to collaborate with manufacturers and retailers on targeted campaigns.
- Enhance customer awareness through new media channels of existing incentive programs such as high efficiency fireplaces for electric customers.

Water Heating

- Continue to collaborate with manufacturers and retailers on targeted campaigns.
- Create deliverables on promoting integrated space and water heating systems.
- Enhance customer awareness, through new media channels, on existing incentive programs.

Weatherization

- Continue to build awareness and drive transactions on whole-house air sealing and PTCS duct sealing measures.
- Create enhanced marketing initiatives for windows using limited-time offers, and reengage our gas customers as we develop this new market opportunity.

Incremental marketing strategies:

- Continue to promote “Limited-Time-Offer” and “Matching Rebate” campaigns on various program measures.
- Drive customers to the CAN self-referral web page for all incentive programs.
- Integrate financing option messaging whenever appropriate.
- Continually strive to enhance the customer experience.

Low Income Weatherization Marketing Section

The Low Income Weatherization program is a program that relies on its partner housing agencies to deliver offerings to eligible low-income homeowner participants. The marketing objective is to elevate program awareness to participating customers and end-user opportunity among housing agencies' administrators.

PSE provides a weatherization program brochure, which explains the program and basic eligibility requirements, and lists the agency contact phone numbers. This brochure is normally available to customers during public events in which PSE participates. The brochure is distributed to local agencies serving the low-income population.

Partner Marketing with Housing Agencies

We will continue to encourage Housing Agency Administrators to move applications through the approval process, and to identify LIW opportunities to eligible candidates. Push promotions will be used when suitable and include the following elements:

- Biannual newsletter
- Annual forum
- Updated LIW brochure (multiple languages)
- Leave behind collateral
- Enhanced presence and content on Web
- Increased collaboration among other low-income programs and services
- Continuous review and effectiveness assessment

Multifamily Retrofit Program Marketing Section

The Multifamily Existing program will work with the program's business development team to expand and build a prospect network in a changing market. Outreach efforts help to increase program participation with multifamily property owners and property managers, leverage relationships with trade ally contractors, and raise tenant awareness on the value of in-unit energy efficiency upgrades and how tenants play a part.

Industry Events and Membership Collaborations

The program partners with multifamily associations including the Washington Multifamily Housing Association (WMFHA) and the Rental Housing Association (RHA). These partnerships broaden the program reach to provide venues where members can collectively engage. The promotional tactics used to support this strategy include:

- Booth & tabletop displays
- Booth materials: brochures, drawings, signage
- Program handbooks: company and program profiles, logo usage and applicable advertisements
- Pre-event advertising (publications, e-news, e-vites, web)
- Presentation leave behinds
- Post event surveys/debriefs
- Tracking leads generated for ROI

Education, Communication & Awareness
Maintaining consistent program communication, awareness and energy efficiency educational elements is complimentary to the success of achieving savings target goals, some of which may include the following:

- Quarterly e-Newsletter to property managers and contractors
- Energy challenges to bolster tenant engagement and encourage behavioral modification
- Energy efficiency certification/recognition to promote property management participation in PSE programs
- Increased distribution/penetration of Energy Savings Tips brochure
- Dedicated Energy Advisor to capitalize on Direct Install customer engagement opportunities and help promote related PSE products & services

Collateral Development
To complement the program's business development outreach efforts, promotional materials will be designed and produced to effectively communicate key messages and highlight the benefits of the efficiency measures to target audiences.

Advertising Campaigns and Media Relations
To generate program awareness amongst multifamily customers, various advertising campaigns will be launched through multiple means or channels to make customers aware about its presence in the market.

Residential New Construction Marketing Section

The Residential New Construction program will use a mix of integrated marketing, communication tactics to ensure customer awareness and participation. The goal will be to elevate program awareness to building partners and help educate their customers about the benefits of building and living in an energy-efficient home. The program will use a mix of marketing activities to reach the designers, builders, owners, and developers of new multi-unit residential structures.

The Residential New Construction program's partnership goal with various green building associations will be to increase the number of homes certified through Northwest Energy Star® Homes and Built Green programs, plus promote the benefits of purchasing a green certified homes. The program will use a bundled approach to release reoccurring messaging and updates to its primary and secondary target audiences. It will also develop a strategy based on the developing market conditions and affordable opportunities in appropriate publications.

Coordination with Other Energy Efficiency and PSE Programs

- Cross-promote Residential New Construction program with BEM new construction program.
- Cross-promote Residential New Construction program with gas development program.
- Work with Energy Efficient Communities Staff to promote program.

Advertising and Collateral Development

- Direct-to-builder brochures
- Direct mail and advertisements
- Newsletters
- Online/website development

- Consumer education: bill inserts, model home signage, builder cooperatives
- Cross program positioning: Community Outreach and Education, Gas Growth, REM
- Other PSE division collaborations: Customer Construction Services and CRM's

Industry Events and Builder Relations

- Pre-event advertising (publications, e-news, e-vites, web)
- Host or co-host events for customers and contractors with other programs

2014-15 Energy Efficient Communities Outreach Strategy Overview

- Outreach to the development community
- Promote new construction programs to municipalities
- Promote energy efficient new construction at industry events

BUSINESS ENERGY MANAGEMENT

Commercial / Industrial Retrofit Marketing Section

PSE's Custom Retrofit Grant Program depends on the certain channels to maintain an quantity of custom retrofit project leads: repeat program participants, internal PSE channels (Business Services and Energy Efficient Communities), and trade ally relations with contractors, engineering design firms and energy services companies (ESCOs).

Communications

PSE will to communicate about C/I Retrofit program offerings as follows:

- Incorporate myPSE branding into materials as they are refreshed for greater cohesiveness of program information and increased customer awareness of PSE's comprehensive efficiency program offerings.
- Leverage other PSE customer-facing departments to communicate PSE Efficiency Program information

Coordination with PSE Staff and Departments

- Proactive coordination with Energy Efficient Communities staff.
- Regular meetings and communications with Business Services staff, including Major Accounts Executives and Business Accounts Managers.
- Routine updates to PSE Energy Advisors about programs.
- Collaboration with PSE media outreach and social media teams to publicize significant projects and program offerings

Coordination with Program Providers

- Energy Smart Grocer
- Industrial Systems Optimization
- Data Center Energy Efficiency

Coordination with Trade Allies

- Participate in meetings to update trade allies on program offerings.
- Provide information about PSE's role in energy efficiency retrofit projects.
- Coordinate with trade allies on PSE energy efficiency program messaging.

PSE will participate in relevant conferences and tradeshows where energy efficiency message is relevant to the audience.

Commercial / Industrial - New Construction Marketing Section

PSE's program for commercial new construction will remain an incentive for building designers and developers to include energy-efficiency measures that are above and beyond what is required by the building code.

PSE will utilize relations with trade allies and build relationships in the construction community and increase awareness of program offerings. Collaboration with departments like Business Services, Energy Efficient Communities and Customer Construction Services will yield greater program awareness.

Communications

- Revamp collateral to reflect customer needs and myPSE brand for greater comprehensive understanding of energy efficiency program offerings.
- Revamp content on PSE.com to be more user-friendly.
- Update standardized content for public presentations.
- Develop case studies that include new construction commissioning and likely rebates or components.
- Incorporate messaging around other services PSE provides for new construction projects beyond incentives for improved customer service and greater participation.

Resource Conservation Manager Marketing Section

PSE's Resource Conservation Manager (RCM) Program utilizes a broad array of marketing materials and training activities to reach its customer base. The nature of the RCM program and its need for ongoing communications efforts with customers blurs the distinction between promotional marketing and customer communications.

To reach the cost-effectiveness required, PSE's RCM program targets large portfolio-based customers or groups of customers who will be able to recover the cost of implementing their RCM program through resource savings achieved.

Program Communications to Existing Customers

- Update collateral and web pages to be more customer-friendly and incorporate myPSE brand.
- Support for the RCM annual meeting with displays and handouts as needed.
- Establish resources and protocol for webinar trainings.

Internal PSE Communications and Publicity

- Review communications developed by Energy Efficient Communities.
- Work with media outreach and social media teams to publicize successful projects.

Commercial Rebates Program Marketing Section

PSE's Commercial Rebates Program will be proactive in using a mix of marketing and communications activities to reach the decision makers and influencers in the following key business sectors, as well as maintain current and accurate promotional information for all Commercial Rebates incentives.

Small Business Outreach – Direct Installations
The CET will coordinate marketing and outreach efforts with multiple PSE channels including Energy Efficient Communities, Business Services, and Customer & Community Engagement.

Hospitality

- Print and web materials targeted to this market promoting rebates for packaged terminal heat pumps (guest room HVAC), lighting controls, commercial kitchen equipment, laundry equipment and lighting.
- Participation in the Washington Lodging Association.

Commercial Kitchens

- Update of marketing materials to incorporate myPSE brand plus any program changes required.
- Development and disbursement of Point of Sale (POS) display materials for participating instant rebate vendors

Commercial Lighting

- Development of marketing collateral that provides increased awareness of new "Business Express" lighting rebate program incentives.
- Continued expansion of Contractor Alliance Network (CAN) into the commercial lighting sector of trade allies.
- Leveraging of the Northwest Trade Ally Network for promotion of lighting efficiency offerings.

Coordination with Trade Allies

- Supporting contractors and vendors with program information.
- Participation in meetings to update trade allies on program offerings.
- Coordination with trade allies on PSE energy efficiency program messaging.

Coordination with PSE Staff and Departments

- Proactive coordination with Energy Efficient Communities staff.
- Regular meetings and communications with Business Services staff, including Major Accounts Executives and Business Accounts Managers.
- Routine updates to PSE Energy Advisors about programs.

Puget Sound Energy

Exhibit 8: Evaluation, Measurement & Verification (EM&V) Framework

In response to the
Washington Utilities and Transportation Commission Orders in
Dockets, UE-100177, dated September 28, 2010,
and UE-111881 dated June 14, 2012

Revised September 24, 2013

PSE PUGET SOUND ENERGY
The Energy To Do Great Things

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Acknowledgements

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Definitions

Unless otherwise noted in a specific Conservation Schedule Tariff Sheet, the following commonly-used terms, used throughout and applicable only to this document have the below noted meanings. Definitions or glossaries contained in other Energy Efficiency Department documents, policies or guidelines referring to specific processes or unique functions shall have the meanings noted in those documents, policies or guidelines. Several definitions below are taken directly from the National Action Plan for Energy Efficiency (2007). Model Energy Efficiency Program Impact Evaluation Guide, Appendix B. Prepared by Steven R. Schiller, Schiller Consulting, Inc. www.epa.gov/eeactionplan.

Baseline: Conditions, including energy consumption and related emissions, that would have occurred without implementation of the subject project or program. Baseline conditions are sometimes referred to as "business-as-usual" conditions. Baselines are defined as either project-specific baselines or performance standard baselines.

Baseline period: The period of time selected as representative of facility operations before the energy efficiency activity takes place.

Bias: The extent to which a measurement or a sampling or analytic method systematically underestimates or overestimates a value

Calculated savings: An estimate of savings based on a standardized procedure for data collection and analysis that is applicable to many different end-use sites. Standardization of data collection reduces cost by eliminating or minimizing the need for site-specific measurement planning. This method is appropriate when savings from a measure are widely varying but can be reliably estimated by a standardized protocol.

Claimed Savings: are values reported by a program implementer or administrator after the efficiency activities have been completed.

Confidence: An indication of how close a value is to the true value of the quantity in question. Confidence is the likelihood that the evaluation has captured the true value impacts of a program within a certain range of values.

Continuous Improvement: A department in PSE where the Internal Evaluation Team resides.

Custom savings: Savings for measures that require site-specific data collection and analysis in order to develop a reliable estimate of savings. Highly skilled and experienced practitioners are required to design and implement custom protocols. Custom protocols require site-specific documentation of the data collected and how that data is used in estimating savings.

Deemed (UES) savings: An estimate of an energy savings or energy-demand gross savings outcome for a single unit of an installed energy efficiency measure that (a) has been developed from data sources and analytical methods that are widely considered acceptable for the measure and purpose and (b) is applicable to the situation being evaluated. Also known as Unit Energy Savings (UES).

Effective Useful Life (EUL): A term sometimes referred to as measure life and used to describe persistence. EUL is an estimate of the median number of years that the measures installed under a program are still in place and operable.

Energy Conservation Measure (ECM): See Measure.

Energy Efficiency Department: A department within PSE that is responsible for fielding Energy Efficiency Services to customers.

Evaluation: The performance of studies and activities aimed at determining the effects of a program (and/or portfolio); any of a wide range of assessment activities associated with understanding or documenting program performance, assessing program or program-related markets and market operations; any of a wide range of evaluative efforts including assessing program-induced changes in energy efficiency markets, levels of demand or energy savings, and program cost-effectiveness.

Evaluation, Measurement and Verification (EM&V): Catch-all term for evaluation activities at the measure, project, program and/or portfolio level; can include impact, process, market and/or planning evaluation. . EM&V is distinguishable from Measurement and Verification (M&V) defined below.

Evaluation Report Response (ERR): This report, prepared by designated program managers, documents pertinent adjustments in program metrics or processes, subsequent to an evaluation study, and is attached to the completed evaluation report.

Ex-ante savings estimate: Forecasted savings used for program planning; from Latin for "beforehand." Often used in context of reported savings.

Ex-post evaluated estimated savings: Savings estimates reported by an evaluator after the energy impact evaluation has been completed. If only the term "ex-post savings" is used, it will be assumed that it is referring to the ex-post evaluation estimate, the most common usage; from Latin for "from something done afterward."

External Evaluators: Independent professional efficiency evaluators retained to conduct EM&V. Consideration will be made for those that are Certified Measurement and Verification Professionals (CMVPs) through the Association of Energy Engineers (AEE) and the Efficiency Evaluation Organization (EVO).

Evaluated Savings: Values reported by an independent, third-party evaluator after the efficiency activities and impact evaluation have been completed.

Free Rider: A term in the energy efficiency industry meaning a program participant who would have installed the efficient product or changed a behavior regardless of any program incentive or education received.

Free Driver: A non-participant who has adopted a particular efficiency measure or practice as a result of the evaluated program.

Gross savings: The change in energy consumption and/or demand that results directly from program- related actions taken by participants in an efficiency program, regardless of why they participated.

Implementation Teams: Puget Sound Energy, Energy Efficiency Department employees who operate and work within the DSM program, whose responsibilities are directly related to implementation and administration of DSM programs, and who may have energy savings targets as part of their employee goals or incentives.

Impact Evaluation: A study to determine the impacts, energy or demand, and co-benefits such as avoided emissions, health benefits, job creation, energy security, transmission/distribution benefits and water savings, that directly result from a program.

Internal Evaluation Team: Puget Sound Energy, Continuous Improvement employees who perform analysis and reporting in Energy Efficiency Programs and Measures but do not have energy savings targets as part of their goals or incentive structure.

Market Effect Evaluation: An evaluation of the change in the structure or functioning of the market, or the behavior of participants in a market, that results from one or more program efforts.

Market Evaluation: A study designed to assess ECM baselines, measure costs, market actor needs and preferences, free-ridership and spillover.

Measure (also Energy Conservation Measure or "ECM"): Installation of a single piece of equipment, subsystem or system, or single modification of equipment, subsystem, system, or operation on the customer side of the meter, for the purpose of reducing energy and/or demand (and, hence, energy and/or demand costs) at a comparable level of service.

Measure Life: See Effective Useful Life (EUL)

Measure Metrics Database: Unique to PSE, a combination of Microsoft® Access™ database and system network drive folders that allow Energy Efficiency Department to manage its entire suite of prescriptive (or Deemed (UES)) and some calculated ECMs. The system tracks the development, implementation, life cycle, sunset and retirement of these ECMs. Measure Metrics is the foundation of Energy Efficiency Department prescriptive ECM savings claims. It isthe Energy Efficiency Department's means of documentation for energy savings justifications for prescriptive ECMs. It also tracks an ECM's cost, life and history of revisions. One important distinction is that the system does not track cumulative savings and program costs; only the basis for prescriptive and some calculated measures.

Measurement and Verification (M&V): Data collection, monitoring, and analysis associated with the calculation of gross energy and demand savings from individual measures or projects. M&V can be a subset of program impact evaluation. M&V is defined in the International Performance Measurement and Verification Protocol (IPMVP - available at http://www.evo-world.org).

Net Savings: The total change in load that is attributable to an energy efficiency program. This change in load may include, implicitly or explicitly, the effects of Free Drivers, Free Riders , energy efficiency standards, changes in the level of energy service, and other causes of changes in energy consumption or demand.

Net-to-Gross Ratio: An industry term for the adjustment factor to determine net savings from a gross savings estimate. The net-to-gross ratio for Puget Sound Energy is set to 1.0 for all cost effectiveness tests.

Precision: The indication of the closeness of the agreement among repeated measurements of the same physical quantity.

Projected Savings: Values of energy savings reported in the planning stage, prior to the time efficiency activities are completed.

Portfolio: Collection of similar programs addressing the same market or the entire market.

Process Evaluation: A study to assess program delivery, from design to implementation, in order to identify bottlenecks, efficiencies, what worked, what did not work, constraints, and potential improvements.

Program: A group of projects, with similar characteristics and installed in similar applications. Examples are a program to install energy-efficient lighting in commercial buildings and residential energy efficiency weatherization program. Each program is defined by a unique combination of program strategy, market segment, marketing approach and energy efficiency measure(s) included.

Project: An activity or course of action involving one or multiple energy efficiency measures, at a single facility or site.

Projected Savings: Values reported by a program implementer or administrator prior to the time the efficiency activities are completed.

Protocol: A written procedural method for implementing processes. Protocols often include information on the calculation of results and reporting standards.

Realization rate: The ratio of ex-post evaluated gross savings to ex-ante reported gross savings. When realization rates are reported, it is comparing the ex-post evaluated savings to the ex-ante reported savings.

Reliability: When used in energy efficiency evaluation, this refers to the likelihood that the observations can be replicated.

Reported savings: Savings estimates reported by Puget Sound Energy for an annual period. These savings will be based on best available information.

Rigor: The level of expected Confidence and Precision. The higher the level of rigor, the more confident one is that the results of the evaluation are both accurate and precise.

Spillover: Reductions in energy consumption and/or demand caused by the presence of the energy efficiency program, beyond the program-related gross savings of the participants. There can be participant and/or non-participant spillover.

Unit Energy Savings (UES): An energy savings value for measures whose unitized savings, e.g., savings per lamp or motor, is stable (both the mean and variance) and can be reliably forecast through the period defined by the measure's sunset criteria.

Uncertainty: The range or interval of doubt surrounding a measured or calculated value within which the true value is expected to fall within some degree of confidence.

Verification: A component of overall evaluation efforts aimed at verifying installations of energy efficient measures and associated documentation through review of documentation, surveys and/or onsite inspections. It does not include primary research (e.g., billing analysis, metering) for the purpose of determining the energy use/savings of the installed measures. PSE also engages in programmatic Verification activities, managed by the Verification Team, including inspections, quality assurance reviews, and tracking checks and balances as part of routine program implementation.

Verification Team: Puget Sound Energy, Energy Efficiency Department employees who verify installation of energy efficiency measures.

Acronyms

CRAG – Conservation and Resource Advisory Group

ECM – Energy Conservation Measure

EME – Energy Management Engineer

EM&V – Evaluation, Measurement & Verification

ERR – Evaluation Report Response

EUL – Effective Useful Life, aka “Measure Life”

IPMVP - International Performance Measurement and Verification Protocol

IRP – Integrated Resource Plan

kWh – Kilowatt hour

M&V – Measurement and Verification

M:M – Measure Metrics

NEEA – Northwest Energy Efficiency Association

NWRG – Northwest Research Group

PACT – Program Administrator Cost Test (also known as UC)

PCT – Participant Cost Test

RCW – Revised Code of Washington

RFP – Request for Proposal

RIM – Ratepayer Impact Measure Test

RTF – Regional Technical Forum of the Northwest Power and Conservation Council

TRC – Total Resource Cost Test

UC – Utility Cost Test (also known as PACT)

UES – Unit Energy Savings

UTC – Washington Utilities and Transportation Commission

Executive Summary

The purpose of this document is to meet the interests and intentions of the September 2010 Electric Settlement Agreement, Docket No. UE-100177 and Order 01 of Docket No. UE-111881 regarding EM&V interests. It describes the framework by which Puget Sound Energy ("PSE" or "the Company") will conduct evaluation, measurement and verification (EM&V) activities to estimate energy savings and other metrics associated with its Energy Efficiency Department programs. The Framework addresses PSE's Energy Efficiency programs funded by Schedules 120 and/or the current cost-recovery mechanisms approved by the Washington Utilities and Transportation Commission (UTC). Evaluations will be performed by independent, external evaluators and PSE's internal evaluation team to prospectively improve program delivery and program energy savings estimates derived from the Company's Energy Efficiency Department portfolio of programs.

This framework document adopts industry best practices definitions of terms, principles of operation, and protocols that will be utilized by PSE or external evaluators to evaluate, verify and document the savings acquired from its efficiency programs and the processes used to acquire those savings. The intended audience for this Framework is the Company's management, PSE's Energy Efficiency Department staff, and external evaluators who will perform evaluations, the UTC, and interested parties. The framework guides development of annual EM&V plans for specific evaluation activities. It also provides a mechanism for the UTC and interested parties to understand and comment on the Company's overall program evaluation approach.

Multiple documents exist that can be provided upon request. Each year the Company will develop an Annual EM&V Plan, in consultation with the Conservation Resource Advisory Group (CRAG), which will contain an evaluation schedule, budgets, and evaluation summaries for the upcoming year. In addition, contemplated evaluation activities up to three more years in the future will be included. Another resource is PSE's Annual Conservation Plan, which describes the relationship between Energy Efficiency Services program implementation, and portfolio, program and measure evaluation. PSE will provide the CRAG with an opportunity to review and advise the Company on the Annual Conservation Plan and the associated Annual EM&V Plan consistent with applicable conditions.

This EM&V Framework is intended to outline a comprehensive EM&V process that results in transparent and accessible documentation and reporting of PSE's energy efficiency program activities. Thus, the Framework provides an overarching approach to EM&V; principles, objectives, metrics, methods and reporting. It is anticipated that PSE will need to allow flexibility for evolving EM&V needs and requirements over time, and to allow stakeholder review of overarching EM&V processes, annual EM&V plans, and specific EM&V activities at appropriate junctures. Thus, this initial version of the Framework is very much a "living document" that may require modifications over time. See Figure 1, page 11.

Overview of Puget Sound Energy's EM&V Processes

This document describes PSE's approach to evaluations of DSM energy efficiency measures, programs, and portfolio funded by Schedule 120 as approved by the Washington Utilities and Transportation Commission (UTC).

Evaluations will be planned, conducted and reported in a transparent manner, affording opportunities for Commission and stakeholder review through the CRAG and reported to the UTC.

An Annual EM&V Plan establishing priorities for evaluation activities, including budgets and schedules, will be prepared each year as part of PSE's Annual Conservation Plan and filed with the UTC as noted in Table 1 and Table 3. PSE will work with the RTF, NEEA and other regional parties that are conducting EM&V activities to assess the potential for coordination and collaboration in the preparation of the Annual EM&V Plan. These plans will include a summary of each scheduled evaluation activity, whether the activity will be performed by an external evaluator or the Company's internal evaluation team. They will also include details regarding the evaluation goals, scope, level of effort, and budgets, as well as the general approaches to be utilized for conducting impact, process, market and cost-effectiveness evaluations. The Company will work closely with the CRAG on the development of this annual EM&V Plan.

Other documents including project scopes, requests for proposals, detailed research plans and draft and final reports will be prepared for each major EM&V activity. Any or all of these documents will be available for review by the CRAG, as desired. The detailed research plans will define and address issues related to evaluation metrics and the level of effort, budget, baselines, approaches, sample designs, and certainty and reporting expectations associated with individual evaluation activities.

All evaluations will be conducted using best-practice approaches and techniques including those outlined in the National Action Plan for Energy Efficiency (NAPEE) Program Impact Evaluation guide.[1]

PSE developed the Measure Metrics archival system in 2008 in order to have available all relevant measure information for deemed (UES) and calculated measures. Information includes, but is not limited to measure life and cost, engineering assumptions, incentive amount, calculation type and savings value. The system also archives historical information about that measure, enabling revision history queries. PSE maintains well-documented processes for measure creation and revision. The Measure Metrics system is routinely updated throughout the year. The system is specifically not used to track cumulative annual savings.

For ECMs that are not prescriptive, PSE will use standard engineering protocols for ex-ante estimation of savings. See page 24 for a description of protocols used for Custom Measures.

1 National Action Plan for Energy Efficiency (2007). Model Energy Efficiency Program Impact Evaluation Guide. Prepared by Steven R. Schiller, Schiller Consulting, Inc. www.epa.gov/eeactionplan

Through the EM&V activities, key DSM impact metrics will be determined as follows:

- PSE's Implementation Teams will estimate energy and demand savings, document installations and prepare ex-ante savings estimates per measure, project and program, consistent with Measure Metrics and standard engineering protocols.
- PSE's Implementation and Verification Team will also conduct QA/QC activities and follow tracking checks and balances as programmatic M&V.
- PSE's Verification Team will conduct statistically representative verifications of Energy Efficiency projects and measures.
- PSE's internal Evaluation Team and independent external evaluators will conduct evaluations as outlined in the annual EM&V plan.

EM&V activities, including impact, process, market, and cost-effectiveness analysis will be conducted by PSE's evaluation team or external evaluators, according to priorities established with stakeholder input and presented in PSE's Annual Conservation Plan and PSE's Annual EM&V Plan.

Reports from EM&V activities including evaluation of energy and demand savings and cost-effectiveness will be available to the CRAG, and the UTC, consistent with the reporting schedules required by the UTC.

Background

The Company serves customers with broad energy efficiency services and aspires to best practices in all aspects of program offerings, customer outreach, and evaluation. PSE provides a financial incentive for most kWh and/or therm saving ECMs that have a simple payback of over one year for commercial and industrial customers. Similar offerings, through standard offer programs, are available to residential customers. Customers use the rebates and incentives to purchase energy efficiency equipment and weatherization, often provided through an extensive network of trade allies. Over 350 measures are offered to PSE customers through multiple electric and natural gas energy efficiency schedules, authorized by the UTC. Every PSE qualifying measure and program must have an objective analysis to describe how the kWh and therm savings are expected to be cost-effective, how they will be achieved, and how the expectations will be substantiated after installation.

The Company utilizes an external advisory group of stakeholders, the Conservation and Resource Advisory Group (CRAG) to advise the Company on, among other items; 1) development and modification of protocols to evaluate, measure, and verify energy and demand savings in PSE's Energy Efficiency Department programs, and 2) guidance to PSE regarding methodology inputs and calculations for updating cost-effectiveness. Consistent with condition (3)(b), the CRAG meets four times per year (two in person) at a minimum and represents the non-binding external oversight of PSE's EM&V activities.

This document, the "EM&V Framework," was developed in response to the UTC Order No. 5 Electric Settlement Agreement dated September 3, 2010, Docket No. UE-100177 and is intended to provide overall guidelines including principles, objectives, responsibilities, methods and reporting requirements to direct PSE's energy efficiency EM&V activities. The document is updated in compliance with Order 01 of Docket No. UE-111881.

The roles for PSE, CRAG, External Evaluators, and Washington Utilities and Transportation Commission are listed in Figure 4, Page 32.

Evaluation Principles, Objectives and Metrics

Evaluation, Measurement and Verification (EM&V) is a catch-all term used in energy efficiency literature to represent the determination of both program and project impacts. Evaluation includes the performance of studies and activities aimed at determining the effects and improvement of a program.[2]

Measurement and verification (M&V) refers to "Data collection, monitoring, and analysis associated with the calculation of gross energy and demand savings from individual sites or projects. The Verification Team performs verifications in statistically representative quantities, and will do additional Quality Control checks in response to Program Manager requests. Additional measurement and verification activities may also be carried out separately as elements of program evaluations.[3]

There are two key objectives of evaluations:[4]

- To document and measure the effects of a program and determine whether it met its goals with respect to being a reliable energy resource.
- To help understand why those effects occurred and identify ways to improve or discontinue current programs, and develop future programs.

Energy efficiency evaluations will develop prospective estimates of energy savings attributable to a program in a manner that is defensible in regulatory proceedings that are conducted to ensure that funds are properly and effectively spent. In addition, evaluation should go beyond documenting savings to actually improving programs and providing a basis for future savings estimates.[5]

Thorough evaluations result in programs that are more cost-effective and better managed.

There are two basic categories of evaluations, Outcome and Formative. The Outcome category includes Impact Evaluation, Cost Effectiveness Analysis and Market Effects Evaluation. The Formative category includes Process Evaluation, and Market Evaluation as defined below:

- **Impact Evaluations** determine the impacts (e.g., energy and demand savings) and co-benefits (e.g., avoided emissions, health benefits, job creation, energy security, transmission/distribution benefits, and water savings) that directly result from a program. Impact evaluations also support cost-effectiveness analyses aimed at identifying relative program costs and benefits.
- **Cost Effectiveness Analysis** is the exercise to determine the cost effectiveness of programs and measures from various viewpoints including Utility Cost, Total Resource Cost, Ratepayer Impact Measure and Participant Cost.

2 National Action Plan for Energy Efficiency (2007). Model Energy Efficiency Program Impact Evaluation Guide, Appendix B: Glossary. Prepared by Steven R. Schiller, Schiller Consulting, Inc. www.epa.gov/eeactionplan

3 Id.

4 National Action Plan for Energy Efficiency (2007). Model Energy Efficiency Program Impact Evaluation Guide, page 2-1. Prepared by Steven R. Schiller, Schiller Consulting, Inc.

5 Id.

- **Process Evaluations** assess program delivery, from design to implementation, in order to identify bottlenecks, efficiencies, what worked, what did not work, constraints, and potential improvements. Timeliness in identifying opportunities for improvement is essential to making corrections along the way.
- **Market Evaluations** are studies designed to assess ECM baselines and costs, market actor needs and preferences, free-ridership and spillover.
- **Market Effects Evaluations** assess transformation, or estimate a program's influence on encouraging future energy efficiency projects because of changes in the energy marketplace.

This Framework, and the industry as a whole, focuses on evaluations and the measurement and verification of demand and energy savings associated with specific programs. The results of impact evaluations will follow through to cost-effective analysis which is typically an extension of evaluation activities. Process and market evaluations are very important for prudent program management and will be performed to create best practice portfolio planning, and implementation. Process and market evaluations will accompany impact evaluations in all cases where such studies add pertinent value. Program evaluations will be planned on a four year schedule or cycle. Occasionally, special evaluation projects that may arise from regional or other interests will be interspersed within the four year cycle. The CRAG will be consulted on the development of this four year plan.

Transparency

Sound evaluation of energy efficiency programs requires transparency and independence. This results in high quality information on which business/policy decisions can be made. Within customer confidentiality constraints, output from any EM&V activity is available to PSE's external stakeholders.

As a means of facilitating transparency in its internal processes, the Company develops and maintains thorough documentation of its processes and related activities. PSE also follows the International Performance Measurement and Verification Protocol (IPMVP)[6] for program evaluations.

Budget

The EM&V budget includes reasonable costs for market, process, and impact evaluations including evaluations conducted both by internal PSE staff and by external evaluators. Allocation of annual EM&V budgets between market, process and impact analyses (and internal and external activities) will be described in each year's Annual EM&V Plan.

6 The International Performance Measurement and Verification Protocol, Volume 1 is available at: http://www.evo-world.org/ .

A full report on EM&V expenditures and activities for the prior year will be part of the Annual Report on Energy Efficiency Acquisition. This information will include a description of the EM&V studies completed and/or underway during the reporting cycle with reporting of the type of evaluations, whether they were conducted by internal staff or external evaluators, the program or programs studied, and the evaluation budgets and scopes.

Initiative 937 (I-937), the Energy Independence Act, and subsequent Commission Orders in Docket Nos. UE-100177 and UE-111881 call for budget requirements for evaluation of programs. PSE is committed to evaluation spending consistent with the applicable conditions.

PSE is also compliant with condition (6)(e) in documenting Programmatic M&V activities regarding policies, protocols, guidelines, processes, costs and consistency with regional peers.[7]

Goals, Priorities and Guiding Principles

PSE has committed to evaluate all major programs over a multiple year cycle. Program evaluations are expected to follow in that prescribed schedule. There may be deviations from this schedule as a result of new or changing programs or regional influences such a code changes or the advent of new technologies that may need evaluation support in any given year. PSE will keep the CRAG informed of upcoming evaluation projects as changes to the schedule arise.

The goal of evaluation planning is to spend the least money necessary in order to adequately ascertain the best value savings estimates and mitigate the risk of either under or over-reporting savings. Evaluation planning identifies the types of evaluation information that is crucial to different stakeholders. The Company intends to prioritize EM&V resources based on consideration of the following issues:

- Size of the project or program: (e.g. a site-specific project with an incentive payment over $50,000.00 or a prescriptive program that provides more than 25% of the savings for a particular sector would increase the EM&V prioritization);
- Uncertainty regarding the results: Resource characteristics that are known within relatively tight confidence intervals are less of a priority for EM&V efforts than those that are relatively uncertain. For instance the certainty of a hard wired measure change may be high for the kW reduction effect but may be low for the hours of operation variable;
- Criticality of the resource characteristic: The sensitivity (or insensitivity) of a resource characteristic to particular factors like load, operating hours, operating time, weather, or seasonality of operation can be important considerations;
- Impact upon regulatory processes or regulatory oversight: Information necessary for regulatory oversight will receive a higher EM&V priority than information that is not necessary for that purpose, all else being equal;

[7] The International Performance Measurement and Verification Protocol, Volume 1 is available at: http://www.evo-world.org/

- Timing: Information that would have value in improving an ongoing program would have higher precedence;
- Cost of measurement: Cost of EM&V should be optimized. Alternative approaches should be considered when the value of incrementally better data is less than the cost of that data; and,
- Timeliness is an important consideration for planning evaluations. EM&V should be undertaken in a manner that is designed to provide important information in a timely fashion for regulatory reporting, program planning and/or improvement, and other needs.

External evaluators will often be retained to perform impact evaluations, in compliance with applicable conditions. At a minimum these evaluations will be performed over a maximum four year EM&V cycle, such that all major programs are covered as stipulated in regulatory conditions. External consultants may also be retained to evaluate PSE's Energy Efficiency Department program processes and market conditions. Additional evaluation activity may be conducted as deemed appropriate for program management or planning purposes.

In addition, when choosing and planning evaluations the following guiding principles will be taken into consideration:

- Leverage secondary research as appropriate with modifications as deemed (UES) necessary and useful;
- Expert review of evaluation design throughout the planning and implementation of these activities;
- All key assumptions used by program planners will be documented and eventually verified in evaluations;
- The procurement process used to select evaluation contractors is timely, flexible and transparent;
- Prioritize evaluation dollars and efforts on areas of largest savings and/or greatest uncertainty; and,
- Over time, evaluations are used to refine input assumptions used in savings estimation and resource analysis in order to improve program delivery.

Captured Data/Metrics

Critical portfolio metrics to be evaluated are as follows:

Annual energy acquisition, gross kWh and therms, to include, where possible and necessary, load shape, system and customer capacity, system coincident kW, measure life, non-energy benefits, energy savings degradation, existing conditions;

Costs and benefit data for cost-effectiveness analyses including total ECM cost, incremental ECM cost; and,

Other metrics or combinations as requested by the UTC, such as:

- Market characterization and transformation attributes for measures and programs that may include, but are not limited to, product price and availability, trade ally assessments, market saturation, customer satisfaction, customer participation, incremental costs, and the effects of codes, standards and prices; and,
- Other information necessary for portfolio management including technology assessments, measure persistence, lost opportunities, geographic equity, customer class equity, budget targets, targets per customer class, number of customers served, and information useful for system planning.

Evaluation Cycle

As described in this EM&V Framework, PSE will perform EM&V annually on a maximum four year schedule of selected programs such that all major programs are covered appropriately over time, in accordance with regulatory conditions. On the following page is the hierarchy of documents outlining planning steps for each evaluation cycle (see Figure 1, page 11).

- EM&V Framework – This document is designed to remain in place until superseded by regulatory modifications or changed by CRAG processes.
- The Annual Conservation Plan will include an "annual EM&V Plan" section[8] indicating which major evaluation activities (e.g., updating baselines, updating deemed (UES) savings values and describing planned program evaluations) will be conducted during the year, including the specific budget and allocation between programs, measures, segments, and jurisdictions as applicable, and a current 4-year evaluation schedule (See Appendix 1, the 2013 EM&V plan).
- The Annual EM&V Plan will include, where feasible, input from other regional parties such the RTF, NEEA and others that are conducting EM&V activities to coordinate and collaborate in evaluation activities.
- The annual EM&V Plan[9] ("Exhibit 6" in the Biennial Conservation Plan) will include summaries of each scheduled evaluation activity, whether the activity will be performed by an external evaluator or PSE's internal evaluation team, and details regarding the evaluation goals, scope, level of effort, budgets as well as the general approaches to be utilized for conducting impact, process, market and cost-effectiveness evaluations. PSE will work closely with the CRAG on the development of the annual EM&V plan.

8 In even-numbered years, the Evaluation Plan included with the Annual Conservation Plan will focus on a complete two-year cycle, with the addition of annual budgets. In odd-numbered years, the Annual Evaluation Plan will be a separate document and cover only the odd-numbered year, as evaluation priorities and needs are updated over time.

9 The 2011 Annual Conservation Plan provided only the 2011 Evaluation Plan, as the EM&V Framework was in development at the time of the filing.

- Research Plans – Also referred to as Scopes of Work will be created for each EM&V project planned in a given cycle (impact, process and market effects evaluations). New DSM programs will include a research strategy at launch of the program. The research strategies will address issues related to evaluation metrics and the level of effort, budget, baselines, approaches, sample designs, certainty and reporting expectations associated with individual evaluation activities.

Figure 1: EM&V Planning Cycles and Documents

	EM&V Framework*	Annual EM&V Plan	Planning and Oversight Documents for Specific EM&V Activities
Document(s)	EM&V Framework	Included as a section in PSE's Annual Conservation Plan	Program Performance Reports Measure Metrics Database Work scopes Research Plans Key issues requiring oversight Draft and Final Reports EM&V Protocols
Contents	The overall structure and process for EM&V Objectives and Principles Baseline Definition Evaluation Approaches Certainty External Evaluation	EM&V activities proposed for a given cycle: High level description of each major scheduled activity summarizing: Scale Scope Methodology Budgets Schedule Summary of EM&V-based program changes	Details regarding specific EM&V projects or activities including impact, process, market and planning studies. Measure Metrics will provide current and historical savings, measure costs and measure life values. Custom and the majority of calculated measure values will be individually calculated at a project-level basis and will be referenced as applicable.
Schedule	The Framework remains in place indefinitely, but may be updated as needed	Prepared annually, submitted with the Annual Conservation Plan by November 1 of each year.	Prepared for each significant EM&V activity and/or prepared as a resource document
Reviewers[10]	CRAG	CRAG	CRAG
Filed with Commission[11]	Yes	Yes	No

10 of the above listed document

11 See Figure 4 on page 25 for more details on roles and responsibilities

Impact Evaluation Methods and Key Assumptions

An Impact Evaluation is designed to measure the directly induced changes in energy and/or demand usage attributable to an energy efficiency program. This section describes PSE's considerations when planning and conducting an impact evaluation.

Ex-Ante versus Ex-Post

Impact evaluations focus on estimating the amount of energy and demand savings the program actually creates. Estimates of actual savings are ex-post[12] savings, program savings that can be documented after program implementation. The initial design and review of prospective programs will be based upon ex-ante savings[13], the savings that are *expected* to be delivered by the program. After implementation of the program, annual savings are based on ex-post evaluations, the estimated energy savings that are actually caused by the program. These savings may change over time. Ex-post savings, documented via an impact evaluation, can vary significantly from projected ex-ante savings.

To capture ex-post savings estimates in the most consistent and informative way, PSE seeks to assess ex-post savings estimates based on conditions at the time of ex-ante savings calculations, as well as observed at the time of the evaluation. This methodology allows for best assessment of various factors affecting measure persistence. Over time, impact evaluations will help refine ex-ante savings estimates to improve their accuracy.

Evaluation Standards

The primary purpose of impact evaluations is to obtain the most accurate and unbiased estimate of energy and demand savings due to a program. The Company's specific evaluation methods will be founded on industry best practice, based on applicable industry reference documents (e.g., NAPEE Guide, IPMVP). PSE will observe the following principles in its oversight of impact evaluations:

- Evaluators should be impartial in their work and not have their compensation tied to evaluation results.
- Evaluators are expected to follow ethical guidelines (as documented in the American Evaluation Association's Guiding Principles for Evaluators, which call for: systematic inquiry, competence, integrity and honesty, respect for people, and responsibility for general and public welfare.)[14]
- Transparent methods to estimate savings and impacts will be reviewed in various forums to increase quality and reliability. These include: CRAG, RTF, NWRG, and similar forums which will be used to review methods and results.

12 Ex-post evaluation estimated savings: Savings estimates reported by an evaluator after the energy impact evaluation has been completed. (From Definitions section)

13 Ex-ante savings estimate: Forecasted savings used for program and portfolio planning and tracking purposes. (From Definitions section)

14 American Evaluation Association (AEA), Guiding Principles for Evaluators, http://www.eval.org.

- All key assumptions used by program planners are eventually verified in evaluations.
- Majority of evaluation dollars and efforts are in areas of greatest importance or uncertainty.

Approaches for Estimating Savings

Impact savings will be estimated using one of the following approaches:

Measurement and verification (M&V) - Four IPMVP options, A, B, C and D are used to estimate savings from selected projects and the resulting savings may be applied to an entire population or program using statistical analyses.

Statistical analyses of large volumes of metered energy usage data (e.g., billing analyses).

Deemed (UES) Savings – use of an estimate of savings developed by data sources and analytical methods that are widely considered acceptable in the industry (as documented for example by the Regional Technical Forum or in PSE's Measure Metrics Database. This approach is only valid for measures with fixed operating conditions and proven history of substantiated evaluations.

Irrespective of which of the above approaches are utilized for EM&V, all measures will be available for inspection by external evaluators to confirm their installation. In some cases measures will be inspected to confirm that they were not only installed, but also installed per specification and that they are properly operating. Also, in some cases, such as large-scale custom measures/projects, baseline inspections will also be conducted.

Baseline

Baseline is a reference to existing energy use conditions that would have occurred without implementation of an energy efficient project or program. This may include standard practice, business-as-usual or code conditions. Baseline energy use values are key to a reasonable quantification of energy savings during a particular period as both codes and standard practices evolve over time.

Gross savings are estimated by comparing energy use and demand after a program is implemented (the reporting period) with what would have occurred had the program not been implemented, i.e. the baseline. A common set of conditions (e.g., weather, operating hours, building occupancy) are used for estimating gross energy savings. These conditions are then adjusted so that only program effects are considered when determining savings.

Considerable care needs to be taken in determining the baseline used for impact evaluations. The baseline is key to estimating the savings achieved. Evaluators will use or determine baselines based on common practice, or codes and standards. Baselines can be defined as follows:

- Project-Specific Baseline: defined by specific technology or practice that would have been pursued, at the site of individual projects if the program had not been implemented which tends to be existing equipment for early replacement programs.

- Performance Standard Baseline: defined to avoid project specific determinations, and tends to be codes, standards, or common practice instead of trying to ensure the overall addition of quantified energy and demand savings, and/or avoided emissions.[15]
- PSE will include baseline information in the detailed impact evaluation research plans as well as for deemed (UES) savings values for prescriptive measures.

PSE will follow the methodology outlined in the Guidelines for the Development and Maintenance of RTF-Approved Measure Savings Estimates as it relates to baseline for Deemed (UES) and Standard Protocol Measures.

Uncertainty

Uncertainty is defined for our purposes as the range or interval of doubt surrounding a measured or calculated value within which the true value is expected to fall within some degree of confidence.[16] EM&V resources will be deployed in a manner that provides the best value in terms of information that is required for oversight, market assessment, and program targeting, improvement, and planning. The level of investment put towards evaluation usually has a direct correlation to the amount of certainty achieved. One of the trade offs in evaluations is thus between the costs expended and the uncertainty level. Results from an evaluation will be reported with the level of uncertainly or error rate defined and explained. There are two types of errors, systematic and random, which are described below:

Systematic errors are those that are subject to decisions and procedures developed by the evaluator and are not subject to "chance." These include:

- Measurement errors, arising from meter inaccuracy or errors in recording an evaluator's observations;
- Non-coverage errors, which occur when the evaluator's choice of a sampling frame excludes part of the population;
- Non-response errors, which occur when some refuse to participate in the data collection effort; and,
- Modeling errors, due to the evaluator's selection of models and adjustments to the data to take into account differences between the baseline and the test period.

Random or Sampling errors,[17] those occurring by chance, arise due to sampling rather than taking a census of the population. In other words, even if the systematic errors are all negligible, the fact that only a portion of the population is measured will lead to some amount of error. Random errors are sometimes called sampling errors.

15 Schiller Consulting

16 Id

17 Id

Evaluators are expected to control for systematic error through best practices and control random error by striving for a 90/10 confidence and precision level (using a two-tailed test[18]) and requiring an 80/20 confidence level if sampling requirements can be shown to be unrealistic. Deviations from these specifications may be permitted with justification and review by the CRAG. The Evaluation report will discuss all aspects of uncertainty and the decision process that determined sample size and confidence/precision level achieved.

Persistence

Persistence is how long the energy savings are expected to last once an energy efficiency activity has taken place.[19] A component of an impact evaluation should consider whether the savings from the project change over time. These changes can be attributable to retention and performance degradation.[20] Effective useful life (EUL) or Measure Life is a term often used to describe persistence. EUL is an estimate of the median number of years that the measures installed under a program are still in place and operable.[21]

In most cases, persistence of savings will be determined using historical and documented persistence data, such as manufacturer's studies or values contained in the Regional Technical Forum database. However, if deemed (UES) necessary, PSE may also utilize laboratory and field testing of the performance of energy-efficient and baseline equipment, field inspections over multiple years, and/or other various methods such as telephone surveys and interviews, analysis of consumption data, or use of other data (e.g., data from a facility's energy management system).

Net Savings

Net Savings is recognized in the industry as Gross Savings minus free-riders plus spillover. Free-riders are customers who would have installed the efficient measure or changed a behavior regardless of a program's incentive. Spillover is reduction of energy consumption caused by the presence of an energy efficiency program, beyond the program-related gross savings of participants influenced by incentives. There can be participant spillover and non-participant spillover.

18 Two-tailed tests require larger sample sizes than one-tailed tests as assessing two directions at the same time requires a greater investment. A one-tail test can be used only when there is strong proof that it is appropriate to do so, e.g., only ensuring that values of concern are not over estimated, versus under-estimated, is important.

19 Model Energy Efficiency Program Impact Evaluation Guide. Prepared by Steven R. Schiller, Schiller Consulting, Inc. www.epa.gov/eeactionplan

20 Market progression is when the rate of naturally occurring investment in efficiency increases and can be considered to erode the persistence of earlier first year savings. An example of a cause of market progression is energy price effects—higher energy costs resulting in higher levels of efficiency. Model Energy Efficiency Program Impact Evaluation Guide. Prepared by Steven R. Schiller, Schiller Consulting, Inc. www.epa.gov/eeactionplan

21 Model Energy Efficiency Program Impact Evaluation Guide. Prepared by Steven R. Schiller, Schiller Consulting, Inc. www.epa.gov/eeactionplan

Non-participant spillover is defined as savings from efficiency projects implemented by those who did not directly participate in a program, but which nonetheless occurred due to the influence of the program. Non-participant spillover may be prohibitively costly to estimate.

Participant spillover is defined as additional energy efficiency actions taken by program participants as a result of program influence, but actions that go beyond those directly subsidized or required by the program. Though spillover is a positive influence of a program, high levels of free-ridership in a program may not be desirable if incentives are not applied equitably.[22]

Consistent with condition (10)(c), PSE does not estimate net savings for a program or portfolio since the Net-to-Gross ratio is set at 1.0 for cost effectiveness analysis. However, the Company will examine program spillover and free-ridership when it is feasible to do so, for program design purposes.

Free-ridership and spillover may be determined using one or more of the following approaches:

- Self-reporting surveys in which information is reported by participants or non-participants without external verification or review,[23]
- Enhanced self-reporting surveys in which self-reporting surveys are combined with interviews and documentation review and analysis,
- Statistical models that compare participants' and non-participants' energy and demand patterns,
- Customer adoption models applied to specific markets.

22 There may be cases were a high rate of free-ridership may be warranted if the case can be made that the program is having a positive effect in transforming the market.

23 Self-reporting surveys have been shown to be inaccurate in identifying Free-Ridership. Enhanced Self-Reporting Surveys are preferred.

Cost Effectiveness

PSE's cost-effectiveness evaluations compare program (and portfolio) benefits and costs, showing the relationship between the value of a program's outcomes and the costs incurred to achieve those benefits. The findings are used to help program manager's judge whether to retain, revise, or eliminate program elements and provide feedback on whether efficiency is a wise investment as compared to energy generation and/or procurement options. PSE cost-effectiveness calculations are consistent with conditions (10)(a) and (10)(b), including methodologies and definitions contained in the NAPEE document Understanding Cost Effectiveness of Energy Efficiency Programs.[24]

A primary test for the UTC is the Total Resource Cost (TRC) test as modified for electric programs by the Northwest Power & Conservation Council. The TRC test measures the net costs of an Energy Efficiency Department program as a resource option based on the total costs of the program, including incremental measure cost[25] and the utility's non-incentive costs to deliver the program. The TRC ratio equals the benefits of the program, in terms of value of energy and demand saved plus non-energy benefits, divided by the costs to obtain the energy or demand savings. The Company calculates the ratio on a life-cycle basis considering savings and costs that accrue over the estimated lifetime of installed energy efficiency equipment and systems. PSE also calculates the Program Administrator Cost test (PACT), also known as the Utility Cost (UC) test, Participant Cost (PCT) test, and Ratepayer Impact Measure (RIM) test. The four tests are illustrated on the following page in Figure 2 with their costs and benefits listed.

24 National Action Plan for Energy Efficiency (2008). Understanding Cost-Effectiveness of Energy Efficiency Programs: Best Practices, Technical Methods, and Emerging Issues for Policy-Makers. Energy and Environmental Economics, Inc. and Regulatory Assistance Project.

25 Other costs such as tax credits are transfer costs as are incentives, and not included the TRC test.

Figure 2: Cost-Effectiveness Tests

	TRC	PACT or UC	PCT	RIM
Avoided Costs	Benefit	Benefit		Benefit
Customer Bill Savings			Benefit	Cost
10% Power Act Credit	Benefit			
Quantified Non-Energy Benefits	Benefit			
Un-quantified Non-Energy Benefits	Benefit (some cases)			
Incremental Measure Cost	Cost		Cost	
Program Overhead Cost	Cost	Cost		Cost
Incentive Cost		Cost	Benefit	Cost

Source: NAPEE (2008), Understanding Cost-Effectiveness of Energy Efficiency Programs, Table 3-2, with addition of Power Act Credit for TRC

Process, Market and Market Effects Evaluations

Process, Market, and to a lesser extent Market Effects Evaluations may encompass all rider or tracker-funded programs and activities whether PSE claims energy savings or not. For example informational programs may need examination to determine and guide overall effectiveness, and ensure customer value and satisfaction.

Process Evaluations

Process evaluations of the Company's Energy Efficiency Department programs will involve systematic assessments of programs or internal operations for the purposes of documenting program operations at the time of the examination, and identifying and recommending improvements to increase the program's efficiency or effectiveness for acquiring energy resources while maintaining high levels of participant satisfaction. The primary mechanisms used for process evaluations are data collection via surveys, questionnaires, and interviews to gather information and feedback from administrators, designers, participants (e.g., facility operators or residential customers), implementation staff (including contractors, subcontractors, and field staff), and key policy makers. Other elements of a process evaluation can include creation or updating program theory and logic models, process mapping, workflow and productivity measurements, reviews, assessments, and testing of records, databases, program-related materials, and tools.

Market Evaluations

Market evaluations are systematic assessments of changes in the structure or functioning of a market, or the behavior of participants in a market, that result from one or more program efforts or due to other factors. Market evaluations will usually consist of surveys, reviews of market data, and analysis of the survey results and related data. These studies may focus on estimation of measure costs, assessment of baselines and market potentials, and requirements of market actors that are key to program delivery.

Market Effects Evaluations

Market Effects Evaluations are designed to assess market transformation, or estimate a program's influence on encouraging future energy efficiency projects because of changes in the energy marketplace. These studies may rely on surveys and interviews with upstream market actors, or track sales or retail stocking practices.

Deemed (UES) Measures

PSE developed the Measure Metrics archival system in 2008 in order to have available all relevant measure information for prescriptive or deemed (UES) and calculated measures in a central, easily-accessible location. Archived information includes, but is not limited to measure life and cost, engineering assumptions, incentive amount, calculation type and savings value. The system allows authorized Energy Efficiency Department staff to view a single measure's detail, a program's portfolio of measures, measures by fuel type or a complete list of Energy Efficiency Department prescriptive measures, also referred to as deemed (UES) measures.

The UES method is appropriate for measures whose unitized savings, (e.g., savings per lamp or motor), is stable (both the mean and variance) and can be reliably forecast through the period defined by the measure's sunset criteria. The UES method reduces program delivery cost by simplifying the data that must be collected. Programs are only required to collect a verified count of delivered units, plus the information needed to assign a specific application of the measure, (e.g., single family residence with forced air furnace west of the Cascades), to the correct UES. Delivery is defined by the specification of each measure and its specific applications. Total savings is the UES multiplied by the number of delivered units.

There are clearly defined protocols for revising deemed (UES) measures, creating new deemed (UES) measures and retiring deemed (UES) measures. Each deemed (UES) measure must be accompanied by a business case, a source of savings outline, a complete analysis or substantiation of its savings value, its measure cost, and estimated life.

Whether reviewing its electronic or hard-copy version, authorized staff will have access to the same set of information. When a user is viewing electronic files, the most up-to-date data is displayed. Hard copy files contain all information, going back as far as possible for the measure's existence.

Measure Metrics will contain two general categories of information:

- RTF Deemed (UES); prescriptive savings whose values have been evaluated and deemed (UES) by the Regional Technical Forum
- PSE Deemed (UES); Prescriptive savings who values may be based on:
    - RTF values and adjusted for specific PSE service territory characteristics based upon reliable data sources.
    - Engineering studies and impact evaluations.
    - PSE impact evaluations.

Specific predetermined ex-ante savings estimates – When such values can be defined with sufficient certainty, energy savings and demand reductions values and calculation assumptions for specific natural gas and electricity efficiency measures. Examples would be PSE's prescriptive residential gas furnace program or residential CFL indoor lamps. This category is further divided into RTF Deemed (UES) and PSE Deemed (UES) measures.

- RTF deemed (UES) measures are those that are substantiated by RTF calculations. Where applicable, PSE will utilize this measure category as the default for prescriptive measures.
- PSE deemed (UES) measures are those that are substantiated by Impact evaluation studies or engineering calculations that meet generally accepted industry standards. PSE deemed (UES) measures may have some basis in RTF deemed (UES) measure calculations. For instance, installation rates for showerheads, as determined through customer surveys, may be different in PSE's Service territory[26] than in other northwest states. Therefore, as appropriate PSE may elect to adjust an RTF value in order to develop a PSE deemed (UES) savings, based on an impact evaluation study or engineering calculation.
- Provisional status of a measure is recognized by the RTF to denote a measure for which the energy savings, though highly likely, is not known with confidence. PSE will recognize such measures and comply with RTF Guidelines regarding the qualification and requirements of provisional status.

Evaluation documents that support PSE assumptions. Documents include:

- Evaluation studies; either conducted by PSE evaluation staff or external evaluators.
- Evaluation Report Responses, which are used to ensure that evaluation studies result in some Measure Metrics notation; either an energy savings, incentive or delivery adjustment, or no adjustment at all.

Measure data included in the Measure Metrics system may consist of:

- Descriptions of the base efficiencies, which may include engineering and/or industry-level engineering assumptions and applicability conditions;
- kWh or therm savings;
- Hours of operation;
- Measure life;
- Incentive level (as applicable) for which eligible customers may qualify;
- The measure's description as it appears in PSE's Exhibit 4: The Energy Efficiency Department List of Measures, Incentives and Eligibility;
- Information required for cost-effectiveness tests including incremental measure costs, simple payback period, etc.

26 "2008 Shower Head Installation Rate Report," Bobette Wilhelm, author.

External evaluators may review the data in the Measure Metrics system during the initial evaluation cycle covered by this EM&V Framework, and periodically thereafter as determined by EM&V priorities outlined in PSE's Annual EM&V Plans.

Standard Protocol Measures

A standard protocol method is appropriate when savings from a measure are widely varying but can be determined by a standardized procedure for data collection and analysis that is applicable to many different end-use sites. Standardization of data collection reduces cost by eliminating or minimizing the need for site-specific measurement planning. Standardization of the analysis procedure also reduces the planning burden and ensures uniform quality in the analysis product.

Standard protocols support estimation of savings for a measure at specific end user sites. The extent of data collection and analysis required by the protocol is the minimum level needed for reliable savings estimation. Standardization of data collection reduces cost by eliminating or minimizing the need for site-specific measurement planning. Standardization of the analysis procedure also reduces the planning burden and ensures uniform quality in the analysis product. Standardization reduces the skill level needed to reliably estimate savings.

Provisional Measures

There is a fourth measure category referred to by the RTF as Provisional. Rather than a measure category, it is more a transitory condition of a measure likely to become an active Deemed (UES) Measure or a Standard Protocol Measure. Provisional savings estimation methods are those which PSE approves with special conditions requiring the collection of data from all or a sample of specific measure applications. These data are used by PSE to improve the reliability of the savings estimation method. PSE may or may not claim savings from a measure under provisional conditions.

Custom Measures

Custom measures are those which do not fit the “deemed (UES)” or “calculated” measure categories. Ex-Ante savings estimates are based on rigorous engineering protocols. Custom measures are not currently documented in Measure Metrics.

Characteristics of Custom Measures

Custom protocols are appropriate for measures that require site-specific data collection and analysis in order to develop a reliable estimate of savings. Site-specific conditions are unique to each site, and highly variable from site to site. Often Custom Measures are complex (e.g. includes multiple components of a system; a project may include multiple systems or may interact with other systems; a project may save both electricity and gas; etc.).

Developing a Site-Specific Business Case for Custom Measures (Project Scope)

The Project Description typically includes:

- General site information and background sufficient to put project into context,
- Detailed proposal from customer and/or contractor,
- Initial site inspection or audit collects relevant baseline data and/or verifies existing conditions represented by contractor and/or customer (e.g. observations, short-term measurements of loads, run-time, trend logs, sketches & photos, etc),
- Clear description of Baseline condition and Proposed Measure(s),
- Relevant discussions: e.g. custom calculation approach, Energy Code requirements, unique site-specific considerations, etc.,
- Summary of key results and metrics (savings, incentive amount, measure life, load shape, measure cost, TRC, baseline energy use, percent savings, payback).

Custom Ex-Ante (forecasted) Energy Calculations must use generally accepted engineering protocols. Project Cost is typically based on the contractor’s bid. The business case must also include an incentive calculation and cost effectiveness discussion, and a custom M&V Plan. A QC Review by a senior-level engineer is required for all custom measures.

Available Documentation

Available documentation of Custom Measures and Projects includes:

- Scope of work or Business Case,
- Customer SYstem solutions (CSY) (or service provider equivalent) log sheet,
- Incentive calculation,
- Detailed energy calculations,
- Measure cost documentation,

- Measure details (detailed contractor proposal, product specifications, etc.),
- Customer billing history,
- Post construction verification of the installed measure, including re-calculated savings if actual project or equipment-related conditions are different than previous ex-ante savings assumptions,
- Project invoices and payment request.

Data Management

Energy Efficiency Department employs a combination of proprietary and licensed software applications to accumulate, validate and report financial and energy savings figures with a high degree of integrity and accuracy. Some are used strictly for Residential Sector reporting, others are primarily Business Sector focused. The Energy Efficiency Department Residential tracking database also maintains information on some Business measures, used by multifamily projects. Corporate systems, such as SAP, are used for all financial activity within the department. All come into play, though, when Energy Efficiency Department presents data to its stakeholders.

The descriptions provided below and the diagram, Figure 3 on the page 28, provides background on what the systems do, how they assemble data and how the data is processed to the resulting reports. It is important to note that many business tools; spreadsheets, flowcharts, checklists, etc., utilized by individual programs or Energy Efficiency Department staff members that feed some of those listed here are not outlined in this document.

SAP (Systems, Applications, and Products in Data Processing) – SAP is a large multinational software development and consulting corporation located in Germany. The PSE SAP system is used mainly for HR, Contracting, inventory control and General Accounting. Energy Efficiency Department interacts with the system thru timesheets, contract/invoicing, and by assigning costs against order numbers. Program costs are tracked and reported from SAP.

CIS (Customer Information System) a new CIS module within SAP replaced PSE's former CIS, ConsumerLinX (CLX) on April 1, 2013. CLX was a PSE application that manages customer information and tracks outages.

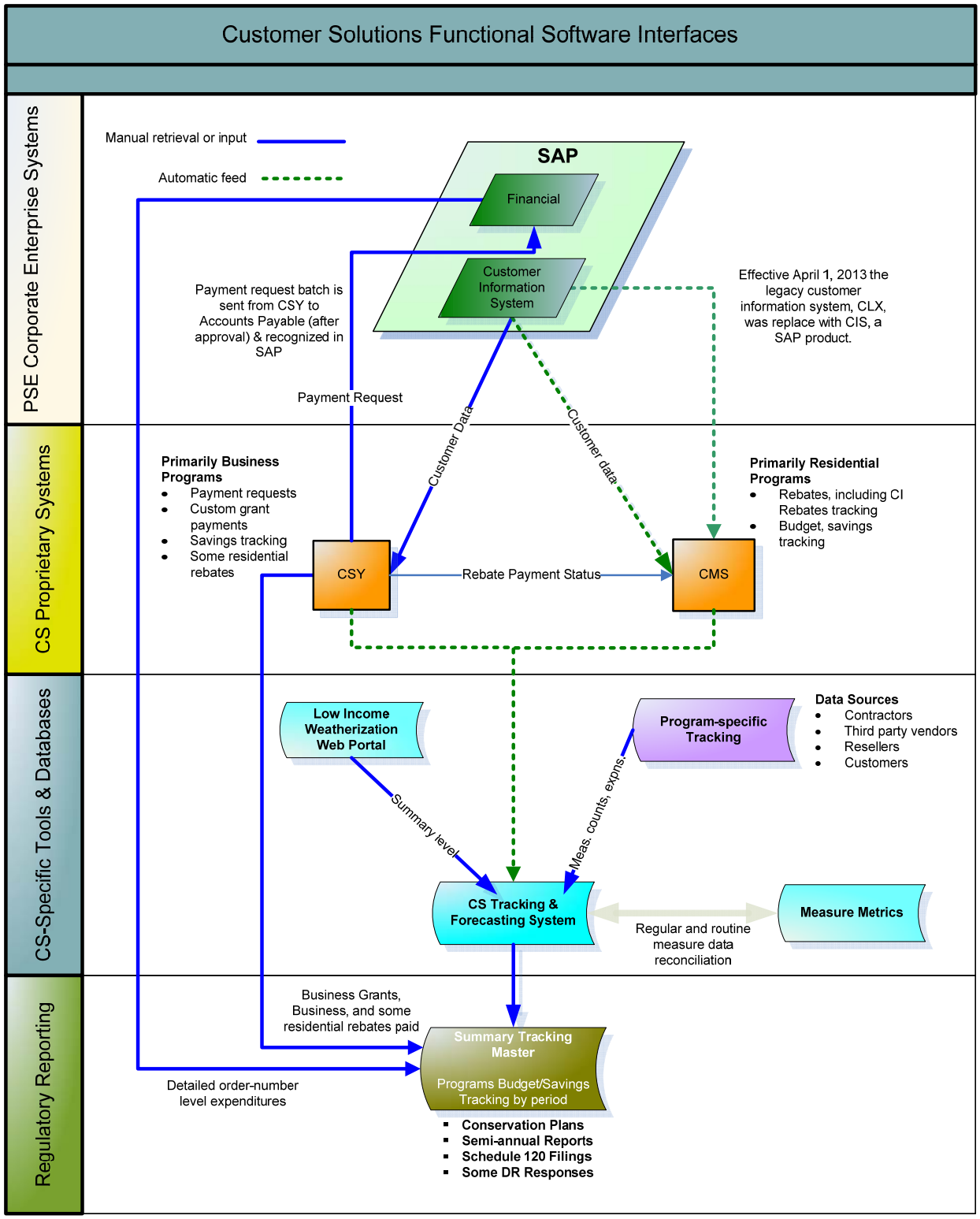
CSY (Customer SYstems solutions) – A PSE-created system with two distinct functional areas: Custom Grant Programs and Customer Rebate Programs. The system is used to track the status of Custom Grant Projects (from initial estimates, Grant Agreement and Final Payment), and to send payment request information to SAP. Payment information includes custom grants and rebates; both prescriptive and calculated for both Energy Efficiency Department sectors (Residential and Business). Inherent in CSY are metrics such as project and measure energy savings claimed, measure costs and measure lives. Reports from CSY quantify energy savings, measures costs and measure lives of installed measures by program. Most of the commercial measures are tracked in CSY. Some residential measure rebates are tracked in CSY.

CMS (Customer Management System) – Energy Efficiency Department Customer Management System is the primary interface for fulfilling and tracking customers' interactions with EES residential programs and services. Modules include: Literature & Rebate Fulfillment, Contractor Referrals, Rebate qualifying and processing and Energy Efficiency Department Inventory Management. CMS is used to track and report the bulk of residential measures rebated by program as well as some commercial measures.

Energy Efficiency Department Master – Compiles all savings and all financial data relative to Energy Efficiency Department operations in both sectors (Residential and Business). It generates all periodic reports; internal and regulatory.

Measure Metrics Database – This database tracks the development, implementation, life cycle, sunset and retirement of Energy Conservation Measures (ECM). Measure Metrics is the foundation of Energy Efficiency Department Deemed (UES) ECM savings claims. It is Energy Efficiency Service's means of documentation for energy savings justifications for Deemed (UES) ECMs. It also tracks an ECM's cost, life and history of revisions. One important distinction is that the system does not track cumulative savings and program costs; only the basis for prescriptive and calculated measures.

Figure 3: Energy Efficiency Department Tracking and Reporting Interface



Roles and Responsibilities for Conducting and Managing EM&V

Overall EM&V work will be conducted both by the internal PSE evaluation team and external evaluators. External work is defined as work performed by entities outside of PSE. The Implementation Teams is defined as anyone at PSE who has acquisition of energy efficiency targets incorporated into their performance appraisal or goals. The PSE Evaluation and Verification Team do not have the achievement of energy savings goals as part of their performance goals.

The PSE Evaluation Team will normally engage external evaluators to perform program evaluations. Evaluation projects often involve scopes of work beyond what the Internal PSE evaluation team can reasonably perform in a timely manner. External Evaluators may also provide specialized skills required to complete a project. Further, External Evaluators may help alleviate perceived bias in assessing program performance.

Roles of External and PSE Evaluators, and PSE Implementation and Verification Staff

In general, work done for PSE EM&V falls into three categories:

PSE Implementation Teams

- Ex-ante savings site estimates
- Reported savings estimates
- Process tracking
- Data management
- Redacting customer information from reporting
- Assessment of evaluation findings and documentation of resulting program changes in an Evaluation Report Response document that is attached to the evaluation report.

Verification Team

- The Verification Team works closely with the Implementation Teams to perform ongoing, statistically representative verifications of measure installations.
- Report findings to program managers to inform continuous improvement interests in program delivery.
- Review and revise Verification Manual periodically to reflect program additions and changes.

PSE Evaluation Team

- Oversee impact evaluations to determine ex-post evaluated savings and prepare cost effectiveness analysis; determine realization rates.
- Provide support to the Verification Team, as requested.

- Review of EM&V plans
- Design of RFP's for external evaluators
- Preparation of evaluation reporting
- Internal process and market evaluations
- Project management of external evaluators
- Initiation of the Evaluation Report Response process at the completion of the evaluation report

External Evaluators

- Impact evaluations to determine ex-post evaluated savings and prepare cost effectiveness analysis; determine realization rates
- Verification activities
- External process and market evaluations
- Review of internal analysis and evaluations
- Program or Portfolio level energy savings verifications
- Establish and report realization rates
- Review of Measure Metrics (M:M) database and M:M updates as needed

Optional Peer Review – Selected Regional Utilities, NEEA, RTF, ETO, NWRG, etc.

- Review of Evaluation methodologies
- Review of M&V Plans as necessary
- Review of RFP plans as necessary
- Review of M:M and M:M updates as needed

Management of External Evaluators

The following processes will be used to select and manage external evaluators:

External Evaluators may be chosen by the PSE Evaluation Team.

PSE's Evaluation Team may serve as the day-to-day project manager for External Evaluators.

Members of the CRAG may express interest in decisions regarding particular EM&V projects, or may elect to receive updates at regular CRAG meetings. Members seeking involvement with certain EM&V activities must provide timely review and feedback in accordance with EM&V schedules and timelines.

Completed evaluation reports and their completed Evaluation Report Reponses (ERRs) will be available to the CRAG at any time. Evaluation Reports and ERRs completed in each calendar year will be attached to the Annual Report for that year.

External Review and Oversight

External review serves to ensure that the EM&V process is thorough, transparent, and conducted according to the proper standards. PSE relies on the CRAG for external review, and will seek additional review from the RTF, Northwest Energy Efficiency Alliance (NEEA), the Northwest Research Group and other peer reviewers as appropriate. PSE's CRAG will advise the Company on the topics described below.

Development and modification of protocols to evaluate, measure, and verify energy savings in PSE's programs.

Guidance to PSE regarding savings estimates in the M:M, including methodology inputs and calculations for updating cost-effectiveness.

Consideration of the need for tariff modifications or mid-course program corrections.

Review appropriate level of and planning for:

- Marketing conservation programs
- Incentives to customers for measures and services
- Consideration of issues related to conservation programs for customers with limited income
- Comparing program achievement results with annual and biennial targets
- Review of energy efficiency program budgets and review of actual expenditures compared to budgets

In accordance with regulatory conditions, the CRAG will meet "in-person" twice annually, and four times annually overall. Any member may request an additional meeting of the CRAG with reasonable notice. The CRAG will make recommendations to PSE concerning the Company's specific EM&V plans, custom and prescriptive efficiency programs, including confidence and precision levels, sampling plans, timeline, and overall approach. The CRAG will review and advise PSE on deemed (UES) savings estimates and/or parameters and calculation methodologies included in Measure Metrics, and may review and comment upon savings claims and other EM&V results prepared by PSE and/or external evaluators..

Figure 4 presents a graphical version of the Roles and Responsibilities for PSE Staff, CRAG, External Evaluators, Washington Utilities and Transportation Commission, and Peer Reviewers.

Figure 4; Roles and Responsibilities

X - Responsible for party to do O – Optional for party to do per PSE request

Task and/or Deliverable	Puget Sound Energy	CRAG	External EM&V Evaluator	Peers (e.g. Avista, PacificCorp, Idaho Power, NEEA, ETO, NWRG, RTF)
EM&V Framework				
Prepare initial EM&V Framework	x			
Review initial EM&V Framework	x	x	x	o
Update EM&V Framework as needed	x			
Review updates to EM&V Framework as needed			o	
File EM&V Framework with WUTC	x			
EM&V Plans				
Prepare EM&V Annual Plan	x		o	
Review EM&V Annual Plan	x	x		
File EM&V Annual Plan with WUTC	x			
Measure Metrics Database				
Prepare initial extract of Measure Metrics data	x			
Review Measure Metrics as needed	x	x	x	o
Update Measure Metrics	x		o	
Review updated Measure Metrics data	x	x	o	o
EM&V Reports				
Process, Market & Impact reports	x		x	o
Review Summary Reports	x	x	x	
File Annual Conservation Report with WUTC	x			
EM&V Planning				
Internal Program Evaluation Scopes of Work	x	x		o
Process, Market, & Impact evaluations	x		x	o
Process, Market & Impact review	x	x		o

Reporting Cycles and Schedule

The program implementation cycle operates on a calendar year basis, from January 1-December 31 each year. Figure 5, on the following page, indicates a preliminary reporting schedule. A final schedule with contents of each report will be reviewed with the CRAG as part of their review of the Annual Plan.

Figure 5: EM&V 2014-2015 Reporting Schedule

Report	Description	Distribution Date	Distribution
2014-2015 Biennial Conservation Plan	A Biennial Conservation Plan (BCP) including revised program details and program tariffs, together with achievable conservation potential, by November 1, 2013, requesting an effective date of January 1, the following year	August 1, 2013	CRAG
		10-year potential, 2-year target	CRAG
		October 1, 2013: Draft Tariffs	CRAG
		November 1, 2013: Complete BCP Filing	UTC
2012-2013 Biennial Conservation Report	A report on conservation program achievement for the most recently completed biennium by June 1, 2014	February 15, 2014	CRAG, UTC, Washington Dept of Commerce
2013 Annual Conservation Report	Backward looking. Reported Program level savings, adjustments, changes, comprehensive report on EM&V activities of the prior year	June 1, 2014	CRAG, UTC, Washington Dept of Commerce
2014 Simi-annual Conservation Acquisition Report	Mid-year acquisition report comparing actual to budgeted savings values	August 15, 2014 Filing	CRAG, UTC
2015 Annual Conservation Plan	Forward Looking. Program level expected savings, adjustments, major changes, EM&V. Primarily functions as an update to the 2014-2015 BCP	November 1, 2014: CRAG presentation	CRAG, UTC
		December 1, 2015: UTC Filing	

2014 Annual Conservation Report	Backward looking. Reported Program level savings, adjustments, changes, comprehensive report on EM&V activities of the prior year	February 15, 2015 Filing	CRAG, UTC
2014-2015 Biennial Conservation Report	First year Status on 2014-2015 biennium It is important to note that RCW 19.285 requires that this report be filed with the WA Department of Commerce annually, while condition 8 of order 01 (UE-11881) requires a biennial filing with the UTC.	June 1, 2015	Washington Dept of Commerce
2015 Semi-annual Conservation Acquisition Report	Mid-year acquisition report comparing actual to budgeted savings values	August 15, 2015 Filing	CRAG, UTC

Application of EM&V Results

Performance in EM&V activities will be reported on the basis of gross savings, and free-ridership and spillover will be used to understand program targeting and design. The granularity of the results will be determined in the portfolio, program, measure, and project specific EM&V or M&V research plans. Transmission and Distribution savings due to the effects of the DSM program may be counted toward goal. This Framework and the Annual EM&V Plan do not include T&D efficiency projects that are not retail metered.

As currently structured, following the close of each program year, PSE provides an annual report of program and portfolio accomplishments on February 15, per the schedule presented in Figure 1, page 11.

EM&V efforts that result in changes to predetermined *ex-ante* savings estimates, *ex-ante* savings calculations (for custom measures), and/or algorithms used to calculate savings for custom measures will in most cases be applied prospectively, taking effect in subsequent program implementation cycles (beginning January 1), as appropriate. Such changes will be documented as changes in the Measure Metrics database system.

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: 09/27/13

Section or Condition Number	Detailed Condition	CRAG Role	Condition is **met** 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
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 (sp) Industrial Customers of Northwest Utilities; and Intervenor NW Energy Coalition ("NWEC ") (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. **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.** (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

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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.		
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.		

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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 developement Junly 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. **This may include reasonable administration costs for PSE's net metering program.** **(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	
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	

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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	

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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	
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	The financial penalties for failure to achieve the annual conservation savings targets are as follows. • Achieve savings that are 90 to 99% of the goal: $200,000 penalty applies • Achieve savings that are 75% to 89% of the goal: $500,000 penalty applies Achieve savings that are less than 75% of the goal: $750,000 penalty applies		PSE documents the presentation of the penalty calculation figures and the resultant indicattion 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). **M.44.c,** 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.		

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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; **October 27 at the earliest.**		Only the condition section heading will be checked.
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"					

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(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, **diminish neither PSE's operational authority** 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 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 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	

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(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.		
(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.		
(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.		
(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.		
(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	

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(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	March 22, June 21, October 11, December 6, March 22, 2013, June 6, July 18	
(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	
(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 adusted as presented below in Tables A-1 and A-2.		PSE provides Annual or Biennial Conservation Plans.		
(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	

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(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 http://www.nwcouncil.org/energy/rtf/.	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	
(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	

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K(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.	
(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 delieverable--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	

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(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 delieverable--ongoing business practice.	✓
(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 http://www.nwcouncil.org/energy/powerplan/6/supplycurves/I937/CouncilMethodology_outline%20_2_.pdf.	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	✓

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(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 (3!). Lastly, PSE files complete package on Nov 1.	All deliverables provided to the CRAG on or before specified dates.	
(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
(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 therafter each June.		Due in 2014
(9)	Required Public Involvement in Preparation for the 2014-2015 Biennium				

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- The terms "Framework" and "Protocol" in applicable conditions in Order 01 are sometimes used interchangeably.
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(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.	

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

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- 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).
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(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 http://www.nwcouncil.org/energy/powerplan/6/supplycurves/I937/CouncilMethodology_outline%20_2_.pdf.	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 http://www.epa.gov/cleanenergy/documents/suca/cost-effectiveness.pdf.	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.		
(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

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

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(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 Committments				
(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	

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

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(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.		
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 2014-2015 Plan

November 1, 2013

PSE PUGET SOUND ENERGY
The Energy To Do Great Things

2014-2015 Planned Activities Report for Puget Sound Energy

OVERVIEW FOR PUGET SOUND ENERGY

NOTE: The Northwest Energy Efficiency Alliance (NEEA) is currently undergoing strategic planning and is in the process of developing its 2014 Operations Plan and 2015-2019 Business Plan. All plans and budgets are pending NEEA Board approval at the end of 2013. If there are any material changes, NEEA will update the following information accordingly.

The Northwest Energy Efficiency Alliance (NEEA) is a non-profit organization working on behalf of Puget Sound Energy (PSE) to accelerate the innovation and adoption of energy-efficient products, services and practices in the Northwest. NEEA is supported by, and works in collaboration with, Puget Sound Energy (PSE), the Bonneville Power Administration and more than 100 Northwest utilities to identify and pursue energy efficiency opportunities that can only be achieved by working regionally.

In collaboration with NEEA's Board of Directors and advisory committees, NEEA is in the process of developing its 2015-2019 Business Plan. Many of NEEA's current market transformation strategies and activities will continue into the 2015-2019 Business Cycle. In addition, NEEA's draft 2015-2019 Business Plan identifies and leverages key learnings from prior business cycles to meet a changing market for energy efficiency, including identifying strategic markets and leveraging market infrastructure.

This report summarizes NEEA's 2014-2015 planned activities, based on the current draft versions of NEEA's 2014 Operations Plan and 2015-2019 Business Plan. Both plans will be submitted to the NEEA Board for consideration on December 3, 2013.

FILLING THE ENERGY EFFICIENCY 'PIPELINE' FOR PUGET SOUND ENERGY

NEEA's top focus, as prioritized by its stakeholders, is to scan the market for energy efficiency opportunities and to drive the acceptance and availability of promising new technologies and practices. By pooling resources and pursuing emerging technologies on behalf of the region, NEEA is able to lower program costs to PSE and its other funders and mitigate the risk associated with exploring new technologies.

NEEA's Emerging Technology team applies a market-based approach to identify the most viable emerging technology opportunities, pursuing those that will have the greatest long-term impact for the region. By continuously scanning the market for new, innovative technologies and practices, and developing a coordinated strategy for market deployment, NEEA ensures a steady stream of energy-efficient products, services and practices will be available for the region.

In 2014 and into the 2015-2019 Business Cycle, NEEA will continue to focus on filling the energy efficiency pipeline and investigating opportunities that will have broad benefit for PSE and the region. Opportunities that are currently under investigation include dual-purpose ductless heat pumps and super-efficient clothes dryers.

ACCELERATING MARKET ADOPTION FOR PUGET SOUND ENERGY

In partnership with PSE, NEEA designs and executes strategic market interventions in the residential/mass market, commercial and industrial sectors. NEEA identifies market barriers to the adoption of energy-efficient products, services, and practices, and intervenes at a regional level to remove those barriers. By leveraging the collective market power of the region to build strategic relationships with key market actors, NEEA influences supply and demand of energy-efficient products. These efforts support regional market change as well as local programs and offerings from utilities like PSE.

Residential/Mass Market Initiatives

2014 will serve as a transition and planning year for NEEA's residential programs. NEEA's residential sector initiatives will keep much of the same focus from 2013 to 2014. However, NEEA's draft 2015-2019 Business Plan proposes a greater emphasis on the residential market beyond 2014.

- **Televisions**: NEEA will continue to partner with utilities to influence retailers to stock and sell Most-Efficient televisions in 2014. 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. Given that the market for Most-Efficient televisions has been almost completely transformed (market share of ENERGY STAR version 5.3 expected to reach 90% in 2013), NEEA intends to transition out of this initiative by the end of 2014.
- **Heat Pump Water Heaters**: NEEA proposes to continue to address barriers to the market adoption of heat pump water heaters by validating product performance and working upstream with manufacturers to accelerate consumer awareness through utility incentive programs. In 2014, NEEA will work with its utility partners and the Regional Technical Forum to validate energy savings associated with heat pump water heaters, currently estimated at 500 aMW regionally.
- **Ductless Heat Pumps:** NEEA's 2014 Operations and 2015-2019 Business Plan both propose a continuation of NEEA's Ductless Heat Pump initiative. To accelerate market adoption of ductless technology, NEEA partners with national manufacturers and retailers and provides utilities and HVAC installers with research, marketing templates and other resources to build awareness of ductless heating and cooling systems and motivate consumer purchasing.

  Retail Product Portfolio: NEEA's draft 2015-2019 Business Plan proposes the development of an innovative Retail Product Portfolio initiative that builds on the success of the TV Initiative. In collaboration with the Northwest Regional Retail Council, the Retail Product Portfolio Initiative will test a strategy of bundling mid-stream incentives across product categories. The goal of this strategy is to overcome cost-effectiveness barriers by leveraging economies of scale to influence retailer stocking, buying and promotional practices, and ultimately result in a greater mix of energy efficiency products sold in the retail channel.
- **Residential New Construction**: NEEA will transition its Northwest ENERGY STAR Homes Initiative to the market and strategically focus on supporting more stringent residential building codes via the Next Step Homes Initiative. The Next Step Homes initiative will focus on partnerships with builders to improve market capability and support for advanced building practices.

Commercial Initiatives

2014 will serve as a transition and planning year for NEEA to launch into commercial opportunities identified in the 2015-2019 Business Plan. In particular, NEEA plans to transition to an infrastructure based approach for some of its commercial programs (outlined below).

- **Healthcare**: NEEA's 2015-2019 Business Plan proposes that NEEA transfer its Healthcare initiative to Northwest utilities and market partners. Since regional market knowledge and adoption of Strategic Energy Management has been realized within the healthcare industry, this market is considered transformed.
- **Existing Building Renewal**: NEEA proposes to launch a market test for integrated deep energy retrofits in the existing commercial office building market. Specifically, NEEA will provide implementation support for demonstration projects, drive best practices in operations and management, and evaluate product results and acceptance.
- **Luminaire-Level Lighting Controls:** NEEA proposes to continue to accelerate market adoption of luminaire-level lighting controls technology by addressing key market barriers, including: product availability, the need for a lighting savings protocol and owner awareness of the benefits of retrofit applications.
- **Top Tier Trade Ally**: NEEA proposes to accelerate market adoption of commercial and industrial advanced lighting retrofit practices by building connectivity between contractors, training resources and utility programs via a Top Tier Trade Ally framework. NEEA will collaborate with local programs to drive demand for contractors who achieve top tier status and collaboratively develop a market test plan.

- **Building Operator Certification Expansion (BOCE)**: NEEA proposes to continue its current Building Operator Certification Expansion initiative, which supports high performing energy-efficient commercial buildings by creating demand for BOC-certified building operators. NEEA's BOCE initiative provides skill enhancement training and continuing education for building operators, thereby increasing efficiency in the operations and maintenance of commercial buildings. In 2014, NEEA will continue to develop the business case for certified BOC operators in the region and build market knowledge and curriculum to support persistent application of energy saving best practices.

Industrial Initiatives

2014 will serve as a transition and planning year for NEEA's industrial programs. The current 2014 Operation Plan proposes that NEEA transfer its Food Processing initiative to Northwest utilities and market partners, and begin infrastructure work for Agricultural Irrigation.

- **Refrigeration Engineers & Training Association**: NEEA's proposes to partner with Northwest utilities and the Refrigerating Engineers & Training Association (RETA) to provide energy efficiency certification for refrigerator operators in the Northwest and test/validate a market strategy to accelerate certification for persistent adoption of energy savings activities.
- **Industrial Regional Technical Training:** Continuing in 2014 and 2015 NEEA will coordinate with utilities including Puget Sound Energy, Bonneville Power Administration and Energy Trust of Oregon to deliver industrial training courses throughout the Northwest. NEEA's industrial training supports local utilities and their customers in building technical capacity.

Codes and Standards

NEEA plans to continue to identify and develop specific energy efficiency technologies that are good candidates for inclusion in future residential and commercial energy codes or federal standards. NEEA will prioritize these technologies and will conduct appropriate research to determine barriers to their adoption into the market and into codes. NEEA will engage with utilities, Bonneville Power Administration and Energy Trust of Oregon to have these technologies incorporated into voluntary programs to demonstrate feasibility to codes and standards agencies that work directly on code adoption and standards-rulemaking processes.

In 2014, NEEA will continue to leverage the Next Step Homes pilot to prepare the residential market for advanced residential code adoption. NEEA also plans to conduct a commercial building code study to determine code compliance in commercial buildings.

NEEA's Standards work accelerates the adoption of more stringent appliance and equipment standards at a regional and national level. Investing in more stringent efficiency standards is a cost-effective savings strategy Washington utilities can take to assure energy efficiency is displacing the need for new generation. In 2014 and into the 2015-2019 Business Cycle, NEEA will begin work to support a Washington State TV Efficiency standard to lock in long-term savings associated with Most-Efficient televisions and continue to conduct consumer electronics end-use research and support standards rulemakings on behalf of Washington ratepayers, including those for improved testing for clothes dryers.

DELIVERING ON REGIONAL ADVANTAGE FOR PUGET SOUND ENERGY

NEEA is a unique alliance of public and private electric utilities that represents the entire four-state region. As a regional organization, NEEA presents a unified voice in the market, builds relationships with 'upstream' market actors, and mitigates risk to its funders. By partnering with NEEA, PSE can leverage the collective market power of the region to make its investments in energy efficiency go further. NEEA's draft 2014 Operations Plan and draft 2015-2019 Business Plan call for NEEA to develop a strategic market framework and additional infrastructure to support the delivery of high-value, cost-effective energy efficiency to the region.

- **Strategic Market Framework**: NEEA proposes to concentrate its market transformation investments in targeted strategic markets to deliver the highest value energy savings to PSE at the lowest cost. NEEA's draft Business Plan identifies seven strategic markets: *commercial lighting, commercial real estate, commercial new construction, Northwest industry, irrigated agriculture, consumer products, and residential new construction*. NEEA chose to focus on these markets because of significant energy efficiency and partnership opportunities, as well as a clear business case for on-going investment.

Strategic market plans will explicitly support PSE's local programs, overall regional energy efficiency efforts and NEEA's market transformation initiatives.

- **Infrastructure Investment**: A new focus in NEEA's draft 2015-2019 Business Plan is the development and support of Market Infrastructure. Defined as market platforms, regional resources and tools, market infrastructure will support both PSE's efficiency programs and NEEA's market transformation initiatives. By leveraging infrastructure across multiple sectors, NEEA can more cost-effectively support multiple market transformation efforts over the course of many years. Examples of market infrastructure proposed in NEEA's draft 2015-2019 Business Plan are:

    - **Commercial Real Estate Infrastructure:** NEEA proposes to accelerate the adoption of Strategic Energy Management (SEM) practices in the commercial real estate market through the development of an innovative market infrastructure. NEEA will conduct a market test to inform infrastructure development and strategies, identify program tools for data collection and management, and deliver tools and training to enable program implementation with its partners.
    - **Commercial Lighting Infrastructure**: NEEA proposes to provide critical regional support and infrastructure to the commercial and industrial lighting market by leveraging regional advantage and economies of scale.
    - **Distributor Product Portfolio Infrastructure**: NEEA proposes to develop an upstream platform and program with the region's lighting distributors and national manufacturers with the goal of influencing the availability of energy-efficient commercial and industrial lighting products.
    - **Commercial and Industrial Strategic Energy Management (SEM) Infrastructure**: NEEA proposes to enhance awareness and availability of SEM, and ensure a common understanding and practice across the region, through a comprehensive SEM infrastructure. By identifying existing tools and training for SEM dissemination and developing a collaborative strategy with the region, NEEA will address gaps in the deployment of SEM across commercial and industrial sectors.
    - **Irrigation**: NEEA proposes to increase regional market availability of emerging agriculture/ irrigation technologies by developing and providing energy savings associated with irrigation management through integrated decision support systems and common data standards.

Market Resources

NEEA proposes to focus on refining and integrating two key stakeholder services – the annual Efficiency Exchange conference and Conduit – while at the same time transitioning out of regional coordination activities (e.g., the regional energy efficiency messaging and marketing toolkit) and utility education and training.

Market Research & Evaluation

NEEA's Market Research & Evaluation team will continue to support the region by evaluating market transformation initiatives, providing market characterization and market assessment reports, and conducting major regional studies such as the Commercial Building Stock Assessment, which will be finalized in 2014. Regional stock assessment studies characterize the current state of the market and provide up-to-date baseline information for improved conservation planning and program design for PSE and other utilities.

Additional Information

More information on NEEA's market transformation initiatives, as well as NEEA's quarterly and annual reports, can be found at neea.org.

Questions or comments about this report? Please contact Lindsey Clark, Communications Coordinator, 503-688-5476, lclark@neea.org.

Exhibit 10, Supplement 1

NEEA Savings Determination Methodology

January 1, 2014

PSE PUGET SOUND ENERGY

PROPOSAL

Puget Sound Energy NEEA Baseline and Forecast Adjustments to Align with PSE's 2014-2015 IRP

Overview

For 2014, PSE proposes to use the NEEA Forecast based on the 6th Power Plan baseline, but to adjust this forecast to align with PSE's IRP baseline. The 6th Power Plan baseline was developed by NEEA, and the methodology and key assumptions are described below and in Appendix A. Additional adjustments to this baseline are made at the sector level to align the baseline with PSE's IRP baseline, based on information and analysis provided in Cadmus's "Comprehensive Assessment of Demand-Side Resource Potentials (2014–2033)" (Cadmus DSM Assessment) contracted as part of PSE's IRP development process. This document can be located at:

http://pse.com/aboutpse/EnergySupply/Documents/IRP_2013_AppN.pdf

For 2015, PSE proposes to use the NEEA Forecast based on a proxy 7th Power Plan baseline. This baseline has been developed by NEEA, and the methodology and key assumptions are described below and in Appendix B.

2014 Baseline

NEEA 6th Power Plan Baseline

NEEAs initial 2014-2015 savings forecast, based on a 6th Power Plan base line is attached as Appendix A. Baseline methodology and key assumptions from this document are shown below:

Baseline: This report uses the Northwest Power and Conservation Council's (NWPCC) 6th Power Plan baseline. NEEA aligns components of its initiatives with measures in the Power Plan to establish a baseline from which to count savings. NEEA reviews the alignment with NWPCC annually to assure the savings count toward Power Plan targets.

Technical Assumptions: The technical assumptions come from the original 6th Power Plan. NEEA holds the technical assumptions constant.

Data Source: The units that derive these savings come from NEEA's 2012 Annual Report.

Funder Allocation: NEEA is allocating savings based on funder shares. The shares vary based on the funding cycle. Savings from previous investments receive the previous funder share (10.37%). Savings from current investments receive the current funder share (13.80%). NEEA will update the funder shares in 2015 based on the new Business Plan. This report assumes the 2015 funder share is 13.80%.

Site Base: NEEA only reports site-based savings. Funders can add line loss savings to the totals that NEEA reports.

Calendar Year: NEEA collects and reports data by calendar year.

Local Programs and Remaining Savings: Prior to reporting the energy savings above baseline, NEEA removes savings the Energy Trust of Oregon, the Bonneville Power Administration, and local utilities claim through their programs. This effort avoids double counting energy savings. NEEA develops the local programs savings forecast using historical data from its annual survey of local programs and expectations about the level of support for each measure.

PSE/Cadmus Adjustments to NEEA 6th Power Plan Baseline

Final adjustments to NEEA's 2014 6th Power Plan-based forecast are informed by Cadmus' "Comprehensive Assessment of Demand-Side Resource Potentials (2014–2033)" (Cadmus DSM Assessment) done as part of PSE's IRP development process.

For the 2013 PSE IRP baseline, Cadmus has adjusted 6th Power Plan Assumptions in the following ways:

- Where possible, assumptions are based on currently-available PSE-specific data rather than regional averages:
    - PSE sales and customer forecasts.
    - Program accomplishments, current measure saturations, customer/measure fuel shares.
- Where possible, technical assumptions are updated to current RTF values, or alternatively, to recent third party research.
- Codes are considered in the IRP baseline as they become effective.
- For the IRP baseline, all discretionary (non-lost opportunity) savings assume ramp rates of 10 years (6th Power Plan has an average of 15 years across all measures).

Specific baseline adjustment factors used to adjust NEEA 6th Power Plan baseline 2014 forecasts to align with the IRP baseline are derived from Table 10 (page 14) of the Cadmus DSM Assessment. This table directly compares PSE's 10 yr achievable potential using the 6th Power Plan baseline and PSE's IRP baseline, and is shown below:

2014 NEEA Forecast Adjustment Factors

Achievable Technical Potential (2014-2023) - aMW			Ratio of PSE to 6th PP Potential
Sector	PSE	Sixth Plan	
Residential	185	302	61%
Commercial	182	138	132%
Industrial	22	18	122%

It's important to note that these differences in Potential are influenced by multiple factors, and influences are not identical across sectors. The Cadmus DSM Assessment provides more detail, but the key drivers of the differences in Potential include:

- Residential -- Current measure saturations, program accomplishments, fuel shares, RTF technical assumptions.
- Commercial -- PSE service territory end use mix, RTF technical assumptions, accelerated ramp rates.
- Industrial -- PSE service territory industry mix.

2015 Baseline

NEEA Proxy 6th Power Plan Baseline

NEEA's revised 2014-2015 funder share savings forecast, based on a NEEA-developed proxy 7th Power Plan base line for 2015, and a 6th Power Plan baseline for 2014, is attached as Appendix B. Baseline methodology and key assumptions from this document are shown below:

Baseline: This report uses the NWPCC's 6th Power Plan baseline for 2014 and a proxy of the 7th Power Plan baseline for the 2015 estimate.

6th Power Plan Baseline: To measure savings against the 6th Power Plan baseline, NEEA aligned components of its initiatives with measures in the Power Plan. NEEA reviewed the alignment with NWPCC to assure the savings count toward Power Plan targets.

7th Power Plan Baseline: Developing a proxy 7th Power Plan baseline comprised three steps.

- First, NEEA reviewed the market forecast of each product and behavior. Savings from measures that will achieve its potential by 2014 cannot count toward the 7th Power Plan. For example, the market share for ENERGY STAR 4.1 televisions is forecasted to be 100%; therefore, these televisions would be a part of the 7th Power Plan baseline.

- Second, NEEA replaced its savings rates with the Regional Technical Forum (RTF) savings rates where available. For example, the RTF savings rate for refrigerators is lower than the 6th Power Plan rate because the RTF set its baseline later. This report uses the baseline set at the latest date in order to align closest to the 7th Power Plan baseline. Therefore, NEEA used the RTF savings rate.

- Third, NEEA looked at the difference in market adoption between the date of the baseline and 2014—the date of the 7th Power Plan baseline. If the market share were forecasted at 70% in 2014 and 10% when the savings rate baseline was set, NEEA would assume 60% of the market adoption in 2015 is the change in baseline from 2010 to 2014. These baseline units cannot count in the 7th Power Plan.

Technical Assumptions: The report uses the technical assumptions from the original 6th Power Plan for 2014. NEEA holds the technical assumptions constant. For the 7th Power Plan, NEEA uses the current RTF technical assumptions when available. Otherwise, NEEA will use technical assumptions from third-party research.

Data Source: The report uses information available as of July 26, 2013. Between July and September, NEEA actively updates the savings forecasts for its initiatives. NEEA finalizes this set of forecasts in September 2013.

Funder Allocation: NEEA is allocating savings based on funder shares. The shares vary based on the funding cycle. Savings from previous investments receive the previous funder share (10.37%). Savings from current investments receive the current funder share (13.80%). NEEA will update the funder shares in 2015 based on the new Business Plan. This report assumes the 2015 funder share is 13.80%.

Site Base: NEEA only reports site-based savings. Funders can add line loss savings to the totals that NEEA reports.

Calendar Year: NEEA collects and reports data by calendar year.

Local Programs and Remaining Savings: Prior to reporting the energy savings above baseline, NEEA removes savings the Energy Trust of Oregon, the Bonneville Power Administration, and local utilities claim through their programs. This effort avoids double counting energy savings. NEEA develops the local programs savings forecast using historical data from its annual survey of local programs and expectations about the level of support for each measure.

Final Sector-level Adjustments to NEEA 2014-2015 PSE Funder Share Savings Forecasts (aMW)

2015 - 7th PP Forecast provided by NEEA

2014 – 6th PP Forecast provided by NEEA multiplied by adjustment factor

Example: For residential sector – 5.8 aMW X 61% = 3.6 aMW

	With 6th PP Baseline		With 6th PP Baseline Code Initiatives Removed *		With Adjusted 6th PP and Proxy 7th PP Baseline	
	2014	2015	2014	2015	2014	2015
Residential	6.5	8.1	5.8	7.7	3.6	2.3
Commercial	1.8	0.9	1.5	0.5	2.0	0.2
Industrial	0.1	0.1	0.1	0.1	0.2	0.1
Total	**8.5**	**9.1**	**7.5**	**8.4**	**5.7**	**2.6**
Biennial Total	**17.6**		**15.8**		**8.3**	

* NEEA removed ongoing initiatives aimed exclusively at future code enhancements between their first draft forecast (June 21th 2013) and their second draft forecast (July 29th 2013)

Final Initiative-level Adjustments to NEEA 2014-2015 PSE Funder Share Savings Forecasts (aMW)

		June 2013 6th PP NEEA Forecast		July 6th PP NEEA Forecast, with Code Initiatives Removed		July NEEA Forecast with a Proxy 7th PP baseline for 2015		July NEEA Forecast with 2014 Forecast Adjusted to Align with Cadmus IRP baseline at the SECTOR LEVEL and 7th PP Proxy for 2015	
Sector	**Initiative**	**2014**	**2015**	**2014**	**2015**	**2014**	**2015**	**2014**	**2015**
Agriculture	AM400 Data Logger	0.01		0.01		0.01			
Commercial	Building Operator Certification	0.10		0.10		0.10	0.08	0.13	0.08
Commercial	Building Operator Certification Expansion	0.08		0.08		0.08	0.12	0.11	0.12
Commercial	Commissioning Public Buildings	0.34	0.34	0.41	0.34	0.41		0.55	0.00
Commercial	Desktop Power Supply	0.90	0.15	0.90	0.15	0.90		1.19	0.00
Commercial	Healthcare	0.01		0.01		0.01		0.01	
Commercial	Other codes	0.37	0.44						
Industrial	Drive Power	0.08	0.08	0.08	0.08	0.08		0.10	
Industrial	Food Processors	0.05	0.05	0.05	0.08	0.05	0.08	0.06	0.08
Residential	Clothes Washers	0.33	0.38	0.33	0.38	0.33		0.20	
Residential	Dishwashers	0.03	0.03	0.03	0.03	0.03		0.02	
Residential	Ductless Heat Pumps	0.38	0.57	0.38	0.57	0.38	0.43	0.24	0.43
Residential	Efficient Homes (Codes Plus Efficient Homes)	0.29	0.32						
Residential	Heat Pump Water Heaters			0.05	0.07	0.05	0.07	0.03	0.07
Residential	Lighting	1.22	2.42	0.79	2.42	0.79	1.56	0.49	1.56
Residential	Other Codes (Multifamily)	0.03	0.03						
Residential	Refrigerators	0.12	0.12	0.12	0.12	0.12		0.07	
Residential	Televisions	4.12	4.21	4.12	4.21	4.12	0.20	2.53	0.20
All Sectors	**Total**	**8.5**	**9.1**	**7.5**	**8.5**	**7.5**	**2.5**	**5.7**	**2.6**
	Biennial Total	**17.6**		**15.8**		**10.0**		**8.3**	

Memorandum

June 21, 2013

TO: Rebecca Blanton, Market Analyst, Puget Sound Energy

CC: Stephanie Rider, Senior Manager, NEEA Planning; Susan Hermenet, Director, NEEA Research, Planning & Evaluation

FROM: Christina Steinhoff, NEEA Planning Analyst III

SUBJECT: Preliminary draft forecast for the 2014-2015 biennium (Northwest Power and Conservation Council's 6th Power Plan Baseline)

Puget Sound Energy (PSE) requested a preliminary savings forecast for 2014-2015. The forecast will help PSE file its Biennial Conservation Plan (BCP) with the Washington Utilities and Transportation Commission (WUTC). This memo and the attached spreadsheet provide the first forecast. NEEA will update these numbers on Oct. 14, 2013 if additional data become available.

2014-2015 Savings Forecast

NEEA estimates PSE's 2014-2015 funder share[1] of annual electric energy savings associated with its initiatives is 17.6 aMW (Table 1). The energy savings are above the 6th Power Plan baseline[2] and exclude an estimate of savings the Energy Trust of Oregon, the Bonneville Power Administration, and local utilities claim through their programs. NEEA allocates the savings using funder shares[3]. PSE can include the savings in Table 1 to prepare its BCP.

[1] See the Key Assumptions section in this memo. NEEA assumes the 2015 funder share matches PSE's current funder share.

[2] See the Key Assumptions section in this memo. In 2015, the Northwest Power and Conservation Council (NWPCC) will switch to the 7th Power Plan. NEEA is using the 6th Power Plan baseline and technical assumptions for this report.

[3] See the Key Assumptions section in this memo. NEEA assumes the 2015 funder share matches PSE's current funder share.

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Table 1: 2014-2015 Savings Forecasts

	2014			2015			
	Funder Share of Regional Savings	Funder Share of Local Program Savings	Remaining Savings	Funder Share of Regional Savings	Funder Share of Local Program Savings	Remaining Savings	**Total Remaining Savings**
Total	10.16	1.69	**8.47**	10.51	1.37	**9.14**	17.61
Residential	7.92	1.39	**6.53**	9.24	1.17	**8.07**	14.60
Commercial	1.91	0.11	**1.80**	0.93	-	**0.93**	2.73
Industrial	0.32	0.19	**0.13**	0.33	0.20	**0.13**	0.26
Agriculture	0.01	-	**0.01**	-	-	**-**	0.01

Note:
These are site-based savings
Remaining Savings is savings remaining after removing savings claimed through Local Programs

Potential Ranges

NEEA estimates that the 2014-2015 savings could vary +/- 4.3 aMW.[4]

- **Positive:**
  - The forecast does not include savings from initiatives in the development phase such as Heat Pump Water Heaters and Commercial Real Estate. The confidence level associated with these savings forecasts is low. However, it is possible that these initiatives will progress and data will become available to report savings.
  - The forecast does not include potential savings from federal and state standards not associated with a voluntary initiative but influenced by NEEA. For example, NEEA is developing a methodology to calculate savings from battery chargers and fluorescent ballasts that could potentially support reporting these savings.
  - The forecast also has some upside from its current initiatives. For example, NEEA might be able to track additional savings from ductless heat pumps installed in other applications besides existing, single-family homes with zonal heat.
- **Negative:**
  - Economic factors and slow market adoption could lead to fewer savings. For example, the housing and commercial construction market could decline, leading to fewer savings from commercial and residential codes. Another large factor could be fewer television, commercial desktop computers and CFL bulb sales because of people purchasing substitute products. More than 80% of the potential downside

[4] The estimate assumes PSE's allocation share does not change.

of the savings forecast comes from these consumer product initiatives. The remaining variance is spread across the other initiatives.

Methodology Outline

The key assumptions are:

- Baseline: **This report uses the Northwest Power and Conservation Council's (NWPCC) 6th Power Plan baseline.** NEEA aligns components of its initiatives with measures in the Power Plan to establish a baseline from which to count savings. NEEA reviews the alignment with NWPCC annually to assure the savings count toward Power Plan targets.
- Technical Assumptions: The technical assumptions come from the original 6th Power Plan. **NEEA holds the technical assumptions constant.**
- Data Source: The units that derive these savings come from NEEA's 2012 Annual Report.
- Funder Allocation: NEEA is allocating savings based on funder shares. The shares vary based on the funding cycle. Savings from previous investments receive the previous funder share (10.37%). Savings from current investments receive the current funder share (13.80%). NEEA will update the funder shares in 2015 based on the new Business Plan. **This report assumes the 2015 funder share is 13.80%.**
- Site Base: NEEA only reports site-based savings. Funders can add line loss savings to the totals that NEEA reports.
- Calendar Year: NEEA collects and reports data by calendar year.
- Local Programs and Remaining Savings: Prior to reporting the energy savings above baseline, NEEA removes savings the Energy Trust of Oregon, the Bonneville Power Administration, and local utilities claim through their programs. This effort avoids double counting energy savings. NEEA develops the local programs savings forecast using historical data from its annual survey of local programs and expectations about the level of support for each measure.

Report Design

Each Excel report has three worksheets.

1. The Funder Report Table: This worksheet summarizes the savings report.
2. Report Detail: This worksheet provides background information to support the savings results provided in the Funder Report Table (Figure 1).
3. Savings by Initiative: This worksheet provides the savings by initiative.

Please Contact Christina Steinhoff at 503-688-5427 with any questions about the spreadsheet.

Service Territory: Uses state, zip code (place of use or point of sale) or service territory data.
Funder Share: Uses funding share of NEEA to allocation savings.

Savings Rate: Uses the Power Plan baseline and technical assumptions.

Retirements: Units that are replacing units that NEEA has already tracked against the baseline (based on measure life).

Net Savings: electric savings above the Power Plan baseline not counted as Local Programs (Net Units multiplied by the savings rate converted to aMW).

Figure 1: Illustration of Report Detail Worksheet

Year	Current Phase (Initiative Lifecycle)	Sector	Initiative	Measures	Allocation Methodology	Allocation Share	Comments	6th Power Plan Savings Rate (kWh/ unit)	Regional Units	Tracked Units Allocated to Funder	Local Programs Units	Retirements	Net Units	Net Savings (aMW)
2012	6	*Agriculture*	Agriculture: AM400 Data Logger	AM400 Data Logger	Funder Share	48.70%	*For Savings from Current Investments: 35.7% For Savings from Previous Investments: 48.7%*	10,472.0	74.0	36.0	-	-	36.0	0.04
2012	6	*Commercial*	Commercial: Building Operator Certification	Building Operator Certification	Funder Share	48.70%	*For Savings from Current Investments: 35.7% For Savings from Previous Investments: 48.7%*	107,464.5	100.0	48.7	23.9	-	24.8	0.30
2012	6	*Commercial*	Commercial: Commissioning Public Buildings	Commissioning (New)	Funder Share	48.70%	*For Savings from Current Investments: 35.7% For Savings from Previous Investments: 48.7%*	0.4	7,750,750.0	3,774,615.3	404,755.9	-	3,369,859.3	0.14

Phase 5: Implementation
Phase 6: Monitoring
(Initiatives in phases prior to five have a high variability in their forecasts).

Allocation Share: Share of the regional savings based on the allocation methodology.

Comments: Details about the allocation methodology.

Tracked Units Allocated to Funder: Allocation Share multiplied by the Regional Units.

Local Program Units: Units claimed by Bonneville, the Energy Trust of Oregon, and local utilities.

Net Units: Units net of Retirements and Local Programs Units.

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Note: these numbers are for illustration purpose only.

Memorandum

July 29, 2013

TO: Rebecca Blanton, Senior Market Analyst, Puget Sound Energy; Bob Stolarski, Director Customer Energy Manager, Puget Sound Energy; Jeff Tripp, Manager Residential Energy Management, Puget Sound Energy; Syd France, Manager New Program Development and Verification, Puget Sound Energy

CC: Stephanie Rider, Senior Manager, NEEA Planning; Susan Hermenet, Director, NEEA Research, Planning & Evaluation

FROM: Christina Steinhoff, NEEA Planning Analyst III

SUBJECT: Preliminary draft forecast for the 2015 (using a proxy for the Northwest Power and Conservation Council's 7th Power Plan Baseline)

NEEA provided Puget Sound Energy (PSE) in June a preliminary savings forecast for 2014-2015. NEEA intended that the forecast would help PSE file its Biennial Conservation Plan (BCP) with the Washington Utilities and Transportation Commission. However, two issues were identified:

1. The forecast included savings from codes and standards, which potentially overlap with PSE's load forecast.
2. The 2015 forecast did not align with Northwest Power and Conservation Council's (NWPCC) 7th Power Plan. Instead, the forecast was strictly aligned with the 6th Power Plan baseline and original technical assumptions.

NEEA has addressed these issues with a revised forecast for 2014-2015. This memo and the attached Excel spreadsheet explain and summarize the forecast. NEEA will update these numbers on Oct. 14, 2013 if additional data become available. NEEA can also revise the methodology upon request.

2014-2015 Revised Savings Forecast

NEEA estimates PSE's 2014-2015 funder share[1] of annual electric energy savings associated with its initiatives is 10.0 aMW (Table 1). The energy savings for 2014 are above the 6th Power Plan baseline[2] and exclude an estimate of savings the Energy Trust of Oregon, Bonneville Power Administration, and local utilities claim through their programs. The energy savings from 2015 are above a proxy 7th Power Plan

[1] See the Key Assumptions section in this memo. NEEA assumes the 2015 funder share matches PSE's current funder share.

[2] See the Key Assumptions section in this memo. In 2015, the Northwest Power and Conservation Council (NWPCC) will switch to the 7th Power Plan. NEEA is using the 6th Power Plan baseline and technical assumptions for this report.

baseline and not counted through local programs. NEEA allocates the savings using funder shares[3]. The following section provides further detail about the calculations.

Table 1: 2014-2015 PSE's Share of Remaining Savings Forecasts (Total Regional Savings less Local Program Savings)[4]

Remaining Savings

aMW

Sector	Initiative	Current Investment	2014 (6th PP)	2015 (7th PP)
Agriculture	AM400 Data Logger	No	0.01	-
Commercial	Building Operator Certification	No	0.10	0.08
Commercial	Building Operator Certification Expansion	Yes	0.08	0.12
Commercial	Commissioning Public Buildings	No	0.41	0.00
Commercial	Desktops Power Supply	Yes	0.90	0.00
Commercial	Healthcare	Yes	0.01	-
Industrial	Drive Power	No	0.08	-
Industrial	Food Processors	Yes	0.05	0.08
Industrial	MagnaDrive Innovative Industrial Speed Control	No	0.00	-
Residential	Clothes Washers	No	0.33	-
Residential	Dishwashers	No	0.03	-
Residential	Ductless Heat Pumps	Yes	0.38	0.43
Residential	Efficient Homes (ENERGY STAR)	Yes	-	-
Residential	Heat Pump Water Heaters	Yes	0.05	0.07
Residential	Lighting	No	0.79	1.56
Residential	Refrigerators	No	0.12	-
Residential	Televisions	Yes	4.12	0.20
All Sectors	**Total**		**7.48**	**2.55**

Notes:

These are incremental site-based savings.

The savings are Total Regional Savings above the Power Plan Baseline less Local Program Savings (Remaining Savings).

The 2014 baseline is the 6th Power Plan; The 2015 baseline is a proxy for the 7th Power Plan baseline using a Regional Technical Forum savings rates when available.

Methodology Outline

The key assumptions are:

[3] See the Key Assumptions section in this memo. NEEA assumes the 2015 funder share matches PSE's current funder share.

[4] The savings forecast excludes most initiatives pre-Market Execution. The only exception is Heat Pump Water Heaters.

- Baseline: **This report uses the NWPCC's 6th Power Plan baseline for 2014 and a proxy of the 7th Power Plan baseline for the 2015 estimate.**
    - *6th Power Plan Baseline:* To measure savings against the 6th Power Plan baseline, NEEA aligned components of its initiatives with measures in the Power Plan. NEEA reviewed the alignment with NWPCC to assure the savings count toward Power Plan targets.
    - *7th Power Plan Baseline:* Developing a proxy 7th Power Plan baseline comprised three steps.
        - First, NEEA reviewed the market forecast of each product and behavior. Savings from measures that will achieve its potential by 2014 cannot count toward the 7th Power Plan. For example, the market share for ENERGY STAR 4.1 televisions is forecasted to be 100%; therefore, these televisions would be a part of the 7th Power Plan baseline.
        - Second, NEEA replaced its savings rates with the Regional Technical Forum (RTF) savings rates where available. For example, the RTF savings rate for refrigerators is lower than the 6th Power Plan rate because the RTF set its baseline later. This report uses the baseline set at the latest date in order to align closest to the 7th Power Plan baseline. Therefore, NEEA used the RTF savings rate.
        - Third, NEEA looked at the difference in market adoption between the date of the baseline and 2014—the date of the 7th Power Plan baseline. If the market share were forecasted at 70% in 2014 and 10% when the savings rate baseline was set, NEEA would assume 60% of the market adoption in 2015 is the change in baseline from 2010 to 2014. These baseline units cannot count in the 7th Power Plan.
- Technical Assumptions: The report uses the technical assumptions from the original 6th Power Plan for 2014. NEEA holds the technical assumptions constant. For the 7th Power Plan, NEEA uses the current RTF technical assumptions when available. Otherwise, NEEA will use technical assumptions from third-party research.
- Data Source: The report uses information available as of July 26, 2013. Between July and September, NEEA actively updates the savings forecasts for its initiatives. NEEA finalizes this set of forecasts in September 2013.
- Funder Allocation: NEEA is allocating savings based on funder shares. The shares vary based on the funding cycle. Savings from previous investments receive the previous funder share (10.37%). Savings from current investments receive the current funder share (13.80%). NEEA will update the funder shares in 2015 based on the new Business Plan. **This report assumes the 2015 funder share is 13.80%.**
- Site Base: NEEA only reports site-based savings. Funders can add line loss savings to the totals that NEEA reports.
- Calendar Year: NEEA collects and reports data by calendar year.
- Local Programs and Remaining Savings: Prior to reporting the energy savings above baseline, NEEA removes savings the Energy Trust of Oregon, the Bonneville Power Administration, and local utilities claim through their programs. This effort avoids double counting energy savings. NEEA develops the local programs savings forecast using historical data from its annual survey of local programs and expectations about the level of support for each measure.

Potential Ranges

NEEA does not include savings forecasts from emerging initiatives. Table 2 lists the up-coming initiatives that could add to the 2014 and 2015 savings forecasts. NEEA, for example, anticipates additional savings from Commercial Real Estate in 2014 based on its current work in the market.

Table 2: Pre-Market Execution NEEA Initiatives

Sector	*Initiative*
Agricultural	Irrigation
Commercial	Commercial Lighting New Initiative #1
Commercial	Commercial Lighting New Initiative #2
Commercial	Commercial Lighting Solutions
Commercial	Commercial Real Estate
Commercial	Existing Building Renewal
Commercial	Luminaire Level Lighting Controls
Commercial	Solid State Streetlights with Controls
Industrial	RETA Operator Training
Industrial	Small/Medium Industrials
Residential	Next Step Home
Residential	Super-efficient Dryers
Residential	Whole Store Platform

Report Design

The attached Excel report has three worksheets.

1. 6th Power Plan Report Detail: This worksheet contains details about the 2014 savings forecast such as the allocation shares by measure, 6th Power Plan savings rates, and units.
2. 7th Power Plan Report Detail: This worksheet contains details about the 2015 savings forecast such as the allocation shares by measure, savings rates, source of the savings rate, and baseline unit assumptions.
3. Summary: This worksheet provides the savings by initiative.

Please Contact Christina Steinhoff at 503-688-5427 with any questions about the spreadsheet.

PUGET SOUND ENERGY, INC.

NATURAL GAS TARIFF INDEX (Continued)

PUGET SOUND ENERGY
NATURAL GAS SCHEDULE NO. 183
NATURAL GAS CONSERVATION SERVICE

Section 1: Purpose

To promote the efficient use of natural gas energy by providing Customers with access to information, products and incentives which will assist them in making energy efficiency/conservation decisions and investments. Conservation/energy efficiency activities will be consistent with cost-effectiveness as defined by a Total Resource Cost Test. Company funding for services will be limited to cost-effectiveness defined by a Utility Cost Test using the Company's Energy Efficiency Cost Effectiveness Standard, also known as the Conservation Cost Effectiveness Standard. Individual programs are described under Schedules numbered between 200 and 299.

Section 2: Availability

The programs described in Schedules numbered between 200 and 299 are available to Customers receiving their bundled natural gas service under the Company's natural gas tariff, in facilities permanently located or under construction for permanent location in the Company's natural gas distribution service territory. Through this open availability all Customers are therefore considered to be subscribing to Conservation services offered under Schedules numbered between 200 and 299. The services are available to owners of these facilities and also may be provided to tenants or other eligible parties who have obtained appropriate owner consent. Specific incentives may also be available to and divided among manufacturers, distributors, contractors, vendors, retailers or other entities who provide equipment or services, install or facilitate the installation of approved Measures in facilities receiving natural gas service under the Company's natural gas tariff. (C) (N) (N) (T)

Service provided under this schedule is limited to end-uses where natural gas is the energy source and to Measures which increase efficiency in the use of natural gas.

Section 3: Source of Funding

Schedule 120 of this tariff implements surcharges to collect all costs incurred in providing services, programs, other incentives or methods to encourage Customers to make investments in energy efficiency as described in Schedules numbered 200 through 299 of this tariff. Costs of services, programs and other incentives funded by federal or state government programs or other sources, if available, will not be recovered through Schedule 120. Availability of all services, programs, rebates and other incentives offered in Schedules numbered 200 through 299 is subject to the availability of funding through Schedule 120. Additional sources of funding may be specified in individual Energy Efficiency Programs. (C) (C) (C)

Section 4: Definitions (O)

Unless specifically indicated, the following terms when used in this schedule and in Energy Efficiency Schedules numbered between 200 and 299 shall have the meanings given below:

(Continued on Sheet No. 1183-A)

PUGET SOUND ENERGY
NATURAL GAS SCHEDULE NO. 183 (Continued)
NATURAL GAS CONSERVATION SERVICE

b. Regional Market Transformation: Northwest regional programs include projects aimed at advancing new promising technologies or changes to standards, codes and practices, which are anticipated to be cost-effective from a Total Resource Cost Test perspective over time.

c. Pilot Programs/Demonstrations Projects: Pilot programs and demonstration projects may be undertaken to determine whether certain strategies and Measures are cost-effective over an extended period of time. Pilots are employed to test cost-effective ways to demonstrate market opportunities for energy efficiency. Pilots may include tests of Measure Cost and performance, Customer acceptance or delivery methods. Pilots are not subject to achieving energy savings sufficient to demonstrate cost-effectiveness in the short term.

Section 10. Expenditures:

For years 2014~~2~~ and 2015~~3~~, the Company has budgeted $2~~4.2~~6.~~98~~ million to implement and effect cost-effective energy efficiency Measures/Conservation initiatives to achieve natural gas Conservation objectives mutually agreed to by the Company and the Conservation Resource Advisory Group (CRAG). (C)

Section 11. General Rules And Regulations:

Service under this schedule is subject to the general Rules and Regulations contained in this tariff.

Section 12. Termination:

Programs under this tariff will terminate

a. when any of the following or similar conditions exist or arise, with 30 days written notice to the CRAG:
   - Regional economic downturn, resulting in the cancellation of all or a portion of energy efficiency projects,
   - Force Majeure, such as events affecting the environment, regional economy, infrastructure, etc.,
   - Lack of Customer participation due to either of the above or other conditions beyond the Company's influence
   - Lack of qualified contractors to install approved Measures
   - The Company has achieved significant market penetration.

b. when the program is no longer cost effective; or ~~(T)~~

c. December 31, 2013, (C)

whichever comes first. However, commitments entered into prior to termination will be honored.

WN U-2

Third ~~Eleventh~~ Revision of Sheet No. 12027
Canceling
Eleventh~~Tenth~~ Revision of Sheet No. 1207

PUGET SOUND ENERGY
NATURAL GAS SCHEDULE NO. ~~207~~202 (C)
NATURAL GAS ENERGY EFFICIENCY PROGRAM
Energy Education

Section 1: Availability

Available to residents (Participants), residing in single-family, multi-family, or mobile homes receiving service under the Company's natural gas tariff. ~~(C)~~

Section 2: Services

The Company offers a variety of educational programs, where Participants increase their knowledge of energy efficiency and other resource use. By identifying conservation opportunities for their residence, including electricity and natural gas, Participants may also be educated in renewable technologies. ~~(C)~~ ~~(C)~~

Types of programs may include but are not limited to: ~~(N)~~

- Web-based learning
- Train the Trainer
- Workshops ~~(N)~~

Section 3: Schedule 183 ~~(D)~~~~(T)~~

Service under this schedule is subject to the provisions of Schedule 183, Natural Gas Conservation Service, contained in this tariff.

Section 4: General Rules and Regulations ~~(T)~~

Service under this schedule is subject to the rules and regulations contained in this tariff. ~~(D)~~

Issued: November~~December~~ 1, 2013~~0~~ **Effective**: January 1, 2014~~1~~
Advice No.: 2013~~0~~-nn~~32~~

Issued By Puget Sound Energy

By: _____ Ken Johnson~~Tom DeBoer~~ **Title**: Director, ~~Federal &~~ State Regulatory Affairs

PUGET SOUND ENERGY, INC.
NATURAL GAS SCHEDULE NO. 253 (C)
NATURAL GAS ENERGY EFFICIENCY PROGRAM
Resource Conservation Management~~r~~ ~~(RCM)~~ Program (T)

Section 1: Availability

Any school district, public-sector government agency, commercial, or industrial Customer with facilities receiving bundled natural gas service under the Company's natural gas tariff.

Section 2: Measures

Cost-effective natural gas savings, as well as savings involving other resources (e.g., electricity, propane, oil, water, sewer, solid waste and recycling) will be achieved through use of an on-site "Resource Conservation Manager" (RCM). The individual(s) will be retained by the Customer and accountable for bill savings attributable to efficiency improvements in:

a. Occupant and behavior practices by building occupants.
b. Operations and maintenance (O&M) practices by administrators, managers and operations personnel.

Section 3: Analysis

Baseline gas and other resource use and expenditures will be established. A facilities plan will be established and put in place. Tracking of implementation activities and monitoring of consumption and costs will be conducted on an ongoing basis and used as a basis for determining resource savings.

Section 4: Services

The Company will make a preliminary estimate with the Customer of the cost-effectiveness of the ~~RCM~~ program. Services may include, but are not limited to, the following, negotiated to meet the specific needs of the Customer: (T)

(Continued on Sheet No. 1253-A) (C)

Issued By Puget Sound Energy, Inc.

By: _____ Ken Johnson~~Tom DeBoer~~ **Title**: Director, ~~Federal &~~ State Regulatory Affairs

PUGET SOUND ENERGY, INC.
NATURAL GAS SCHEDULE NO. 253 (Continued) ~~(C)~~
NATURAL GAS ENERGY EFFICIENCY PROGRAM
Resource Conservation Management ~~(RCM)~~ Program

~~a. A guarantee that the Customer's total resource bill savings achieved by RCM activities exceed the salary of an RCM position. If not, the difference will be paid to the Customer, up to the value of the gas savings achieved.~~ (D) | (D)

~~b.~~a. Assistance in hiring and/or training a Resource Conservation Manager. (T)

~~c.~~b. Assistance in development of baseline resource use and expenditures, resource policy guidelines, and ongoing monitoring and reporting of resource use and expenditures. (T)

~~d.~~c. Partial funding of the RCM position, for a limited time; providing the Customer completes specified deliverables and achieves targeted savings, and there is mutual agreement for position's continuance after the period of funding support terminates. (T)

~~e.~~d. Access to electronic Company energy use data for importing to energy accounting software. (T)

~~f.~~e. Company-hosted periodic meetings to allow RCMs to evaluate and review resource management techniques with peers also participating in the program. (T)

~~g.~~f. Educational and other materials for classroom or building occupant use. (T)

~~h.~~g. Online energy-use monitoring services may be provided at no charge for up to two years at selected facilities, provided compatible metering and remote data retrieval capability is in place. PSE is not obligated to repair, replace or upgrade noncompatible meters. (T)

Section 5: Customer Obligations

Customers shall enter into an Resource Conservation Management Agreement with the Company, and therein must agree to retain the services of a RCM~~esource Conservation Manager~~ for their facilities. The RCM will routinely prepare energy accounting reports showing energy use and costs for each facility. Customers must commit staff necessary to continue resource monitoring efforts at a "match" of the time period for which the Company provides any guarantee. Furthermore, the Customer agrees to adopt a resource policy guide and incorporate the guidelines into standard practice for facility operations within one year of signing the agreement. The Resource Conservation Management Agreement will be reviewed annually to determine the cost-effectiveness and assess continuance, following which either party may terminate the agreement with 30 days notice. (T) (T) (T)

~~(C)~~

(Continued on Sheet No. 1253-B)

PUGET SOUND ENERGY, INC.
NATURAL GAS SCHEDULE NO. 253 (Continued) ~~(C)~~
NATURAL GAS ENERGY EFFICIENCY PROGRAM
Resource Conservation Management~~r~~ ~~(RCM)~~ Program (T)

Section 6: Schedule 183

Service under this schedule is subject to the provisions of Schedule 183, Natural Gas Conservation Service, contained in this tariff.

Section 7: General Rules and Regulations

Service under this schedule is subject to the rules and regulations contained in this tariff.

PUGET SOUND ENERGY, INC.
Electric Tariff G

SCHEDULE 83
ELECTRICITY CONSERVATION SERVICE

1. **PURPOSE:**

To promote the efficient use of electrical energy by providing Customers with access to information, products and incentives which will assist them in making conservation/energy efficiency decisions and investments as well as to promote Fuel Conversion and Fuel Switching. In compliance with RCW 19.285, the Company will also install Measures, as defined in Section 4 of this schedule, in Company-owned or operated distribution, transmission or generation facilities to achieve Conservation. Conservation/energy efficiency activities will be consistent with cost-effectiveness as defined by a Total Resource Cost Test. Company funding for services will be limited to cost-effectiveness defined by a Utility Cost Test using the Company's Energy Efficiency Cost Effectiveness Standard, also known as the Conservation Cost Effectiveness Standard. Individual programs are described under Schedules numbered between 200 and 299. (T) (N) (N)

2. **AVAILABILITY:**

Except for conservations Measures installed in Company-owned or operated distribution, transmission or generation facilities, the programs described in Schedules numbered between 200 and 299 are available to Customers receiving their electrical service under Electric Tariff G from the Company, in facilities permanently located or under construction for permanent location in the Company's electric distribution service territory. Through this open availability all Customers are therefore considered to be subscribing to Conservation services offered under Schedules numbered between 200 and 299. The services are available to owners of these facilities and also may be provided to tenants who have obtained appropriate owner consent. Specific incentives may also be available to and divided among manufacturers, distributors, contactors, vendors, retailers or other entities that provide equipment or services, install or facilitate the installation of approved Measures in facilities receiving Electric Service under the Company's Electric Tariff G. (N) (N) (N) (N) (C) (C)

Service provided under this schedule is limited to end-uses where electricity is the energy source and to Measures which increase efficiency in the use of electricity or that promote Fuel Conversion and Fuel Switching.

3. **SOURCE OF FUNDING:**

Schedule 120 of this tariff implements surcharges to collect all costs incurred in providing services, programs, other incentives or methods to encourage investments to be made in energy efficiency as described in Schedules numbered 200 through 299 of this tariff. Costs of services, programs and other incentives funded by Bonneville Power Administration (BPA) or other federal or state government programs, if available, will not be recovered through Schedule 120. Availability of all services, programs, rebates and other incentives offered in Schedules numbered 200 through 299 is subject to the availability of funding through Schedule 120. Additional sources of funding may be specified in individual Energy Efficiency Programs. (K) (K)

~~4. **DEFINITIONS:**~~

PUGET SOUND ENERGY, INC.
Electric Tariff G

~~Unless specifically indicated, the following terms when used in this schedule and in Energy Efficiency Schedules numbered between 200 and 299 shall have the meanings given below:~~

(K) Transferred to Sheet No. 83-a

PUGET SOUND ENERGY, INC.
Electric Tariff G

SCHEDULE 83
ELECTRICITY CONSERVATION SERVICE (Continued)

4. **DEFINITIONS:** (M)
Unless specifically indicated, the following terms when used in this schedule and in Energy Efficiency Schedules numbered between 200 and 299 shall have the meanings given below: (M)

a. **Avoided Cost**, also known by the terms Conservation Cost Effectiveness Standard or Energy Efficiency Cost Effectiveness Standard herein for conservation/energy efficiency activities and/or Measures is based on the market costs—projected by a power costing model—the Company would otherwise incur to provide energy and capacity from a generation source, either directly or indirectly or by contract plus credits for externalities and line losses and transmission/system distribution system benefits. ~~(N)~~ ~~(T)~~ ~~(T)~~

b. **Building Commissioning** is the process of verifying and documenting that the performance of building systems meets the design, intent, or the owner's current operational requirements. ~~(N)~~ ~~(N)~~

c. **Conservation** means any reduction in electric power consumption that results from increases in the efficiency of energy use, production or distribution or from demand response, load management or efficiency measures that reduce peak capacity demand. Energy Efficiency Programs in this tariff are for the purpose of achieving Conservation. ~~(N)~~ ~~(N)~~

d. **Energy Code** refers to the currently effective Washington State Energy Code, as amended, including amendments by local jurisdictions.

e. **Energy Efficiency Cost Effectiveness Standard** – see Avoided Cost. ~~(T)~~

f. **Energy Efficiency Programs** are programs described in Schedule of this tariff numbered between 200 and 299. ~~(T)~~

g. **Environmental Attribute** is the quantifiable benefit to society associated with displacing electricity generation needs by employing the practice of energy efficiency/conservation.

h. **Force Majeure** means factors, events or conditions beyond the control of the Company that negatively impact customer participation in its Energy Efficiency Programs, such as, but not limited to, a local economic recession or natural disaster. ~~(N)~~

i. **Fuel Conversion and fuel Switching** refer to the act of switching to the use of high efficiency equipment utilizing another fuel for the same end-use, such as the use of natural gas instead of electricity for space heating or water heating and using high efficiency natural gas equipment. For the purposes of this definition, high efficiency is in the Company's sole judgment and means equipment that exceed the minimum efficiency required by code, where such equipment is feasible and available. ~~(N)~~ ~~(K)~~ ~~(T)~~

j. **Incremental Measure Cost** is the incremental cost of an electricity efficient Measure in excess of the cost of a Measure required to satisfy existing codes of conform with existing construction practices. ~~(K)~~

(M) Transferred from to Sheet No. 83

PUGET SOUND ENERGY, INC.
Electric Tariff G

SCHEDULE 83
ELECTRICITY CONSERVATION SERVICE (Continued)

g. Efficiency services for special classes of Customers. (~~D~~)
(~~D~~)

h. Pilot projects to test new products, technologies, program delivery methods, electric conversion to natural gas, on-site generation of electricity, distribution system benefits or Customer acceptance.

i. Monitor or measure Energy usage or other efficiency indicators to analyze, verify or evaluate energy efficiency Measures.

j. Reporting and evaluation of the effectiveness of serviced provided, including participation in the development of regional evaluation protocols.

k. Conservation savings from the Company's electric generation, transmission and/or distribution facilities. (~~N~~)
(~~N~~)

6. **ANALYSES:**
Unless otherwise specified in applicable Energy Efficiency Programs, the Company will use energy savings estimates based on analyses using standard engineering techniques, regionally accepted standards, historical energy use, current operations, existing equipment, on-site data acquisition, Customer input and Measures implemented. The Company reserved the right to modify Customer, owner, tenant or third party energy savings estimates.

For retrofit measures, energy savings estimates will use the efficiency of the existing product, device, piece of equipment, system or building design, or operational practice to determine baseline energy use.

For incremental Measures, energy savings estimates will use Energy C~~c~~ode requirements or, where no such code exists, standard industry practice as determined by the Company to determine minimum baseline energy use. (O)
(~~K~~)

~~(K) Transferred to Sheet No. 83-f~~

PUGET SOUND ENERGY, INC.
Electric Tariff G

SCHEDULE 83
ELECTRICITY CONSERVATION SERVICE (Continued)

10. **EXPENDITURES:**

For years 2014~~2~~ through 2015~~3~~, the Company has budgeted $187.97~~93.38~~ million to implement and effect residential and commercial/industrial cost-effective energy efficiency Measures and Conservation initiatives to achieve electricity Conservation objectives mutually agreed to by the Company and the Conservation Resource Advisory Group (CRAG). (C)

In addition, during the years 2014~~2~~ through 2015~~3~~, the amount of ~~$0.08 million is budgeted for Schedule 249A Demand Response Pilot Programs, and~~ $817,000~~0.93 million~~ is budgeted for ~~Schedule 248 Small Scale Renewable Electricity Generation and~~ Schedule 150 Net Metering p~~P~~rograms. (C) (C)

11. **TERMINATION:**

Programs under this tariff will terminate

a. When any of the following or similar conditions exist or arise, with 30 days written notice to the CRAG:
   - Regional economic downturn, resulting in the cancellation of all or a portion of energy efficiency projects,
   - Force Majeure, such as events affecting the environment, regional economy, infrastructure, etc.,
   - Lack of Customer participation due to either of the above or other conditions beyond the Company's influence
   - Lack of qualified contractors to install approved Measures
   - The Company has achieved significant market penetration.

b. When a program is no longer cost effective; or

c. December 31, 2015~~3~~, whichever comes first. However, commitments entered into prior to termination will be honored and Schedule 258 will continue through December 31, 2017~~4~~. (C) (C)

12. **CUSTOMERS WHO CHANGE PROVIDER OF ELECTRIC SERVICE:** ~~(N)~~ ~~(K)~~

Customers who have received funding from PSE for a Conservation Measure or Measures who, after receipt of such funding, have all or a portion of the electricity provided by a party other than PSE and thereby no longer contribute to the recovery of costs of Energy Efficiency Programs, except for amounts less than $100, shall be obligated to refund to PSE, by the due date of PSE's invoice for such refund, an amount equal to the ratio of the unused Measure Life of the Measure to the total Measure Life of the Measure multiplied by the dollar amount of the Conservation funding provided by PSE, for each Measure. The Customer will have the option to enter into an installment plan when amounts owing are greater than $3,000. Terms of the installment plan will allow the Customer to repay over a period not to exceed 10 years, with a minimum monthly payment of not less than $250. The monthly installment will be based on a simple annuity calculation, or the minimum monthly installment of $250, and will include interest at the Company's after tax overall authorized rate of return grossed up for taxes at the time the installment plan is established. ~~(K)~~ ~~(N)~~

~~(K) Transferred to Sheet No. 83-h~~

PUGET SOUND ENERGY, INC.
Electric Tariff G

SCHEDULE 253
ELECTRICITY ENERGY EFFICIENCY PROGRAM
~~Resource Conservation Manager (RCM) Program~~Resource Conservation Management Program (T)

1. **AVAILABILITY:**
Any school district, public-sector government agency, commercial, or industrial Customer with multiple accounts or facilities with qualifying usage receiving Electric Service under Electric Tariff G from the Company.

2. **MEASURES:**
Cost-effective electricity savings, as well as savings involving other resources (e.g., natural gas, propane, oil, water, sewer, solid waste and recycling) will be achieved through use of an on-site Resource Conservation Manager (RCM). This individual(s) will be retained by the Customer and accountable for bill savings attributable to efficiency improvements in:
   a. Occupant and behavior practices by building occupants
   b. Operations and maintenance (O&M) practices by administrators, managers and operations personnel

3. **ANALYSIS:**
Baseline electricity and other resource use and expenditures will be established. A facilities plan will be established and put in place. Tracking of implementation activities and monitoring of consumption and costs will be conducted on an ongoing basis and used as a basis for determining resource savings.

4. **SERVICES:**
The Company will make a preliminary estimate with the Customer of the cost-effectiveness of the ~~RCM~~ program. Services may include, but are not limited to the following, negotiated to meet the specific needs of the Customer: (T)
   ~~a. A guarantee that the Customer's total resource bill savings achieved by RCM activities exceed the salary of an RCM position. If not, the difference will be paid to the Customer, up to the value of the electricity savings achieved.~~ (D) | (D)
   ~~b.~~a. Assistance in hiring and/or training a Resource Conservation Manager. (T)
   ~~c.~~b. Assistance in development of baseline resource use and expenditures, resource policy guidelines, and ongoing monitoring and reporting of resource use and expenditures. (T)
   ~~d.~~c. Partial funding of the RCM position, for a limited time; providing the Customer completes specified deliverables and achieves targeted savings, and there is mutual agreement for position's continuance after the period of funding support terminates. (T) ~~(N)~~

PUGET SOUND ENERGY, INC.
Electric Tariff G

PUGET SOUND ENERGY, INC.
Electric Tariff G

SCHEDULE 253
ELECTRICITY ENERGY EFFICIENCY PROGRAM (Continued)
~~Resource Conservation Manager (RCM) Program~~Resource Conservation Management Program (T)

d. Access to electronic PSE energy use data for importing to energy accounting software. (T)
e. Company hosted periodic meetings to allow RCMs to evaluate and review resource management techniques with peers also participating in the program. (T)
f. Educational and other materials for classroom or building occupant use. (T)
g. On-line energy-use monitoring services may be provided at no charge for up to two years at selected facilities, provided compatible metering and remote data retrieval capability is in place. PSE is not obligated to repair, replace or upgrade noncompatible meters. (T)

5. **FUNDING:**
Funding is subject to Company-approved savings estimates and analysis. Funding for Customers on Schedules 448, 449, 458 and 459 will be through their individual allocations under Schedule 258.

6. **CUSTOMER OBLIGATIONS:**
Customers shall enter into a Resource Conservation Management Agreement with the Company, and (T)
therein must agree to retain the services of a RCM~~RSM Resource Conservation Manager~~ for their (T)
facilities. The RCM will routinely prepare energy accounting reports showing energy use and costs for each facility. Customers must commit staff necessary to continue resource monitoring efforts at a "match" of the time period for which the Company provides any guarantee. Furthermore, the Customer agrees to adopt a resource policy guide and incorporate the guidelines into standard practice for facility operations within one year of signing the Agreement. The Resource Conservation Management (T)
Agreement will be reviewed annually to determine the cost-effectiveness and assess continuance, following which either party may terminate the agreement with 30 days written notice.

~~(T)~~

7. **SCHEDULE 83:**
Service under this schedule is subject to the provisions of Schedule 83, Electricity Conservation Service, contained in this tariff.

8. **GENERAL RULES AND PROVISIONS:**
Service under this schedule is subject to the General Rules and Provisions contained in this tariff.

PUGET SOUND ENERGY, INC.
Electric Tariff G

SCHEDULE 292
ELECTRICITY ENERGY EFFICIENCY PROGRAM (Continued)
Company-Owned or Operated Facilities

6. **SOURCE OF FUNDING:**
Funding is subject to Company-approved savings estimates and analyses. Project funding will be based on the Company's Energy Efficiency Cost-Effectiveness Standard. The Company's cost of implementing these services may reasonably be expected to result in achievable cost-effective energy savings using a Total Resource Cost Test. Schedule 120 of this tariff will collect ~~T~~the costs incurred by the Company for: (C)

a. Measure assessment, preparation of savings estimates, preparation of cost effectiveness calculations, preparation of performance specifications, verification, tracking and reporting, and (N)
incremental program management costs (N) but no incentive or rebate for the cost of Measure equipment purchase or for Measure (T) installation or Measure (T) implementation except as provided in b. below.~~; and~~
b. Using contractors or service providers to implement cost-effective Measures in generation or Distribution facilities.~~;~~ (T)

~~will be recovered through electric rates set in a future general rate proceeding, including costs incurred for t~~The purchase of equipment and installation cost for Measures installed or implemented by Company employees will not be recovered through Schedule 120. (D) (C) (C)

7. **SCHEDULE 83:**
Service under this schedule is subject to the provisions of Schedule 83, Electricity Conservation Service, contained in this tariff, except that funding for this Electricity Energy Efficiency Program will be through a combination of general rates for electric service and ~~rather than through~~ Schedule 120. (C) (C)

8. **GENERAL RULES AND PROVISIONS:**
Service under this schedule is subject to the General Rules and Provisions contained in this tariff.