	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	PS-PG EX. 1.6B																
2	EEPS Adjustable Savings Goal Template - *Program-Level Adjustments Tab*																
3	*Updated 09/30/16*																
4	Program Administrator: Peoples Gas																
5		**June 1, 2017 - May 31, 2018, EPY10/GPY7**				**June 1, 2018 - May 31, 2019, EPY11/GPY8**				**June 1, 2019 - May 31, 2020, EPY12/GPY9**				**June 1, 2017 - May 31, 2020, Electric Plan 4/Gas Plan 3**			
6		**Plan Energy Savings Goal**	**Adjusted Energy Savings Goal**	**Energy Savings Adjustment to Plan Goal**	**Brief Explanation of Significant Adjustments**	**Plan Energy Savings Goal**	**Adjusted Energy Savings Goal**	**Energy Savings Adjustment to Plan Goal**	**Brief Explanation of Significant Adjustments**	**Plan Energy Savings Goal**	**Adjusted Energy Savings Goal**	**Energy Savings Adjustment to Plan Goal**	**Brief Explanation of Significant Adjustments**	**Plan Energy Savings Goal**	**Adjusted Energy Savings Goal**	**Energy Savings Adjustment to Plan Goal**	**Energy Savings**
7	**Program**	**EPY10/GPY7**	**EPY10/GPY7**	**EPY10/GPY7**	**EPY10/GPY7**	**EPY11/GPY8**	**EPY11/GPY8**	**EPY11/GPY8**	**EPY11/GPY8**	**EPY12/GPY9**	**EPY12/GPY9**	**EPY12/GPY9**	**EPY12/GPY9**	**Electric Plan 4/Gas Plan 3**	**Electric Plan 4/Gas Plan 3**	**Electric Plan 4/Gas Plan 3**	**kWh or Therms?**
8	*(a)*	*(b)*	*(c)*	*(d)=(c-b)*	*(e)*	*(f)*	*(g)*	*(h)=(g-f)*	*(i)*	*(j)*	*(k)*	*(l)=(k-j)*	*(m)*	*(n)=(b+f+j)*	*(o)=(c+g+k)*	*(p)=(o-n)*	*(q)*
9	Res - Outreach & Education	597,772	0			597,772	0			597,772	0			1,793,316	0		Therms
10	Res - SF Assessments	691,266	0			691,266	0			691,266	0			2,073,797	0		Therms
11	Res - MF Assessments	379,135	0			379,135	0			379,135	0			1,137,406	0		Therms
12	Res - SF Rebates	599,711	0			599,711	0			599,711	0			1,799,132	0		Therms
13	Res - MF Rebates	2,495,787	0			2,495,787	0			2,495,787	0			7,487,360	0		Therms
14	Bus - CI Assessments	1,450,178	0			1,450,178	0			1,450,178	0			4,350,534	0		Therms
15	Bus - SB Assessments	100,243	0			100,243	0			100,243	0			300,728	0		Therms
16	Bus - CI Rebates	1,567,886	0			1,579,231	0			1,586,619	0			4,733,735	0		Therms
17	Bus - SB Rebates	647,735	0			749,393	0			909,770	0			2,306,898	0		Therms
18	Low Income - Outreach & Education	201,763	0			201,763	0			201,763	0			605,290	0		Therms
19	Low Income - SF Retrofit	53,747	0			53,747	0			53,747	0			161,241	0		Therms
20	Low Income - MF Retrofit	709,574	0			709,574	0			709,574	0			2,128,722	0		Therms
21	Low Income - SF New Construction	25,894	0			25,894	0			25,894	0			77,682	0		Therms
22	Low Income - MF New Construction	61,000	0			61,000	0			61,000	0			183,000	0		Therms
23	**Portfolio Total (kWh)**	**0**	**0**	**0**		**0**	**0**	**0**		**0**	**0**	**0**		**0**	**0**	**0**	**kWh**
24	**Portfolio Total (Therms)**	**9,581,690**	**0**	**0**		**9,694,693**	**0**	**0**		**9,862,459**	**0**	**0**		**29,138,841**	**0**	**0**	**Therms**

PS-PG EX. 1.6B

EEPS Adjustable Savings Goal Template - *Measure-Level Adjustments Tab*

Updated 09/30/16

Program Administrator: Peoples Gas

					Approved Energy Efficiency Plan Key Assumptions - Plan Participation				Approved Energy Efficiency Plan Key Assumptions					Approved Energy Efficiency Plan Key Assumptions						
					Plan Number of Units (Fixed Parameters for Calculating Adjustable Savings Goals)				Plan Gross Unit Savings					Plan Net-to-Gross Values			Plan Energy Savings Goals			
Program	**Measure**	Energy Savings: kWh or Therms?	IL-TRM Adjustable? (1 if yes; 0 if no)	IL-TRM Section / Custom	Unit of Participation	**EPY10/GPY7 Plan Number of Units (Fixed)**	**EPY11/GPY8 Plan Number of Units (Fixed)**	**EPY12/GPY9 Plan Number of Units (Fixed)**	IL-TRM Measure Code from IL-TRMv5.0	Reference Document Explaining Gross Unit Savings Calculation Details	EPY10/GPY7 Plan Gross Unit Savings	EPY11/GPY8 Plan Gross Unit Savings	EPY12/GPY9 Plan Gross Unit Savings	EPY10/GPY7 Plan NTG	EPY11/GPY8 Plan NTG	EPY12/GPY9 Plan NTG	EPY10/GPY7 Plan Goal	EPY11/GPY8 Plan Goal	EPY12/GPY9 Plan Goal	Total Electric Plan 4/Gas Plan 3 Goal
(a)	*(b)*	*(c)*	*(d)*	*(e)*	*(f)*	*(g)*	*(h)*	*(i)*	*(j)*	*(k)*	*(l)*	*(m)*	*(n)*	*(o)*	*(p)*	*(q)*	*(r)=(g x l x o)*	*(s)=(h x m x p)*	*(t)=(i x n x q)*	*(u)=(r+s+t)*
Res - Outreach & Education	Behavior	Therms	1	6.1.1	each	32,384	32,384	32,384	CC-BEH-BEHP-V01-170601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	16.9	16.9	16.9	100%	100%	100%	547,772	547,772	547,772	1,643,316
Res - Outreach & Education	Energy Education	Therms	0	Custom	each	5,000	5,000	5,000	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	10.0	10.0	10.0	100%	100%	100%	50,000	50,000	50,000	150,000
Res - SF Assessments	Bathroom Aerator	Therms	1	5.4.4	each	12,250	12,250	12,250	RS-HWE-LFFA-V05-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.7	0.7	0.7	96%	96%	96%	8,149	8,149	8,149	24,446
Res - SF Assessments	Kitchen Aerator	Therms	1	5.4.4	each	6,750	6,750	6,750	RS-HWE-LFFA-V05-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	5.6	5.6	5.6	96%	96%	96%	36,317	36,317	36,317	108,952
Res - SF Assessments	Showerhead	Therms	1	5.4.5	each	14,250	14,250	14,250	RS-HWE-LFSH-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	14.0	14.0	14.0	96%	96%	96%	192,063	192,063	192,063	576,190
Res - SF Assessments	Pipe Insulation (DHW)	Therms	1	5.4.1	ft	41,514	41,514	41,514	RS-HVC-PINS-V02-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.0	1.0	1.0	96%	96%	96%	39,504	39,504	39,504	118,512
Res - SF Assessments	Pipe Insulation (Boiler)	Therms	1	5.3.2	ft	20,250	20,250	20,250	RS-HVC-PINS-V02-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.4	0.4	0.4	96%	96%	96%	8,078	8,078	8,078	24,234
Res - SF Assessments	Programmable Thermostat - Furnace	Therms	1	5.3.11	each	2,500	2,500	2,500	RS-HVC-PROG-V03-140601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	62.3	62.3	62.3	96%	96%	96%	149,544	149,544	149,544	448,632
Res - SF Assessments	Programmable Thermostat - Boiler	Therms	1	5.3.11	each	250	250	250	RS-HVC-PROG-V03-140601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	75.5	75.5	75.5	96%	96%	96%	18,124	18,124	18,124	54,372
Res - SF Assessments	Advanced Thermostat - Furnace (Replace Manual)	Therms	1	5.3.16	each	625	625	625	RS-HVC-ADTH-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	88.4	88.4	88.4	100%	100%	100%	55,275	55,275	55,275	165,825
Res - SF Assessments	Advanced Thermostat - Boiler (Replace Manual)	Therms	1	5.3.16	each	125	125	125	RS-HVC-ADTH-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	107.2	107.2	107.2	100%	100%	100%	13,398	13,398	13,398	40,194
Res - SF Assessments	Advanced Thermostat - Furnace (Replace Programmable)	Therms	1	5.3.16	each	625	625	625	RS-HVC-ADTH-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	56.3	56.3	56.3	100%	100%	100%	35,175	35,175	35,175	105,525
Res - SF Assessments	Advanced Thermostat - Boiler (Replace Programmable)	Therms	1	5.3.16	each	125	125	125	RS-HVC-ADTH-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	68.2	68.2	68.2	100%	100%	100%	8,526	8,526	8,526	25,578
Res - SF Assessments	Thermostat - Reprogram	Therms	1	5.3.11	each	2,125	2,125	2,125	RS-HVC-PROG-V03-140601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	62.3	62.3	62.3	96%	96%	96%	127,112	127,112	127,112	381,337
Res - MF Assessments	Bathroom Aerator	Therms	1	5.4.4	each	12,040	12,040	12,040	RS-HWE-LFFA-V05-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.2	1.2	1.2	92%	92%	92%	13,829	13,829	13,829	41,487
Res - MF Assessments	Kitchen Aerator	Therms	1	5.4.4	each	9,380	9,380	9,380	RS-HWE-LFFA-V05-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	5.1	5.1	5.1	92%	92%	92%	44,243	44,243	44,243	132,730
Res - MF Assessments	Showerhead	Therms	1	5.4.5	each	9,380	9,380	9,380	RS-HWE-LFSH-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	17.9	17.9	17.9	92%	92%	92%	154,438	154,438	154,438	463,315
Res - MF Assessments	Pipe Insulation (DHW)	Therms	1	5.4.1	ft	38,640	38,640	38,640	RS-HVC-PINS-V02-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.0	1.0	1.0	92%	92%	92%	35,237	35,237	35,237	105,711
Res - MF Assessments	Pipe Insulation (Boiler)	Therms	1	5.3.2	ft	18,849	18,849	18,849	RS-HVC-PINS-V02-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.4	0.4	0.4	92%	92%	92%	7,206	7,206	7,206	21,618
Res - MF Assessments	Programmable Thermostat - Furnace	Therms	1	5.3.11	each	1,785	1,785	1,785	RS-HVC-PROG-V03-140601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	40.5	40.5	40.5	92%	92%	92%	66,512	66,512	66,512	199,535
Res - MF Assessments	Programmable Thermostat - Boiler	Therms	1	5.3.11	each	595	595	595	RS-HVC-PROG-V03-140601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	49.1	49.1	49.1	92%	92%	92%	26,869	26,869	26,869	80,608
Res - MF Assessments	Advanced Thermostat - Furnace (Replace Manual)	Therms	1	5.3.16	each	28	28	28	RS-HVC-ADTH-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	57.5	57.5	57.5	100%	100%	100%	1,610	1,610	1,610	4,829
Res - MF Assessments	Advanced Thermostat - Boiler (Replace Manual)	Therms	1	5.3.16	each	0	0	0	RS-HVC-ADTH-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	69.7	69.7	69.7	100%	100%	100%	0	0	0	0
Res - MF Assessments	Advanced Thermostat - Furnace (Replace Programmable)	Therms	1	5.3.16	each	28	28	28	RS-HVC-ADTH-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	36.6	36.6	36.6	100%	100%	100%	1,024	1,024	1,024	3,073
Res - MF Assessments	Advanced Thermostat - Boiler (Replace Programmable)	Therms	1	5.3.16	each	0	0	0	RS-HVC-ADTH-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	44.3	44.3	44.3	100%	100%	100%	0	0	0	0
Res - MF Assessments	Thermostat - Reprogram	Therms	1	5.3.11	each	140	140	140	RS-HVC-PROG-V03-140601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	40.5	40.5	40.5	92%	92%	92%	5,217	5,217	5,217	15,650
Res - MF Assessments	Gas Optimization	Therms	0	Custom	therm	22,500	22,500	22,500	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.0	1.0	1.0	102%	102%	102%	22,950	22,950	22,950	68,850
Res - SF Rebates	Boiler - DHW Two-in-One	Therms	1	5.3.6	each	10	10	10	RS-HVC-GHEB-V05-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	163.9	163.9	163.9	81%	81%	81%	1,328	1,328	1,328	3,983
Res - SF Rebates	Boiler ≥90% AFUE, <300MBh	Therms	1	5.3.6	each	30	30	30	RS-HVC-GHEB-V05-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	132.0	132.0	132.0	81%	81%	81%	3,208	3,208	3,208	9,625
Res - SF Rebates	Boiler ≥95% AFUE, <300MBh	Therms	1	5.3.6	each	16	16	16	RS-HVC-GHEB-V05-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	203.3	203.3	203.3	81%	81%	81%	2,634	2,634	2,634	7,903
Res - SF Rebates	Furnace >95% AFUE	Therms	1	5.3.7	each	1,600	1,600	1,600	RS-HVC-GHEF-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	164.6	164.6	164.6	57%	57%	57%	150,120	150,120	150,120	450,360
Res - SF Rebates	Furnace >97% AFUE	Therms	1	5.3.7	each	350	350	350	RS-HVC-GHEF-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	182.7	182.7	182.7	57%	57%	57%	36,450	36,450	36,450	109,350
Res - SF Rebates	Programmable Thermostat - Furnace	Therms	1	5.3.11	each	0	0	0	RS-HVC-PROG-V03-140601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	34.9	34.9	34.9	81%	81%	81%	0	0	0	0
Res - SF Rebates	Programmable Thermostat - Boiler	Therms	1	5.3.11	each	0	0	0	RS-HVC-PROG-V03-140601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	42.3	42.3	42.3	81%	81%	81%	0	0	0	0
Res - SF Rebates	Advanced Thermostat - Furnace (Replace Manual)	Therms	1	5.3.16	each	1,408	1,408	1,408	RS-HVC-ADTH-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	88.4	88.4	88.4	100%	100%	100%	124,524	124,524	124,524	373,571
Res - SF Rebates	Advanced Thermostat - Boiler (Replace Manual)	Therms	1	5.3.16	each	485	485	485	RS-HVC-ADTH-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	107.2	107.2	107.2	100%	100%	100%	51,984	51,984	51,984	155,953
Res - SF Rebates	Advanced Thermostat - Furnace (Replace Programmable)	Therms	1	5.3.16	each	1,935	1,935	1,935	RS-HVC-ADTH-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	56.3	56.3	56.3	100%	100%	100%	108,902	108,902	108,902	326,705
Res - SF Rebates	Advanced Thermostat - Boiler (Replace Programmable)	Therms	1	5.3.16	each	660	660	660	RS-HVC-ADTH-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	68.2	68.2	68.2	100%	100%	100%	45,017	45,017	45,017	135,052
Res - SF Rebates	Air Sealing	Therms	1	5.6.1	CFM_50	297,296	297,296	297,296	RS-SHL-AIRS-V05-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.1	0.1	0.1	81%	81%	81%	18,546	18,546	18,546	55,639
Res - SF Rebates	Attic Insulation	Therms	1	5.6.4	sq ft	480,000	480,000	480,000	RS-SHL-AINS-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.1	0.1	0.1	81%	81%	81%	26,051	26,051	26,051	78,152
Res - SF Rebates	Duct Sealing	Therms	1	5.3.4	CFM_25	24,000	24,000	24,000	RS-HVC-DINS-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.7	0.7	0.7	81%	81%	81%	13,793	13,793	13,793	41,378
Res - SF Rebates	New Construction 20-25% over IL 2015 Code	Therms	0	Custom	each	50	50	50	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	256.5	256.5	256.5	65%	65%	65%	8,336	8,336	8,336	25,009
Res - SF Rebates	New Construction 25-30% over IL 2015 Code	Therms	0	Custom	each	20	20	20	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	361.0	361.0	361.0	65%	65%	65%	4,693	4,693	4,693	14,079
Res - SF Rebates	New Construction 30-40% over IL 2015 Code	Therms	0	Custom	each	10	10	10	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	475.0	475.0	475.0	65%	65%	65%	3,088	3,088	3,088	9,263
Res - SF Rebates	New Construction ≥40% over IL 2015 Code	Therms	0	Custom	each	2	2	2	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	798.0	798.0	798.0	65%	65%	65%	1,037	1,037	1,037	3,112
Res - MF Rebates	Boiler ≥88% AFUE, <300MBh	Therms	1	4.4.10	MBH	9,750	9,750	9,750	CI-HVC-BOIL-V05-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.2	1.2	1.2	92%	92%	92%	11,059	11,059	11,059	33,178
Res - MF Rebates	Boiler ≥88% AFUE, ≥300MBh TE	Therms	1	4.4.10	MBH	33,250	33,250	33,250	CI-HVC-BOIL-V05-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.7	1.7	1.7	92%	92%	92%	51,544	51,544	51,544	154,632
Res - MF Rebates	Boiler Reset Controls	Therms	1	4.4.4	each	40	40	40	CI-HVC-BLRC-V03-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	269.6	269.6	269.6	92%	92%	92%	9,921	9,921	9,921	29,764
Res - MF Rebates	Boiler Tune Up - Process	Therms	1	4.4.3	MBH	12,000	12,000	12,000	CI-HVC-PBTU-V05-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.8	0.8	0.8	92%	92%	92%	9,254	9,254	9,254	27,762
Res - MF Rebates	Boiler Tune Up - Space Heating	Therms	1	4.4.2	MBH	15,000	15,000	15,000	CI-HVC-BLRT-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.4	0.4	0.4	92%	92%	92%	5,431	5,431	5,431	16,292
Res - MF Rebates	Condensing Unit Heater	Therms	1	4.4.5	MBH	0	0	0	CI-HVC-CUHT-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.8	1.8	1.8	92%	92%	92%	0	0	0	0
Res - MF Rebates	Direct Fired Heaters	Therms	0	Custom	MBH	0	0	0	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	2.4	2.4	2.4	92%	92%	92%	0	0	0	0
Res - MF Rebates	Furnace >95% AFUE	Therms	1	4.4.11	each	20	20	20	CI-HVC-FRNC-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	248.1	248.1	248.1	57%	57%	57%	2,829	2,829	2,829	8,486
Res - MF Rebates	Furnace >95% AFUE (MF Unit)	Therms	1	5.3.7	each	15	15	15	RS-HVC-GHEF-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	107.0	107.0	107.0	57%	57%	57%	915	915	915	2,744
Res - MF Rebates	High Speed Washer	Therms	0	Custom	lb-capacity	11,750	11,750	11,750	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	3.7	3.7	3.7	92%	92%	92%	40,278	40,278	40,278	120,834
Res - MF Rebates	Infrared Heater	Therms	1	4.4.12	MBH	0	0	0	CI-HVC-IRHT-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	3.0	3.0	3.0	92%	92%	92%	0	0	0	0
Res - MF Rebates	Ozone Laundry	Therms	1	4.3.6	lb-capacity	10,000	10,000	10,000	CI-HW-OZLD-VO1-140601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	30.7	30.7	30.7	92%	92%	92%	282,649	282,649	282,649	847,946
Res - MF Rebates	Pipe Insulation - Hyd. Boiler Sm <=1.25"	Therms	1	4.4.14	ft	5,775	5,775	5,775	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	2.3	2.3	2.3	92%	92%	92%	12,226	12,226	12,226	36,678
Res - MF Rebates	Pipe Insulation - Hyd. Boiler Med 1.25-2"	Therms	1	4.4.14	ft	6,525	6,525	6,525	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	3.6	3.6	3.6	92%	92%	92%	21,632	21,632	21,632	64,895
Res - MF Rebates	Pipe Insulation - Hyd. Boiler Large >=2"	Therms	1	4.4.14	ft	3,525	3,525	3,525	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	6.2	6.2	6.2	92%	92%	92%	20,064	20,064	20,064	60,191
Res - MF Rebates	Pipe Insulation - HW Small 1" to 2"	Therms	1	4.4.14	ft	1,125	1,125	1,125	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	3.1	3.1	3.1	92%	92%	92%	3,246	3,246	3,246	9,737
Res - MF Rebates	Pipe Insulation - HW Medium 2.1" to 4"	Therms	1	4.4.14	ft	1,050	1,050	1,050	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	6.2	6.2	6.2	92%	92%	92%	5,984	5,984	5,984	17,951
Res - MF Rebates	Pipe Insulation - HW Large >4"	Therms	1	4.4.14	ft	300	300	300	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	10.7	10.7	10.7	92%	92%	92%	2,946	2,946	2,946	8,837
Res - MF Rebates	Pipe Insulation - Steam - Small 1" to 2"	Therms	1	4.4.14	ft	34,500	34,500	34,500	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	4.0	4.0	4.0	92%	92%	92%	125,916	125,916	125,916	377,747
Res - MF Rebates	Pipe Insulation - Steam - Med 2.1" to 5"	Therms	1	4.4.14	ft	49,500	49,500	49,500	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	13.6	13.6	13.6	92%	92%	92%	618,315	618,315	618,315	1,854,945
Res - MF Rebates	Pipe Insulation - Steam - Large 5.1" to 8"	Therms	1	4.4.14	ft	26,625	26,625	26,625	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	30.2	30.2	30.2	92%	92%	92%	739,926	739,926	739,926	2,219,779
Res - MF Rebates	Pipe Insulation - Steam - X-Large >8"	Therms	1	4.4.14	ft	7,650	7,650	7,650	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	44.8	44.8	44.8	92%	92%	92%	315,404	315,404	315,404	946,211
Res - MF Rebates	Pipe Insulation - Steam Med Fitting	Therms	1	4.4.14	each	658	658	658	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	15.6	15.6	15.6	92%	92%	92%	9,435	9,435	9,435	28,305
Res - MF Rebates	Pipe Insulation - Steam Large Fitting	Therms	1	4.4.14	each	356	356	356	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	63.8	63.8	63.8	92%	92%	92%	20,904	20,904	20,904	62,712
Res - MF Rebates	Pipe Insulation - Steam X-Large Fitting	Therms	1	4.4.14	each	27	27	27	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	123.5	123.5	123.5	92%	92%	92%	3,067	3,067	3,067	9,201
Res - MF Rebates	Pipe Insulation - Steam Med Valve	Therms	1	4.4.14	each	29	29	29	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	46.6	46.6	46.6	92%	92%	92%	1,243	1,243	1,243	3,730
Res - MF Rebates	Pipe Insulation - Steam Large Valve	Therms	1	4.4.14	each	22	22	22	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	133.9	133.9	133.9	92%	92%	92%	2,710	2,710	2,710	8,131
Res - MF Rebates	Pipe Insulation - Steam X-Large Valve	Therms	1	4.4.14	each	10	10	10	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	218.0	218.0	218.0	92%	92%	92%	2,006	2,006	2,006	6,017
Res - MF Rebates	Steam Boiler ≥82% AFUE, <300MBh	Therms	1	4.4.10	MBH	2,400	2,400	2,400	CI-HVC-BOIL-V05-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.4	0.4	0.4	92%	92%	92%	930	930	930	2,790
Res - MF Rebates	Steam Boiler ≥82% AFUE, >300MBh TE	Therms	1	4.4.10	MBH	27,000	27,000	27,000	CI-HVC-BOIL-V05-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.6	0.6	0.6	92%	92%	92%	15,894	15,894	15,894	47,683
Res - MF Rebates	Steam Boiler Averaging Controls	Therms	1	4.4.36	each	235	235	235	CI-HVC-SBAC-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	61.1	61.1	61.1	92%	92%	92%	13,207	13,207	13,207	39,622
Res - MF Rebates	Steam Traps - Dry Cleaner/Industrial	Therms	1	4.4.16	each	87	87	87	CI-HVC-STRE-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	255.4	255.4	255.4	92%	92%	92%	20,443	20,443	20,443	61,328
Res - MF Rebates	Steam Traps - HVAC Repair/Rep - Audit	Therms	1	4.4.16	each	52	52	52	CI-HVC-STRE-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	204.0	204.0	204.0	92%	92%	92%	9,759	9,759	9,759	29,278
Res - MF Rebates	Steam Traps - HVAC Repair/Rep - No Audit	Therms	1	4.4.16	each	85	85	85	CI-HVC-STRE-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	55.1	55.1	55.1	92%	92%	92%	4,307	4,307	4,307	12,922
Res - MF Rebates	Steam Traps - Test	Therms	0	Custom	each	62	62	62	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.0	0.0	0.0	92%	92%	92%	0	0	0	0
Res - MF Rebates	Thermostat - Programmable	Therms	1	4.4.18	each	0	0	0	CI-HVC-PROG-V02-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	126.1	126.1	126.1	92%	92%	92%	0	0	0	0
Res - MF Rebates	Water Heater 88% TE - Central Plant	Therms	1	4.3.7	unit	12	12	12	CI-HW_-MDHW-V02-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	46.2	46.2	46.2	92%	92%	92%	510	510	510	1,531
Res - MF Rebates	Water Heater 88% TE - Central Plant (Lodging)	Therms	1	4.3.1	MBH	0	0	0	CI-HW_-STWH-V02-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.5	0.5	0.5	92%	92%	92%	0	0	0	0
Res - MF Rebates	Air Sealing	Therms	1	5.6.1	CFM_50	43,486	43,486	43,486	RS-SHL-AIRS-V05-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.1	0.1	0.1	92%	92%	92%	3,241	3,241	3,241	9,723
Res - MF Rebates	Duct Sealing	Therms	1	5.3.4	CFM_25	6,000	6,000	6,000	RS-HVC-DINS-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.7	0.7	0.7	92%	92%	92%	3,916	3,916	3,916	11,749
Res - MF Rebates	Multifamily Custom	Therms	0	Custom	therm	134,200	134,200	134,200	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.0	1.0	1.0	78%	78%	78%	104,676	104,676	104,676	314,028
Bus - CI Assessments	Aerator - Bathroom	Therms	1	4.3.2	each	70	70	70	CI-HWE-LFFA-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	6.1	6.1	6.1	79%	79%	79%	338	338	338	1,013
Bus - CI Assessments	Aerator - Kitchen	Therms	1	4.3.2	each	16	16	16	CI-HWE-LFFA-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	7.4	7.4	7.4	79%	79%	79%	94	94	94	282
Bus - CI Assessments	Showerhead	Therms	1	5.4.5	each	2	2	2	RS-HWE-LFSH-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	21.6	21.6	21.6	79%	79%	79%	34	34	34	103
Bus - CI Assessments	Pre Rinse Sprayer	Therms	1	4.2.11	each	0	0	0	CI-FSE-SPRY-V03-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	343.8	343.8	343.8	79%	79%	79%	0	0	0	0
Bus - CI Assessments	Laminar	Therms	0	Custom	each	800	800	800	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	17.9	17.9	17.9	79%	79%	79%	11,308	11,308	11,308	33,925
Bus - SB Assessments	Aerator - Bathroom	Therms	1	4.3.2	each	1,278	1,278	1,278	CI-HWE-LFFA-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	6.1	6.1	6.1	93%	93%	93%	7,256	7,256	7,256	21,768
Bus - SB Assessments	Aerator - Kitchen	Therms	1	4.3.2	each	980	980	980	CI-HWE-LFFA-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	7.4	7.4	7.4	93%	93%	93%	6,783	6,783	6,783	20,350
Bus - SB Assessments	Showerhead	Therms	1	5.4.5	each	1,138	1,138	1,138	RS-HWE-LFSH-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	21.6	21.6	21.6	93%	93%	93%	22,897	22,897	22,897	68,692
Bus - SB Assessments	Pipe Insulation - DHW	Therms	1	4.4.14	each	6,090	6,090	6,090	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	5.2	5.2	5.2	93%	93%	93%	29,730	29,730	29,730	89,190
Bus - SB Assessments	Pre Rinse Sprayer	Therms	1	4.2.11	each	210	210	210	CI-FSE-SPRY-V03-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	171.9	171.9	171.9	93%	93%	93%	33,576	33,576	33,576	100,729
Bus - CI Assessments	Gas Optimization	Therms	0	Custom	therm	997,200	997,200	997,200	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.0	1.0	1.0	102%	102%	102%	1,017,144	1,017,144	1,017,144	3,051,432
Bus - CI Assessments	Retrocommissioning	Therms	0	Custom	therm	413,000	413,000	413,000	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.0	1.0	1.0	102%	102%	102%	421,260	421,260	421,260	1,263,780
Bus - CI Assessments	Engineering Study	Therms	0	Custom	each	0	0	0	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.0	0.0	0.0	102%	102%	102%	0	0	0	0
Bus - CI Rebates	Staffing	Therms	0	Custom	each	0	0	0	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.0	0.0	0.0	102%	102%	102%	0	0	0	0
Bus - SB Rebates	Boiler ≥88% AFUE, <300MBh	Therms	1	4.4.10	MBH	0	0	0	CI-HVC-BOIL-V05-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.2	1.2	1.2	93%	93%	93%	0	0	0	0
Bus - SB Rebates	Boiler ≥88% AFUE, ≥300MBh TE	Therms	1	4.4.10	MBH	2,800	2,800	2,800	CI-HVC-BOIL-V05-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.6	1.6	1.6	93%	93%	93%	4,155	4,155	4,155	12,464
Bus - SB Rebates	Boiler Reset Controls	Therms	1	4.4.4	each	14	14	14	CI-HVC-BLRC-V03-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	255.3	255.3	255.3	93%	93%	93%	3,324	3,324	3,324	9,971
Bus - SB Rebates	Boiler Tune Up - Process	Therms	1	4.4.3	MBH	2,000	2,000	2,000	CI-HVC-PBTU-V05-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.8	0.8	0.8	93%	93%	93%	1,559	1,559	1,559	4,677
Bus - SB Rebates	Boiler Tune Up - Space Heating	Therms	1	4.4.2	MBH	20,000	20,000	20,000	CI-HVC-BLRT-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.4	0.4	0.4	93%	93%	93%	6,931	6,931	6,931	20,793
Bus - SB Rebates	Condensing Unit Heater	Therms	1	4.4.5	MBH	0	0	0	CI-HVC-CUHT-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.8	1.8	1.8	93%	93%	93%	0	0	0	0
Bus - SB Rebates	DCV - Kitchen	Therms	1	4.2.16	each	0	0	0	CI-FSE-VENT-V02-140601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	8,523.5	8,523.5	8,523.5	93%	93%	93%	0	0	0	0
Bus - SB Rebates	Direct Fired Heaters	Therms	0	Custom	MBH	0	0	0	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	2.3	2.3	2.3	93%	93%	93%	0	0	0	0
Bus - SB Rebates	High Speed Washer - Hotel/Motel/Hospital	Therms	0	Custom	lb-capacity	3,000	3,000	3,000	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	12.4	12.4	12.4	93%	93%	93%	34,652	34,652	34,652	103,955
Bus - SB Rebates	High Speed Washer - Laundromat	Therms	0	Custom	lb-capacity	3,000	3,000	3,000	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	5.6	5.6	5.6	93%	93%	93%	15,593	15,593	15,593	46,780
Bus - SB Rebates	Infrared Heater	Therms	1	4.4.12	MBH	0	0	0	CI-HVC-IRHT-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	3.0	3.0	3.0	93%	93%	93%	0	0	0	0
Bus - SB Rebates	Modulating Commercial Gas Clothes Dryer	Therms	1	4.8.4	each	5	5	5	CI-MSC-MODD-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	300.0	300.0	300.0	93%	93%	93%	1,395	1,395	1,395	4,185
Bus - SB Rebates	Ozone Laundry	Therms	1	4.3.6	lb-capacity	0	0	0	CI-HW-OZLD-VO1-140601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	30.7	30.7	30.7	93%	93%	93%	0	0	0	0
Bus - SB Rebates	Pipe Insulation - Dry Cleaners	Therms	1	4.4.14	ft	750	750	750	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	4.2	4.2	4.2	93%	93%	93%	2,895	2,895	2,895	8,686
Bus - SB Rebates	Pipe Insulation - Dry Cleaners -Elbows	Therms	1	4.4.14	ft	0	0	0	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	2.0	2.0	2.0	93%	93%	93%	0	0	0	0
Bus - SB Rebates	Pipe Insulation - HW Small 1" to 2"	Therms	1	4.4.14	ft	0	0	0	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	2.7	2.7	2.7	93%	93%	93%	0	0	0	0
Bus - SB Rebates	Pipe Insulation - HW Medium 2.1" to 4"	Therms	1	4.4.14	ft	0	0	0	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	5.2	5.2	5.2	93%	93%	93%	0	0	0	0
Bus - SB Rebates	Pipe Insulation - HW Large >4"	Therms	1	4.4.14	ft	0	0	0	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	9.0	9.0	9.0	93%	93%	93%	0	0	0	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
5						Approved Energy Efficiency Plan Key Assumptions - Plan Participation				Approved Energy Efficiency Plan Key Assumptions					Approved Energy Efficiency Plan Key Assumptions						
6						Plan Number of Units (Fixed Parameters for Calculating Adjustable Savings Goals)				Plan Gross Unit Savings					Plan Net-to-Gross Values			Plan Energy Savings Goals			
7	**Program**	**Measure**	Energy Savings: kWh or Therms?	IL-TRM Adjustable? (1 if yes; 0 if no)	IL-TRM Section / Custom	Unit of Participation	**EPY10/GPY7 Plan Number of Units (Fixed)**	**EPY11/GPY8 Plan Number of Units (Fixed)**	**EPY12/GPY9 Plan Number of Units (Fixed)**	IL-TRM Measure Code from IL-TRMv5.0	Reference Document Explaining Gross Unit Savings Calculation Details	EPY10/GPY7 Plan Gross Unit Savings	EPY11/GPY8 Plan Gross Unit Savings	EPY12/GPY9 Plan Gross Unit Savings	EPY10/GPY7 Plan NTG	EPY11/GPY8 Plan NTG	EPY12/GPY9 Plan NTG	EPY10/GPY7 Plan Goal	EPY11/GPY8 Plan Goal	EPY12/GPY9 Plan Goal	Total Electric Plan 4/Gas Plan 3 Goal
8	*(a)*	*(b)*	*(c)*	*(d)*	*(e)*	*(f)*	*(g)*	*(h)*	*(i)*	*(j)*	*(k)*	*(l)*	*(m)*	*(n)*	*(o)*	*(p)*	*(q)*	*(r)=(g x l x o)*	*(s)=(h x m x p)*	*(t)=(i x n x q)*	*(u)=(r+s+t)*
127	Bus - SB Rebates	Pipe Insulation - Steam - Small 1" to 2"	Therms	1	4.4.14	ft	1,875	1,875	1,875	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	3.2	3.2	3.2	93%	93%	93%	5,555	5,555	5,555	16,664
128	Bus - SB Rebates	Pipe Insulation - Steam - Med 2.1" to 5"	Therms	1	4.4.14	ft	1,125	1,125	1,125	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	13.1	13.1	13.1	93%	93%	93%	13,756	13,756	13,756	41,269
129	Bus - SB Rebates	Pipe Insulation - Steam - Large 5.1" to 8"	Therms	1	4.4.14	ft	600	600	600	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	24.3	24.3	24.3	93%	93%	93%	13,535	13,535	13,535	40,604
130	Bus - SB Rebates	Pipe Insulation - Steam - X-Large >8"	Therms	1	4.4.14	ft	150	150	150	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	36.0	36.0	36.0	93%	93%	93%	5,020	5,020	5,020	15,060
131	Bus - SB Rebates	Pipe Insulation - Steam Med Fitting	Therms	1	4.4.14	each	85	85	85	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	12.5	12.5	12.5	93%	93%	93%	989	989	989	2,968
132	Bus - SB Rebates	Pipe Insulation - Steam Large Fitting	Therms	1	4.4.14	each	40	40	40	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	51.2	51.2	51.2	93%	93%	93%	1,906	1,906	1,906	5,719
133	Bus - SB Rebates	Pipe Insulation - Steam X-Large Fitting	Therms	1	4.4.14	each	5	5	5	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	99.1	99.1	99.1	93%	93%	93%	461	461	461	1,383
134	Bus - SB Rebates	Pipe Insulation - Steam Med Valve	Therms	1	4.4.14	each	15	15	15	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	37.4	37.4	37.4	93%	93%	93%	522	522	522	1,566
135	Bus - SB Rebates	Pipe Insulation - Steam Large Valve	Therms	1	4.4.14	each	5	5	5	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	107.5	107.5	107.5	93%	93%	93%	500	500	500	1,500
136	Bus - SB Rebates	Pipe Insulation - Steam X-Large Valve	Therms	1	4.4.14	each	5	5	5	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	175.1	175.1	175.1	93%	93%	93%	814	814	814	2,442
137	Bus - SB Rebates	Pre Rinse Sprayer	Therms	1	4.2.11	each	25	25	25	CI-FSE-SPRY-V03-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	110.5	110.5	110.5	93%	93%	93%	2,570	2,570	2,570	7,709
138	Bus - SB Rebates	Steam Boiler ≥82% AFUE, <300MBh	Therms	1	4.4.10	MBH	0	0	0	CI-HVC-BOIL-V05-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.4	0.4	0.4	93%	93%	93%	0	0	0	0
139	Bus - SB Rebates	Steam Boiler ≥82% AFUE, >300MBh TE	Therms	1	4.4.10	MBH	51,750	51,750	51,750	CI-HVC-BOIL-V05-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.6	0.6	0.6	93%	93%	93%	29,160	29,160	29,160	87,479
140	Bus - SB Rebates	Steam Traps - Dry Cleaner/Industrial	Therms	1	4.4.16	each	300	300	300	CI-HVC-STRE-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	255.4	255.4	255.4	93%	93%	93%	71,258	71,258	71,258	213,775
141	Bus - SB Rebates	Steam Traps - HVAC Repair/Rep - Audit	Therms	1	4.4.16	each	600	600	600	CI-HVC-STRE-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	163.8	163.8	163.8	93%	93%	93%	91,402	91,402	91,402	274,207
142	Bus - SB Rebates	Steam Traps - HVAC Repair/Rep - No Audit	Therms	1	4.4.16	each	50	50	50	CI-HVC-STRE-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	44.2	44.2	44.2	93%	93%	93%	2,057	2,057	2,057	6,170
143	Bus - SB Rebates	Steam Traps - Test	Therms	0	Custom	each	500	500	500	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.0	0.0	0.0	93%	93%	93%	0	0	0	0
144	Bus - SB Rebates	Thermostat - Programmable	Therms	1	4.4.18	each	100	100	100	CI-HVC-PROG-V02-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	126.1	126.1	126.1	93%	93%	93%	11,725	11,725	11,725	35,174
145	Bus - SB Rebates	Water Heater - Storage 88% TE ≥75MBh	Therms	1	4.3.1	each	0	0	0	CI-HW_-STWH-V02-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	143.6	143.6	143.6	93%	93%	93%	0	0	0	0
146	Bus - SB Rebates	Water Heater 88% TE - Central Plant (Lodging)	Therms	1	4.3.1	MBH	0	0	0	CI-HW_-STWH-V02-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.5	0.5	0.5	93%	93%	93%	0	0	0	0
147	Bus - SB Rebates	Water Heater 88% TE - Laundromat	Therms	0	Custom	MBH	1,125	1,125	1,125	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.1	1.1	1.1	93%	93%	93%	1,106	1,106	1,106	3,317
148	Bus - SB Rebates	Water Heater 95% TE - Laundromat	Therms	0	Custom	MBH	0	0	0	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.8	1.8	1.8	93%	93%	93%	0	0	0	0
149	Bus - SB Rebates	Double Rack Oven	Therms	1	4.2.18	each	4	6	10	CI-FSE-RKOV-VO1-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	2,064.0	2,064.0	2,064.0	93%	93%	93%	7,678	11,517	19,195	38,390
150	Bus - SB Rebates	Energy Star Convection Oven	Therms	1	4.2.5	each	60	80	110	CI-FSE-ESCV-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	306.0	306.0	306.0	93%	93%	93%	17,075	22,766	31,304	71,145
151	Bus - SB Rebates	Energy Star Conveyer Oven	Therms	1	4.2.4	each	50	70	100	CI-FSE-CVOV-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	733.0	733.0	733.0	93%	93%	93%	34,085	47,718	68,169	149,972
152	Bus - SB Rebates	Energy Star Fryer	Therms	1	4.2.7	each	60	80	110	CI-FSE-ESFR-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	505.0	505.0	505.0	93%	93%	93%	28,179	37,572	51,662	117,413
153	Bus - SB Rebates	Energy Star Steamer - 3 Pans	Therms	1	4.2.3	each	0	0	0	CI-FSE-STMC-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	752.0	752.0	752.0	93%	93%	93%	0	0	0	0
154	Bus - SB Rebates	Energy Star Steamer - 4 Pans	Therms	1	4.2.3	each	30	40	60	CI-FSE-STMC-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,007.3	1,007.3	1,007.3	93%	93%	93%	28,103	37,470	56,205	121,778
155	Bus - SB Rebates	Energy Star Steamer - 5 Pans	Therms	1	4.2.3	each	0	0	0	CI-FSE-STMC-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,248.7	1,248.7	1,248.7	93%	93%	93%	0	0	0	0
156	Bus - SB Rebates	Energy Star Steamer - 6 Pans	Therms	1	4.2.3	each	0	0	0	CI-FSE-STMC-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,503.9	1,503.9	1,503.9	93%	93%	93%	0	0	0	0
157	Bus - SB Rebates	Heat Recovery Grease Trap Filter	Therms	1	4.3.9	each	50	70	100	CI-HW_-GRTF-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,379.9	1,379.9	1,379.9	93%	93%	93%	64,167	89,834	128,334	282,334
158	Bus - SB Rebates	Infrared Charbroiler	Therms	1	4.2.12	each	60	80	110	CI-FSE-IRCB-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	661.0	661.0	661.0	93%	93%	93%	36,884	49,178	67,620	153,683
159	Bus - SB Rebates	Infrared Rotisserie Oven	Therms	1	4.2.13	each	65	90	130	CI-FSE-IROV-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	554.0	554.0	554.0	93%	93%	93%	33,489	46,370	66,979	146,838
160	Bus - SB Rebates	Infrared Salamander Broiler	Therms	1	4.2.14	each	100	140	200	CI-FSE-IRBL-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	239.0	239.0	239.0	93%	93%	93%	22,227	31,118	44,454	97,799
161	Bus - SB Rebates	Infrared Upright Broiler	Therms	1	4.2.15	each	0	0	0	CI-FSE-IRUB-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,089.0	1,089.0	1,089.0	93%	93%	93%	0	0	0	0
162	Bus - CI Rebates	Boiler ≥88% AFUE, <300MBh	Therms	1	4.4.10	MBH	0	0	0	CI-HVC-BOIL-V05-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.1	1.1	1.1	79%	79%	79%	0	0	0	0
163	Bus - CI Rebates	Boiler ≥88% AFUE, ≥300MBh TE	Therms	1	4.4.10	MBH	2,000	2,000	2,000	CI-HVC-BOIL-V05-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.5	1.5	1.5	79%	79%	79%	2,432	2,432	2,432	7,295
164	Bus - CI Rebates	Boiler Reset Controls	Therms	1	4.4.4	each	10	10	10	CI-HVC-BLRC-V03-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	246.2	246.2	246.2	79%	79%	79%	1,945	1,945	1,945	5,836
165	Bus - CI Rebates	Boiler Tune Up - Process	Therms	1	4.4.3	MBH	50,000	50,000	50,000	CI-HVC-PBTU-V05-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.8	0.8	0.8	79%	79%	79%	33,110	33,110	33,110	99,331
166	Bus - CI Rebates	Boiler Tune Up - Space Heating	Therms	1	4.4.2	MBH	0	0	0	CI-HVC-BLRT-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.4	0.4	0.4	79%	79%	79%	0	0	0	0
167	Bus - CI Rebates	Condensing Unit Heater	Therms	1	4.4.5	MBH	0	0	0	CI-HVC-CUHT-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.8	1.8	1.8	79%	79%	79%	0	0	0	0
168	Bus - CI Rebates	DCV - Kitchen	Therms	1	4.2.16	each	5	5	5	CI-FSE-VENT-V02-140601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	8,523.5	8,523.5	8,523.5	79%	79%	79%	33,668	33,668	33,668	101,003
169	Bus - CI Rebates	Direct Fired Heaters	Therms	0	Custom	MBH	0	0	0	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	2.3	2.3	2.3	79%	79%	79%	0	0	0	0
170	Bus - CI Rebates	High Speed Washer - Hotel/Motel/Hospital	Therms	0	Custom	lb-capacity	1,000	1,000	1,000	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	12.4	12.4	12.4	79%	79%	79%	9,812	9,812	9,812	29,435
171	Bus - CI Rebates	Infrared Heater	Therms	1	4.4.12	MBH	0	0	0	CI-HVC-IRHT-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	3.0	3.0	3.0	79%	79%	79%	0	0	0	0
172	Bus - CI Rebates	Modulating Commercial Gas Clothes Dryer	Therms	1	4.8.4	each	0	0	0	CI-MSC-MODD-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	300.0	300.0	300.0	79%	79%	79%	0	0	0	0
173	Bus - CI Rebates	Ozone Laundry	Therms	1	4.3.6	lb-capacity	0	0	0	CI-HW-OZLD-VO1-140601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	30.7	30.7	30.7	79%	79%	79%	0	0	0	0
174	Bus - CI Rebates	Pipe Insulation - HW Small 1" to 2"	Therms	1	4.4.14	ft	450	450	450	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	2.7	2.7	2.7	79%	79%	79%	945	945	945	2,836
175	Bus - CI Rebates	Pipe Insulation - HW Medium 2.1" to 4"	Therms	1	4.4.14	ft	900	900	900	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	5.2	5.2	5.2	79%	79%	79%	3,732	3,732	3,732	11,197
176	Bus - CI Rebates	Pipe Insulation - HW Large >4"	Therms	1	4.4.14	ft	1,050	1,050	1,050	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	9.0	9.0	9.0	79%	79%	79%	7,499	7,499	7,499	22,498
177	Bus - CI Rebates	Pipe Insulation - Steam - Small 1" to 2"	Therms	1	4.4.14	ft	0	0	0	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	3.2	3.2	3.2	79%	79%	79%	0	0	0	0
178	Bus - CI Rebates	Pipe Insulation - Steam - Med 2.1" to 5"	Therms	1	4.4.14	ft	0	0	0	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	13.1	13.1	13.1	79%	79%	79%	0	0	0	0
179	Bus - CI Rebates	Pipe Insulation - Steam - Large 5.1" to 8"	Therms	1	4.4.14	ft	600	600	600	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	24.3	24.3	24.3	79%	79%	79%	11,497	11,497	11,497	34,492
180	Bus - CI Rebates	Pipe Insulation - Steam - X-Large >8"	Therms	1	4.4.14	ft	0	0	0	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	36.0	36.0	36.0	79%	79%	79%	0	0	0	0
181	Bus - CI Rebates	Pipe Insulation - Steam Med Fitting	Therms	1	4.4.14	each	0	0	0	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	12.5	12.5	12.5	79%	79%	79%	0	0	0	0
182	Bus - CI Rebates	Pipe Insulation - Steam Large Fitting	Therms	1	4.4.14	each	20	20	20	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	51.2	51.2	51.2	79%	79%	79%	810	810	810	2,429
183	Bus - CI Rebates	Pipe Insulation - Steam X-Large Fitting	Therms	1	4.4.14	each	0	0	0	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	99.1	99.1	99.1	79%	79%	79%	0	0	0	0
184	Bus - CI Rebates	Pipe Insulation - Steam Med Valve	Therms	1	4.4.14	each	0	0	0	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	37.4	37.4	37.4	79%	79%	79%	0	0	0	0
185	Bus - CI Rebates	Pipe Insulation - Steam Large Valve	Therms	1	4.4.14	each	20	20	20	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	107.5	107.5	107.5	79%	79%	79%	1,699	1,699	1,699	5,097
186	Bus - CI Rebates	Pipe Insulation - Steam X-Large Valve	Therms	1	4.4.14	each	0	0	0	CI-HVC-PINS-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	175.1	175.1	175.1	79%	79%	79%	0	0	0	0
187	Bus - CI Rebates	Pre Rinse Sprayer	Therms	1	4.2.11	each	0	0	0	CI-FSE-SPRY-V03-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	221.0	221.0	221.0	79%	79%	79%	0	0	0	0
188	Bus - CI Rebates	Steam Boiler ≥82% AFUE, <300MBh	Therms	1	4.4.10	MBH	0	0	0	CI-HVC-BOIL-V05-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.4	0.4	0.4	79%	79%	79%	0	0	0	0
189	Bus - CI Rebates	Steam Boiler ≥82% AFUE, >300MBh TE	Therms	1	4.4.10	MBH	2,500	2,500	2,500	CI-HVC-BOIL-V05-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.6	0.6	0.6	79%	79%	79%	1,154	1,154	1,154	3,463
190	Bus - CI Rebates	Steam Traps - Dry Cleaner/Industrial	Therms	1	4.4.16	each	175	175	175	CI-HVC-STRE-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	255.4	255.4	255.4	79%	79%	79%	35,310	35,310	35,310	105,930
191	Bus - CI Rebates	Steam Traps - HVAC Repair/Rep - Audit	Therms	1	4.4.16	each	150	150	150	CI-HVC-STRE-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	163.8	163.8	163.8	79%	79%	79%	19,411	19,411	19,411	58,232
192	Bus - CI Rebates	Steam Traps - HVAC Repair/Rep - No Audit	Therms	1	4.4.16	each	100	100	100	CI-HVC-STRE-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	44.2	44.2	44.2	79%	79%	79%	3,494	3,494	3,494	10,482
193	Bus - CI Rebates	Steam Traps - Test	Therms	0	Custom	each	100	100	100	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.0	0.0	0.0	79%	79%	79%	0	0	0	0
194	Bus - CI Rebates	Thermostat - Programmable	Therms	1	4.4.18	each	15	15	15	CI-HVC-PROG-V02-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	126.1	126.1	126.1	79%	79%	79%	1,494	1,494	1,494	4,482
195	Bus - CI Rebates	Water Heater - Storage 88% TE ≥75MBh	Therms	1	4.3.1	each	0	0	0	CI-HW_-STWH-V02-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	143.6	143.6	143.6	79%	79%	79%	0	0	0	0
196	Bus - CI Rebates	Water Heater 88% TE - Central Plant (Lodging)	Therms	1	4.3.1	MBH	0	0	0	CI-HW_-STWH-V02-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.5	0.5	0.5	79%	79%	79%	0	0	0	0
197	Bus - CI Rebates	Double Rack Oven	Therms	1	4.2.18	each	0	0	0	CI-FSE-RKOV-VO1-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	2,064.0	2,064.0	2,064.0	79%	79%	79%	0	0	0	0
198	Bus - CI Rebates	Energy Star Convection Oven	Therms	1	4.2.5	each	10	14	18	CI-FSE-ESCV-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	306.0	306.0	306.0	79%	79%	79%	2,417	3,384	4,351	10,153
199	Bus - CI Rebates	Energy Star Conveyer Oven	Therms	1	4.2.4	each	0	0	0	CI-FSE-CVOV-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	733.0	733.0	733.0	79%	79%	79%	0	0	0	0
200	Bus - CI Rebates	Energy Star Fryer	Therms	1	4.2.7	each	0	0	0	CI-FSE-ESFR-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	505.0	505.0	505.0	79%	79%	79%	0	0	0	0
201	Bus - CI Rebates	Energy Star Steamer - 3 Pans	Therms	1	4.2.3	each	0	10	12	CI-FSE-STMC-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	752.0	752.0	752.0	79%	79%	79%	0	5,941	7,129	13,070
202	Bus - CI Rebates	Energy Star Steamer - 4 Pans	Therms	1	4.2.3	each	15	18	22	CI-FSE-STMC-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,007.3	1,007.3	1,007.3	79%	79%	79%	11,936	14,323	17,506	43,766
203	Bus - CI Rebates	Energy Star Steamer - 5 Pans	Therms	1	4.2.3	each	0	0	0	CI-FSE-STMC-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,248.7	1,248.7	1,248.7	79%	79%	79%	0	0	0	0
204	Bus - CI Rebates	Energy Star Steamer - 6 Pans	Therms	1	4.2.3	each	0	0	0	CI-FSE-STMC-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,503.9	1,503.9	1,503.9	79%	79%	79%	0	0	0	0
205	Bus - CI Rebates	Heat Recovery Grease Trap Filter	Therms	1	4.3.9	each	4	5	6	CI-HW_-GRTF-V01-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,379.9	1,379.9	1,379.9	79%	79%	79%	4,361	5,451	6,541	16,352
206	Bus - CI Rebates	Infrared Charbroiler	Therms	1	4.2.12	each	2	3	4	CI-FSE-IRCB-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	661.0	661.0	661.0	79%	79%	79%	1,044	1,567	2,089	4,700
207	Bus - CI Rebates	Infrared Rotisserie Oven	Therms	1	4.2.13	each	2	3	4	CI-FSE-IROV-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	554.0	554.0	554.0	79%	79%	79%	875	1,313	1,751	3,939
208	Bus - CI Rebates	Infrared Salamander Broiler	Therms	1	4.2.14	each	0	0	0	CI-FSE-IRBL-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	239.0	239.0	239.0	79%	79%	79%	0	0	0	0
209	Bus - CI Rebates	Infrared Upright Broiler	Therms	1	4.2.15	each	0	0	0	CI-FSE-IRUB-V01-120601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,089.0	1,089.0	1,089.0	79%	79%	79%	0	0	0	0
210	Bus - SB Rebates	SB Custom	Therms	0	Custom	therm	57,000	57,000	57,000	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.0	1.0	1.0	93%	93%	93%	53,010	53,010	53,010	159,030
211	Bus - CI Rebates	CI Custom	Therms	0	Custom	therm	1,962,000	1,962,000	1,962,000	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.0	1.0	1.0	69%	69%	69%	1,353,780	1,353,780	1,353,780	4,061,340
212	Bus - CI Rebates	New Construction	Therms	0	Custom	therm	38,000	38,000	38,000	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.0	1.0	1.0	67%	67%	67%	25,460	25,460	25,460	76,380
213	Low Income - Outreach & Education	Behavior	Therms	1	6.1.1	each	11,616	11,616	11,616	CC-BEH-BEHP-V01-170601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	16.9	16.9	16.9	100%	100%	100%	196,483	196,483	196,483	589,450
214	Low Income - Outreach & Education	Energy Education	Therms	0	Custom	each	528	528	528	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	10.0	10.0	10.0	100%	100%	100%	5,280	5,280	5,280	15,840
215	Low Income - SF Retrofit	Retrofit	Therms	0	Custom	each	135	135	135	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	398.1	398.1	398.1	100%	100%	100%	53,747	53,747	53,747	161,241
216	Low Income - MF Retrofit	Bathroom Aerator	Therms	1	5.4.4	each	159	159	159	RS-HWE-LFFA-V05-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.2	1.2	1.2	100%	100%	100%	199	199	199	596
217	Low Income - MF Retrofit	Kitchen Aerator	Therms	1	5.4.4	each	124	124	124	RS-HWE-LFFA-V05-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	5.1	5.1	5.1	100%	100%	100%	636	636	636	1,907
218	Low Income - MF Retrofit	Showerhead	Therms	1	5.4.5	each	124	124	124	RS-HWE-LFSH-V04-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	17.9	17.9	17.9	100%	100%	100%	2,219	2,219	2,219	6,657
219	Low Income - MF Retrofit	Pipe Insulation (DHW)	Therms	1	5.4.1	ft	510	510	510	RS-HVC-PINS-V02-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.0	1.0	1.0	100%	100%	100%	506	506	506	1,517
220	Low Income - MF Retrofit	Water Heater Setback	Therms	1	5.4.6	each	93	93	93	RS-HWE-TMPS-V04-150601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	3.5	3.5	3.5	100%	100%	100%	325	325	325	976
221	Low Income - MF Retrofit	Air Sealing	Therms	0	Custom	each	111	111	111	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	600.0	600.0	600.0	100%	100%	100%	66,600	66,600	66,600	199,800
222	Low Income - MF Retrofit	Attic Insulation & Air Sealing	Therms	0	Custom	each	111	111	111	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,400.0	1,400.0	1,400.0	100%	100%	100%	155,400	155,400	155,400	466,200
223	Low Income - MF Retrofit	Wall Insulation	Therms	0	Custom	each	28	28	28	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,500.0	1,500.0	1,500.0	100%	100%	100%	42,000	42,000	42,000	126,000
224	Low Income - MF Retrofit	Pipe Insulation - DHW	Therms	0	Custom	each	74	74	74	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	700.0	700.0	700.0	100%	100%	100%	51,800	51,800	51,800	155,400
225	Low Income - MF Retrofit	Pipe Insulation - Heating	Therms	0	Custom	each	93	93	93	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,100.0	1,100.0	1,100.0	100%	100%	100%	102,300	102,300	102,300	306,900
226	Low Income - MF Retrofit	Boiler Tune-ups	Therms	0	Custom	each	28	28	28	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	130.0	130.0	130.0	100%	100%	100%	3,640	3,640	3,640	10,920
227	Low Income - MF Retrofit	Outdoor Resets/Cutouts	Therms	0	Custom	each	11	11	11	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,000.0	1,000.0	1,000.0	100%	100%	100%	11,000	11,000	11,000	33,000
228	Low Income - MF Retrofit	Steam Trap	Therms	0	Custom	each	1,425	1,425	1,425	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	110.0	110.0	110.0	100%	100%	100%	156,750	156,750	156,750	470,250
229	Low Income - MF Retrofit	Controls for Central DHW Pumps	Therms	0	Custom	each	19	19	19	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,300.0	1,300.0	1,300.0	100%	100%	100%	24,700	24,700	24,700	74,100
230	Low Income - MF Retrofit	Steam Boiler Averaging Controls	Therms	0	Custom	each	30	30	30	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,200.0	1,200.0	1,200.0	100%	100%	100%	36,000	36,000	36,000	108,000
231	Low Income - MF Retrofit	Boiler Replacement	Therms	0	Custom	each	19	19	19	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1,300.0	1,300.0	1,300.0	100%	100%	100%	24,700	24,700	24,700	74,100
232	Low Income - MF Retrofit	DHW Replacement	Therms	0	Custom	each	13	13	13	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	800.0	800.0	800.0	100%	100%	100%	10,400	10,400	10,400	31,200
233	Low Income - MF Retrofit	HVAC Balancing/Optimizing	Therms	0	Custom	each	30	30	30	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	680.0	680.0	680.0	100%	100%	100%	20,400	20,400	20,400	61,200
234	Low Income - SF New Construction	Furnace >95% AFUE	Therms	1	5.3.7	each	87	87	87	RS-HVC-GHEF-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	164.6	164.6	164.6	100%	100%	100%	14,321	14,321	14,321	42,962
235	Low Income - SF New Construction	Water Heater - Storage 0.67 EF	Therms	1	5.4.2	each	87	87	87	RS-HWE-GWHT-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	13.0	13.0	13.0	100%	100%	100%	1,130	1,130	1,130	3,391
236	Low Income - SF New Construction	Programmable Thermostat - Furnace	Therms	1	5.3.11	each	87	87	87	RS-HVC-PROG-V03-140601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	34.9	34.9	34.9	100%	100%	100%	3,036	3,036	3,036	9,107
237	Low Income - SF New Construction	Duct Sealing	Therms	1	5.3.4	CFM_25	10,440	10,440	10,440	RS-HVC-DINS-V06-160601	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	0.7	0.7	0.7	100%	100%	100%	7,407	7,407	7,407	22,222
238	Low Income - MF New Construction	New Construction	Therms	0	Custom	therm	61,000	61,000	61,000	Custom	Peoples Gas Adjustable Savings Template 09-30-2016, 'Unit Savings Calculations' tab	1.0	1.0	1.0	100%	100%	100%	61,000	61,000	61,000	183,000
239	**Portfolio Total (kWh)**		kWh															0	0	0	**0**
240	**Portfolio Total (Therms)**		Therms															9,581,690	9,694,693	9,862,459	**29,138,841**

PS-PG EX. 1.6B
IEEPS Adjustable Savings Goal Template - *Measure-Level Adjustments Tab*
Updated 09/30/16
Program Administrator: Peoples Gas

A	B	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP
		Net-to-Gross Adjustment Based Upon the Evaluator's Final Recommended NTG Values Provided Prior to the Start of EPY10/GPY7									EPY10/GPY7 Adjustment						EPY11/GPY8 Adjustment					
		Evaluator's Recommended Net-to-Gross Values				NTG-Adjusted Energy Savings Goals				Savings NTG-Adjustment to Plan Goal	EPY10/GPY7 Gross Unit Savings, Effective June 1, 2017 - May 31, 2018				Adjusted Energy Savings Goal	Savings IL-TRM Adjustment to NTG-Adjusted Goal	EPY11/GPY8 Gross Unit Savings, Effective June 1, 2018 - May 31, 2019				Adjusted Energy Savings Goal	Savings IL-TRM Adjustment to NTG-Adjusted Goal
Program	Measure	Reference Document Explaining Evaluator's Recommended NTG Values	EPY10/GPY7 Evaluator's NTG (Fixed)	EPY11/GPY8 Evaluator's NTG (Fixed)	EPY12/GPY9 Evaluator's NTG (Fixed)	EPY10/GPY7 NTG-Adjusted Goal	EPY11/GPY8 NTG-Adjusted Goal	EPY12/GPY9 NTG-Adjusted Goal	Electric Plan 4/Gas Plan 3 NTG-Adjusted Goal	Electric Plan 4/Gas Plan 3 NTG Adjustment	IL-TRM Measure Code from IL-TRMv6.0 or errata applicable to EPY10/GPY7	Reference Document Explaining Gross Unit Savings Calculation Details	EPY10/GPY7 Gross Unit Savings	Gross Unit Savings Adjustment Explanation	EPY10/GPY7 Adjusted Goal	EPY10/GPY7 IL-TRM Adjustment	IL-TRM Measure Code from IL-TRMv7.0 or errata applicable to EPY11/GPY8	Reference Document Explaining Gross Unit Savings Calculation Details	EPY11/GPY8 Gross Unit Savings	Gross Unit Savings Adjustment Explanation	EPY11/GPY8 Adjusted Goal	EPY11/GPY8 IL-TRM Adjustment
(a)	(b)	(v)	(w)	(x)	(y)	(z)=(g x f x w)	(aa)=(h x m x x)	(ab)=(i x n x y)	(ac)=(z+aa+ab)	(ad)=(ac-u)	(ae)	(af)	(ag)	(ah)	(ai)=(g x ag x w)	(aj)=(ai-z)	(ak)	(al)	(am)	(an)	(ao)=(h x am x	(ap)=(ao-aa)
Res - Outreach & Education	Behavior					0	0	0	0				16.9		0	0			16.9		0	0
Res - Outreach & Education	Energy Education					0	0	0	0				0						0			
Res - SF Assessments	Bathroom Aerator					0	0	0	0				0.7		0	0			0.7		0	0
Res - SF Assessments	Kitchen Aerator					0	0	0	0				5.6		0	0			5.6		0	0
Res - SF Assessments	Showerhead					0	0	0	0				14.0		0	0			14.0		0	0
Res - SF Assessments	Pipe Insulation (DHW)					0	0	0	0				1.0		0	0			1.0		0	0
Res - SF Assessments	Pipe Insulation (Boiler)					0	0	0	0				0.4		0	0			0.4		0	0
Res - SF Assessments	Programmable Thermostat - Furnace					0	0	0	0				62.3		0	0			62.3		0	0
Res - SF Assessments	Programmable Thermostat - Boiler					0	0	0	0				75.5		0	0			75.5		0	0
Res - SF Assessments	Advanced Thermostat - Furnace (Replace Manual)					0	0	0	0				88.4		0	0			88.4		0	0
Res - SF Assessments	Advanced Thermostat - Boiler (Replace Manual)					0	0	0	0				107.2		0	0			107.2		0	0
Res - SF Assessments	Advanced Thermostat - Furnace (Replace Programmable)					0	0	0	0				56.3		0	0			56.3		0	0
Res - SF Assessments	Advanced Thermostat - Boiler (Replace Programmable)					0	0	0	0				68.2		0	0			68.2		0	0
Res - SF Assessments	Thermostat - Reprogram					0	0	0	0				62.3		0	0			62.3		0	0
Res - MF Assessments	Bathroom Aerator					0	0	0	0				1.2		0	0			1.2		0	0
Res - MF Assessments	Kitchen Aerator					0	0	0	0				5.1		0	0			5.1		0	0
Res - MF Assessments	Showerhead					0	0	0	0				17.9		0	0			17.9		0	0
Res - MF Assessments	Pipe Insulation (DHW)					0	0	0	0				1.0		0	0			1.0		0	0
Res - MF Assessments	Pipe Insulation (Boiler)					0	0	0	0				0.4		0	0			0.4		0	0
Res - MF Assessments	Programmable Thermostat - Furnace					0	0	0	0				40.5		0	0			40.5		0	0
Res - MF Assessments	Programmable Thermostat - Boiler					0	0	0	0				49.1		0	0			49.1		0	0
Res - MF Assessments	Advanced Thermostat - Furnace (Replace Manual)					0	0	0	0				57.5		0	0			57.5		0	0
Res - MF Assessments	Advanced Thermostat - Boiler (Replace Manual)					0	0	0	0				69.7		0	0			69.7		0	0
Res - MF Assessments	Advanced Thermostat - Furnace (Replace Programmable)					0	0	0	0				36.6		0	0			36.6		0	0
Res - MF Assessments	Advanced Thermostat - Boiler (Replace Programmable)					0	0	0	0				44.3		0	0			44.3		0	0
Res - MF Assessments	Thermostat - Reprogram					0	0	0	0				40.5		0	0			40.5		0	0
Res - MF Assessments	Gas Optimization					0	0	0	0													
Res - SF Rebates	Boiler - DHW Two-in-One					0	0	0	0				163.9		0	0			163.9		0	0
Res - SF Rebates	Boiler ≥90% AFUE, >300MBtr					0	0	0	0				132.0		0	0			132.0		0	0
Res - SF Rebates	Boiler ≥95% AFUE, <300MBtr					0	0	0	0				203.3		0	0			203.3		0	0
Res - SF Rebates	Furnace >95% AFUE					0	0	0	0				164.6		0	0			164.6		0	0
Res - SF Rebates	Furnace >97% AFUE					0	0	0	0				182.7		0	0			182.7		0	0
Res - SF Rebates	Programmable Thermostat - Furnace					0	0	0	0				34.9		0	0			34.9		0	0
Res - SF Rebates	Programmable Thermostat - Boiler					0	0	0	0				42.3		0	0			42.3		0	0
Res - SF Rebates	Advanced Thermostat - Furnace (Replace Manual)					0	0	0	0				88.4		0	0			88.4		0	0
Res - SF Rebates	Advanced Thermostat - Boiler (Replace Manual)					0	0	0	0				107.2		0	0			107.2		0	0
Res - SF Rebates	Advanced Thermostat - Furnace (Replace Programmable)					0	0	0	0				56.3		0	0			56.3		0	0
Res - SF Rebates	Advanced Thermostat - Boiler (Replace Programmable)					0	0	0	0				68.2		0	0			68.2		0	0
Res - SF Rebates	Air Sealing					0	0	0	0				0.1		0	0			0.1		0	0
Res - SF Rebates	Attic Insulation					0	0	0	0				0.1		0	0			0.1		0	0
Res - SF Rebates	Duct Sealing					0	0	0	0				0.7		0	0			0.7		0	0
Res - SF Rebates	New Construction 20-25% over IL 2015 Code					0	0	0	0													
Res - SF Rebates	New Construction 20-30% over IL 2015 Code					0	0	0	0													
Res - SF Rebates	New Construction 30-40% over IL 2015 Code					0	0	0	0													
Res - SF Rebates	New Construction 240% over IL 2015 Code					0	0	0	0													
Res - MF Rebates	Boiler ≥88% AFUE, <300MBtr					0	0	0	0				1.2		0	0			1.2		0	0
Res - MF Rebates	Boiler ≥88% AFUE, ≥300MBtr TE					0	0	0	0				1.7		0	0			1.7		0	0
Res - MF Rebates	Boiler Reset Controls					0	0	0	0				269.6		0	0			269.6		0	0
Res - MF Rebates	Boiler Tune Up - Process					0	0	0	0				0.8		0	0			0.8		0	0
Res - MF Rebates	Boiler Tune Up - Space Heating					0	0	0	0				0.4		0	0			0.4		0	0
Res - MF Rebates	Condensing Unit Heater					0	0	0	0				1.8		0	0			1.8		0	0
Res - MF Rebates	Direct Fired Heaters					0	0	0	0													
Res - MF Rebates	Furnace >95% AFUE					0	0	0	0				248.1		0	0			248.1		0	0
Res - MF Rebates	Furnace >95% AFUE (MF Unit)					0	0	0	0				107.0		0	0			107.0		0	0
Res - MF Rebates	High Speed Washer					0	0	0	0													
Res - MF Rebates	Infrared Heater					0	0	0	0				3.0		0	0			3.0		0	0
Res - MF Rebates	Ozone Laundry					0	0	0	0				30.7		0	0			30.7		0	0
Res - MF Rebates	Pipe Insulation - Hyd. Boiler 5m <=1.25"					0	0	0	0				2.3		0	0			2.3		0	0
Res - MF Rebates	Pipe Insulation - Hyd. Boiler Med 1.25-2"					0	0	0	0				3.6		0	0			3.6		0	0
Res - MF Rebates	Pipe Insulation - Hyd. Boiler Large >=2"					0	0	0	0				6.2		0	0			6.2		0	0
Res - MF Rebates	Pipe Insulation - HW Small 1" to 2"					0	0	0	0				3.1		0	0			3.1		0	0
Res - MF Rebates	Pipe Insulation - HW Medium 2.1" to 4"					0	0	0	0				6.2		0	0			6.2		0	0
Res - MF Rebates	Pipe Insulation - HW Large >4"					0	0	0	0				10.7		0	0			10.7		0	0
Res - MF Rebates	Pipe Insulation - Steam - Small 1" to 2"					0	0	0	0				4.0		0	0			4.0		0	0
Res - MF Rebates	Pipe Insulation - Steam - Med 2.1" to 5"					0	0	0	0				13.6		0	0			13.6		0	0
Res - MF Rebates	Pipe Insulation - Steam - Large 5.1" to 8"					0	0	0	0				30.2		0	0			30.2		0	0
Res - MF Rebates	Pipe Insulation - Steam - X-Large >8"					0	0	0	0				44.8		0	0			44.8		0	0
Res - MF Rebates	Pipe Insulation - Steam Med Fitting					0	0	0	0				15.6		0	0			15.6		0	0
Res - MF Rebates	Pipe Insulation - Steam Large Fitting					0	0	0	0				63.8		0	0			63.8		0	0
Res - MF Rebates	Pipe Insulation - Steam X-Large Fitting					0	0	0	0				123.5		0	0			123.5		0	0
Res - MF Rebates	Pipe Insulation - Steam Med Valve					0	0	0	0				46.6		0	0			46.6		0	0
Res - MF Rebates	Pipe Insulation - Steam Large Valve					0	0	0	0				133.9		0	0			133.9		0	0
Res - MF Rebates	Pipe Insulation - Steam X-Large Valve					0	0	0	0				218.0		0	0			218.0		0	0
Res - MF Rebates	Steam Boiler ≥82% AFUE, <300MBtr					0	0	0	0				0.4		0	0			0.4		0	0
Res - MF Rebates	Steam Boiler ≥82% AFUE, >300MBtr TE					0	0	0	0				0.6		0	0			0.6		0	0
Res - MF Rebates	Steam Boiler Averaging Controls					0	0	0	0				61.1		0	0			61.1		0	0
Res - MF Rebates	Steam Traps - Dry Cleaner/Industrial					0	0	0	0				255.4		0	0			255.4		0	0
Res - MF Rebates	Steam Traps - HVAC Repair/Rep - Audit					0	0	0	0				204.0		0	0			204.0		0	0
Res - MF Rebates	Steam Traps - HVAC Repair/Rep - No Audit					0	0	0	0				55.1		0	0			55.1		0	0
Res - MF Rebates	Steam Traps - Test					0	0	0	0													
Res - MF Rebates	Thermostat - Programmable					0	0	0	0				126.1		0	0			126.1		0	0
Res - MF Rebates	Water Heater 88% TE - Central Plant					0	0	0	0				46.2		0	0			46.2		0	0
Res - MF Rebates	Water Heater 88% TE - Central Plant (Lodging)					0	0	0	0				0.5		0	0			0.5		0	0
Res - MF Rebates	Air Sealing					0	0	0	0				0.1		0	0			0.1		0	0
Res - MF Rebates	Duct Sealing					0	0	0	0				0.7		0	0			0.7		0	0
Res - MF Rebates	Multifamily Custom					0	0	0	0													
Bus - CI Assessments	Aerator - Bathroom					0	0	0	0				6.1		0	0			6.1		0	0
Bus - CI Assessments	Aerator - Kitchen					0	0	0	0				7.4		0	0			7.4		0	0
Bus - CI Assessments	Showerhead					0	0	0	0				21.6		0	0			21.6		0	0
Bus - CI Assessments	Pre Rinse Sprayer					0	0	0	0				343.8		0	0			343.8		0	0
Bus - CI Assessments	Laminar					0	0	0	0													
Bus - SB Assessments	Aerator - Bathroom					0	0	0	0				6.1		0	0			6.1		0	0
Bus - SB Assessments	Aerator - Kitchen					0	0	0	0				7.4		0	0			7.4		0	0
Bus - SB Assessments	Showerhead					0	0	0	0				21.6		0	0			21.6		0	0
Bus - SB Assessments	Pipe Insulation - DHW					0	0	0	0				5.2		0	0			5.2		0	0
Bus - SB Assessments	Pre Rinse Sprayer					0	0	0	0				171.9		0	0			171.9		0	0
Bus - CI Assessments	Gas Optimization					0	0	0	0													
Bus - CI Assessments	Retrocommissioning					0	0	0	0													
Bus - CI Assessments	Engineering Study					0	0	0	0													
Bus - CI Rebates	Staffing					0	0	0	0													
Bus - SB Rebates	Boiler ≥88% AFUE, <300MBtr					0	0	0	0				1.2		0	0			1.2		0	0
Bus - SB Rebates	Boiler ≥88% AFUE, ≥300MBtr TE					0	0	0	0				1.8		0	0			1.8		0	0
Bus - SB Rebates	Boiler Reset Controls					0	0	0	0				255.3		0	0			255.3		0	0
Bus - SB Rebates	Boiler Tune Up - Process					0	0	0	0				0.8		0	0			0.8		0	0
Bus - SB Rebates	Boiler Tune Up - Space Heating					0	0	0	0				0.4		0	0			0.4		0	0
Bus - SB Rebates	Condensing Unit Heater					0	0	0	0				1.8		0	0			1.8		0	0
Bus - SB Rebates	DCV - Kitchen					0	0	0	0				8523.5		0	0			8,523.5		0	0
Bus - SB Rebates	Direct Fired Heaters					0	0	0	0													
Bus - SB Rebates	High Speed Washer - Hotel/Motel/Hospital					0	0	0	0													
Bus - SB Rebates	High Speed Washer - Laundromat					0	0	0	0													
Bus - SB Rebates	Infrared Heater					0	0	0	0				3.0		0	0			3.0		0	0
Bus - SB Rebates	Modulating Commercial Gas Clothes Dryer					0	0	0	0				300.0		0	0			300.0		0	0
Bus - SB Rebates	Ozone Laundry					0	0	0	0				30.7		0	0			30.7		0	0
Bus - SB Rebates	Pipe Insulation - Dry Cleaners					0	0	0	0				4.2		0	0			4.2		0	0
Bus - SB Rebates	Pipe Insulation - Dry Cleaners -Elbows					0	0	0	0				2.8		0	0			2.8		0	0
Bus - SB Rebates	Pipe Insulation - HW Small 1" to 2"					0	0	0	0				2.7		0	0			2.7		0	0
Bus - SB Rebates	Pipe Insulation - HW Medium 2.1" to 4"					0	0	0	0				5.2		0	0			5.2		0	0
Bus - SB Rebates	Pipe Insulation - HW Large >4"					0	0	0	0				9.0		0	0			9.0		0	0

	A	B	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP
5			Net-to-Gross Adjustment Based Upon the Evaluator's Final Recommended NTG Values Provided Prior to the Start of EPY10/GPY7									EPY10/GPY7 Adjustment						EPY11/GPY8 Adjustment					
6			Evaluator's Recommended Net-to-Gross Values				NTG-Adjusted Energy Savings Goals				Savings NTG-Adjustment to Plan Goal	EPY10/GPY7 Gross Unit Savings, Effective June 1, 2017 - May 31, 2018				Adjusted Energy Savings Goal	Savings IL-TRM Adjustment to NTG-Adjusted Goal	EPY11/GPY8 Gross Unit Savings, Effective June 1, 2018 - May 31, 2019				Adjusted Energy Savings Goal	Savings IL-TRM Adjustment to NTG-Adjusted Goal
7	Program	Measure	Reference Document Explaining Evaluator's Recommended NTG Values	EPY10/GPY7 Evaluator's NTG (Fixed)	EPY11/GPY8 Evaluator's NTG (Fixed)	EPY12/GPY9 Evaluator's NTG (Fixed)	EPY10/GPY7 NTG-Adjusted Goal	EPY11/GPY8 NTG-Adjusted Goal	EPY12/GPY9 NTG-Adjusted Goal	Electric Plan 4/Gas Plan 3 NTG-Adjusted Goal	Electric Plan 4/Gas Plan 3 NTG Adjustment	IL-TRM Measure Code from IL-TRMv6.0 or errata applicable to EPY10/GPY7	Reference Document Explaining Gross Unit Savings Calculation Details	EPY10/GPY7 Gross Unit Savings	Gross Unit Savings Adjustment Explanation	EPY10/GPY7 Adjusted Goal	EPY10/GPY7 IL-TRM Adjustment	IL-TRM Measure Code from IL-TRMv7.0 or errata applicable to EPY11/GPY8	Reference Document Explaining Gross Unit Savings Calculation Details	EPY11/GPY8 Gross Unit Savings	Gross Unit Savings Adjustment Explanation	EPY11/GPY8 Adjusted Goal	EPY11/GPY8 IL-TRM Adjustment
8	*(a)*	*(b)*	*(v)*	*(w)*	*(x)*	*(y)*	*(z)=(g x l x w)*	*(aa)=(h x m x x)*	*(ab)=(i x n x y)*	*(ac)=(z+aa+ab)*	*(ad)=(ac-u)*	*(ae)*	*(af)*	*(ag)*	*(ah)*	*(ai)=(g x ag x w)*	*(aj)=(ai-z)*	*(ak)*	*(al)*	*(am)*	*(an)*	*(ao)=(h x am x*	*(ap)=(ao-aa)*
127	Bus - SB Rebates	Pipe Insulation - Steam - Small 1" to 2"					0	0	0	0				3.2		0	0			3.2		0	0
128	Bus - SB Rebates	Pipe Insulation - Steam - Med 2.1" to 5"					0	0	0	0				13.1		0	0			13.1		0	0
129	Bus - SB Rebates	Pipe Insulation - Steam - Large 5.1" to 8"					0	0	0	0				24.3		0	0			24.3		0	0
130	Bus - SB Rebates	Pipe Insulation - Steam - X-Large >8"					0	0	0	0				36.0		0	0			36.0		0	0
131	Bus - SB Rebates	Pipe Insulation - Steam Med Fitting					0	0	0	0				12.5		0	0			12.5		0	0
132	Bus - SB Rebates	Pipe Insulation - Steam Large Fitting					0	0	0	0				51.2		0	0			51.2		0	0
133	Bus - SB Rebates	Pipe Insulation - Steam X-Large Fitting					0	0	0	0				99.1		0	0			99.1		0	0
134	Bus - SB Rebates	Pipe Insulation - Steam Med Valve					0	0	0	0				37.4		0	0			37.4		0	0
135	Bus - SB Rebates	Pipe Insulation - Steam Large Valve					0	0	0	0				107.5		0	0			107.5		0	0
136	Bus - SB Rebates	Pipe Insulation - Steam X-Large Valve					0	0	0	0				175.1		0	0			175.1		0	0
137	Bus - SB Rebates	Pre Rinse Sprayer					0	0	0	0				110.5		0	0			110.5		0	0
138	Bus - SB Rebates	Steam Boiler ≥82% AFUE, <300MBh					0	0	0	0				0.4		0	0			0.4		0	0
139	Bus - SB Rebates	Steam Boiler ≥82% AFUE, >300MBh TE					0	0	0	0				0.6		0	0			0.6		0	0
140	Bus - SB Rebates	Steam Traps - Dry Cleaner/Industrial					0	0	0	0				255.4		0	0			255.4		0	0
141	Bus - SB Rebates	Steam Traps - HVAC Repair/Rep - Audit					0	0	0	0				163.8		0	0			163.8		0	0
142	Bus - SB Rebates	Steam Traps - HVAC Repair/Rep - No Audit					0	0	0	0				44.2		0	0			44.2		0	0
143	Bus - SB Rebates	Steam Traps - Test					0	0	0	0													
144	Bus - SB Rebates	Thermostat - Programmable					0	0	0	0				126.1		0	0			126.1		0	0
145	Bus - SB Rebates	Water Heater - Storage 88% TE ≥75MBh					0	0	0	0				143.6		0	0			143.6		0	0
146	Bus - SB Rebates	Water Heater 88% TE - Central Plant (Lodging)					0	0	0	0				0.5		0	0			0.5		0	0
147	Bus - SB Rebates	Water Heater 88% TE - Laundromat					0	0	0	0													
148	Bus - SB Rebates	Water Heater 95% TE - Laundromat					0	0	0	0													
149	Bus - SB Rebates	Double Rack Oven					0	0	0	0				2064.0		0	0			2,064.0		0	0
150	Bus - SB Rebates	Energy Star Convection Oven					0	0	0	0				306.0		0	0			306.0		0	0
151	Bus - SB Rebates	Energy Star Conveyer Oven					0	0	0	0				733.0		0	0			733.0		0	0
152	Bus - SB Rebates	Energy Star Fryer					0	0	0	0				505.0		0	0			505.0		0	0
153	Bus - SB Rebates	Energy Star Steamer - 3 Pans					0	0	0	0				752.0		0	0			752.0		0	0
154	Bus - SB Rebates	Energy Star Steamer - 4 Pans					0	0	0	0				1007.3		0	0			1,007.3		0	0
155	Bus - SB Rebates	Energy Star Steamer - 5 Pans					0	0	0	0				1248.7		0	0			1,248.7		0	0
156	Bus - SB Rebates	Energy Star Steamer - 6 Pans					0	0	0	0				1503.9		0	0			1,503.9		0	0
157	Bus - SB Rebates	Heat Recovery Grease Trap Filter					0	0	0	0				1379.9		0	0			1,379.9		0	0
158	Bus - SB Rebates	Infrared Charbroiler					0	0	0	0				661.0		0	0			661.0		0	0
159	Bus - SB Rebates	Infrared Rotisserie Oven					0	0	0	0				554.0		0	0			554.0		0	0
160	Bus - SB Rebates	Infrared Salamander Broiler					0	0	0	0				239.0		0	0			239.0		0	0
161	Bus - SB Rebates	Infrared Upright Broiler					0	0	0	0				1089.0		0	0			1,089.0		0	0
162	Bus - CI Rebates	Boiler ≥88% AFUE, <300MBh					0	0	0	0				1.1		0	0			1.1		0	0
163	Bus - CI Rebates	Boiler ≥88% AFUE, ≥300MBh TE					0	0	0	0				1.5		0	0			1.5		0	0
164	Bus - CI Rebates	Boiler Reset Controls					0	0	0	0				246.2		0	0			246.2		0	0
165	Bus - CI Rebates	Boiler Tune Up - Process					0	0	0	0				0.8		0	0			0.8		0	0
166	Bus - CI Rebates	Boiler Tune Up - Space Heating					0	0	0	0				0.4		0	0			0.4		0	0
167	Bus - CI Rebates	Condensing Unit Heater					0	0	0	0				1.8		0	0			1.8		0	0
168	Bus - CI Rebates	DCV - Kitchen					0	0	0	0				8523.5		0	0			8,523.5		0	0
169	Bus - CI Rebates	Direct Fired Heaters					0	0	0	0													
170	Bus - CI Rebates	High Speed Washer - Hotel/Motel/Hospital					0	0	0	0													
171	Bus - CI Rebates	Infrared Heater					0	0	0	0				3.0		0	0			3.0		0	0
172	Bus - CI Rebates	Modulating Commercial Gas Clothes Dryer					0	0	0	0				300.0		0	0			300.0		0	0
173	Bus - CI Rebates	Ozone Laundry					0	0	0	0				30.7		0	0			30.7		0	0
174	Bus - CI Rebates	Pipe Insulation - HW Small 1" to 2"					0	0	0	0				2.7		0	0			2.7		0	0
175	Bus - CI Rebates	Pipe Insulation - HW Medium 2.1" to 4"					0	0	0	0				5.2		0	0			5.2		0	0
176	Bus - CI Rebates	Pipe Insulation - HW Large >4"					0	0	0	0				9.0		0	0			9.0		0	0
177	Bus - CI Rebates	Pipe Insulation - Steam - Small 1" to 2"					0	0	0	0				3.2		0	0			3.2		0	0
178	Bus - CI Rebates	Pipe Insulation - Steam - Med 2.1" to 5"					0	0	0	0				13.1		0	0			13.1		0	0
179	Bus - CI Rebates	Pipe Insulation - Steam - Large 5.1" to 8"					0	0	0	0				24.3		0	0			24.3		0	0
180	Bus - CI Rebates	Pipe Insulation - Steam - X-Large >8"					0	0	0	0				36.0		0	0			36.0		0	0
181	Bus - CI Rebates	Pipe Insulation - Steam Med Fitting					0	0	0	0				12.5		0	0			12.5		0	0
182	Bus - CI Rebates	Pipe Insulation - Steam Large Fitting					0	0	0	0				51.2		0	0			51.2		0	0
183	Bus - CI Rebates	Pipe Insulation - Steam X-Large Fitting					0	0	0	0				99.1		0	0			99.1		0	0
184	Bus - CI Rebates	Pipe Insulation - Steam Med Valve					0	0	0	0				37.4		0	0			37.4		0	0
185	Bus - CI Rebates	Pipe Insulation - Steam Large Valve					0	0	0	0				107.5		0	0			107.5		0	0
186	Bus - CI Rebates	Pipe Insulation - Steam X-Large Valve					0	0	0	0				175.1		0	0			175.1		0	0
187	Bus - CI Rebates	Pre Rinse Sprayer					0	0	0	0				221.0		0	0			221.0		0	0
188	Bus - CI Rebates	Steam Boiler ≥82% AFUE, <300MBh					0	0	0	0				0.4		0	0			0.4		0	0
189	Bus - CI Rebates	Steam Boiler ≥82% AFUE, >300MBh TE					0	0	0	0				0.6		0	0			0.6		0	0
190	Bus - CI Rebates	Steam Traps - Dry Cleaner/Industrial					0	0	0	0				255.4		0	0			255.4		0	0
191	Bus - CI Rebates	Steam Traps - HVAC Repair/Rep - Audit					0	0	0	0				163.8		0	0			163.8		0	0
192	Bus - CI Rebates	Steam Traps - HVAC Repair/Rep - No Audit					0	0	0	0				44.2		0	0			44.2		0	0
193	Bus - CI Rebates	Steam Traps - Test					0	0	0	0													
194	Bus - CI Rebates	Thermostat - Programmable					0	0	0	0				126.1		0	0			126.1		0	0
195	Bus - CI Rebates	Water Heater - Storage 88% TE ≥75MBh					0	0	0	0				143.6		0	0			143.6		0	0
196	Bus - CI Rebates	Water Heater 88% TE - Central Plant (Lodging)					0	0	0	0				0.5		0	0			0.5		0	0
197	Bus - CI Rebates	Double Rack Oven					0	0	0	0				2064.0		0	0			2,064.0		0	0
198	Bus - CI Rebates	Energy Star Convection Oven					0	0	0	0				306.0		0	0			306.0		0	0
199	Bus - CI Rebates	Energy Star Conveyer Oven					0	0	0	0				733.0		0	0			733.0		0	0
200	Bus - CI Rebates	Energy Star Fryer					0	0	0	0				505.0		0	0			505.0		0	0
201	Bus - CI Rebates	Energy Star Steamer - 3 Pans					0	0	0	0				752.0		0	0			752.0		0	0
202	Bus - CI Rebates	Energy Star Steamer - 4 Pans					0	0	0	0				1007.3		0	0			1,007.3		0	0
203	Bus - CI Rebates	Energy Star Steamer - 5 Pans					0	0	0	0				1248.7		0	0			1,248.7		0	0
204	Bus - CI Rebates	Energy Star Steamer - 6 Pans					0	0	0	0				1503.9		0	0			1,503.9		0	0
205	Bus - CI Rebates	Heat Recovery Grease Trap Filter					0	0	0	0				1379.9		0	0			1,379.9		0	0
206	Bus - CI Rebates	Infrared Charbroiler					0	0	0	0				661.0		0	0			661.0		0	0
207	Bus - CI Rebates	Infrared Rotisserie Oven					0	0	0	0				554.0		0	0			554.0		0	0
208	Bus - CI Rebates	Infrared Salamander Broiler					0	0	0	0				239.0		0	0			239.0		0	0
209	Bus - CI Rebates	Infrared Upright Broiler					0	0	0	0				1089.0		0	0			1,089.0		0	0
210	Bus - SB Rebates	SB Custom					0	0	0	0													
211	Bus - CI Rebates	CI Custom					0	0	0	0													
212	Bus - CI Rebates	New Construction					0	0	0	0													
213	Low Income - Outreach & Education	Behavior					0	0	0	0				16.9		0	0			16.9		0	0
214	Low Income - Outreach & Education	Energy Education					0	0	0	0													
215	Low Income - SF Retrofit	Retrofit					0	0	0	0													
216	Low Income - MF Retrofit	Bathroom Aerator					0	0	0	0				1.2		0	0			1.2		0	0
217	Low Income - MF Retrofit	Kitchen Aerator					0	0	0	0				5.1		0	0			5.1		0	0
218	Low Income - MF Retrofit	Showerhead					0	0	0	0				17.9		0	0			17.9		0	0
219	Low Income - MF Retrofit	Pipe Insulation (DHW)					0	0	0	0				1.0		0	0			1.0		0	0
220	Low Income - MF Retrofit	Water Heater Setback					0	0	0	0				3.5		0	0			3.5		0	0
221	Low Income - MF Retrofit	Air Sealing					0	0	0	0				600.0		0	0			600.0		0	0
222	Low Income - MF Retrofit	Attic Insulation & Air Sealing					0	0	0	0				1400.0		0	0			1,400.0		0	0
223	Low Income - MF Retrofit	Wall Insulation					0	0	0	0				1500.0		0	0			1,500.0		0	0
224	Low Income - MF Retrofit	Pipe Insulation - DHW					0	0	0	0				700.0		0	0			700.0		0	0
225	Low Income - MF Retrofit	Pipe Insulation - Heating					0	0	0	0				1100.0		0	0			1,100.0		0	0
226	Low Income - MF Retrofit	Boiler Tune-ups					0	0	0	0				130.0		0	0			130.0		0	0
227	Low Income - MF Retrofit	Outdoor Resets/Cutouts					0	0	0	0				1000.0		0	0			1,000.0		0	0
228	Low Income - MF Retrofit	Steam Trap					0	0	0	0				110.0		0	0			110.0		0	0
229	Low Income - MF Retrofit	Controls for Central DHW Pumps					0	0	0	0				1300.0		0	0			1,300.0		0	0
230	Low Income - MF Retrofit	Steam Boiler Averaging Controls					0	0	0	0				1200.0		0	0			1,200.0		0	0
231	Low Income - MF Retrofit	Boiler Replacement					0	0	0	0				1300.0		0	0			1,300.0		0	0
232	Low Income - MF Retrofit	DHW Replacement					0	0	0	0				800.0		0	0			800.0		0	0
233	Low Income - MF Retrofit	HVAC Balancing/Optimizing					0	0	0	0				680.0		0	0			680.0		0	0
234	Low Income - SF New Construction	Furnace >95% AFUE					0	0	0	0		0		164.6		0	0			164.6		0	0
235	Low Income - SF New Construction	Water Heater - Storage 0.67 EF					0	0	0	0		0		13.0		0	0			13.0		0	0
236	Low Income - SF New Construction	Programmable Thermostat - Furnace					0	0	0	0		0		34.9		0	0			34.9		0	0
237	Low Income - SF New Construction	Duct Sealing					0	0	0	0		0		0.7		0	0			0.7		0	0
238	Low Income - MF New Construction	New Construction					0	0	0	0				1.0		0	0			1.0		0	0
239	**Portfolio Total (kWh)**						0	0	0	0	0						0						0
240	**Portfolio Total (Therms)**						0	0	0	0	0						0						0

PS-PG EX. 1.6B

EEPS Adjustable Savings Goal Template - *Measure-Level Adjustments Tab*

Updated 09/30/16

Program Administrator: Peoples Gas

	A	B	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB
5			**EPY12/GPY9 Adjustment**						**Final Adjusted Net Energy Savings Goals**				**Approved Energy Efficiency Plan Key Assumptions - Measure-Level Algorithm Inputs**	
6			**EPY12/GPY9 Gross Unit Savings, Effective June 1, 2019 - May 31, 2020**				**Adjusted Energy Savings Goal**	**Savings IL-TRM Adjustment to NTG-Adjusted Goal**					*Not derived from values in the IL-TRM, and therefore will not necessitate a change in savings goals if the IL-TRM is updated. Note: The Key Custom Input Assumptions specified in column (ba) should remain fixed over the Plan period when calculating the Gross Unit Savings for the Measure for the applicable Program Years set forth in columns (ag), (am), and (as), unless consensus is reached at SAG that the extenuating circumstance warrants an adjustment.*	*Derived from the IL-TRM that, if changed in the IL-TRM in the future, would therefore necessitate a savings goal adjustment, unless consensus is reached at SAG that the extenuating circumstance warrants no adjustment.*
7	**Program**	**Measure**	IL-TRM Measure Code from IL-TRMv8.0 or errata applicable to EPY12/GPY9	Reference Document Explaining Gross Unit Savings Calculation Details	EPY12/GPY9 Gross Unit Savings	Gross Unit Savings Adjustment Explanation	EPY12/GPY9 Adjusted Goal	EPY12/GPY9 IL-TRM Adjustment	**EPY10/GPY7 Final Goal**	**EPY11/GPY8 Final Goal**	**EPY12/GPY9 Final Goal**	**Electric Plan 4/Gas Plan 3 Final Goal**	**Key Custom Input Assumptions (if none, specify NA)**	**Key IL-TRM Input Assumptions**
8	*(a)*	*(b)*	*(aq)*	*(ar)*	*(as)*	*(at)*	*(au)=(i x as x*	*(av)=(au-ab)*	*(aw)=(al) [if*	*(ax)=(ao) [if*	*(ay)=(au) [if*	*(az)=(aw+ax+ay)*	*(ba)*	*(bb)*
9	Res - Outreach & Education	Behavior			16.9		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
10	Res - Outreach & Education	Energy Education							0	0	0	0	See 'Unit Savings Calculations' Tab	
11	Res - SF Assessments	Bathroom Aerator			0.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
12	Res - SF Assessments	Kitchen Aerator			5.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
13	Res - SF Assessments	Showerhead			14.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
14	Res - SF Assessments	Pipe Insulation (DHW)			1.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
15	Res - SF Assessments	Pipe Insulation (Boiler)			0.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
16	Res - SF Assessments	Programmable Thermostat - Furnace			62.3		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
17	Res - SF Assessments	Programmable Thermostat - Boiler			75.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
18	Res - SF Assessments	Advanced Thermostat - Furnace (Replace Manual)			88.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
19	Res - SF Assessments	Advanced Thermostat - Boiler (Replace Manual)			107.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
20	Res - SF Assessments	Advanced Thermostat - Furnace (Replace Programmable)			56.3		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
21	Res - SF Assessments	Advanced Thermostat - Boiler (Replace Programmable)			68.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
22	Res - SF Assessments	Thermostat - Reprogram			62.3		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
23	Res - MF Assessments	Bathroom Aerator			1.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
24	Res - MF Assessments	Kitchen Aerator			5.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
25	Res - MF Assessments	Showerhead			17.9		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
26	Res - MF Assessments	Pipe Insulation (DHW)			1.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
27	Res - MF Assessments	Pipe Insulation (Boiler)			0.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
28	Res - MF Assessments	Programmable Thermostat - Furnace			40.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
29	Res - MF Assessments	Programmable Thermostat - Boiler			49.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
30	Res - MF Assessments	Advanced Thermostat - Furnace (Replace Manual)			57.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
31	Res - MF Assessments	Advanced Thermostat - Boiler (Replace Manual)			69.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
32	Res - MF Assessments	Advanced Thermostat - Furnace (Replace Programmable)			36.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
33	Res - MF Assessments	Advanced Thermostat - Boiler (Replace Programmable)			44.3		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
34	Res - MF Assessments	Thermostat - Reprogram			40.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
35	Res - MF Assessments	Gas Optimization							0	0	0	0	See 'Unit Savings Calculations' Tab	
36	Res - SF Rebates	Boiler - DHW Two-in-One			163.9		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
37	Res - SF Rebates	Boiler ≥90% AFUE, <300MBh			132.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
38	Res - SF Rebates	Boiler ≥95% AFUE, <300MBh			203.3		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
39	Res - SF Rebates	Furnace >95% AFUE			164.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
40	Res - SF Rebates	Furnace >97% AFUE			182.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
41	Res - SF Rebates	Programmable Thermostat - Furnace			34.9		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
42	Res - SF Rebates	Programmable Thermostat - Boiler			42.3		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
43	Res - SF Rebates	Advanced Thermostat - Furnace (Replace Manual)			88.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
44	Res - SF Rebates	Advanced Thermostat - Boiler (Replace Manual)			107.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
45	Res - SF Rebates	Advanced Thermostat - Furnace (Replace Programmable)			56.3		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
46	Res - SF Rebates	Advanced Thermostat - Boiler (Replace Programmable)			68.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
47	Res - SF Rebates	Air Sealing			0.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
48	Res - SF Rebates	Attic Insulation			0.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
49	Res - SF Rebates	Duct Sealing			0.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
50	Res - SF Rebates	New Construction 20-25% over IL 2015 Code							0	0	0	0	See 'Unit Savings Calculations' Tab	
51	Res - SF Rebates	New Construction 25-30% over IL 2015 Code							0	0	0	0	See 'Unit Savings Calculations' Tab	
52	Res - SF Rebates	New Construction 30-40% over IL 2015 Code							0	0	0	0	See 'Unit Savings Calculations' Tab	
53	Res - SF Rebates	New Construction ≥40% over IL 2015 Code							0	0	0	0	See 'Unit Savings Calculations' Tab	
54	Res - MF Rebates	Boiler ≥88% AFUE, <300MBh			1.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
55	Res - MF Rebates	Boiler ≥88% AFUE, ≥300MBh TE			1.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
56	Res - MF Rebates	Boiler Reset Controls			269.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
57	Res - MF Rebates	Boiler Tune Up - Process			0.8		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
58	Res - MF Rebates	Boiler Tune Up - Space Heating			0.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
59	Res - MF Rebates	Condensing Unit Heater			1.8		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
60	Res - MF Rebates	Direct Fired Heaters							0	0	0	0	See 'Unit Savings Calculations' Tab	
61	Res - MF Rebates	Furnace >95% AFUE			248.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
62	Res - MF Rebates	Furnace >95% AFUE (MF Unit)			107.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
63	Res - MF Rebates	High Speed Washer							0	0	0	0	See 'Unit Savings Calculations' Tab	
64	Res - MF Rebates	Infrared Heater			3.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
65	Res - MF Rebates	Ozone Laundry			30.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
66	Res - MF Rebates	Pipe Insulation - Hyd. Boiler Sm <=1.25"			2.3		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
67	Res - MF Rebates	Pipe Insulation - Hyd. Boiler Med 1.25-2"			3.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
68	Res - MF Rebates	Pipe Insulation - Hyd. Boiler Large >=2"			6.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
69	Res - MF Rebates	Pipe Insulation - HW Small 1" to 2"			3.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
70	Res - MF Rebates	Pipe Insulation - HW Medium 2.1" to 4"			6.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
71	Res - MF Rebates	Pipe Insulation - HW Large >4"			10.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
72	Res - MF Rebates	Pipe Insulation - Steam - Small 1" to 2"			4.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
73	Res - MF Rebates	Pipe Insulation - Steam - Med 2.1" to 5"			13.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
74	Res - MF Rebates	Pipe Insulation - Steam - Large 5.1" to 8"			30.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
75	Res - MF Rebates	Pipe Insulation - Steam - X-Large >8"			44.8		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
76	Res - MF Rebates	Pipe Insulation - Steam Med Fitting			15.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
77	Res - MF Rebates	Pipe Insulation - Steam Large Fitting			63.8		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
78	Res - MF Rebates	Pipe Insulation - Steam X-Large Fitting			123.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
79	Res - MF Rebates	Pipe Insulation - Steam Med Valve			46.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
80	Res - MF Rebates	Pipe Insulation - Steam Large Valve			133.9		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
81	Res - MF Rebates	Pipe Insulation - Steam X-Large Valve			218.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
82	Res - MF Rebates	Steam Boiler ≥82% AFUE, <300MBh			0.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
83	Res - MF Rebates	Steam Boiler ≥82% AFUE, >300MBh TE			0.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
84	Res - MF Rebates	Steam Boiler Averaging Controls			61.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
85	Res - MF Rebates	Steam Traps - Dry Cleaner/Industrial			255.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
86	Res - MF Rebates	Steam Traps - HVAC Repair/Rep - Audit			204.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
87	Res - MF Rebates	Steam Traps - HVAC Repair/Rep - No Audit			55.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
88	Res - MF Rebates	Steam Traps - Test							0	0	0	0	See 'Unit Savings Calculations' Tab	
89	Res - MF Rebates	Thermostat - Programmable			126.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
90	Res - MF Rebates	Water Heater 88% TE - Central Plant			46.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
91	Res - MF Rebates	Water Heater 88% TE - Central Plant (Lodging)			0.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
92	Res - MF Rebates	Air Sealing			0.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
93	Res - MF Rebates	Duct Sealing			0.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
94	Res - MF Rebates	Multifamily Custom							0	0	0	0	See 'Unit Savings Calculations' Tab	
95	Bus - CI Assessments	Aerator - Bathroom			6.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
96	Bus - CI Assessments	Aerator - Kitchen			7.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
97	Bus - CI Assessments	Showerhead			21.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
98	Bus - CI Assessments	Pre Rinse Sprayer			343.8		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
99	Bus - CI Assessments	Laminar							0	0	0	0	See 'Unit Savings Calculations' Tab	
100	Bus - SB Assessments	Aerator - Bathroom			6.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
101	Bus - SB Assessments	Aerator - Kitchen			7.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
102	Bus - SB Assessments	Showerhead			21.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
103	Bus - SB Assessments	Pipe Insulation - DHW			5.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
104	Bus - SB Assessments	Pre Rinse Sprayer			171.9		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
105	Bus - CI Assessments	Gas Optimization							0	0	0	0	See 'Unit Savings Calculations' Tab	
106	Bus - CI Assessments	Retrocommissioning							0	0	0	0	See 'Unit Savings Calculations' Tab	
107	Bus - CI Assessments	Engineering Study							0	0	0	0	See 'Unit Savings Calculations' Tab	
108	Bus - CI Rebates	Staffing							0	0	0	0	See 'Unit Savings Calculations' Tab	
109	Bus - SB Rebates	Boiler ≥88% AFUE, <300MBh			1.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
110	Bus - SB Rebates	Boiler ≥88% AFUE, ≥300MBh TE			1.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
111	Bus - SB Rebates	Boiler Reset Controls			255.3		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
112	Bus - SB Rebates	Boiler Tune Up - Process			0.8		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
113	Bus - SB Rebates	Boiler Tune Up - Space Heating			0.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
114	Bus - SB Rebates	Condensing Unit Heater			1.8		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
115	Bus - SB Rebates	DCV - Kitchen			8,523.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
116	Bus - SB Rebates	Direct Fired Heaters							0	0	0	0	See 'Unit Savings Calculations' Tab	
117	Bus - SB Rebates	High Speed Washer - Hotel/Motel/Hospital							0	0	0	0	See 'Unit Savings Calculations' Tab	
118	Bus - SB Rebates	High Speed Washer - Laundromat							0	0	0	0	See 'Unit Savings Calculations' Tab	
119	Bus - SB Rebates	Infrared Heater			3.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
120	Bus - SB Rebates	Modulating Commercial Gas Clothes Dryer			300.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
121	Bus - SB Rebates	Ozone Laundry			30.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
122	Bus - SB Rebates	Pipe Insulation - Dry Cleaners			4.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
123	Bus - SB Rebates	Pipe Insulation - Dry Cleaners -Elbows			2.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
124	Bus - SB Rebates	Pipe Insulation - HW Small 1" to 2"			2.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
125	Bus - SB Rebates	Pipe Insulation - HW Medium 2.1" to 4"			5.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
126	Bus - SB Rebates	Pipe Insulation - HW Large >4"			9.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab

A	B	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB
		EPY12/GPY9 Adjustment						Final Adjusted Net Energy Savings Goals				Approved Energy Efficiency Plan Key Assumptions - Measure-Level Algorithm Inputs	
		EPY12/GPY9 Gross Unit Savings, Effective June 1, 2019 - May 31, 2020				Adjusted Energy Savings Goal	Savings IL-TRM Adjustment to NTG-Adjusted Goal					*Not derived from values in the IL-TRM, and therefore will not necessitate a change in savings goals if the IL-TRM is updated. Note: The Key Custom Input Assumptions specified in column (ba) should remain fixed over the Plan period when calculating the Gross Unit Savings for the Measure for the applicable Program Years set forth in columns (ag), (am), and (as), unless consensus is reached at SAG that the extenuating circumstance warrants an adjustment.*	*Derived from the IL-TRM that, if changed in the IL-TRM in the future, would therefore necessitate a savings goal adjustment, unless consensus is reached at SAG that the extenuating circumstance warrants no adjustment.*
Program	**Measure**	IL-TRM Measure Code from IL-TRMv8.0 or errata applicable to EPY12/GPY9	Reference Document Explaining Gross Unit Savings Calculation Details	EPY12/GPY9 Gross Unit Savings	Gross Unit Savings Adjustment Explanation	EPY12/GPY9 Adjusted Goal	EPY12/GPY9 IL-TRM Adjustment	**EPY10/GPY7 Final Goal**	**EPY11/GPY8 Final Goal**	**EPY12/GPY9 Final Goal**	**Electric Plan 4/Gas Plan 3 Final Goal**	**Key Custom Input Assumptions (if none, specify NA)**	**Key IL-TRM Input Assumptions**
(a)	*(b)*	*(aq)*	*(ar)*	*(as)*	*(at)*	*(au)=(l x as x*	*(av)=(au-ab)*	*(aw)=(al) [if*	*(ax)=(ao) [if*	*(ay)=(au) [if*	*(az)=(aw+ax+ay)*	*(ba)*	*(bb)*
Bus - SB Rebates	Pipe Insulation - Steam - Small 1" to 2"			3.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Pipe Insulation - Steam - Med 2.1" to 5"			13.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Pipe Insulation - Steam - Large 5.1" to 8"			24.3		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Pipe Insulation - Steam - X-Large >8"			36.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Pipe Insulation - Steam Med Fitting			12.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Pipe Insulation - Steam Large Fitting			51.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Pipe Insulation - Steam X-Large Fitting			99.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Pipe Insulation - Steam Med Valve			37.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Pipe Insulation - Steam Large Valve			107.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Pipe Insulation - Steam X-Large Valve			175.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Pre Rinse Sprayer			110.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Steam Boiler ≥82% AFUE, <300MBh			0.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Steam Boiler ≥82% AFUE, >300MBh TE			0.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Steam Traps - Dry Cleaner/Industrial			255.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Steam Traps - HVAC Repair/Rep - Audit			163.8		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Steam Traps - HVAC Repair/Rep - No Audit			44.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Steam Traps - Test							0	0	0	0	See 'Unit Savings Calculations' Tab	
Bus - SB Rebates	Thermostat - Programmable			126.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Water Heater - Storage 88% TE ≥75MBh			143.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Water Heater 88% TE - Central Plant (Lodging)			0.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Water Heater 88% TE - Laundromat							0	0	0	0	See 'Unit Savings Calculations' Tab	
Bus - SB Rebates	Water Heater 95% TE - Laundromat							0	0	0	0	See 'Unit Savings Calculations' Tab	
Bus - SB Rebates	Double Rack Oven			2,064.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Energy Star Convection Oven			306.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Energy Star Conveyer Oven			733.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Energy Star Fryer			505.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Energy Star Steamer - 3 Pans			752.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Energy Star Steamer - 4 Pans			1,007.3		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Energy Star Steamer - 5 Pans			1,248.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Energy Star Steamer - 6 Pans			1,503.9		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Heat Recovery Grease Trap Filter			1,379.9		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Infrared Charbroiler			661.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Infrared Rotisserie Oven			554.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Infrared Salamander Broiler			239.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	Infrared Upright Broiler			1,089.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Boiler ≥88% AFUE, <300MBh			1.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Boiler ≥88% AFUE, ≥300MBh TE			1.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Boiler Reset Controls			246.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Boiler Tune Up - Process			0.8		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Boiler Tune Up - Space Heating			0.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Condensing Unit Heater			1.8		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	DCV - Kitchen			8,523.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Direct Fired Heaters							0	0	0	0	See 'Unit Savings Calculations' Tab	
Bus - CI Rebates	High Speed Washer - Hotel/Motel/Hospital							0	0	0	0	See 'Unit Savings Calculations' Tab	
Bus - CI Rebates	Infrared Heater			3.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Modulating Commercial Gas Clothes Dryer			300.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Ozone Laundry			30.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Pipe Insulation - HW Small 1" to 2"			2.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Pipe Insulation - HW Medium 2.1" to 4"			5.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Pipe Insulation - HW Large >4"			9.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Pipe Insulation - Steam - Small 1" to 2"			3.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Pipe Insulation - Steam - Med 2.1" to 5"			13.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Pipe Insulation - Steam - Large 5.1" to 8"			24.3		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Pipe Insulation - Steam - X-Large >8"			36.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Pipe Insulation - Steam Med Fitting			12.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Pipe Insulation - Steam Large Fitting			51.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Pipe Insulation - Steam X-Large Fitting			99.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Pipe Insulation - Steam Med Valve			37.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Pipe Insulation - Steam Large Valve			107.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Pipe Insulation - Steam X-Large Valve			175.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Pre Rinse Sprayer			221.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Steam Boiler ≥82% AFUE, <300MBh			0.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Steam Boiler ≥82% AFUE, >300MBh TE			0.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Steam Traps - Dry Cleaner/Industrial			255.4		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Steam Traps - HVAC Repair/Rep - Audit			163.8		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Steam Traps - HVAC Repair/Rep - No Audit			44.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Steam Traps - Test							0	0	0	0	See 'Unit Savings Calculations' Tab	
Bus - CI Rebates	Thermostat - Programmable			126.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Water Heater - Storage 88% TE ≥75MBh			143.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Water Heater 88% TE - Central Plant (Lodging)			0.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Double Rack Oven			2,064.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Energy Star Convection Oven			306.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Energy Star Conveyer Oven			733.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Energy Star Fryer			505.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Energy Star Steamer - 3 Pans			752.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Energy Star Steamer - 4 Pans			1,007.3		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Energy Star Steamer - 5 Pans			1,248.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Energy Star Steamer - 6 Pans			1,503.9		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Heat Recovery Grease Trap Filter			1,379.9		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Infrared Charbroiler			661.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Infrared Rotisserie Oven			554.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Infrared Salamander Broiler			239.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - CI Rebates	Infrared Upright Broiler			1,089.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Bus - SB Rebates	SB Custom							0	0	0	0	See 'Unit Savings Calculations' Tab	
Bus - CI Rebates	CI Custom							0	0	0	0	See 'Unit Savings Calculations' Tab	
Bus - CI Rebates	New Construction							0	0	0	0	See 'Unit Savings Calculations' Tab	
Low Income - Outreach & Education	Behavior			16.9		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Low Income - Outreach & Education	Energy Education							0	0	0	0	See 'Unit Savings Calculations' Tab	
Low Income - SF Retrofit	Retrofit							0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Bathroom Aerator			1.2		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Kitchen Aerator			5.1		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Showerhead			17.9		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Pipe Insulation (DHW)			1.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Water Heater Setback			3.5		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Air Sealing			600.0		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Attic Insulation & Air Sealing			1,400.0		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Wall Insulation			1,500.0		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Pipe Insulation - DHW			700.0		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Pipe Insulation - Heating			1,100.0		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Boiler Tune-ups			130.0		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Outdoor Resets/Cutouts			1,000.0		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Steam Trap			110.0		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Controls for Central DHW Pumps			1,300.0		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Steam Boiler Averaging Controls			1,200.0		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	Boiler Replacement			1,300.0		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	DHW Replacement			800.0		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Low Income - MF Retrofit	HVAC Balancing/Optimizing			680.0		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Low Income - SF New Construction	Furnace >95% AFUE			164.6		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Low Income - SF New Construction	Water Heater - Storage 0.67 EF			13.0		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Low Income - SF New Construction	Programmable Thermostat - Furnace			34.9		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Low Income - SF New Construction	Duct Sealing			0.7		0	0	0	0	0	0		See 'Unit Savings Calculations' Tab
Low Income - MF New Construction	New Construction			1.0		0	0	0	0	0	0	See 'Unit Savings Calculations' Tab	See 'Unit Savings Calculations' Tab
Portfolio Total (kWh)							0	**0**	**0**	**0**	**0**		
Portfolio Total (Therms)							0	**0**	**0**	**0**	**0**		

	A	B	C	D	E	F	G	H	I	J	K	L
1	PS-PG EX. 1.6B											
2					Units							
3	**Program**	**Measure**	**Units**	**Gas NTGR**	**PY7**	**PY8**	**PY9**	**Therms Saved per Unit**	**Algorithm Source**	**TRM Section**	**TRM Measure Code**	**Savings Algorithm**
4	Res - Outreach & Education	Behavior	each	100%	32,384	32,384	32,384	16.91	IL TRM 6/1/2016	6.1.1	CC-BEH-BEHP-V01-170601	Custom
5	Res - Outreach & Education	Energy Education	each	100%	5,000	5,000	5,000	10.00	Custom	Custom	Custom	Custom
6	Res - SF Assessments	Bathroom Aerator	each	96%	12,250	12,250	12,250	0.69	IL TRM 6/1/2016	5.4.4	RS-HWE-LFFA-V05-160601	ΔTherms = ((GPM_base * L_base - GPM_low * L_low) * Household * 365.25 *DF / FPH) * EPG_gas * ISR
7	Res - SF Assessments	Kitchen Aerator	each	96%	6,750	6,750	6,750	5.60	IL TRM 6/1/2016	5.4.4	RS-HWE-LFFA-V05-160601	ΔTherms = ((GPM_base * L_base - GPM_low * L_low) * Household * 365.25 *DF / FPH) * EPG_gas * ISR
8	Res - SF Assessments	Showerhead	each	96%	14,250	14,250	14,250	14.04	IL TRM 6/1/2016	5.4.5	RS-HWE-LFSH-V04-160601	ΔTherms = ((GPM_base * L_base - GPM_low * L_low) * Household * SPCD * 365.25 / SPH) * EPG_gas * ISR
9	Res - SF Assessments	Pipe Insulation (DHW)	ft	96%	41,514	41,514	41,514	0.99	IL TRM 6/1/2016	5.4.1	RS-HVC-PINS-V02-160601	ΔTherm = ((1/Rexist – 1/Rnew) * (L * C) * ΔT * 8,766) / ηDHW /100,000
10	Res - SF Assessments	Pipe Insulation (Boiler)	ft	96%	20,250	20,250	20,250	0.42	IL TRM 6/1/2016	5.3.2	RS-HVC-PINS-V02-160601	ΔTherm = (((1/Rexist * Cexist) – (1/Rnew * Cnew)) * FLH_heat * L * ΔT) / ηBoiler /100,000
11	Res - SF Assessments	Programmable Thermostat - Furnace	each	96%	2,500	2,500	2,500	62.3	IL TRM 6/1/2016	5.3.11	RS-HVC-PROG-V03-140601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
12	Res - SF Assessments	Programmable Thermostat - Boiler	each	96%	250	250	250	75.5	IL TRM 6/1/2016	5.3.11	RS-HVC-PROG-V03-140601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
13	Res - SF Assessments	Advanced Thermostat - Furnace (Replace Manual)	each	100%	625	625	625	88.4	IL TRM 6/1/2016	5.3.16	RS-HVC-ADTH-V01-160601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
14	Res - SF Assessments	Advanced Thermostat - Boiler (Replace Manual)	each	100%	125	125	125	107.2	IL TRM 6/1/2016	5.3.16	RS-HVC-ADTH-V01-160601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
15	Res - SF Assessments	Advanced Thermostat - Furnace (Replace Programmable)	each	100%	625	625	625	56.3	IL TRM 6/1/2016	5.3.16	RS-HVC-ADTH-V01-160601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
16	Res - SF Assessments	Advanced Thermostat - Boiler (Replace Programmable)	each	100%	125	125	125	68.2	IL TRM 6/1/2016	5.3.16	RS-HVC-ADTH-V01-160601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
17	Res - SF Assessments	Thermostat - Reprogram	each	96%	2,125	2,125	2,125	62.3	IL TRM 6/1/2016	5.3.11	RS-HVC-PROG-V03-140601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
18	Res - MF Assessments	Bathroom Aerator	each	92%	12,040	12,040	12,040	1.25	IL TRM 6/1/2016	5.4.4	RS-HWE-LFFA-V05-160601	ΔTherms = ((GPM_base * L_base - GPM_low * L_low) * Household * 365.25 *DF / FPH) * EPG_gas * ISR
19	Res - MF Assessments	Kitchen Aerator	each	92%	9,380	9,380	9,380	5.13	IL TRM 6/1/2016	5.4.4	RS-HWE-LFFA-V05-160601	ΔTherms = ((GPM_base * L_base - GPM_low * L_low) * Household * 365.25 *DF / FPH) * EPG_gas * ISR
20	Res - MF Assessments	Showerhead	each	92%	9,380	9,380	9,380	17.90	IL TRM 6/1/2016	5.4.5	RS-HWE-LFSH-V04-160601	ΔTherms = ((GPM_base * L_base - GPM_low * L_low) * Household * SPCD * 365.25 / SPH) * EPG_gas * ISR
21	Res - MF Assessments	Pipe Insulation (DHW)	ft	92%	38,640	38,640	38,640	0.99	IL TRM 6/1/2016	5.4.1	RS-HVC-PINS-V02-160601	ΔTherm = ((1/Rexist – 1/Rnew) * (L * C) * ΔT * 8,766) / ηDHW /100,000
22	Res - MF Assessments	Pipe Insulation (Boiler)	ft	92%	18,849	18,849	18,849	0.42	IL TRM 6/1/2016	5.3.2	RS-HVC-PINS-V02-160601	ΔTherm = (((1/Rexist * Cexist) – (1/Rnew * Cnew)) * FLH_heat * L * ΔT) / ηBoiler /100,000
23	Res - MF Assessments	Programmable Thermostat - Furnace	each	92%	1,785	1,785	1,785	40.5	IL TRM 6/1/2016	5.3.11	RS-HVC-PROG-V03-140601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
24	Res - MF Assessments	Programmable Thermostat - Boiler	each	92%	595	595	595	49.1	IL TRM 6/1/2016	5.3.11	RS-HVC-PROG-V03-140601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
25	Res - MF Assessments	Advanced Thermostat - Furnace (Replace Manual)	each	100%	28	28	28	57.5	IL TRM 6/1/2016	5.3.16	RS-HVC-ADTH-V01-160601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
26	Res - MF Assessments	Advanced Thermostat - Boiler (Replace Manual)	each	100%	-	-	-	69.7	IL TRM 6/1/2016	5.3.16	RS-HVC-ADTH-V01-160601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
27	Res - MF Assessments	Advanced Thermostat - Furnace (Replace Programmable)	each	100%	28	28	28	36.6	IL TRM 6/1/2016	5.3.16	RS-HVC-ADTH-V01-160601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
28	Res - MF Assessments	Advanced Thermostat - Boiler (Replace Programmable)	each	100%	-	-	-	44.3	IL TRM 6/1/2016	5.3.16	RS-HVC-ADTH-V01-160601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
29	Res - MF Assessments	Thermostat - Reprogram	each	92%	140	140	140	40.5	IL TRM 6/1/2016	5.3.11	RS-HVC-PROG-V03-140601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
30	Res - MF Assessments	Gas Optimization	therm	102%	22,500	22,500	22,500	1	Custom	Custom	Custom	Custom
31	Res - SF Rebates	Boiler - DHW Two-in-One	each	81%	10	10	10	163.91	IL TRM 6/1/2016 & Custom	5.3.6	RS-HVC-GHEB-V05-160601	ΔTherms = Facility Factor*Gas_Boiler_Load *(((1/AFUEbase - 1/AFUEeff)+(1/ EFbase - 1/EFef) * (GPD * Household * 365.25 * γWater * (Tout – Tin) * 1)/100,000
32	Res - SF Rebates	Boiler ≥90% AFUE, <300MBh	each	81%	30	30	30	132.03	IL TRM 6/1/2016	5.3.6	RS-HVC-GHEB-V05-160601	ΔTherms = Facility Factor*Gas_Boiler_Load *(1/AFUEbase - 1/AFUeff)
33	Res - SF Rebates	Boiler ≥95% AFUE, <300MBh	each	81%	16	16	16	203.26	IL TRM 6/1/2016	5.3.6	RS-HVC-GHEB-V05-160601	ΔTherms = Facility Factor*Gas_Boiler_Load *(1/AFUEbase - 1/AFUeff)
34	Res - SF Rebates	Furnace >95% AFUE	each	57%	1,600	1,600	1,600	164.61	IL TRM 6/1/2016	5.3.7	RS-HVC-GHEF-V06-160601	ΔTherms = Gas_Furnace_Heating_Load *Housing Factor* (1/AFUEbase - 1/AFUEeff)
35	Res - SF Rebates	Furnace >97% AFUE	each	57%	350	350	350	182.71	IL TRM 6/1/2016	5.3.7	RS-HVC-GHEF-V06-160601	ΔTherms = Gas_Furnace_Heating_Load *Housing Factor* (1/AFUEbase - 1/AFUEeff)
36	Res - SF Rebates	Programmable Thermostat - Furnace	each	81%	-	-	-	34.9	IL TRM 6/1/2016	5.3.11	RS-HVC-PROG-V03-140601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
37	Res - SF Rebates	Programmable Thermostat - Boiler	each	81%	-	-	-	42.3	IL TRM 6/1/2016	5.3.11	RS-HVC-PROG-V03-140601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
38	Res - SF Rebates	Advanced Thermostat - Furnace (Replace Manual)	each	100%	1,408	1,408	1,408	88.4	IL TRM 6/1/2016	5.3.16	RS-HVC-ADTH-V01-160601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
39	Res - SF Rebates	Advanced Thermostat - Boiler (Replace Manual)	each	100%	485	485	485	107.2	IL TRM 6/1/2016	5.3.16	RS-HVC-ADTH-V01-160601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
40	Res - SF Rebates	Advanced Thermostat - Furnace (Replace Programmable)	each	100%	1,935	1,935	1,935	56.3	IL TRM 6/1/2016	5.3.16	RS-HVC-ADTH-V01-160601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
41	Res - SF Rebates	Advanced Thermostat - Boiler (Replace Programmable)	each	100%	660	660	660	68.2	IL TRM 6/1/2016	5.3.16	RS-HVC-ADTH-V01-160601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
42	Res - SF Rebates	Air Sealing	CFM_50	81%	297,296	297,296	297,296	0.08	IL TRM 6/1/2016	5.6.1	RS-SHL-AIRS-V05-160601	ΔTherms = (((CFM50_existing - CFM50_new)/N_heat) * 60 * 24 * HDD * 0.018) / (ηHeat * 100,000)
43	Res - SF Rebates	Attic Insulation	sq ft	81%	480,000	480,000	480,000	0.07	IL TRM 6/1/2016	5.6.4	RS-SHL-AINS-V06-160601	ΔTherms = (1/R_old - 1/R_attic) *A_attic * (1-Framing_factor_attic) * ADJ_Attic_Wall * 24 * HDD / (ηHeat * 100,000 Btu/therm)
44	Res - SF Rebates	Duct Sealing	CFM_25	81%	24,000	24,000	24,000	0.71	IL TRM 6/1/2016	5.3.4	RS-HVC-DINS-V06-160601	ΔTherm = (((ΔCFM25DL / (InputCapacityHeat * 0.0123)) * FLHheat *InputCapacityHeat) / 100,000 / ηHeat*TRF
45	Res - SF Rebates	New Construction 20-25% over IL 2015 Code	each	65%	50	50	50	257	Custom	Custom	Custom	Custom
46	Res - SF Rebates	New Construction 25-30% over IL 2015 Code	each	65%	20	20	20	361	Custom	Custom	Custom	Custom
47	Res - SF Rebates	New Construction 30-40% over IL 2015 Code	each	65%	10	10	10	475	Custom	Custom	Custom	Custom
48	Res - SF Rebates	New Construction ≥40% over IL 2015 Code	each	65%	2	2	2	798	Custom	Custom	Custom	Custom
49	Res - MF Rebates	Boiler ≥88% AFUE, <300MBh	MBH	92%	9,750	9,750	9,750	1.23	IL TRM 6/1/2016	4.4.10	CI-HVC-BOIL-V05-150601	ΔTherms = EFLH * Capacity * ((Eff_actual - Eff_base)/Eff_base)) / 100,000
50	Res - MF Rebates	Boiler ≥88% AFUE, ≥300MBh TE	MBH	92%	33,250	33,250	33,250	1.69	IL TRM 6/1/2016	4.4.10	CI-HVC-BOIL-V05-150601	ΔTherms = EFLH * Capacity * ((Eff_actual - Eff_base)/Eff_base)) / 100,000
51	Res - MF Rebates	Boiler Reset Controls	each	92%	40	40	40	269.60	IL TRM 6/1/2016	4.4.4	CI-HVC-BLRC-V03-150601	ΔTherms = Boiler_Input_Capacity * Savings_Factor * EFLH / 100
52	Res - MF Rebates	Boiler Tune Up - Process	MBH	92%	12,000	12,000	12,000	0.84	IL TRM 6/1/2016	4.4.3	CI-HVC-PBTU-V05-160601	Δtherms=((Ngi * 8766*UF)/100) * (1- (Effpre/Effmeasured))
53	Res - MF Rebates	Boiler Tune Up - Space Heating	MBH	92%	15,000	15,000	15,000	0.39	IL TRM 6/1/2016	4.4.2	CI-HVC-BLRT-V06-160601	Δtherms=(Capacity * EFLH * (((Effbefore + Ei) / Effbefore) - 1)) / 100,000
54	Res - MF Rebates	Condensing Unit Heater	MBH	92%	-	-	-	1.77	IL TRM 6/1/2016	4.4.5	CI-HVC-CUHT-V01-120601	Deemed Savings assumed average size of 150 MBH
55	Res - MF Rebates	Direct Fired Heaters	MBH	92%	-	-	-	2.39	Custom	Custom	Custom	ΔTherms = EFLH * Capacity * ((Eff(eff) – Eff(base)/Eff(base))/ 100,000
56	Res - MF Rebates	Furnace >95% AFUE	each	57%	20	20	20	248	IL TRM 6/1/2016	4.4.11	CI-HVC-FRNC-V06-160601	ΔTherms = EFLH * Capacity *((AFUEeff – AFUEexist)/ AFUEexist) / 100,000
57	Res - MF Rebates	Furnace >95% AFUE (MF Unit)	each	57%	15	15	15	106.99	IL TRM 6/1/2016	5.3.7	RS-HVC-GHEF-V06-160601	ΔTherms = Gas_Furnace_Heating_Load *Housing Factor* (1/AFUEbase - 1/AFUEeff)
58	Res - MF Rebates	High Speed Washer	lb-capacity	92%	11,750	11,750	11,750	3.73	Custom	Custom	Custom	Custom
59	Res - MF Rebates	Infrared Heater	MBH	92%	-	-	-	3.01	IL TRM 6/1/2016	4.4.12	CI-HVC-IRHT-V01-120601	ΔTherms = 451 / (Estimate Size)
60	Res - MF Rebates	Ozone Laundry	lb-capacity	92%	10,000	10,000	10,000	30.72	IL TRM 6/1/2016	4.3.6	CI-HW-OZLD-VO1-140601	ΔTherm = ThermBase * %hot_water_savings, ThermBase = WHE * WUtiliz * WUsage_hot/lb-capacity
61	Res - MF Rebates	Pipe Insulation - Hyd. Boiler Sm <=1.25"	ft	92%	5,775	5,775	5,775	2.30	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
62	Res - MF Rebates	Pipe Insulation - Hyd. Boiler Med 1.25-2"	ft	92%	6,525	6,525	6,525	3.60	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
63	Res - MF Rebates	Pipe Insulation - Hyd. Boiler Large >=2"	ft	92%	3,525	3,525	3,525	6.19	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
64	Res - MF Rebates	Pipe Insulation - HW Small 1" to 2"	ft	92%	1,125	1,125	1,125	3.14	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
65	Res - MF Rebates	Pipe Insulation - HW Medium 2.1" to 4"	ft	92%	1,050	1,050	1,050	6.19	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
66	Res - MF Rebates	Pipe Insulation - HW Large >4"	ft	92%	300	300	300	10.67	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
67	Res - MF Rebates	Pipe Insulation - Steam - Small 1" to 2"	ft	92%	34,500	34,500	34,500	3.97	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
68	Res - MF Rebates	Pipe Insulation - Steam - Med 2.1" to 5"	ft	92%	49,500	49,500	49,500	13.58	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
69	Res - MF Rebates	Pipe Insulation - Steam - Large 5.1" to 8"	ft	92%	26,625	26,625	26,625	30.21	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
70	Res - MF Rebates	Pipe Insulation - Steam - X-Large >8"	ft	92%	7,650	7,650	7,650	44.81	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
71	Res - MF Rebates	Pipe Insulation - Steam Med Fitting	each	92%	658	658	658	15.59	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
72	Res - MF Rebates	Pipe Insulation - Steam Large Fitting	each	92%	356	356	356	63.82	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
73	Res - MF Rebates	Pipe Insulation - Steam X-Large Fitting	each	92%	27	27	27	123.46	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
74	Res - MF Rebates	Pipe Insulation - Steam Med Valve	each	92%	29	29	29	46.61	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
75	Res - MF Rebates	Pipe Insulation - Steam Large Valve	each	92%	22	22	22	133.91	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
76	Res - MF Rebates	Pipe Insulation - Steam X-Large Valve	each	92%	10	10	10	218.02	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
77	Res - MF Rebates	Steam Boiler ≥82% AFUE, <300MBh	MBH	92%	2,400	2,400	2,400	0.42	IL TRM 6/1/2016	4.4.10	CI-HVC-BOIL-V05-150601	ΔTherms = EFLH * Capacity * ((Eff_actual - Eff_base)/Eff_base)) / 100,000
78	Res - MF Rebates	Steam Boiler ≥82% AFUE, >300MBh TE	MBH	92%	27,000	27,000	27,000	0.64	IL TRM 6/1/2016	4.4.10	CI-HVC-BOIL-V05-150601	ΔTherms = EFLH * Capacity * ((Eff_actual - Eff_base)/Eff_base)) / 100,000
79	Res - MF Rebates	Steam Boiler Averaging Controls	each	92%	235	235	235	61.09	FES/IL TRM	4.4.36	CI-HVC-SBAC-V01-160601	ΔTherms = Gas_Heating_Consumption * Heating_Reduction * HF *Steam_Factor / Boiler_Eff
80	Res - MF Rebates	Steam Traps - Dry Cleaner/Industrial	each	92%	87	87	87	255	IL TRM 6/1/2016	4.4.16	CI-HVC-STRE-V04-160601	ΔTherm = Sa * (Hv/B) * Hours * A * L / 100,000
81	Res - MF Rebates	Steam Traps - HVAC Repair/Rep - Audit	each	92%	52	52	52	204	IL TRM 6/1/2016	4.4.16	CI-HVC-STRE-V04-160601	ΔTherm = Sa * (Hv/B) * Hours * A * L / 100,000
82	Res - MF Rebates	Steam Traps - HVAC Repair/Rep - No Audit	each	92%	85	85	85	55	IL TRM 6/1/2016	4.4.16	CI-HVC-STRE-V04-160601	ΔTherm = Sa * (Hv/B) * Hours * A * L / 100,000
83	Res - MF Rebates	Steam Traps - Test	each	92%	62	62	62	-	Custom	Custom	Custom	Custom
84	Res - MF Rebates	Thermostat - Programmable	each	92%	-	-	-	126.07	IL TRM 6/1/2016	4.4.18	CI-HVC-PROG-V02-150601	See 'Thermostat Detail' Tab
85	Res - MF Rebates	Water Heater 88% TE - Central Plant	unit	92%	12	12	12	46.21	IL TRM 6/1/2016	4.3.7	CI-HW_-MDHW-V02-160601	ΔTherms = [(MFHH * GPD * Days/yr * γWater * (Tout – Tin) * (1/Eff_base – 1/Eff_ee)) / 100,000] + [(SL * Hours/yr * (1/Eff_base – 1/Eff_ee)) / 100,000]
86	Res - MF Rebates	Water Heater 88% TE - Central Plant (Lodging)	MBH	92%	-	-	-	0.53	IL TRM 6/1/2016	4.3.1	CI-HW_-STWH-V02-160601	ΔTherms=((T_out-T_in) * HotWaterUse_Gallon*γWater*1*(1/EF_gasbase - 1/EF_Eff))/100,000/Size
87	Res - MF Rebates	Air Sealing	CFM_50	92%	43,486	43,486	43,486	0.08	IL TRM 6/1/2016	5.6.1	RS-SHL-AIRS-V05-160601	ΔTherms = (((CFM50_existing - CFM50_new)/N_heat) * 60 * 24 * HDD * 0.018) / (ηHeat * 100,000)
88	Res - MF Rebates	Duct Sealing	CFM_25	92%	6,000	6,000	6,000	0.71	IL TRM 6/1/2016	5.3.4	RS-HVC-DINS-V06-160601	ΔTherm = (((ΔCFM25DL / (InputCapacityHeat * 0.0123)) * FLHheat *InputCapacityHeat) / 100,000 / ηHeat*TRF
89	Res - MF Rebates	Multifamily Custom	therm	78%	134,200	134,200	134,200	1.0	Custom	Custom	Custom	Custom
90	Bus - CI Assessments	Aerator - Bathroom	each	79%	70	70	70	6.10	IL TRM 6/1/2016	4.3.2	CI-HWE-LFFA-V06-160601	ΔTherms = %FossilDHW * ((GPM_base - GPM_low)/GPM_base) * Usage * EPG_gas * ISR
91	Bus - CI Assessments	Aerator - Kitchen	each	79%	16	16	16	7.44	IL TRM 6/1/2016	4.3.2	CI-HWE-LFFA-V06-160601	ΔTherms = %FossilDHW * ((GPM_base - GPM_low)/GPM_base) * Usage * EPG_gas * ISR
92	Bus - CI Assessments	Showerhead	each	79%	2	2	2	21.63	IL TRM 6/1/2016	5.4.5	RS-HWE-LFSH-V04-160601	ΔTherms = ((GPM_base * L_base - GPM_low * L_low) * NSPD* 365.25)*EPG_gas*ISR
93	Bus - CI Assessments	Pre Rinse Sprayer	each	79%	-	-	-	344	IL TRM 6/1/2016	4.2.11	CI-FSE-SPRY-V03-160601	ΔTherms = (FLObase - FLOeff)gal/min x 60 min/hr x HOURSday x DAYSyear x 8.33 x 1 x (Tout - Tin) x (1/EFF) /100,000
94	Bus - CI Assessments	Laminar	each	79%	800	800	800	17.89	Custom	Custom	Custom	Custom
95	Bus - SB Assessments	Aerator - Bathroom	each	93%	1,278	1,278	1,278	6.10	IL TRM 6/1/2016	4.3.2	CI-HWE-LFFA-V06-160601	ΔTherms = %FossilDHW * ((GPM_base - GPM_low)/GPM_base) * Usage * EPG_gas * ISR
96	Bus - SB Assessments	Aerator - Kitchen	each	93%	980	980	980	7.44	IL TRM 6/1/2016	4.3.2	CI-HWE-LFFA-V06-160601	ΔTherms = %FossilDHW * ((GPM_base - GPM_low)/GPM_base) * Usage * EPG_gas * ISR
97	Bus - SB Assessments	Showerhead	each	93%	1,138	1,138	1,138	21.63	IL TRM 6/1/2016	5.4.5	RS-HWE-LFSH-V04-160601	ΔTherms = ((GPM_base * L_base - GPM_low * L_low) * NSPD* 365.25)*EPG_gas*ISR
98	Bus - SB Assessments	Pipe Insulation - DHW	each	93%	6,090	6,090	6,090	5.25	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
99	Bus - SB Assessments	Pre Rinse Sprayer	each	93%	210	210	210	172	IL TRM 6/1/2016	4.2.11	CI-FSE-SPRY-V03-160601	ΔTherms = (FLObase - FLOeff)gal/min x 60 min/hr x HOURSday x DAYSyear x 8.33 x 1 x (Tout - Tin) x (1/EFF) /100,000
100	Bus - CI Assessments	Gas Optimization	therm	102%	997,200	997,200	997,200	1.0	Custom	Custom	Custom	Custom
101	Bus - CI Assessments	Retrocommissioning	therm	102%	413,000	413,000	413,000	1.0	Custom	Custom	Custom	Custom
102	Bus - CI Assessments	Engineering Study	each	102%	-	-	-	-	Custom	Custom	Custom	Custom
103	Bus - CI Rebates	Staffing	each	102%	-	-	-	-	Custom	Custom	Custom	Custom
104	Bus - SB Rebates	Boiler ≥88% AFUE, <300MBh	MBH	93%	-	-	-	1.17	IL TRM 6/1/2016	4.4.10	CI-HVC-BOIL-V05-150601	ΔTherms = EFLH * Capacity * ((Eff_actual - Eff_base)/Eff_base)) / 100,000
105	Bus - SB Rebates	Boiler ≥88% AFUE, ≥300MBh TE	MBH	93%	2,800	2,800	2,800	1.60	IL TRM 6/1/2016	4.4.10	CI-HVC-BOIL-V05-150601	ΔTherms = EFLH * Capacity * ((Eff_actual - Eff_base)/Eff_base)) / 100,000
106	Bus - SB Rebates	Boiler Reset Controls	each	93%	14	14	14	255.28	IL TRM 6/1/2016	4.4.4	CI-HVC-BLRC-V03-150601	ΔTherms = Boiler_Input_Capacity * Savings_Factor * EFLH / 100
107	Bus - SB Rebates	Boiler Tune Up - Process	MBH	93%	2,000	2,000	2,000	0.84	IL TRM 6/1/2016	4.4.3	CI-HVC-PBTU-V05-160601	Δtherms=((Ngi * 8766*UF)/100) * (1- (Effpre/Effmeasured))
108	Bus - SB Rebates	Boiler Tune Up - Space Heating	MBH	93%	20,000	20,000	20,000	0.37	IL TRM 6/1/2016	4.4.2	CI-HVC-BLRT-V06-160601	Δtherms=(Capacity * EFLH * (((Effbefore + Ei) / Effbefore) - 1)) / 100,000
109	Bus - SB Rebates	Condensing Unit Heater	MBH	93%	-	-	-	1.77	IL TRM 6/1/2016	4.4.5	CI-HVC-CUHT-V01-120601	Deemed Savings assumed average size of 150 MBH
110	Bus - SB Rebates	DCV - Kitchen	each	93%	-	-	-	8,523	IL TRM 6/1/2016	4.2.16	CI-FSE-VENT-V02-140601	ΔTherms = CFM * HP* Annual Heating Load /(Eff(heat) * 100,000)
111	Bus - SB Rebates	Direct Fired Heaters	MBH	93%	-	-	-	2.31	Custom	Custom	Custom	ΔTherms = EFLH * Capacity * ((Eff(eff) – Eff(base)/Eff(base))/ 100,000
112	Bus - SB Rebates	High Speed Washer - Hotel/Motel/Hospital	lb-capacity	93%	3,000	3,000	3,000	12.42	Custom	Custom	Custom	Custom
113	Bus - SB Rebates	High Speed Washer - Laundromat	lb-capacity	93%	3,000	3,000	3,000	5.59	Custom	Custom	Custom	Custom
114	Bus - SB Rebates	Infrared Heater	MBH	93%	-	-	-	3.01	IL TRM 6/1/2016	4.4.12	CI-HVC-IRHT-V01-120601	ΔTherms = 451 / (Estimate Size)
115	Bus - SB Rebates	Modulating Commercial Gas Clothes Dryer	each	93%	5	5	5	300.00	IL TRM 6/1/2016	4.8.4	CI-MSC-MODD-V01-160601	Deemed Savings
116	Bus - SB Rebates	Ozone Laundry	lb-capacity	93%	-	-	-	30.72	IL TRM 6/1/2016	4.3.6	CI-HW-OZLD-VO1-140601	ΔTherm = ThermBase * %hot_water_savings, ThermBase = WHE * WUtiliz * WUsage_hot/lb-capacity
117	Bus - SB Rebates	Pipe Insulation - Dry Cleaners	ft	93%	750	750	750	4.15	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
118	Bus - SB Rebates	Pipe Insulation - Dry Cleaners -Elbows	ft	93%	-	-	-	1.99	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
119	Bus - SB Rebates	Pipe Insulation - HW Small 1" to 2"	ft	93%	-	-	-	2.66	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
120	Bus - SB Rebates	Pipe Insulation - HW Medium 2.1" to 4"	ft	93%	-	-	-	5.25	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
121	Bus - SB Rebates	Pipe Insulation - HW Large >4"	ft	93%	-	-	-	9.04	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
122	Bus - SB Rebates	Pipe Insulation - Steam - Small 1" to 2"	ft	93%	1,875	1,875	1,875	3.19	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
123	Bus - SB Rebates	Pipe Insulation - Steam - Med 2.1" to 5"	ft	93%	1,125	1,125	1,125	13.15	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
124	Bus - SB Rebates	Pipe Insulation - Steam - Large 5.1" to 8"	ft	93%	600	600	600	24.26	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
125	Bus - SB Rebates	Pipe Insulation - Steam - X-Large >8"	ft	93%	150	150	150	35.98	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
126	Bus - SB Rebates	Pipe Insulation - Steam Med Fitting	each	93%	85	85	85	12.52	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
127	Bus - SB Rebates	Pipe Insulation - Steam Large Fitting	each	93%	40	40	40	51.25	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
128	Bus - SB Rebates	Pipe Insulation - Steam X-Large Fitting	each	93%	5	5	5	99.14	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
129	Bus - SB Rebates	Pipe Insulation - Steam Med Valve	each	93%	15	15	15	37.42	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
130	Bus - SB Rebates	Pipe Insulation - Steam Large Valve	each	93%	5	5	5	107.53	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
131	Bus - SB Rebates	Pipe Insulation - Steam X-Large Valve	each	93%	5	5	5	175.06	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
132	Bus - SB Rebates	Pre Rinse Sprayer	each	93%	25	25	25	111	IL TRM 6/1/2016	4.2.11	CI-FSE-SPRY-V03-160601	ΔTherms = (FLObase - FLOeff)gal/min x 60 min/hr x HOURSday x DAYSyear x 8.33 x 1 x (Tout - Tin) x (1/EFF) /100,000
133	Bus - SB Rebates	Steam Boiler ≥82% AFUE, <300MBh	MBH	93%	-	-	-	0.40	IL TRM 6/1/2016	4.4.10	CI-HVC-BOIL-V05-150601	ΔTherms = EFLH * Capacity * ((Eff_actual - Eff_base)/Eff_base)) / 100,000
134	Bus - SB Rebates	Steam Boiler ≥82% AFUE, >300MBh TE	MBH	93%	51,750	51,750	51,750	0.61	IL TRM 6/1/2016	4.4.10	CI-HVC-BOIL-V05-150601	ΔTherms = EFLH * Capacity * ((Eff_actual - Eff_base)/Eff_base)) / 100,000
135	Bus - SB Rebates	Steam Traps - Dry Cleaner/Industrial	each	93%	300	300	300	255	IL TRM 6/1/2016	4.4.16	CI-HVC-STRE-V04-160601	ΔTherm = Sa * (Hv/B) * Hours * A * L / 100,000
136	Bus - SB Rebates	Steam Traps - HVAC Repair/Rep - Audit	each	93%	600	600	600	164	IL TRM 6/1/2016	4.4.16	CI-HVC-STRE-V04-160601	ΔTherm = Sa * (Hv/B) * Hours * A * L / 100,000
137	Bus - SB Rebates	Steam Traps - HVAC Repair/Rep - No Audit	each	93%	50	50	50	44	IL TRM 6/1/2016	4.4.16	CI-HVC-STRE-V04-160601	ΔTherm = Sa * (Hv/B) * Hours * A * L / 100,000

	A	B	C	D	E	F	G	H	I	J	K	L
3	**Program**	**Measure**	**Units**	**Gas NTGR**	**PY7**	**PY8**	**PY9**	**Therms Saved per Unit**	**Algorithm Source**	**TRM Section**	**TRM Measure Code**	**Savings Algorithm**
138	Bus - SB Rebates	Steam Traps - Test	each	93%	500	500	500	-	Custom	Custom	Custom	Custom
139	Bus - SB Rebates	Thermostat - Programmable	each	93%	100	100	100	126.07	IL TRM 6/1/2016	4.4.18	CI-HVC-PROG-V02-150601	See 'Thermostat Detail' Tab
140	Bus - SB Rebates	Water Heater - Storage 88% TE ≥75MBh	each	93%	-	-	-	143.57	IL TRM 6/1/2016	4.3.1	CI-HW_-STWH-V02-160601	ΔTherms = ((T_out - T_in) * HotWaterUse_Gal * γWater * 1 * (1/EF_gasbase - 1/EF_Eff))/100000 + ((SL_gasbase - SL_eff) * 8766)/100000
141	Bus - SB Rebates	Water Heater 88% TE - Central Plant (Lodging)	MBH	93%	-	-	-	0.53	IL TRM 6/1/2016	4.3.1	CI-HW_-STWH-V02-160601	ΔTherms=((T_out-T_in) * HotWaterUse_Gallon*γWater*1*(1/EF_gasbase - 1/EF_Eff))/100,000/Size
142	Bus - SB Rebates	Water Heater 88% TE - Laundromat	MBH	93%	1,125	1,125	1,125	1.06	Custom	Custom	Custom	See 'Laundromat Boiler' tab
143	Bus - SB Rebates	Water Heater 95% TE - Laundromat	MBH	93%	-	-	-	1.84	Custom	Custom	Custom	See 'Laundromat Boiler' tab
144	Bus - SB Rebates	Double Rack Oven	each	93%	4	6	10	2,064	IL TRM 6/1/2016	4.2.18	CI-FSE-RKOV-V01-120601	Deemed Savings
145	Bus - SB Rebates	Energy Star Convection Oven	each	93%	60	80	110	306	IL TRM 6/1/2016	4.2.5	CI-FSE-ESCV-V01-120601	Deemed Savings
146	Bus - SB Rebates	Energy Star Conveyer Oven	each	93%	50	70	100	733	IL TRM 6/1/2016	4.2.4	CI-FSE-CVOV-V01-120601	Deemed Savings
147	Bus - SB Rebates	Energy Star Fryer	each	93%	60	80	110	505	IL TRM 6/1/2016	4.2.7	CI-FSE-ESFR-V01-120601	Deemed Savings
148	Bus - SB Rebates	Energy Star Steamer - 3 Pans	each	93%	-	-	-	752.01	IL TRM 6/1/2016	4.2.3	CI-FSE-STMC-V04-160601	ΔSavings = (ΔIdle Energy + ΔPreheat Energy + ΔCooking Energy) / 100,000 * 365.25
149	Bus - SB Rebates	Energy Star Steamer - 4 Pans	each	93%	30	40	60	1,007.26	IL TRM 6/1/2016	4.2.3	CI-FSE-STMC-V04-160601	ΔIdle Energy = ((((1- CSM%Baseline)* IDLEBASE + CSM%Baseline * PCBASE * EFOOD / EFFBASE)*(HOURSday - (F / PCBase) - (PREnumber *0.25))) - (((1- CSM%ENERGYSTAR) * IDLEENERGYSTAR + CSM%ENERGYSTAR * PCENERGY * EFOOD / EFFENERGYSTAR) * (HOURSDay - (F I/ PCENERGY) - (PREnumber * 0.25))))
150	Bus - SB Rebates	Energy Star Steamer - 5 Pans	each	93%	-	-	-	1,248.67	IL TRM 6/1/2016	4.2.3	CI-FSE-STMC-V04-160601	ΔPreheat Energy = (PREnumber * Δ Preheat)
151	Bus - SB Rebates	Energy Star Steamer - 6 Pans	each	93%	-	-	-	1,503.88	IL TRM 6/1/2016	4.2.3	CI-FSE-STMC-V04-160601	ΔCooking Energy = ((1/ EFFBASE) - (1/ EFFENERGY STAR®)) * F * EFOOD
152	Bus - SB Rebates	Heat Recovery Grease Trap Filter	each	93%	50	70	100	1,380	IL TRM 6/1/2016	4.3.9	CI-HW_-GRTF-V01-160601	ΔTherms = [(Meals_per_Day * HW_per_Meal* Days _per_Year) * 8.3 * (ΔT_per_filter * Qty_Filter)]/(η_HeaterGas * 100000)
153	Bus - SB Rebates	Infrared Charbroiler	each	93%	60	80	110	661	IL TRM 6/1/2016	4.2.12	CI-FSE-IRCB-V01-120601	Deemed Savings
154	Bus - SB Rebates	Infrared Rotisserie Oven	each	93%	65	90	130	554	IL TRM 6/1/2016	4.2.13	CI-FSE-IROV-V01-120601	Deemed Savings
155	Bus - SB Rebates	Infrared Salamander Broiler	each	93%	100	140	200	239	IL TRM 6/1/2016	4.2.14	CI-FSE-IRBL-V01-120601	Deemed Savings
156	Bus - SB Rebates	Infrared Upright Broiler	each	93%	-	-	-	1,089	IL TRM 6/1/2016	4.2.15	CI-FSE-IRUB-V01-120601	Deemed Savings
157	Bus - CI Rebates	Boiler ≥88% AFUE, <300MBh	MBH	79%	-	-	-	1.13	IL TRM 6/1/2016	4.4.10	CI-HVC-BOIL-V05-150601	ΔTherms = EFLH * Capacity * ((Eff_actual - Eff_base)/Eff_base)) / 100,000
158	Bus - CI Rebates	Boiler ≥88% AFUE, ≥300MBh TE	MBH	79%	2,000	2,000	2,000	1.54	IL TRM 6/1/2016	4.4.10	CI-HVC-BOIL-V05-150601	ΔTherms = EFLH * Capacity * ((Eff_actual - Eff_base)/Eff_base)) / 100,000
159	Bus - CI Rebates	Boiler Reset Controls	each	79%	10	10	10	246.24	IL TRM 6/1/2016	4.4.4	CI-HVC-BLRC-V03-150601	ΔTherms = Boiler_Input_Capacity * Savings_Factor * EFLH / 100
160	Bus - CI Rebates	Boiler Tune Up - Process	MBH	79%	50,000	50,000	50,000	0.84	IL TRM 6/1/2016	4.4.3	CI-HVC-PBTU-V05-160601	Δtherms=((Ngi * 8766*UF)/100) * (1- (Effpre/Effmeasured))
161	Bus - CI Rebates	Boiler Tune Up - Space Heating	MBH	79%	-	-	-	0.36	IL TRM 6/1/2016	4.4.2	CI-HVC-BLRT-V06-160601	Δtherms=(Capacity * EFLH * (((Effbefore + Ei) / Effbefore) - 1)) / 100,000
162	Bus - CI Rebates	Condensing Unit Heater	MBH	79%	-	-	-	1.77	IL TRM 6/1/2016	4.4.5	CI-HVC-CUHT-V01-120601	Deemed Savings assumed average size of 150 MBH
163	Bus - CI Rebates	DCV - Kitchen	each	79%	5	5	5	8,523	IL TRM 6/1/2016	4.2.16	CI-FSE-VENT-V02-140601	ΔTherms = CFM * HP* Annual Heating Load /(Eff(heat) * 100,000)
164	Bus - CI Rebates	Direct Fired Heaters	MBH	79%	-	-	-	2.31	Custom	Custom	Custom	ΔTherms = EFLH * Capacity * ((Eff(eff) – Eff(base)/Eff(base))/ 100,000
165	Bus - CI Rebates	High Speed Washer - Hotel/Motel/Hospital	lb-capacity	79%	1,000	1,000	1,000	12.42	Custom	Custom	Custom	Custom
166	Bus - CI Rebates	Infrared Heater	MBH	79%	-	-	-	3.01	IL TRM 6/1/2016	4.4.12	CI-HVC-IRHT-V01-120601	ΔTherms = 451 / (Estimate Size)
167	Bus - CI Rebates	Modulating Commercial Gas Clothes Dryer	each	79%	-	-	-	300.00	IL TRM 6/1/2016	4.8.4	CI-MSC-MODD-V01-160601	Deemed Savings
168	Bus - CI Rebates	Ozone Laundry	lb-capacity	79%	-	-	-	30.72	IL TRM 6/1/2016	4.3.6	CI-HW-OZLD-V01-140601	ΔTherm = ThermBase * %hot_water_savings, ThermBase = WHE * WUtiliz * WUsage_hot/lb-capacity
169	Bus - CI Rebates	Pipe Insulation - HW Small 1" to 2"	ft	79%	450	450	450	2.66	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
170	Bus - CI Rebates	Pipe Insulation - HW Medium 2.1" to 4"	ft	79%	900	900	900	5.25	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
171	Bus - CI Rebates	Pipe Insulation - HW Large >4"	ft	79%	1,050	1,050	1,050	9.04	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
172	Bus - CI Rebates	Pipe Insulation - Steam - Small 1" to 2"	ft	79%	-	-	-	3.19	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
173	Bus - CI Rebates	Pipe Insulation - Steam - Med 2.1" to 5"	ft	79%	-	-	-	13.15	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
174	Bus - CI Rebates	Pipe Insulation - Steam - Large 5.1" to 8"	ft	79%	600	600	600	24.26	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
175	Bus - CI Rebates	Pipe Insulation - Steam - X-Large >8"	ft	79%	-	-	-	35.98	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
176	Bus - CI Rebates	Pipe Insulation - Steam Med Fitting	each	79%	-	-	-	12.52	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
177	Bus - CI Rebates	Pipe Insulation - Steam Large Fitting	each	79%	20	20	20	51.25	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
178	Bus - CI Rebates	Pipe Insulation - Steam X-Large Fitting	each	79%	-	-	-	99.14	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
179	Bus - CI Rebates	Pipe Insulation - Steam Med Valve	each	79%	-	-	-	37.42	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
180	Bus - CI Rebates	Pipe Insulation - Steam Large Valve	each	79%	20	20	20	107.53	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
181	Bus - CI Rebates	Pipe Insulation - Steam X-Large Valve	each	79%	-	-	-	175.06	IL TRM 6/1/2016	4.4.14	CI-HVC-PINS-V04-160601	See 'Pipe Insulation Detail' Tab
182	Bus - CI Rebates	Pre Rinse Sprayer	each	79%	-	-	-	221	IL TRM 6/1/2016	4.2.11	CI-FSE-SPRY-V03-160601	ΔTherms = (FLObase - FLOeff)gal/min x 60 min/hr x HOURSday x DAYSyear x 8.33 x 1 x (Tout - Tin) x (1/EFF) /100,000
183	Bus - CI Rebates	Steam Boiler ≥82% AFUE, <300MBh	MBH	79%	-	-	-	0.38	IL TRM 6/1/2016	4.4.10	CI-HVC-BOIL-V05-150601	ΔTherms = EFLH * Capacity * ((Eff_actual - Eff_base)/Eff_base)) / 100,000
184	Bus - CI Rebates	Steam Boiler ≥82% AFUE, >300MBh TE	MBH	79%	2,500	2,500	2,500	0.58	IL TRM 6/1/2016	4.4.10	CI-HVC-BOIL-V05-150601	ΔTherms = EFLH * Capacity * ((Eff_actual - Eff_base)/Eff_base)) / 100,000
185	Bus - CI Rebates	Steam Traps - Dry Cleaner/Industrial	each	79%	175	175	175	255	IL TRM 6/1/2016	4.4.16	CI-HVC-STRE-V04-160601	ΔTherm = Sa * (Hv/B) * Hours * A * L / 100,000
186	Bus - CI Rebates	Steam Traps - HVAC Repair/Rep - Audit	each	79%	150	150	150	164	IL TRM 6/1/2016	4.4.16	CI-HVC-STRE-V04-160601	ΔTherm = Sa * (Hv/B) * Hours * A * L / 100,000
187	Bus - CI Rebates	Steam Traps - HVAC Repair/Rep - No Audit	each	79%	100	100	100	44	IL TRM 6/1/2016	4.4.16	CI-HVC-STRE-V04-160601	ΔTherm = Sa * (Hv/B) * Hours * A * L / 100,000
188	Bus - CI Rebates	Steam Traps - Test	each	79%	100	100	100	-	Custom	Custom	Custom	Custom
189	Bus - CI Rebates	Thermostat - Programmable	each	79%	15	15	15	126.07	IL TRM 6/1/2016	4.4.18	CI-HVC-PROG-V02-150601	See 'Thermostat Detail' Tab
190	Bus - CI Rebates	Water Heater - Storage 88% TE ≥75MBh	each	79%	-	-	-	143.57	IL TRM 6/1/2016	4.3.1	CI-HW_-STWH-V02-160601	ΔTherms = ((T_out - T_in) * HotWaterUse_Gal * γWater * 1 * (1/EF_gasbase - 1/EF_Eff))/100000 + ((SL_gasbase - SL_eff) * 8766)/100000
191	Bus - CI Rebates	Water Heater 88% TE - Central Plant (Lodging)	MBH	79%	-	-	-	0.53	IL TRM 6/1/2016	4.3.1	CI-HW_-STWH-V02-160601	ΔTherms=((T_out-T_in) * HotWaterUse_Gallon*γWater*1*(1/EF_gasbase - 1/EF_Eff))/100,000/Size
192	Bus - CI Rebates	Double Rack Oven	each	79%	-	-	-	2,064	IL TRM 6/1/2016	4.2.18	CI-FSE-RKOV-V01-120601	Deemed Savings
193	Bus - CI Rebates	Energy Star Convection Oven	each	79%	10	14	18	306	IL TRM 6/1/2016	4.2.5	CI-FSE-ESCV-V01-120601	Deemed Savings
194	Bus - CI Rebates	Energy Star Conveyer Oven	each	79%	-	-	-	733	IL TRM 6/1/2016	4.2.4	CI-FSE-CVOV-V01-120601	Deemed Savings
195	Bus - CI Rebates	Energy Star Fryer	each	79%	-	-	-	505	IL TRM 6/1/2016	4.2.7	CI-FSE-ESFR-V01-120601	Deemed Savings
196	Bus - CI Rebates	Energy Star Steamer - 3 Pans	each	79%	-	10	12	752.01	IL TRM 6/1/2016	4.2.3	CI-FSE-STMC-V04-160601	ΔSavings = (ΔIdle Energy + ΔPreheat Energy + ΔCooking Energy) / 100,000 * 365.25
197	Bus - CI Rebates	Energy Star Steamer - 4 Pans	each	79%	15	18	22	1,007.26	IL TRM 6/1/2016	4.2.3	CI-FSE-STMC-V04-160601	ΔIdle Energy = ((((1- CSM%Baseline)* IDLEBASE + CSM%Baseline * PCBASE * EFOOD / EFFBASE)*(HOURSday - (F / PCBase) - (PREnumber *0.25))) - (((1- CSM%ENERGYSTAR) * IDLEENERGYSTAR + CSM%ENERGYSTAR * PCENERGY * EFOOD / EFFENERGYSTAR) * (HOURSDay - (F I/ PCENERGY) - (PREnumber * 0.25))))
198	Bus - CI Rebates	Energy Star Steamer - 5 Pans	each	79%	-	-	-	1,248.67	IL TRM 6/1/2016	4.2.3	CI-FSE-STMC-V04-160601	ΔPreheat Energy = (PREnumber * Δ Preheat)
199	Bus - CI Rebates	Energy Star Steamer - 6 Pans	each	79%	-	-	-	1,503.88	IL TRM 6/1/2016	4.2.3	CI-FSE-STMC-V04-160601	ΔCooking Energy = ((1/ EFFBASE) - (1/ EFFENERGY STAR®)) * F * EFOOD
200	Bus - CI Rebates	Heat Recovery Grease Trap Filter	each	79%	4	5	6	1,380	IL TRM 6/1/2016	4.3.9	CI-HW_-GRTF-V01-160601	ΔTherms = [(Meals_per_Day * HW_per_Meal* Days _per_Year) * 8.3 * (ΔT_per_filter * Qty_Filter)]/(η_HeaterGas * 100000)
201	Bus - CI Rebates	Infrared Charbroiler	each	79%	2	3	4	661	IL TRM 6/1/2016	4.2.12	CI-FSE-IRCB-V01-120601	Deemed Savings
202	Bus - CI Rebates	Infrared Rotisserie Oven	each	79%	2	3	4	554	IL TRM 6/1/2016	4.2.13	CI-FSE-IROV-V01-120601	Deemed Savings
203	Bus - CI Rebates	Infrared Salamander Broiler	each	79%	-	-	-	239	IL TRM 6/1/2016	4.2.14	CI-FSE-IRBL-V01-120601	Deemed Savings
204	Bus - CI Rebates	Infrared Upright Broiler	each	79%	-	-	-	1,089	IL TRM 6/1/2016	4.2.15	CI-FSE-IRUB-V01-120601	Deemed Savings
205	Bus - SB Rebates	SB Custom	therm	93%	57,000	57,000	57,000	1.00	Custom	Custom	Custom	Custom
206	Bus - CI Rebates	CI Custom	therm	69%	1,962,000	1,962,000	1,962,000	1.00	Custom	Custom	Custom	Custom
207	Bus - CI Rebates	New Construction	therm	67%	38,000	38,000	38,000	1.00	Custom	Custom	Custom	Custom
208	Low Income - Outreach & Education	Behavior	each	100%	11,616	11,616	11,616	16.91	IL TRM 6/1/2016	6.1.1	CC-BEH-BEHP-V01-170601	Custom
209	Low Income - Outreach & Education	Energy Education	each	100%	528	528	528	10.00	Custom	Custom	Custom	Custom
210	Low Income - SF Retrofit	Retrofit	each	100%	135	135	135	398.1	Custom	Custom	Custom	Custom
211	Low Income - MF Retrofit	Bathroom Aerator	each	100%	159	159	159	1.25	IL TRM 6/1/2016	5.4.4	RS-HWE-LFFA-V05-160601	ΔTherms = ((GPM_base * L_base - GPM_low * L_low) * Household * 365.25 *DF / FPH) * EPG_gas * ISR
212	Low Income - MF Retrofit	Kitchen Aerator	each	100%	124	124	124	5.13	IL TRM 6/1/2016	5.4.4	RS-HWE-LFFA-V05-160601	ΔTherms = ((GPM_base * L_base - GPM_low * L_low) * Household * 365.25 *DF / FPH) * EPG_gas * ISR
213	Low Income - MF Retrofit	Showerhead	each	100%	124	124	124	17.90	IL TRM 6/1/2016	5.4.5	RS-HWE-LFSH-V04-160601	ΔTherms = ((GPM_base * L_base - GPM_low * L_low) * Household * SPCD * 365.25 / SPH) * EPG_gas * ISR
214	Low Income - MF Retrofit	Pipe Insulation (DHW)	ft	100%	510	510	510	0.99	IL TRM 6/1/2016	5.4.1	RS-HVC-PINS-V02-160601	ΔTherm = ((1/Rexist – 1/Rnew) * (L * C) * ΔT * 8,766) / ηDHW /100,000
215	Low Income - MF Retrofit	Water Heater Setback	each	100%	93	93	93	3.50	IL TRM 6/1/2016	5.4.6	RS-HWE-TMPS-V04-150601	ΔTherms = 6.4 therms* (Tpre – Tpost) / 15
216	Low Income - MF Retrofit	Air Sealing	each	100%	111	111	111	600	Custom	Custom	Custom	Custom
217	Low Income - MF Retrofit	Attic Insulation & Air Sealing	each	100%	111	111	111	1,400	Custom	Custom	Custom	Custom
218	Low Income - MF Retrofit	Wall Insulation	each	100%	28	28	28	1,500	Custom	Custom	Custom	Custom
219	Low Income - MF Retrofit	Pipe Insulation - DHW	each	100%	74	74	74	700	Custom	Custom	Custom	Custom
220	Low Income - MF Retrofit	Pipe Insulation - Heating	each	100%	93	93	93	1,100	Custom	Custom	Custom	Custom
221	Low Income - MF Retrofit	Boiler Tune-ups	each	100%	28	28	28	130	Custom	Custom	Custom	Custom
222	Low Income - MF Retrofit	Outdoor Resets/Cutouts	each	100%	11	11	11	1,000	Custom	Custom	Custom	Custom
223	Low Income - MF Retrofit	Steam Trap	each	100%	1,425	1,425	1,425	110	Custom	Custom	Custom	Custom
224	Low Income - MF Retrofit	Controls for Central DHW Pumps	each	100%	19	19	19	1,300	Custom	Custom	Custom	Custom
225	Low Income - MF Retrofit	Steam Boiler Averaging Controls	each	100%	30	30	30	1,200	Custom	Custom	Custom	Custom
226	Low Income - MF Retrofit	Boiler Replacement	each	100%	19	19	19	1,300	Custom	Custom	Custom	Custom
227	Low Income - MF Retrofit	DHW Replacement	each	100%	13	13	13	800	Custom	Custom	Custom	Custom
228	Low Income - MF Retrofit	HVAC Balancing/Optimizing	each	100%	30	30	30	680	Custom	Custom	Custom	Custom
229	Low Income - SF New Construction	Furnace >95% AFUE	each	100%	87	87	87	164.61	IL TRM 6/1/2016	5.3.7	RS-HVC-GHEF-V06-160601	ΔTherms = Gas_Furnace_Heating_Load *Housing Factor* (1/AFUEbase - 1/AFUEeff)
230	Low Income - SF New Construction	Water Heater - Storage 0.67 EF	each	100%	87	87	87	12.99	IL TRM 6/1/2016	5.4.2	RS-HWE-GWHT-V06-160601	ΔTherms = (1/ EFbase - 1/EFef) * (GPD * Household * 365.25 * γWater * (Tout – Tin) * 1.0)/100,000
231	Low Income - SF New Construction	Programmable Thermostat - Furnace	each	100%	87	87	87	34.9	IL TRM 6/1/2016	5.3.11	RS-HVC-PROG-V03-140601	ΔTherms = %FossilHeat * Gas_Heating_Consumption * Heating_Reduction * HF * Eff_ISR
232	Low Income - SF New Construction	Duct Sealing	CFM_25	100%	10,440	10,440	10,440	0.71	IL TRM 6/1/2016	5.3.4	RS-HVC-DINS-V06-160601	ΔTherm = (((ΔCFM25DL / (InputCapacityHeat * 0.0123)) * FLHheat *InputCapacityHeat) / 100,000 / ηHeat*TRF
233	Low Income - MF New Construction	New Construction	therm	100%	61,000	61,000	61,000	1.0	Custom	Custom	Custom	Custom

	B	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1	Measure	VAR1 Name	VAR1	VAR2 Name	VAR2	VAR3 Name	VAR3	VAR4 Name	VAR4	VAR5 Name	VAR5	VAR6 Name	VAR6	VAR7 Name	VAR7	VAR8 Name	VAR8	VAR9 Name	VAR9	VAR10 Name	VAR10	VAR11 Name	VAR11	VAR12 Name	VAR12	VAR13 Name	VAR13
2	Behavior																										
3	Energy Education																										
4	Bathroom Aerator	GPM_base	1.39	GPM_low	0.94	L_base/L_low	1.6	DF	90%	FPH	2.81	EPG_gas	0.00341	ISR	0.95	Household	2.56	RE_gas	78%								
5	Kitchen Aerator	GPM_base	1.39	GPM_low	0.94	L_base/L_low	4.5	DF	75%	FPH	1	EPG_gas	0.00415	ISR	0.95	Household	2.56	RE_gas	78%								
6	Showerhead	GPM_base	2.67	GPM_low	1.5	L_base/L_low	7.8	EPG_gas	0.00501	SPDC	0.6	SPH	1.79	ISR	0.98	Household	2.56	RE_gas	78%								
7	Pipe Insulation (DHW)	Rexist	1	Rnew	4	L	1	C	0.136	AT	60	∆DHW	0.78														
8	Pipe Insulation (Boiler)	Rexist	0.5	Rnew	3.5	FLH_heat	1840	Cexist	0.1635	Cnew_DI	0.43	L	1	ΔT	90	ηboiler	0.819										
9	Programmable Thermostat - Furnace	Heating_Consumption	1,005	Heat_Reduction	6.2%	HF_SF	100%	Eff_ISR	100%																		
10	Programmable Thermostat - Boiler	Heating_Consumption	1,218	Heat_Reduction	6.2%	HF_SF	100%	Eff_ISR	100%																		
11	Advanced Thermostat - Furnace (Replace Manual)	Heating_Consumption	1,005	Heat_Reduction	8.8%	HF_SF	100%	Eff_ISR	100%																		
12	Advanced Thermostat - Boiler (Replace Manual)	Heating_Consumption	1,218	Heat_Reduction	8.8%	HF_SF	100%	Eff_ISR	100%																		
13	Advanced Thermostat - Furnace (Replace Programmable)	Heating_Consumption	1,005	Heat_Reduction	5.6%	HF_SF	100%	Eff_ISR	100%																		
14	Advanced Thermostat - Boiler (Replace Programmable)	Heating_Consumption	1,218	Heat_Reduction	5.6%	HF_SF	100%	Eff_ISR	100%																		
15	Thermostat - Reprogram	Heating_Consumption	1,005	Heat_Reduction	6.2%	HF_SF	100%	Eff_ISR	100%																		
16	Bathroom Aerator	GPM_base	1.39	GPM_low	0.94	L_base/L_low	1.6	DF	90%	FPH	1.3	EPG_gas	0.00397	ISR	0.95	Household	2.1	RE_gas	67%								
17	Kitchen Aerator	GPM_base	1.39	GPM_low	0.94	L_base/L_low	4.5	DF	75%	FPH	1	EPG_gas	0.00484	ISR	0.95	Household	2.1	RE_gas	67%								
18	Showerhead	GPM_base	2.67	GPM_low	1.5	L_base/L_low	7.8	EPG_gas	0.00583	SPDC	0.6	SPH	1.3	ISR	0.95	Household	2.1	RE_gas	67%								
19	Pipe Insulation (DHW)	Rexist	1	Rnew	4	L	1	C	0.136	AT	60	∆DHW	0.78														
20	Pipe Insulation (Boiler)	Rexist	0.5	Rnew	3.5	FLH_heat	1840	Cexist	0.1635	Cnew_DI	0.43	L	1	ΔT	90	ηboiler	0.819										
21	Programmable Thermostat - Furnace	Heating_Consumption	1,005	Heat_Reduction	6.2%	HF_MF	65%	Eff_ISR	100%																		
22	Programmable Thermostat - Boiler	Heating_Consumption	1,218	Heat_Reduction	6.2%	HF_MF	65%	Eff_ISR	100%																		
23	Advanced Thermostat - Furnace (Replace Manual)	Heating_Consumption	1,005	Heat_Reduction	8.8%	HF_MF	65%	Eff_ISR	100%																		
24	Advanced Thermostat - Boiler (Replace Manual)	Heating_Consumption	1,218	Heat_Reduction	8.8%	HF_MF	65%	Eff_ISR	100%																		
25	Advanced Thermostat - Furnace (Replace Programmable)	Heating_Consumption	1,005	Heat_Reduction	5.6%	HF_MF	65%	Eff_ISR	100%																		
26	Advanced Thermostat - Boiler (Replace Programmable)	Heating_Consumption	1,218	Heat_Reduction	5.6%	HF_MF	65%	Eff_ISR	100%																		
27	Thermostat - Reprogram	Heating_Consumption	1,005	Heat_Reduction	6.2%	HF_MF	65%	Eff_ISR	100%																		
28	Gas Optimization																										
29	Boiler - DHW Two-in-One	FF_SF	1	Gas_Boiler_Load	1,218	Eff_act	88%	Eff_base_EUL	82.0%	Eff_base_ER	61.6%	EFBASE	61.4%	Efefficient	74.6%	GPD	17.6	Household	2.56	vWater	8.33	Tout	125	Tin	54	Tank Volume	40
30	Boiler ≥90% AFUE, <300MBh	FF_SF	1.00	Gas_Boiler_Load	1,218	Eff_act	90%	Eff_base_EUL	82.0%																		
31	Boiler ≥95% AFUE, <300MBh	FF_SF	1.00	Gas_Boiler_Load	1,218	Eff_act	95%	Eff_base_EUL	82.0%																		
32	Furnace >95% AFUE	GFHL_SF	834	HF_SF	100%	AFUE_base	80%	AFUE_eff	95%																		
33	Furnace >97% AFUE	GFHL_SF	834	HF_SF	100%	AFUE_base	80%	AFUE_eff	97%																		
34	Programmable Thermostat - Furnace	Heating_Consumption	1,005	Heat_Reduction	6.2%	HF_SF	100%	Eff_ISR	56%																		
35	Programmable Thermostat - Boiler	Heating_Consumption	1,218	Heat_Reduction	6.2%	HF_SF	100%	Eff_ISR	56%																		
36	Advanced Thermostat - Furnace (Replace Manual)	Heating_Consumption	1,005	Heat_Reduction	8.8%	HF_SF	100%	Eff_ISR	100%																		
37	Advanced Thermostat - Boiler (Replace Manual)	Heating_Consumption	1,218	Heat_Reduction	8.8%	HF_SF	100%	Eff_ISR	100%																		
38	Advanced Thermostat - Furnace (Replace Programmable)	Heating_Consumption	1,005	Heat_Reduction	5.6%	HF_SF	100%	Eff_ISR	100%																		
39	Advanced Thermostat - Boiler (Replace Programmable)	Heating_Consumption	1,218	Heat_Reduction	5.6%	HF_SF	100%	Eff_ISR	100%																		
40	Air Sealing	R_heat	23.9	HDD	5113	nHeat - Residential	72%																				
41	Attic Insulation	R_old	11	R_new	49	Framing_attic	7%	AOI_Attic_Wall	60%	HDD	5113	nHeat	72%														
42	Duct Sealing	ACFM25DL	1	CapacityHeat	76,000	FLHHeat_Res	1,840	nEquipment	83%	nSystem	70%	TRF	40%														
43	New Construction 20-25% over & 2015 Code																										
44	New Construction 25-30% over & 2015 Code																										
45	New Construction 30-40% over & 2015 Code																										
46	New Construction >40% over & 2015 Code																										
47	Boiler ≥88% AFUE, <300MBh	EFLH_MF	1685	Capacity	1,000	Eff_actual	88%	Eff_base	82%																		
48	Boiler ≥88% AFUE, ≥300MBh TE	EFLH_MF	1685	Capacity	1,000	Eff_actual	88%	Eff_base	80%																		
49	Boiler Reset Controls	EFLH_MF	1,685	Savings Factor	8.0%																						
50	Boiler Tune Up - Process	Ngi	1000	LF	41.90%	Effpre	82.21%	Effmeasured	84.13%																		
51	Boiler Tune Up - Space Heating	EFLH_MF	1685	Effbefore	82.21%	Ei = Effbefore	84.13%	Capacity	1000																		
52	Condensing Unit Heater																										
53	Direct Fired Heaters	Capacity	1000	Eff(eff)	92%	Eff(base)	80%	EFLH_MF	1595.5	EFLH_CI	1539																
54	Furnace >95% AFUE	EFLH_MF	1685	Capacity	76,000	AFUE_eff	95.5%	AFUE_base	80%																		
55	Furnace >95% AFUE (MF Unit)	GFHL_SF	834	HF_SF	65%	AFUE_base	80%	AFUE_eff	95%																		
56	High Speed Washer																										
57	Infrared Heater	Est Size	150																								
58	Ozone Laundry	WHE	0.009	Wutilizi	916,150	Wusage_hot	1.19	%_hotwater	81%	lb-capacity	254.38																
59	Pipe Insulation - Hyd. Boiler Sm <=1.25"																										
60	Pipe Insulation - Hyd. Boiler Med 1.25-2"																										
61	Pipe Insulation - Hyd. Boiler Large >=2"																										
62	Pipe Insulation - HW Small 1" to 2"																										
63	Pipe Insulation - HW Medium 2.1" to 4"																										
64	Pipe Insulation - HW Large >4"																										
65	Pipe Insulation - Steam - Small 1" to 2"																										
66	Pipe Insulation - Steam - Med 2.1" to 5"																										
67	Pipe Insulation - Steam - Large 5.1" to 8"																										
68	Pipe Insulation - Steam - X-Large >8"																										
69	Pipe Insulation - Steam Med Fitting																										
70	Pipe Insulation - Steam Large Fitting																										
71	Pipe Insulation - Steam X-Large Fitting																										
72	Pipe Insulation - Steam Med Valve																										
73	Pipe Insulation - Steam Large Valve																										
74	Pipe Insulation - Steam X-Large Valve																										
75	Steam Boiler ≥82% AFUE <300MBh	EFLH_MF	1685	Capacity	1000	Eff_actual	82.0%	Eff_base	80%																		
76	Steam Boiler ≥82% AFUE, >300MBh TE	EFLH_MF	1685	Capacity	1000	Eff_actual	82.0%	Eff_base	79%																		
77	Steam Boiler Averagine Controls	Heating_Consumption	1,218	Heat_Reduction	5%	Household Factor	65.0%	Boiler Efficiency	64.6%																		
78	Steam Traps - Dry Cleaner/Industrial	Sa	19.1	Hv	890	B	80.7%	Hours	2425	A	50%	L	100%														
79	Steam Traps - HVAC Repair/Rep - Audit	Sa	6.9	Hv	951	B	64.8%	Hours	4029	A	50%	L	100%														
80	Steam Traps - HVAC Repair/Rep - No Audit	Sa	6.9	Hv	951	B	64.8%	Hours	4029	A	50%	L	27%														
81	Steam Traps - Test																										
82	Thermostat - Programmable																										
83	Water Heater 88% TE - Central Plant	Tout	125	Tin	54	MFHH	2.1	vWater	8.33	Eff_base	0.8	Eff_ae	0.88	GPD	17.6	SL	3.729	kBtu	200,000								
84	Water Heater 88% TE - Central Plant (Lodging)	Tout	125	Tin	54	HotWaterUse Gal	34,650	vWater	8.33	Eff_base	0.5925	Eff_ae	0.67	MBH	75												
85	Air Sealing	R_heat	23.9	HDD	5113	nHeat - MF	68%																				
86	Duct Sealing	ACFM25DL	1	CapacityHeat	76,000	FLHHeat_Res	1,840	nEquipment	83%	nSystem	70%	TRF	40%														
87	Multifamily Custom																										
88	Aerator - Bathroom	GPM_base	1.39	GPM_low	0.94	L_base/L_low	1	DF_BA	100%	FPH	20	Days/Year	250	EPG_gas	0.00397	ISR	95%										
89	Aerator - Kitchen	GPM_base	1.39	GPM_low	0.94	L_base/L_low	1	DF_KA	100%	FPH	20	Days/Year	250	EPG_gas	0.00484	ISR	95%										
90	Showerhead	GPM_base	2.67	GPM_low	1.5	L_base/L_low	8.2	SPD	1	EPG_gas	0.0066	ISR	98%														
91	Pre Rinse Sprayer	FLO_base	1.9	FLO_eff	1.06	HOURSday	3.0	DAYSyear	312	Tout	121.4	Tin	51.4	EFF	80%												
92	Laminar																										
93	Aerator - Bathroom	GPM_base	1.39	GPM_low	0.94	L_base/L_low	1	DF_BA	100%	FPH	20	Days/Year	250	EPG_gas	0.00397	ISR	95%										
94	Aerator - Kitchen	GPM_base	1.39	GPM_low	0.94	L_base/L_low	1	DF_KA	100%	FPH	20	Days/Year	250	EPG_gas	0.00484	ISR	95%										
95	Showerhead	GPM_base	2.67	GPM_low	1.5	L_base/L_low	8.2	SPD	1	EPG_gas	0.0066	ISR	98%														
96	Pipe Insulation - DHW																										
97	Pre Rinse Sprayer	FLO_base	1.9	FLO_eff	1.06	HOURSday	1.5	DAYSyear	312	Tout	121.4	Tin	51.4	EFF	80%												
98	Gas Optimization																										
99	Retrocommissioning																										
100	Engineering Study																										
101	Staffing																										
102	Boiler ≥88% AFUE, <300MBh	GFHL_SBES	1595.5	Capacity	1,000	Eff_actual	88%	Eff_base	82%																		
103	Boiler ≥88% AFUE, ≥300MBh TE	GFHL_SBES	1595.5	Capacity	1,000	Eff_actual	88%	Eff_base	80%																		
104	Boiler Reset Controls	GFHL_SBES	1,596	Savings Factor	8.0%																						
105	Boiler Tune Up - Process	Ngi	1000	LF	41.90%	Effpre	82.21%	Effmeasured	84.13%																		
106	Boiler Tune Up - Space Heating	GFHL_SBES	1595.5	Effbefore	82.21%	Ei = Effbefore	84.13%	Capacity	1000																		
107	Condensing Unit Heater																										
108	DCV - Kitchen	CFM	611	HP	7.75	Annual Heat Load	144,000	Eff(heat)	80%																		
109	Direct Fired Heaters	Capacity	1000	Eff(eff)	92%	Eff(base)	80%	EFLH_MF	1595.5	EFLH_CI	1539																
110	High Speed Washer - Hotel/Motel/Hospital																										
111	High Speed Washer - Laundromat																										
112	Infrared Heater	Est Size	150																								
113	Modulating Commercial Gas Clothes Dryer																										
114	Ozone Laundry	WHE	0.009	Wutilizi	916,150	Wusage_hot	1.19	%_hotwater	81%	lb-capacity	254.38																
115	Pipe Insulation - Dry Cleaners																										
116	Pipe Insulation - Dry Cleaners -Elbows																										
117	Pipe Insulation - HW Small 1" to 2"																										
118	Pipe Insulation - HW Medium 2.1" to 4"																										
119	Pipe Insulation - HW Large >4"																										
120	Pipe Insulation - Steam - Small 1" to 2"																										
121	Pipe Insulation - Steam - Med 2.1" to 5"																										
122	Pipe Insulation - Steam - Large 5.1" to 8"																										
123	Pipe Insulation - Steam - X-Large >8"																										
124	Pipe Insulation - Steam Med Fitting																										
125	Pipe Insulation - Steam Large Fitting																										
126	Pipe Insulation - Steam X-Large Fitting																										
127	Pipe Insulation - Steam Med Valve																										
128	Pipe Insulation - Steam Large Valve																										
129	Pipe Insulation - Steam X-Large Valve																										
130	Pre Rinse Sprayer	FLO_base	1.6	FLO_eff	1.06	HOURSday	1.5	DAYSyear	312	Tout	121.4	Tin	51.4	EFF	80%												
131	Steam Boiler ≥82% AFUE <300MBh	GFHL_SBES	1595.5	Capacity	1000	Eff_actual	82.0%	Eff_base	80%																		
132	Steam Boiler ≥82% AFUE, >300MBh TE	GFHL_SBES	1595.5	Capacity	1000	Eff_actual	82.0%	Eff_base	79%																		
133	Steam Traps - Dry Cleaner/Industrial	Sa	19.1	Hv	890	B	80.7%	Hours	2425	A	50%	L	100%														
134	Steam Traps - HVAC Repair/Rep - Audit	Sa	6.9	Hv	951	B	80.7%	Hours	4029	A	50%	L	100%														
135	Steam Traps - HVAC Repair/Rep - No Audit	Sa	6.9	Hv	951	B	80.7%	Hours	4029	A	50%	L	72%														

	B	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
3	Measure	VAR1 Name	VAR1	VAR2 Name	VAR2	VAR3 Name	VAR3	VAR4 Name	VAR4	VAR5 Name	VAR5	VAR6 Name	VAR6	VAR7 Name	VAR7	VAR8 Name	VAR8	VAR9 Name	VAR9	VAR10 Name	VAR10	VAR11 Name	VAR11	VAR12 Name	VAR12	VAR13 Name	VAR13
138	Steam Traps - Test																										
139	Thermostat - Programmable																										
140	Water Heater - Storage 88% TE ≥75MBh	Tout	125	Tin	54	HotWaterUse	139,500	yWater	8.33	Eff_base	80%	Eff_ee	0.88	SL_gasbase	1,597	SL_eff	1029										
141	Water Heater 88% TE - Central Plant (Lodging)	Tout	125	Tin	54	HotWaterUse	34,650	yWater	8.33	Eff_base	0.5925	Eff_ee	0.67	MBH	75												
142	Water Heater 88% TE - Laundromat																										
143	Water Heater 95% TE - Laundromat																										
144	Double Rack Oven																										
145	Energy Star Convection Oven																										
146	Energy Star Conveyer Oven																										
147	Energy Star Fryer																										
148	Energy Star Steamer - 3 Pans	CSM_%base	90%	IDLE_base	11,000	PC_base	65	E_food	105	EFF_base	15%	HOURS_day	6	F	100	CSM_%estar	0%	IDLE_estar	6250	PC_estar	55	EFF_estar	38%	PRE_number	1	PRE_heat	11,000
149	Energy Star Steamer - 4 Pans	CSM_%base	90%	IDLE_base	14,667	PC_base	87	E_food	105	EFF_base	15%	HOURS_day	6	F	100	CSM_%estar	0%	IDLE_estar	8333	PC_estar	73	EFF_estar	38%	PRE_number	1	PRE_heat	11,000
150	Energy Star Steamer - 5 Pans	CSM_%base	90%	IDLE_base	18,333	PC_base	108	E_food	105	EFF_base	15%	HOURS_day	6	F	100	CSM_%estar	0%	IDLE_estar	10417	PC_estar	92	EFF_estar	38%	PRE_number	1	PRE_heat	11,000
151	Energy Star Steamer - 6 Pans	CSM_%base	90%	IDLE_base	22,000	PC_base	130	E_food	105	EFF_base	15%	HOURS_day	6	F	100	CSM_%estar	0%	IDLE_estar	12500	PC_estar	110	EFF_estar	38%	PRE_number	1	PRE_heat	11,000
152	Heat Recovery Grease Trap Filter	Meals_per_Day	700	HW_per_Meal	3	Days_per_Year	312	ΔT_per_filter	5.8	Qty_filter	3.5	η_HeaterGas	0.8														
153	Infrared Charbroiler																										
154	Infrared Rotisserie Oven																										
155	Infrared Salamander Broiler																										
156	Infrared Upright Broiler																										
157	Boiler ≥88% AFUE, <300MBh	EFLH_CI	1539	Capacity	1,000	Eff_actual	88%	Eff_base	82%																		
158	Boiler ≥88% AFUE, ≥300MBh TE	EFLH_CI	1539	Capacity	1,000	Eff_actual	88%	Eff_base	80%																		
159	Boiler Reset Controls	EFLH_CI	1,539	Savings Factor	8.0%																						
160	Boiler Tune Up - Process	Ngi	1000	UF	41.90%	Effpre	82.21%	Effmeasured	84.13%																		
161	Boiler Tune Up - Space Heating	EFLH_CI	1539	Effbefore	82.21%	Ei + Effbefore	84.13%	Capacity	1000																		
162	Condensing Unit Heater																										
163	DCV - Kitchen	CFM	611	HP	7.75	Annual Heat Load	144,000	Eff(heat)	80%																		
164	Direct Fired Heaters	Capacity	1000	Eff(eff)	92%	Eff(base)	80%	EFLH_MF	1595.5	EFLH_CI	1539																
165	High Speed Washer - Hotel/Motel/Hospital																										
166	Infrared Heater	Est Size	150																								
167	Modulating Commercial Gas Clothes Dryer																										
168	Ozone Laundry	WHE	0.009	Wutiliz	916,150	Wusage_hot	1.19	%_hotwater	81%	lb-capacity	254.38																
169	Pipe Insulation - HW Small 1" to 2"																										
170	Pipe Insulation - HW Medium 2.1" to 4"																										
171	Pipe Insulation - HW Large >4"																										
172	Pipe Insulation - Steam - Small 1" to 2"																										
173	Pipe Insulation - Steam - Med 2.1" to 5"																										
174	Pipe Insulation - Steam - Large 5.1" to 8"																										
175	Pipe Insulation - Steam - X-Large >8"																										
176	Pipe Insulation - Steam Med Fitting																										
177	Pipe Insulation - Steam Large Fitting																										
178	Pipe Insulation - Steam X-Large Fitting																										
179	Pipe Insulation - Steam Med Valve																										
180	Pipe Insulation - Steam Large Valve																										
181	Pipe Insulation - Steam X-Large Valve																										
182	Pre Rinse Sprayer	FLO_base	1.6	FLO_eff	1.06	HOURSday	3.0	DAYSyear	312	Tout	121.4	Tin	51.4	EFF	80%												
183	Steam Boiler ≥82% AFUE, <300MBh	EFLH_CI	1539	Capacity	1000	Eff_actual	82.0%	Eff_base	80%																		
184	Steam Boiler ≥82% AFUE, >300MBh TE	EFLH_CI	1539	Capacity	1000	Eff_actual	82.0%	Eff_base	79%																		
185	Steam Traps - Dry Cleaner/Industrial	Sa	19.1	Hv	890	B	80.7%	Hours	2425	A	50%	L	100%														
186	Steam Traps - HVAC Repair/Rep - Audit	Sa	6.9	Hv	951	B	80.7%	Hours	4029	A	50%	L	100%														
187	Steam Traps - HVAC Repair/Rep - No Audit	Sa	6.9	Hv	951	B	80.7%	Hours	4029	A	50%	L	27%														
188	Steam Traps - Test																										
189	Thermostat - Programmable																										
190	Water Heater - Storage 88% TE ≥75MBh	Tout	125	Tin	54	HotWaterUse	139,500	yWater	8.33	Eff_base	80%	Eff_ee	0.88	SL_gasbase	1,597	SL_eff	1029										
191	Water Heater 88% TE - Central Plant (Lodging)	Tout	125	Tin	54	HotWaterUse	34,650	yWater	8.33	Eff_base	0.5925	Eff_ee	0.67	MBH	75												
192	Double Rack Oven																										
193	Energy Star Convection Oven																										
194	Energy Star Conveyer Oven																										
195	Energy Star Fryer																										
196	Energy Star Steamer - 3 Pans	CSM_%base	90%	IDLE_base	11,000	PC_base	65	E_food	105	EFF_base	15%	HOURS_day	6	F	100	CSM_%estar	0%	IDLE_estar	6250	PC_estar	55	EFF_estar	38%	PRE_number	1	PRE_heat	11,000
197	Energy Star Steamer - 4 Pans	CSM_%base	90%	IDLE_base	14,667	PC_base	87	E_food	105	EFF_base	15%	HOURS_day	6	F	100	CSM_%estar	0%	IDLE_estar	8333	PC_estar	73	EFF_estar	38%	PRE_number	1	PRE_heat	11,000
198	Energy Star Steamer - 5 Pans	CSM_%base	90%	IDLE_base	18,333	PC_base	108	E_food	105	EFF_base	15%	HOURS_day	6	F	100	CSM_%estar	0%	IDLE_estar	10417	PC_estar	92	EFF_estar	38%	PRE_number	1	PRE_heat	11,000
199	Energy Star Steamer - 6 Pans	CSM_%base	90%	IDLE_base	22,000	PC_base	130	E_food	105	EFF_base	15%	HOURS_day	6	F	100	CSM_%estar	0%	IDLE_estar	12500	PC_estar	110	EFF_estar	38%	PRE_number	1	PRE_heat	11,000
200	Heat Recovery Grease Trap Filter	Meals_per_Day	700	HW_per_Meal	3	Days_per_Year	312	ΔT_per_filter	5.8	Qty_filter	3.5	η_HeaterGas	0.8														
201	Infrared Charbroiler																										
202	Infrared Rotisserie Oven																										
203	Infrared Salamander Broiler																										
204	Infrared Upright Broiler																										
205	SB Custom																										
206	CI Custom																										
207	New Construction																										
208	Behavior																										
209	Energy Education																										
210	Retrofit																										
211	Bathroom Aerator	GPM_base	1.39	GPM_low	0.94	L_base/L_low	1.6	DF	90%	FPH	1.5	EPG_gas	0.00397	ISR	0.95	Household	2.1	RE_gas	67%								
212	Kitchen Aerator	GPM_base	1.39	GPM_low	0.94	L_base/L_low	4.5	DF	75%	FPH	1	EPG_gas	0.00484	ISR	0.91	Household	2.1	RE_gas	67%								
213	Showerhead	GPM_base	2.67	GPM_low	1.5	L_base/L_low	7.8	EPG_gas	0.00583	SPDC	0.6	SPH	1.3	ISR	0.95	Household	2.1	RE_gas	67%								
214	Pipe Insulation (DHW)	Rexist	1	Rnew	4	L	1	C	0.196	ΔT	60	nDHW	0.78														
215	Water Heater Setback	Tpre	135	Tpost	120	U	0.083	Area (sqft)	24.99	Hours	8766	REgas	78%														
216	Air Sealing																										
217	Attic Insulation & Air Sealing																										
218	Wall Insulation																										
219	Pipe Insulation - DHW																										
220	Pipe Insulation - Heating																										
221	Boiler Tune-ups																										
222	Outdoor Resets/Cutouts																										
223	Steam Trap																										
224	Controls for Central DHW Pumps																										
225	Steam Boiler Averaging Controls																										
226	Boiler Replacement																										
227	DHW Replacement																										
228	HVAC Balancing/Optimizing																										
229	Furnace >95% AFUE	GFHL_SF	834	HF_SF	100%	AFUE_base	80%	AFUE_eff	95%																		
230	Water Heater - Storage 0.67 EF	Efbase	0.62	Efef	0.67	GPD	17.6	Household	2.56	yWater	8.33	Tout	125	Tin	54	Tank Volume	40										
231	Programmable Thermostat - Furnace	Heating_Consumption	1,005	Heat_Reduction	6.2%	HF_SF	100%	Eff_ISR	56%																		
232	Duct Sealing	ΔCFM25DL	1	CapacityHeat	76,000	FLHheat_Res	1,840	nEquipment	83%	nSystem	70%	TRF	40%														
233	New Construction																										

PS-PG EX. 1.6B

Pipe Insulation

Δtherms per foot = ((Qbase – Qeff) * TRF * HOURS) / (100,000 * ηBoiler)

Δtherms = (Lsp + Loc,i) * Δtherms per foot

Measure Size	Btu loss/hr, uninsulated					Btu loss/hr, insulated			Nominal Therms/ft								PIPE	
	225 deg. (STEAM)	225 deg. (STEAM)	170 deg. (Condensate/HW)	145 deg.	125 deg.	170 deg. (Condensate/HW)	145 deg.	125 deg.	Com. Steam	MF Steam	Com. Condensate Return	MF Condensate Return	HW	DHW	DIA		Com. Steam	MF Steam
Small <2"	115	27	69.76	46		16.17	11.69		3.77			2.87	1.86					
	140	28	80.05	56.07	38.5	16.85	12.19	8.7	4.81		2.72	3.39	2.27	2.68	1	29		
	173	36	98.61	69.04	47.38	21.56	15.58	11.1	5.87		3.32	4.13	2.77	3.26	1.25	56		
	196	37	111.4	77.98	53.5	21.88	15.82	11.28	6.82		3.85	4.80	3.22	3.80	1.5	97		
Med 2-5"	240	43	136.6	95.55	65.53	25.55	18.48	13.17	8.47		4.78	5.95	3.99	4.71	2	230	3.19	3.97
	286	50	162.8	113.9	78.07	29.35	21.21	15.12	10.18		5.74	7.15	4.80	5.66	2.5	449		
	344	59	195.4	136.6	93.64	34.67	25.05	17.85	12.27		6.92	8.62	5.77	6.81	3	775		
	390	55	221.4	154.7	106	32.67	23.63	16.86	14.39	17.92			6.78		3.5	1,231		
	435	70	247.2	172.8	118.4	41.46	29.96	21.35	15.71	19.57			7.39	8.73	4	1,838		
	481	66	273	190.8	130.7	38.87	28.12	20.05	17.86	22.25			8.42	9.95	4.5	2,617		
Large 5-8"	532	87	301.9	210.9	144.5	51.57	37.24	26.53	19.13	23.83			8.99	10.61	5	3,590	9.78	12.18
	628	104	356.3	248.9	170.5	61.09	44.11	31.41	22.58	28.11			10.60	12.51	6	6,203		
	718	117							25.88	32.23					7	9,850		
	808	124							29.44	36.66					8	14,703	25.00	31.13
X-Large 8-12"	897	137							32.75	40.79					9	20,934		
	998	159							36.13	45.00					10	28,716		
	1,177	169							43.39	54.04					12	49,621	35.98	44.81

Combustion Eff. (Com. Steam)	80.7%
Combustion Eff. (MF Steam)	64.8%
Combustion Eff. (HW)	81.9%
Space Heating Hours/ year	4,963
DHW Hours/ year	8,766
Year Round TRF	0.84
Space Heating TRF	0.7

From IL TRM from tables on pages 246 & 247:						
Size (inches)	Area of Elbow	Equivalent Length Elbow	Equivalent Length Tee	Area oF Pipe	Area of Valve	Equivalent Length of Valve
1	0.10	0.30		0.33	0.69	2.07
3	0.93	1.01	0.84	0.92	3.37	3.66
4	1.64	1.40	1.03	1.17	4.68	4.00
5		1.76	1.22			
6	3.70	2.13	1.41	1.74	7.03	4.05
8	6.58	2.91	1.75	2.26	10.30	4.56
5		1.76	1.22			
6	3.70	2.13	1.41	1.74	7.03	4.05
8	6.58	2.91	1.75	2.26	10.30	4.56
10	10.28	3.65	2.13	2.82	13.80	4.90
12	14.80	4.44	2.50	3.33	16.10	4.83

Measure	C&I/SB	MF
Pipe Insulation - Hyd. Boiler Sm <=1.25"		2.30
Pipe Insulation - Hyd. Boiler Med 1.25-2"		3.60
Pipe Insulation - Hyd. Boiler Large >=2"		6.19
Pipe Insulation - HW Small 1" to 2"	2.66	3.14
Pipe Insulation - HW Medium 2.1" to 4"	5.25	6.19
Pipe Insulation - HW Large >4"	9.04	10.67
Pipe Insulation - Steam - Small 1" to 2"	3.19	3.97
Pipe Insulation - Steam - Med 2.1"-5"	13.15	13.58
Pipe Insulation - Steam - Large 5.1"-8"	24.26	30.21
Pipe Insulation - Steam - X-Large >8"	35.98	44.81
Pipe Insulation - Steam Med Fitting	12.52	15.59
Pipe Insulation - Steam Large Fitting	51.25	63.82
Pipe Insulation - Steam X-Large Fitting	99.14	123.46
Pipe Insulation - Steam Med Valve	37.42	46.61
Pipe Insulation - Steam Large Valve	107.53	133.91
Pipe Insulation - Steam X-Large Valve	175.06	218.02

Dry Cleaner Pipe Insulation

Cost	Gross savings	Lengths (small)	Elbows (small)
888	464	148	
1710	1832	285	
11928	5699	695	272

TRF	Hours**(IL TRM)	T	Tamb	Thickness	Eff
0.5495	2425	325	70	0.5	0.807

	SM in	Uninsulated loss btu/hr-ft	Insulated loss btu/hr-ft	Savings Therms
100	0.5	185	53.44	2.17
	0.75	225.5	60.66	2.72
276	1	275.9	71.02	3.38
59	1.25	341.1	88.22	4.18
695	1.5	386.1	99.13	4.74
	Elbows	1.992		4.15

PS-PG EX. 1.6B

Thermostats

	CZ		FU	Ws	Th					
Assembly	0.0989	intermitter	1	98	5	0.8	76	0.43	26	ΔTherms = CZ+Fu*(0.00405*Th+0.000519*Ws-0.11)+Th*(0.0000689*Ws-0.0118)+0.0022*Ws
Convience Store	0.854	intermitter	1	108	5	0.8	76	1.04	63	ΔTherms = CZ+Fu*(0.00231*Th-0.0349)+Th*(0.000309*Ws-0.0494)+0.00266*Ws
Office Low Rise	3.022	intermitter	1	55	5	0.8	76	2.68	163	ΔTherms = CZ+Fu*(0.00745*Th-0.142)+Th*(0.00077*Ws-0.111)+0.00199*Ws
Religious	5.368	intermitter	1	133	5	0.8	76	5.50	334	ΔTherms = CZ+Fu*(0.00143*Th-0.0309)+Th*(0.0008*Ws-0.134)+0.00219*Ws
Restaurant - Fast Food	0.636	intermitter	1	108	5	0.8	76	1.04	64	ΔTherms = CZ+Fu*(0.0125*Th+0.0036*Ws-0.71)+Th*(0.000329*Ws-0.0615)+0.00738*Ws
Restaurant - Sit Down	0.704	intermitter	1	117	5	0.8	76	0.84	51	ΔTherms = CZ+Fu*(0.00144*Th+0.000262*Ws-0.0553)+Th*(0.00018*Ws-0.0299)+0.00166*Ws
Retail - Large	2.672	intermitter	1	93	5	0.8	76	2.77	168	ΔTherms = CZ+Th*(0.000406*Ws-0.0611)+0.00228*Ws
Retail - Strip Mall	2.292	intermitter	1	93	5	0.8	76	2.29	139	ΔTherms = CZ+Fu*(0.00383*Th-0.0656)+Th*(0.000575*Ws-0.0912)+0.00249*Ws
									126	

PS-PG EX. 1.6B

Laundromat Boilers

Tout	140
Tin	54.1
γWater	8.33
HotWaterUse_Gal	4,928
Power Factor	80%
Water Factor	0.65

Cycles per day	3	
Hot Water Gallons/Cycle	4.5	Assume WF = 1.26

www.bandctech.com/Manuals/commercial-laundry-planning-guide.pdf
www1.eere.energy.gov/buildings/appliance_standards/commercial/pdfs/ccw_snopr_chap6.pdf
www.allianceforwaterefficiency.org/laundromats.aspx

Boiler Size per Washer (Btu/h)	5,232	btuh
Boiler Usage (Btu)	4,407,322	Btu
EFLH	930	Dry Cleaner Hours

MBH	1	1
EF_gasbase	0.8	0.8
EF_eff	0.88	0.95

Savings per MBH	1.06	1.84