

	Measure Name	Baseline Description	Efficient Description	CFE Saved	Effective Useful Life	TRC	Incentive Amount	Incremental Cost
Residential	1) Programmable Thermostat (moderate setback)	No Setback	Moderate Setback	43.94	9	3.74	\$25	\$ 73.43
Residential	2) Furnace - 92% to 95.9% (assumes 95%)	AFUE 78%	AFUE 95%	148.92	12	1.5	\$150	\$ 958.00
Residential	3) Furnace - 96% or higher	AFUE 78%	AFUE 96%	150	12	1.3	\$200	\$ 1,050.00
Residential	4) Boiler	AFUE 80%	AFUE 90%	140	12	1.16	\$1,100	\$ 1,100.00
Residential	5) Tank Storage Water Heater - Tier 1 (0.62 - 0.67 EF)	Standard Gas Water Heater EF = 0.60	High Efficiency Gas Water Heater EF 0.62	9.77	15	1.48	\$50	\$ 67.00
Residential	6) Tank Storage Water Heater - Tier 2 (>0.67 EF)	Standard Gas Water Heater EF = 0.60	Super Efficiency Gas Water Heater EF 0.67	22.46	15	1.52	\$125	\$ 235.00
Residential	7) Tank or Tankless Water Heater - 0.82 or higher	Standard Gas Water Heater EF = 0.60	Tankless Water Heater EF 0.82	48.83	15	1.53	\$200	\$ 1,527.00
Residential	8) Building Shell Measures						\$250	
Residential	Ceiling Insulation (Blend)	Varies By Vintage	Varies By Vintage	36.99	20	0.25	\$	\$ 1,665.29
Residential		R-11	R-30	46.47	20	0.23	\$	\$ 2,220.39
Residential		Old Ceiling Insulation (R-11 to R-30)	R-19	34.12	20	0.17	\$	\$ 2,177.69
Residential		Average Ceiling Insulation (R-19 to R-30)	R-30	5.97	20	0.11	\$	\$ 597.80
Residential		New Ceiling Insulation (R-38 to R-50)	R-50	37.33	20	0.14	\$	\$ 3,041.11
Residential	Wall Insulation (Blend)	Varies By Vintage	Varies By Vintage	114.82	20	0.23	\$	\$ 2,404.60
Residential		R-0	R-11	16.22	20	0.17	\$	\$ 2,946.81
Residential		Old Wall Insulation (R-0 to R-11)	R-13 + R-5 Sheathing	18	20	0.11	\$	\$ 2,880.80
Residential		Average Wall Insulation (R-11 to R-13)	R-19 + R-5 sheathing	47.11	20	0.41	\$	\$ 1,500.00
Residential	Window Replacement	Varies By Vintage	SHGC 0.4, U=35	15.07	20	0.09	\$	\$ 2,079.00
Residential	Energy Star Door (modeled at 1.9 per home)	Standard Door	Energy Star Door	44	13	1.38	\$	\$ 264.00
Residential	Infiltration Reduction 30% (includes caulking, switch insulation, other air sealing measures)	Varies By Vintage	Varies By Vintage	73	13	2.3	\$	\$ 264.00
Residential	Infiltration Reduction 50% (includes caulking, switch insulation, other air sealing measures)	Varies By Vintage	Varies By Vintage	2.28	5	0.32	\$	\$ 24.24
Residential	Door weather stripping	No Weather Stripping	Door Weather Stripping	11.72	10	4.49	\$	\$ 18.00
Residential	Water heater wrap	No Wrap	Tank Blanket	10.74	6	11.02	\$	\$ 4.00
Residential	Hot water pipe wrap	No pipe wrap	R4 5 linear feet	6.84	12	20.1	\$	\$ 2.80
Residential	Faucet Aerator	2.2 GPM	1.5 GPM	21.48	12	11.87	\$	\$ 14.90
Residential	Low-Flow Showerhead	2.5 GPM	1.75 GPM	48.51	9	14.03	\$40	\$ 2,000.00
General Service	1) Programmable Thermostat (assumes 40 k square feet conditioned floor space)	No Setback	Moderate Setback	175	15	1.11	\$150	\$ 1,437.00
General Service	2) Furnace - 92% to 95.9% less than 150,000 MMBTU	78% AFUE	90% AFUE or greater	177.3	15	1.11	\$200	\$ 1,452.00
General Service	3) Furnace - 96% or higher less than 150,000 MMBTU	78% AFUE	96% AFUE or greater	182	15	1.11	\$475	\$ 1,333.00
General Service	4) Furnace - 90% or higher 150,000 MMBTU or higher	78% AFUE	Replaced or Repaired Steam Trap	226.56	5	4.56	\$100	\$ 168.00
General Service	5) Steam Trap Replacement	Steam Trap Failed/Open	Modulating Burner	276.1	20	0.49	\$7,500	\$ 9,689.00
General Service	6) Continuous Modulating burner (assumes 100,000 BTU/hr)	No Burner	Tune-up	53.4	2	0.11	\$500	\$ 698.28
General Service	7) Boiler Tune-up	No tune-up					\$500	
General Service	8) Primary Air Damper						\$500	
General Service	9) Food Service Steamer (assumes 5 pan)	Cooking Energy Efficiency = 0.15	Cooking Energy Efficiency = 0.38	1986.33	12	2.62	\$475	\$ 6,221.00
General Service	10) Food Service Fryer	Cooking Energy Efficiency = 0.35	Cooking Energy Efficiency = 0.50	493.16	12	1.06	\$350	\$ 3,796.00
General Service	11) Food Service Griddle	Cooking Energy Efficiency = 0.32	Cooking Energy Efficiency = 0.38	85.94	12	0.15	\$400	\$ 4,575.00
General Service	12) Food Service Oven	Cooking Energy Efficiency = 0.30	Cooking Energy Efficiency = 0.40	315.43	12	0.82	\$200	\$ 8,221.00
General Service	13) Tank Storage Water Heater - Tier 1 (EF 0.62 - 0.67) <75,000 BTU/h	Gas Water Heater EF = 0.59	High Efficiency Gas Water Heater EF = 0.62	30.27	15	2.12	\$50	\$ 145.00
General Service	14) Tank Storage Water Heater - Tier 2 (> EF 0.67) <75,000 BTU/h	Gas Water Heater EF = 0.59	Super Efficiency Gas Water Heater EF = 0.67	70.00	15	1.33	\$125	\$ 508.58
General Service	15) Tank or Tankless Water Heater - 0.82 or higher <75,000 BTU/h	Gas Water Heater EF = 0.59	Tankless Water Heater EF = 0.82	172.85	15	6.15	\$200	\$ 285.00
General Service	16) Boiler (assumes 150,000 BTU/hr)	Boiler 80% AFUE	Efficient Boiler 85%	96.25	20	2.38	\$500	\$ 530.54
General Service	17) Energy Efficient Door	Inefficient Door	Efficient Door	19,193.77	20	0.1	\$	\$ 2,079.00
General Service	17) Building Shell Measures - Commercial Energy Audit Improvement						\$1,000	
General Service		Wall Insulation	R-11	235.3	25	4.8	\$	\$ 1,046.00
General Service		U-Value = 0.45, SHGC 0.47 (Code)	U-Value=0.35; SHGC=0.32	60	25	0.03	\$	\$ 9,240.00
General Service		Window Replacement (U-value 35, SHGC = 0.32)	R-7 Water Heater Blanket	96.68	10	1.77	\$	\$ 377.00
General Service		Water heater pipe wrap	R-4 Insulation	9.28	20	7.64	\$	\$ 6.62
General Service	Hot water pipe wrap (savings are average of steam boiler and water heater pipe wrap)	No Wrap	0.65 ACH	652	10	3.3	\$	\$ 1,260.00
General Service		1 ACH	1.5 GPM	77.15	9	39.93	\$	\$ 12.00
General Service	Air Sealing (35% infiltration reduction)	Faucet Aerator	2.0 GPM	46	10	8.82	\$	\$ 33.00
General Service		Low-Flow Showerhead	R-18	2019.44	20	1.56	\$	\$ 16,906.82
General Service		Ceiling Insulation						

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Date 10/10/11 Reporter JC
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	Measure Name	Baseline Description	Efficient Description	CCF Saved	Effective Useful Life	Gas Only TRC	Incentive Amount	Incremental Cost
Residential	Ceiling Insulation (Blend)	Varies By Vintage	Varies By Vintage	36.99	20	0.25	\$ 1,000	\$ 1,665.29
Residential		R-11	R-30	46.47	20	0.23		\$ 2,220.39
Residential	Old Ceiling Insulation (R-11 to R-30)							
Residential	Average Ceiling Insulation (R-19 to R-30)	R-19	R-30	34.12	20	0.17		\$ 2,177.69
Residential	New Ceiling Insulation (R-38 to R-50)	R-38	R-50	5.97	20	0.11		\$ 597.80
Residential	Wall Insulation (Blend)	Varies By Vintage	Varies By Vintage	37.33	20	0.14		\$ 3,041.11
Residential		R-0	R-11	114.82	20	0.23		\$ 2,404.60
Residential	Old Wall Insulation (R-0 to R-11)							
Residential	Average Wall Insulation (R-11 to R-13)	R-11	R-13 + R-5 Sheathing	16.22	20	0.17		\$ 2,946.81
Residential	New Wall Insulation (R-13 + R-5 Sheathing)	R-13	R - 19 + R-5 sheathing	18	20	0.11		\$ 2,880.80
Residential	Window Replacement	Varies By Vintage	SHGC 0.4; U=35	47.11	20	0.41		\$ 1,500.00
Residential	Energy Star Door (modeled at 1.9 per home)	Standard Door	Energy Star Door	15.07	20	0.09		\$ 2,079.00
Residential	Door weather stripping	No Weather Stripping	Door Weather Stripping	2.28	5	0.32		\$ 24.24
General Service	6) Continuous Modulating burner (assumes 100,000 BTU/hr)	No Burner	Modulating Burner	276.1	20	0.49	\$7,500	\$ 9,689.00
General Service	7) Boiler Tune-up	No tune-up	Tune-up	53.4	2	0.11	\$500	\$ 698.28
General Service	11) Food Service Griddle	Cooking Energy Efficiency = 0.32	Cooking Energy Efficiency = 0.38	85.94	12	0.15	\$400	\$ 4,575.00
General Service	12) Food Service Oven	Cooking Energy Efficiency = 0.30	Cooking Energy Efficiency = 0.40	315.43	12	0.82	\$200	\$ 8,221.00
General Service	17) Energy Efficient Door	Inefficient Door	Efficient Door	19.19	20	0.1		\$ 2,079.00
General Service	Window Replacement (U-value 35, SHGC = 0.32)	U-Value = 0.45, SHGC 0.47 (Code)	U-Value=0.35; SHGC=0.32	60	25	0.03		\$ 9,240.00