



Gross-to-Net Factors

2013

APRIL 1, 2014

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Gross-to-Net Factors

NARRATIVE

Adjustments to all savings were made to account for free riders, spillover, and line losses. This section lists the adjustments that were used for this report.

Adjustments on the following page represent free rider and spillover rates used throughout 2013 by mutual agreement among Efficiency Vermont and the Vermont Public Service Department. Free rider and spillover adjustments are applied based on the specific measure and project track. No adjustments are made for free riders or spillover in the Customer Credit Program.

Adjustments for free riders and spillover are presented as a single combined factor rather than percentage adjustments. That is, “no adjustment” is indicated by a factor of 1. Factors less than 1 represent a net reduction in savings due to free riders. Factors greater than 1 represent a net increase in savings due to spillover. Free rider and spillover adjustments are combined by addition. For example, a free rider adjustment of 0.8 combined with a spillover adjustment of 1.1 results in a total adjustment of 0.9. The adjusted savings would be 90% of gross savings.

Savings adjusted for free riders and spillover are further adjusted to account for line losses, multiplying by 1 plus the appropriate line loss factor. See the Efficiency Vermont Technical Reference Manual for further detail on the application of line loss, free riders, and spillover adjustments. The line loss factors do not vary by measure, but by costing period, and are listed in **Table 1**.

Table 1. Line Loss Factors

Energy (MWh)				Peak (kW)	
Winter Peak Period	Winter Off-Peak Period	Summer Peak Period	Summer Off-Peak Period	Winter Peak	Summer Peak
13.466%	12.151%	13.697%	10.682%	9.970%	10.510%

The column headings in the following table indicate project track and project track description as follows:

<u>Project Track</u>	<u>Project Track Description</u>
6012BPUF	Commercial Building Performance Retrofit
6012CNIR	Commercial & Industrial Retrofit
6013CUST	Commercial & Industrial Custom Equipment Replacement
6013PRES	Commercial & Industrial Prescriptive Equipment Replacement
6013UPST	Commercial & Industrial Upstream
6014CUST	Commercial & Industrial Custom New Construction

6014PRES	Commercial & Industrial Prescriptive Equipment New Construction
6017BPUF	Multifamily Low-Income Building Performance Retrofit
6017CUST	Multifamily Low-Income Custom Retrofit
6017PRES	Multifamily Low-Income Prescriptive Retrofit
6018LINC	Multifamily Low-Income New Construction
6019MFNC	Multifamily Market-Rate New Construction
6020CUST	Multifamily Market-Rate Custom Retrofit
6020PRES	Multifamily Market-Rate Prescriptive Equipment Replacement
6032EPEP	Efficient Products
6032UPST	Residential Upstream
6034LISF	Single Family Retrofit, Low-Income
6036HPES	Single Family Home Performance Retrofit
6036RETR	Single Family Retrofit
6038VESH	Residential New Construction

2013 Gross-to-Net Factors

MEASURE CATEGORY	MEASURE DESCRIPTION	6012 BPUF	6012 CNIR	6013 CUST	6013 PRES	6013 UPST	6014 CUST	6014 PRES	6017 BPUF	6017 CUST	6017 PRES	6018 LINC	6019 MFNC	6020 CUST	6020 PRES	6032 EPEP	6032 UPST	6034 LISF	6036 HPES	6036 RETR	6038 VESH
Air Conditioning Efficiency	AC, Cool Choice tier 1 0-65 KBTU/hr	0.94	0.94	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	AC, Cool Choice tier 1 135-375 KBTU/hr	0.94	0.94	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	AC, Cool Choice tier 1 65-135 KBTU/hr	0.94	0.94	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	AC, Cool Choice tier 2 0-65 KBTU/hr	0.94	0.94	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	AC, Cool Choice tier 2 135-375 KBTU/hr	0.94	0.94	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	AC, Cool Choice tier 2 65-135 KBTU/hr	0.94	0.94	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Building orientation change	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Custom air conditioning	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Dehumidifier	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	0.77	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Ductless Mini Split	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Efficient Ground Source Heat Pump System	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Energy Star CEE Tier 1 AC, incremental	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Energy Star central AC	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	1.00	1.00	1.05
Air Conditioning Efficiency	Energy Star central AC, early replacement	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	1.00	1.00	1.00
Air Conditioning Efficiency	Energy Star room AC	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Energy Star room AC, early replacement	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Heat pump, air source	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Heat pump, air, Cool Choice tier 1 0-65 KBTU/hr	0.94	0.94	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Heat pump, air, Cool Choice tier 1 135-375 KBTU/hr	0.94	0.94	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Heat pump, air, Cool Choice tier 1 65-135 KBTU/hr	0.94	0.94	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Heat pump, air, Cool Choice tier 2 0-65 KBTU/hr	0.94	0.94	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Heat pump, air, Cool Choice tier 2 135-375 KBTU/hr	0.94	0.94	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Heat pump, air, Cool Choice tier 2 65-135 KBTU/hr	0.94	0.94	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Heat pump, water source	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Heat pump, water, Cool Choice tier 1 0-375 KBTU/hr	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Heat pump, water, Cool Choice tier 2 0-375 KBTU/hr	0.94	0.94	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	HVAC economizer	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Improved air conditioning controls	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Package terminal AC, Cool Choice tier 1	0.99	0.99	1.04	1.10	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Package terminal air conditioner	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Package terminal heat hump	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Package terminal heat pump, Cool Choice tier 1	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Proper sizing for HVAC	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Rating based cooling savings, 0-60pts attached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Air Conditioning Efficiency	Rating based cooling savings, 0-60pts detached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Air Conditioning Efficiency	Rating based cooling savings, 61-80pts attached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Air Conditioning Efficiency	Rating based cooling savings, 61-80pts detached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Air Conditioning Efficiency	Rating based cooling savings, 81-85pts attached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Air Conditioning Efficiency	Rating based cooling savings, 81-85pts detached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Air Conditioning Efficiency	Rating based cooling savings, 82 plus mixed	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Air Conditioning Efficiency	Rating based cooling savings, 82 plus multi	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Air Conditioning Efficiency	Rating based cooling savings, 86 plus mixed	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Air Conditioning Efficiency	Rating based cooling savings, 86 plus multi	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Air Conditioning Efficiency	Room heat pump	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Space Cooling Commissioning	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Air Conditioning Efficiency	Unitary air conditioning system	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Air Conditioning Efficiency	Water chilling system	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Compressed Air	Compressed Air Commissioning	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Compressed Air	Compressed air, Air Dryer	0.89	0.89	0.50	0.50	0.95	0.55	0.55	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00

MEASURE CATEGORY	MEASURE DESCRIPTION	6012 BPUF	6012 CNIR	6013 CUST	6013 PRES	6013 UPST	6014 CUST	6014 PRES	6017 BPUF	6017 CUST	6017 PRES	6018 LINC	6019 MFNC	6020 CUST	6020 PRES	6032 EPEP	6032 UPST	6034 LISF	6036 HPES	6036 RETR	6038 VESH
Compressed Air	Compressed air, Air Nozzle	0.89	0.89	0.90	0.90	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Compressed Air	Compressed air, Air Receiver	0.89	0.89	0.90	0.90	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Compressed Air	Compressed air, air treatment	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Compressed Air	Compressed air, compressor	0.89	0.89	0.75	0.75	0.95	0.80	0.80	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Compressed Air	Compressed air, custom	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Compressed Air	Compressed air, demand controls	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Compressed Air	Compressed air, distribution	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Compressed Air	Compressed air, maintenance	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Compressed Air	Compressed Air, No Loss Condensate Drain	0.89	0.89	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Compressed Air	Compressed air, Snowmaking distribution	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Compressed Air	Compressed air, Snowmaking efficiency	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Compressed Air	Compressed air, supply controls	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Cooking and Laundry	CEE Tier 1 Dishwasher Compact	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Cooking and Laundry	CEE Tier 1 Dishwasher Standard	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Cooking and Laundry	CEE Tier 2 Dishwasher Standard	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Cooking and Laundry	Commercial efficient clothes washer	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	0.90	1.00	1.00	0.90	0.90	0.95
Cooking and Laundry	Custom cooking/laundry	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Cooking and Laundry	Dryer duct improvement	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	0.90	1.00	1.00	1.00	0.90	0.90	0.95
Cooking and Laundry	Dryer usage reductions	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	0.90	1.15	1.00	1.00	0.90	0.90	0.95
Cooking and Laundry	Energy Star Clothes Washer CEE 2 Early Replacement	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.15	0.90	0.90	1.15	1.00	1.00	0.90	0.90	1.15
Cooking and Laundry	Energy Star Clothes Washer CEE 3 Early Replacement	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.15	0.90	0.90	1.15	1.00	1.00	0.90	0.90	1.15
Cooking and Laundry	Energy Star clothes washer CEE Tier 2	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	0.90	0.50	1.00	1.00	0.90	0.90	1.15
Cooking and Laundry	Energy Star clothes washer CEE Tier 3	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.15
Cooking and Laundry	Energy Star Commercial Combination Oven	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	0.90	1.00	1.00	1.00	0.90	0.90	0.95
Cooking and Laundry	Energy Star Commercial Convection Oven	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	0.90	1.00	1.00	1.00	0.90	0.90	0.95
Cooking and Laundry	Energy Star dishwasher	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Cooking and Laundry	Energy Star Dishwasher Compact	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Cooking and Laundry	Energy Star Dishwasher Standard	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Cooking and Laundry	Energy Star dishwasher, early replacement	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Cooking and Laundry	Energy Star Fryer	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	0.90	1.00	1.00	1.00	0.90	0.90	0.95
Cooking and Laundry	Energy Star Griddle	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	0.90	1.00	1.00	1.00	0.90	0.90	0.95
Cooking and Laundry	Energy Star Hot Food Holding Cabinet	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	0.90	1.00	1.00	1.00	0.90	0.90	0.95
Cooking and Laundry	Energy Star Steam Cooker	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	0.90	1.00	1.00	1.00	0.90	0.90	0.95
Cooking and Laundry	Energy Star washer	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	0.90	0.50	1.00	1.00	0.90	0.90	1.15
Cooking and Laundry	Energy Star washer, early replacement	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	0.90	0.95	1.00	1.00	0.90	0.90	0.95
Cooking and Laundry	Residential Energy Efficient clothes washer	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	0.90	1.15	1.00	1.00	0.90	0.90	1.15
Design Assistance	Comprehensive Building Commissioning	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Design Assistance	Comprehensive building-wide savings	0.89	0.89	0.95	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.98	1.02	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.02
Design Assistance	Core Performance Building	0.89	0.89	0.95	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.98	0.99	0.90	0.90	1.00	0.98	1.00	0.90	0.90	0.99
Design Assistance	Design assistance, general	0.89	0.89	0.95	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.98	1.02	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.02
Estimate	Estimated gross results	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Event	Compressed Air Challenge	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Health and Safety	Carbon monoxide detector	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Health and Safety	Chimney liner	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Health and Safety	Ventilation, health only	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.10
Hot Water Efficiency	Boiler Hot Water Recirculation Pipe	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Comprehensive hot water conservation	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Comprehensive Thermal Measure REMRate Calculated DHW	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Hot Water Efficiency	Custom hot water efficiency	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Domestic Hot Water Recirculation Pipe	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Drain Water Heat Recovery	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Drain Water Waste Heat Recovery	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Hot Water Efficiency	ENERGY STAR Heat Pump Water Heater	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.10	1.00	1.00	0.90	0.90	1.00

MEASURE CATEGORY	MEASURE DESCRIPTION	6012 BPUF	6012 CNIR	6013 CUST	6013 PRES	6013 UPST	6014 CUST	6014 PRES	6017 BPUF	6017 CUST	6017 PRES	6018 LINC	6019 MFNC	6020 CUST	6020 PRES	6032 EPEP	6032 UPST	6034 LISF	6036 HPES	6036 RETR	6038 VESH
Hot Water Efficiency	Faucet aerator/flow restrictor	0.89	0.89	0.94	1.00	1.00	1.00	1.00	0.90	0.90	0.90	0.90	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Heat recovery, compressor	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Heat recovery, grey water	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Hot water temperature setback	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Improve hot water controls	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Insulate hot water pipes	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Insulate hot water tank	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Low flow Pre-Rinse Spray Valve	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Low flow showerhead	0.89	0.89	0.94	1.00	1.00	1.00	1.00	0.90	0.90	0.90	0.90	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Low flow water fixtures, mixed types	0.89	0.89	0.99	0.95	1.00	1.00	1.00	0.90	0.90	0.90	0.90	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	Rating based hot water savings, 0-60pts attached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Hot Water Efficiency	Rating based hot water savings, 0-60pts detached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Hot Water Efficiency	Rating based hot water savings, 61-80pts attached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Hot Water Efficiency	Rating based hot water savings, 61-80pts detached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Hot Water Efficiency	Rating based hot water savings, 81-85pts attached	0.89	0.89	0.99	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Hot Water Efficiency	Rating based hot water savings, 81-85pts detached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Hot Water Efficiency	Rating based hot water savings, 82 plus mixed	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Hot Water Efficiency	Rating based hot water savings, 82 plus multi	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Hot Water Efficiency	Rating based hot water savings, 86 plus mixed	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Hot Water Efficiency	Rating based hot water savings, 86 plus multi	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Hot Water Efficiency	Solar hot water heating	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Efficiency	URF Dummy Measure	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Hot Water Efficiency	Waterbed pad	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Fuel Switch	Fuel switch hot water, continuous flow kerosene	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.85	0.85	0.85			1.00	0.80	0.80	
Hot Water Fuel Switch	Fuel switch hot water, continuous flow natural gas	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.85	0.85	0.85			1.00	0.80	0.80	
Hot Water Fuel Switch	Fuel switch hot water, continuous flow oil	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.85	0.85	0.85			1.00	0.80	0.80	
Hot Water Fuel Switch	Fuel switch hot water, continuous flow propane	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.85	0.85	0.85			1.00	0.80	0.80	
Hot Water Fuel Switch	Fuel switch hot water, indirect fired fuel oil	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.85	0.85	0.85			1.00	0.80	0.80	
Hot Water Fuel Switch	Fuel switch hot water, indirect fired natural gas	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.85	0.85	0.85			1.00	0.80	0.80	
Hot Water Fuel Switch	Fuel switch hot water, indirect fired propane	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.85	0.85	0.85			1.00	0.80	0.80	
Hot Water Fuel Switch	Fuel switch hot water, indirect fired wood	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.85	0.85	0.85			1.00	0.80	0.80	
Hot Water Fuel Switch	Fuel switch hot water, stand alone fuel oil	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.85	0.85	0.85			1.00	0.80	0.80	
Hot Water Fuel Switch	Fuel switch hot water, stand alone natural gas	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.85	0.85	0.85			1.00	0.50	0.50	
Hot Water Fuel Switch	Fuel switch hot water, stand alone propane	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.85	0.85	0.85			1.00	0.80	0.80	
Hot Water Fuel Switch	Fuel switch hot water, stand alone wood	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.85	0.85	0.85			1.00	0.80	0.80	
Hot Water Replacement	Replace hot water, continuous flow kerosene	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Replacement	Replace hot water, continuous flow natural gas	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Replacement	Replace hot water, continuous flow oil	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Replacement	Replace hot water, continuous flow propane	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Replacement	Replace hot water, indirect fired fuel oil	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Replacement	Replace hot water, indirect fired natural gas	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Replacement	Replace hot water, indirect fired propane	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Replacement	Replace hot water, indirect fired wood	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Replacement	Replace hot water, stand alone fuel oil	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Replacement	Replace hot water, stand alone natural gas	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Replacement	Replace hot water, stand alone propane	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Hot Water Replacement	Replace hot water, stand alone wood	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Industrial Process Efficiency	Combined Heat and Power system	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Industrial Process Efficiency	Custom industrial process	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Industrial Process Efficiency	Efficient Snowmaking Fan Guns	0.80	0.80	0.80	0.80	0.80	0.85	0.85	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Industrial Process Efficiency	Efficient Snowmaking Ground Guns	0.80	0.80	0.80	0.80	0.80	0.85	0.85	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Industrial Process Efficiency	Efficient Snowmaking Guns, Other	0.80	0.80	0.80	0.80	0.80	0.85	0.85	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Industrial Process Efficiency	Efficient Snowmaking Tower Guns	0.80	0.80	0.80	0.80	0.80	0.85	0.85	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80

MEASURE CATEGORY	MEASURE DESCRIPTION	6012 BPUF	6012 CNIR	6013 CUST	6013 PRES	6013 UPST	6014 CUST	6014 PRES	6017 BPUF	6017 CUST	6017 PRES	6018 LINC	6019 MFNC	6020 CUST	6020 PRES	6032 EPEP	6032 UPST	6034 LISF	6036 HPES	6036 RETR	6038 VESH
Industrial Process Efficiency	Industrial Process Commissioning	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Industrial Process Efficiency	Industrial Process Cooling Efficiency	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Industrial Process Efficiency	Industrial Process Efficient Boiler	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Industrial Process Efficiency	Industrial Process Efficient Chiller	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Industrial Process Efficiency	Industrial Process Heating Efficiency	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Industrial Process Efficiency	Injection Molding Machines	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.89	0.89	1.00	1.00	1.00	1.00	1.00	1.00
Industrial Process Efficiency	Rebuilt Snowmaking Guns	0.70	0.70	0.70	0.70	0.70	0.75	0.75	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Industrial Process Efficiency	Snowmaking process	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Industrial Process Efficiency	Snowmaking Process Controls	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Industrial Process Efficiency	Snowmaking Water Distribution Efficiency	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Industrial Process Efficiency	Snowmaking Water Precooling	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Industrial Process Efficiency	Snowmaking Water Pump Rebuild	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Light Bulb/Lamp	CFL - Commercial DI	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.10	0.95	1.00	0.90	0.90	1.00
Light Bulb/Lamp	CFL - Specialty Bulb - Hard to Reach	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	1.00	1.00	1.00
Light Bulb/Lamp	Compact Fluorescent – Specialty Bulb - Direct Install	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	0.95	1.00	0.90	0.90	1.00
Light Bulb/Lamp	Compact fluorescent screw-base bulb	0.50	0.50	0.50	0.50	0.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	0.50	0.50	1.00	0.90	0.90	1.00
Light Bulb/Lamp	Compact fluorescent screw-base bulb - Hard to Reach	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	0.80	0.95	1.00	1.00	1.00	1.00
Light Bulb/Lamp	Compact fluorescent screw-base bulb Com	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	0.70	0.95	1.00	0.90	0.90	1.00
Light Bulb/Lamp	Custom lamp or bulb	0.89	0.89	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Light Bulb/Lamp	Floor lamp, compact fluorescent	0.94	0.94	1.02	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	0.50	1.05	1.00	0.90	0.90	1.00
Light Bulb/Lamp	Free CFL screw-base bulb	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	1.00	0.90	0.90	1.00
Light Bulb/Lamp	Halogen IR	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00
Light Bulb/Lamp	HPT8 - F32T8 Lamps	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00
Light Bulb/Lamp	Integrated Ballast Metal-halide	0.89	0.89	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00
Light Bulb/Lamp	LED - SSL Directionals	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	0.90	0.98	0.90	0.90	1.19	0.90	1.00	0.90	0.90	0.98
Light Bulb/Lamp	LED DOWN LIGHT	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	0.90	0.98	0.90	0.90	1.19	0.90	1.00	0.90	0.90	0.98
Light Bulb/Lamp	LED Screw Base Lamp	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.05	0.95	0.95	1.19	1.00	1.00	0.90	0.90	0.98
Light Bulb/Lamp	LED Smartlight Commercial	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Light Bulb/Lamp	LED Smartlight Residential	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Light Bulb/Lamp	Reduced Wattage CFL	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00
Light Bulb/Lamp	Reduced Wattage MH	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00
Light Bulb/Lamp	Reduced-Wattage T5 Lamp	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00
Light Bulb/Lamp	Reduced-Wattage T8 Lamp	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00
Light Bulb/Lamp	Screw-Base Induction Fluorescent	0.89	0.89	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00
Light Bulb/Lamp	Specialty Bulb	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	0.80	0.95	1.00	0.90	0.90	1.00
Light Bulb/Lamp	Table/Desk lamp, compact fluorescent	0.94	0.94	1.02	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	0.50	1.05	1.00	0.90	0.90	1.00
Light Bulb/Lamp	Torchiere, compact fluorescent	0.94	0.94	1.02	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	0.97	1.05	1.00	0.90	0.90	1.00
Lighting Efficiency/Controls	2-way switching	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Lighting Efficiency/Controls	Custom lighting efficiency	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Lighting Efficiency/Controls	Daylighting	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Lighting Efficiency/Controls	Delamping/fixture reduction	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Lighting Efficiency/Controls	Dimming controls and ballasts	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Lighting Efficiency/Controls	Exterior motion sensors	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.10	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.10
Lighting Efficiency/Controls	Exterior Occupancy Sensors	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Lighting Efficiency/Controls	Freezer Case Controls	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Lighting Efficiency/Controls	Lighting design improvements	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Lighting Efficiency/Controls	Lighting supplier compensation	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.95	0.95	1.05	0.95	1.00	0.90	0.90	0.96
Lighting Efficiency/Controls	Lighting System Commissioning	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lighting Efficiency/Controls	Lighting system, exterior power density reduction	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Lighting Efficiency/Controls	Lighting system, interior power density reduction	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Lighting Efficiency/Controls	Occupancy sensors	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Lighting Efficiency/Controls	Photocell switches	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Lighting Efficiency/Controls	Refrigerator Case Controls	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00

MEASURE CATEGORY	MEASURE DESCRIPTION	6012 BPUF	6012 CNIR	6013 CUST	6013 PRES	6013 UPST	6014 CUST	6014 PRES	6017 BPUF	6017 CUST	6017 PRES	6018 LINC	6019 MFNC	6020 CUST	6020 PRES	6032 EPEP	6032 UPST	6034 LISF	6036 HPES	6036 RETR	6038 VESH
Lighting Efficiency/Controls	Timer controls	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.90	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Lighting Hardwired Fixture	2-D fluorescent fixture	0.89	0.89	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.90	0.90	1.05	1.00	1.00	0.90	0.90	0.96
Lighting Hardwired Fixture	Circline fluorescent fixture	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.95	0.95	1.05	0.95	1.00	0.90	0.90	0.96
Lighting Hardwired Fixture	Compact fluorescent exterior fixture	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	1.01	0.95	0.95	0.50	0.95	1.00	0.90	0.90	1.01
Lighting Hardwired Fixture	Compact Fluorescent farm fixture	0.94	0.94	0.94	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	Compact fluorescent interior fixture	0.50	0.50	0.50	0.50	0.50	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.95	0.95	0.50	0.50	1.00	0.90	0.90	0.96
Lighting Hardwired Fixture	Compact fluorescent interior fixture, ceiling fan	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.95	0.95	0.57	0.95	1.00	0.90	0.90	0.96
Lighting Hardwired Fixture	Compact fluorescent interior fixture, recessed can	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.95	0.95	1.05	0.95	1.00	0.90	0.90	0.96
Lighting Hardwired Fixture	Compact fluorescent interior fixture, surface mount	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.95	0.95	1.05	0.95	1.00	0.90	0.90	0.96
Lighting Hardwired Fixture	Electronic-Ballast HID	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	Exit signs, LED	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	0.90	0.90	0.90	0.90	0.67	0.90	1.00	0.90	0.90	0.90
Lighting Hardwired Fixture	Generic linear fluorescent tube fixture	0.89	0.89	0.69	0.70	0.70	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.90	0.90	0.98	0.70	1.00	0.90	0.90	0.96
Lighting Hardwired Fixture	HID fixture, other	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	0.90	0.98	0.90	0.90	1.05	0.90	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	High bay fluorescent fixture	1.00	1.00	1.09	1.10	1.10	1.00	1.00	1.00	1.00	1.00	0.90	0.86	0.90	0.90	1.05	1.10	1.00	0.90	0.90	0.86
Lighting Hardwired Fixture	High Performance T8 Troffler	1.00	1.00	1.14	1.15	1.15	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.15	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	High pressure sodium fixture	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	0.90	0.98	0.90	0.90	1.05	0.90	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED 1x4 Recessed Light Fixture	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED 2x2 Recessed Light Fixture	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED 2x4 Recessed Light Fixture	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Display Case Light Fixture (per foot)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Flood Light Fixture	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Freezer Case Light, Horizontal or Vertical (per foot)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED High- and Low-Bay Fixtures	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Outdoor Bollard	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Outdoor Decorative Pole/Arm Area or Roadway Fixture	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Outdoor Pathway Lights	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Outdoor Pole/Arm Area or Roadway Fixture	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Outdoor Steplight	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Parking Garage/Canopy Fixture	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Portable Desk/Task Light	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Recessed Surface or Pendant Downlight Rx	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Refrigerated Case Lighting	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Surface or Pendant Downlight	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Track or mono-point Light Fixture	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED UnderCatbinet Shelf Task Light	0.77	0.77	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Wall Wash Fixture	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	LED Wall-Mount Area Fixture (WallPack)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	Linear fluorescent T12	0.75	0.75	0.69	0.70	0.70	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.90	0.90	1.05	0.70	1.00	0.90	0.90	0.96
Lighting Hardwired Fixture	Linear fluorescent T5	0.89	0.89	1.14	1.15	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.90	0.90	1.05	1.00	1.00	0.90	0.90	0.96
Lighting Hardwired Fixture	Linear fluorescent T8	0.78	0.78	0.49	0.50	0.50	0.55	0.55	1.00	1.00	1.00	0.90	0.86	0.90	0.90		0.50	1.00	0.90	0.90	0.86
Lighting Hardwired Fixture	Linear fluorescent T8, high efficiency	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.90	0.90	1.05	1.00	1.00	0.90	0.90	0.96
Lighting Hardwired Fixture	Linear fluorescent T8, indirect	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.90	0.90	1.05	1.00	1.00	0.90	0.90	0.96
Lighting Hardwired Fixture	Linear fluorescent T8, low glare	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.90	0.90	1.05	1.00	1.00	0.90	0.90	0.96
Lighting Hardwired Fixture	Linear fluorescent T8, super	1.10	1.10	0.99	1.00	1.15	1.00	1.00	1.00	1.00	1.00	0.90	0.86	0.90	0.90	1.05	1.15	1.00	0.90	0.90	0.86
Lighting Hardwired Fixture	Linear fluorescent T8, w/reflector	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.90	0.90	1.05	1.00	1.00	0.90	0.90	0.96
Lighting Hardwired Fixture	Low pressure sodium fixture	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	0.90	0.98	0.90	0.90	1.05	0.90	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	Metal halide fixture normal start	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	0.90	0.98	0.90	0.90	1.05	0.90	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	Metal halide fixture pulse start	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	0.90	0.98	0.90	0.90	1.05	0.90	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	Metal halide track lighting	1.09	1.09	1.09	1.10	1.10	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	Miscellaneous LEDs	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	0.90	0.98	0.90	0.90	1.19	0.90	1.00	0.90	0.90	0.98
Lighting Hardwired Fixture	New Super T8 High-Bay	0.90	0.90	0.90	0.90	0.90	0.80	0.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	New Super T8 Indirect	1.14	1.14	1.14	1.15	1.15	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.15	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	New Super T8 Industrial/Strip	0.85	0.85	1.14	1.15	1.15	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.15	1.00	1.00	1.00	1.00

MEASURE CATEGORY	MEASURE DESCRIPTION	6012 BPUF	6012 CNIR	6013 CUST	6013 PRES	6013 UPST	6014 CUST	6014 PRES	6017 BPUF	6017 CUST	6017 PRES	6018 LINC	6019 MFNC	6020 CUST	6020 PRES	6032 EPEP	6032 UPST	6034 LISF	6036 HPES	6036 RETR	6038 VESH
Lighting Hardwired Fixture	New Super T8 Troffer/Wrap	0.87	0.87	1.14	1.15	1.15	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.15	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	New Super T8 Vapor Proof	1.04	1.04	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	New T5 High-Bay	0.89	0.89	0.75	0.75	0.90	0.80	0.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	New T5 Indirect	1.14	1.14	1.14	1.15	1.15	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.15	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	New T5 Industrial/Strip	1.14	1.14	1.14	1.15	1.15	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.15	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	New T5 Troffer/Wrap	0.94	0.94	1.14	1.15	1.15	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.15	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	New T5 Vapor Proof	1.04	1.04	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	Other fixture	0.89	0.89	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.86	0.90	0.90	1.05	1.00	1.00	0.90	0.90	0.86
Lighting Hardwired Fixture	Relamp/reballast conversion existing fixture	0.76	0.76	0.69	0.70	0.70	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.90	0.90	1.05	0.70	1.00	0.90	0.90	0.96
Lighting Hardwired Fixture	Relamp/Reballast T8 to HPT8	1.10	1.10	1.14	1.15	1.15	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.15	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	Relamp/Reballast to Super T8	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.75	1.00	1.00	1.00	1.00
Lighting Hardwired Fixture	Streetlight, LED	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.86	1.00	1.00	1.00	1.00	1.00	0.90	0.90	0.86
Lighting Hardwired Fixture	Traffic signal, LED	0.67	0.67	0.67	0.67	0.67	0.72	0.72	1.00	1.00	1.00	0.90	0.86	0.67	0.67	1.00	0.67	1.00	0.90	0.90	0.86
Lighting Hardwired Fixture	U-Tube fluorescent fixture	0.89	0.89	0.69	0.70	0.70	1.00	1.00	1.00	1.00	1.00	0.90	0.96	0.90	0.90	1.05	0.70	1.00	0.90	0.90	0.96
Monitoring and Metering	Blueline Power Meter - Residential EPP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	0.90	0.98	0.90	0.90	1.25	0.90	1.00	0.90	0.90	0.98
Motor Controls	Custom motor control	0.89	0.89	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Motor Controls	Custom Motor Control - HVAC	0.89	0.89	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Motor Controls	Dairy Milk Pump VFD	0.90	0.90	0.94	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Motor Controls	Kitchen Exhaust Hood Controls	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Motor Controls	Maple Sap Vacuum Pump VFD	0.90	0.90	0.94	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Motor Controls	Maple Sap Vacuum Pump VFD	0.90	0.90	0.94	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Motor Controls	Motor Control Commissioning - HVAC	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Motor Controls	Motor Controls Commissioning	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Motor Controls	Motor timer control	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Motor Controls	Motor Timer Control - HVAC	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Motor Controls	Variable frequency drive motor control	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Motor Controls	Variable Frequency Drive, Industrial Process	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	1.00	1.00	1.00
Motor Controls	Variable Frequency Drive, Non Process, Non-HVAC	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	1.00	1.00	1.00
Motor Controls	Variable frequency drive, Snowmaking	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Motor Controls	Variable frequency drive, standardized	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Motor Controls	Variable speed drive motor control (non-VFD)	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Motor Controls	Variable Speed Milk Transfer Pump	0.90	0.90	0.94	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Motors	BLPM Boiler Circ Motor - Res																0.95				
Motors	Custom motor	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Motors	Custom Motor - HVAC	0.89	0.89	0.97	0.98	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.00
Motors	Custom Snowmaking motor efficiency	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Motors	Motor, ODP 1 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 1.5 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 10 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 100 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 125 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 15 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 150 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 2 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 20 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 200 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 25 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 3 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 30 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 40 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 5 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 50 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 60 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00

MEASURE CATEGORY	MEASURE DESCRIPTION	6012 BPUF	6012 CNIR	6013 CUST	6013 PRES	6013 UPST	6014 CUST	6014 PRES	6017 BPUF	6017 CUST	6017 PRES	6018 LINC	6019 MFNC	6020 CUST	6020 PRES	6032 EPEP	6032 UPST	6034 LISF	6036 HPES	6036 RETR	6038 VESH
Motors	Motor, ODP 7.5 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, ODP 75 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, Pool Pump	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 1 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 1.5 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 10 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 100 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 125 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 15 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 150 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 2 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 20 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 200 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 25 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 3 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 30 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 40 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 5 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 50 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 60 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 7.5 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Motors	Motor, TEFC 75 HP	0.89	0.89	0.89	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.90	1.00	0.90	0.90	1.00
Office Equipment, Electronics	Commercial Office Controlled Power Strip	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Office Equipment, Electronics	Computer monitor power management software	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Office Equipment, Electronics	Custom Office Equipment Efficiency	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Office Equipment, Electronics	EE-KIT Smart Power Strip	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00
Office Equipment, Electronics	Efficient Televisions	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Office Equipment, Electronics	Efficient Computers/Monitors	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.70	1.00	1.00	1.00	1.00	1.00
Office Equipment, Electronics	Plug-in Timer	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Office Equipment, Electronics	Residential Entertainment Controlled Power Strip	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Office Equipment, Electronics	Residential Office Controlled Power Strip	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Office Equipment, Electronics	Server Virtualization	0.50	0.50	0.50	0.50	0.50	0.55	0.55	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Other	Block Heater Timer	0.89	0.89	0.94	1.05	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Other	Commercial Loan Buy Down	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Other	Commercial Special Incentive	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Other	Internal Power Supplies	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00	1.00	1.00	1.00
Other	Master meter conversion	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other	Other uncategorized efficiency	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Other	Temporary measure code, to be reassigned						1.00	1.00													
Other	Transformer, efficient	0.89	0.89	0.98	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.99	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, air conditioner natural gas	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, cook stove natural gas	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, cook stove propane	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, custom fuel oil	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, custom kerosene	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, custom natural gas	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, custom number 6 oil	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, custom propane	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, custom wood	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, dryer natural gas	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.70	0.70	0.90	0.90	1.00	1.00	1.00	0.90	0.90	0.70
Other Fuel Switch	Fuel switch, dryer propane	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.70	0.70	0.90	0.90	1.00	1.00	1.00	0.90	0.90	0.70
Other Fuel Switch	Fuel switch, industrial process fuel oil	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, industrial process kerosene	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00

MEASURE CATEGORY	MEASURE DESCRIPTION	6012 BPUF	6012 CNIR	6013 CUST	6013 PRES	6013 UPST	6014 CUST	6014 PRES	6017 BPUF	6017 CUST	6017 PRES	6018 LINC	6019 MFNC	6020 CUST	6020 PRES	6032 EPEP	6032 UPST	6034 LISF	6036 HPES	6036 RETR	6038 VESH
Other Fuel Switch	Fuel switch, industrial process natural gas	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, industrial process number 6 oil	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, industrial process propane	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, industrial process wood	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, propane air conditioner propane	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Other Fuel Switch	Fuel switch, refrigerator natural gas	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	CEE Tier 2 refrigerator, early replacement	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	CEE Tier 2 refrigerator, incremental cost	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	CEE Tier 3 refrigerator, early replacement	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Commercial freezer	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	1.00	0.90	0.90	1.00
Refrigeration	Commercial icemaker	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	1.00	0.90	0.90	1.00
Refrigeration	Commercial refrigerator	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	1.00	0.90	0.90	1.00
Refrigeration	Custom refrigeration	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Defrost Control on Refrigeration	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00
Refrigeration	Efficient blower fan	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Refrigeration	Energy Star CEE Tier 1 refrigerator, incremental cost	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Energy Star CEE Tier 3 refrigerator, incremental cost	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Energy star freezer	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Energy star freezer, early replacement	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Energy star refrigerator	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Energy star refrigerator, early replacement	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Freezer early retirement program, secondary	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	0.81	1.00	1.00	0.90	0.90	1.00
Refrigeration	Improve refrigeration controls	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Plate cooler	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Refrigeration Commissioning	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Refrigeration	Refrigeration compressor	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Refrigeration compressor, discus	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	1.00	0.90	0.90	1.00
Refrigeration	Refrigeration compressor, scroll	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	1.00	0.90	0.90	1.00
Refrigeration	Refrigeration door heater controls	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Refrigeration fan motor controls	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	1.00	0.90	0.90	1.00
Refrigeration	Refrigeration floating head pressure controls	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	1.00	0.90	0.90	1.00
Refrigeration	Refrigeration zero energy doors	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Refrigerator covers	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	1.00	0.90	0.90	1.00
Refrigeration	Refrigerator Door Film	0.94	0.94	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Refrigerator early retirement program, secondary	0.89	0.89	0.94	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.90	0.90	0.72	1.00	1.00	0.90	0.90	1.00
Refrigeration	Refrigerator economizer	0.94	0.94	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	1.00	0.90	0.90	1.00
Refrigeration	Remove refrigerator/freezer	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Top-third refrigerator	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Refrigeration	Vending miser	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Service	Advance special incentive payment	0.89	0.89	0.95	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.98	1.02	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.02
Service	Appliance package bonus	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Service	Home energy rating	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Service	Home energy rating, as built (ABHER)	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Service	Home energy rating, full	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Service	Modular Home Thermal Bypass Inspection Incentive	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Service	Residential energy audit	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Service	Vermont Advantage rating (82.0-85.9)	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Service	Vermont Energy Star Home bonus	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Service	Vermont Star Home bonus	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Service	Vermont Star rating (86.0+)	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Service	Withheld special incentive payment	0.89	0.89	0.95	0.98	0.98	1.00	1.00	1.00	1.00	1.00	0.98	1.02	0.90	0.90	1.00	0.98	1.00	0.90	0.90	1.02
Space Heat Efficiency	Balance distribution	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Efficiency	BLPM Circulator Pump	1.00	1.00	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00

MEASURE CATEGORY	MEASURE DESCRIPTION	6012 BPUF	6012 CNIR	6013 CUST	6013 PRES	6013 UPST	6014 CUST	6014 PRES	6017 BPUF	6017 CUST	6017 PRES	6018 LINC	6019 MFNC	6020 CUST	6020 PRES	6032 EPEP	6032 UPST	6034 LISF	6036 HPES	6036 RETR	6038 VESH
Space Heat Efficiency	Clean and tune furnace/boiler	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Efficiency	Custom space heat efficiency	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Efficiency	Duct air sealing and insulation	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00
Space Heat Efficiency	Energy Star heating system	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Efficiency	Existing Homes Custom Incentive, TA, or Fee	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Space Heat Efficiency	Furnace fan motor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00
Space Heat Efficiency	Improved space heating controls	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.00
Space Heat Efficiency	Mutlizon heating controls	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Efficiency	Pipe insulation	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Efficiency	RNC Customer Incentive Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Space Heat Efficiency	Setback thermostat	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Efficiency	Setback thermostat, URF	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Efficiency	Space Heat Commissioning	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Space Heat Efficiency	VGS Base Rebate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Space Heat Efficiency	WEC Base Rebate	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Space Heat Fuel Switch	Biomass Fuel Switch	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Fuel switch, boiler, fuel oil	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Fuel switch, boiler, natural gas	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Fuel switch, boiler, propane	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Fuel switch, boiler, wood	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Fuel switch, furnace, fuel oil	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Fuel switch, furnace, natural gas	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Fuel switch, furnace, propane	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Fuel switch, furnace, wood	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Fuel switch, space heater, fuel oil	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Fuel switch, space heater, kerosene	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Fuel switch, space heater, natural gas	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Fuel switch, space heater, propane	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Fuel switch, space heater, wood	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Indirect heat from DHW system, fuel oil	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Indirect heat from DHW system, natural gas	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Fuel Switch	Indirect heat from DHW system, propane	0.79	0.79	0.84			0.85	0.85	1.00	1.00	1.00	1.00	0.50	0.85	0.85			1.00	0.80	0.80	
Space Heat Replacement	Replace boiler, fuel oil	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Replace boiler, natural gas	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Replace boiler, propane	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Replace boiler, wood	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Replace furnace, fuel oil	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Replace furnace, natural gas	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Replace furnace, propane	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Replace furnace, wood	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Replace space heater, fuel oil	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Replace space heater, kerosene	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Replace space heater, natural gas	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Replace space heater, propane	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Replace space heater, wood	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Space Heat Replacement Boiler, Kerosene URF	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Space Heat Replacement Boiler, Oil URF	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Space Heat Replacement Boiler, Propane URF	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Space Heat Replacement Furnace, Kerosene URF	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Space Heat Replacement Furnace, Oil URF	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Space Heat Replacement	Space Heat Replacement Furnace, Propane URF	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Thermal Shell	Airsealing	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Attic/ceiling/wall insulation	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.05

MEASURE CATEGORY	MEASURE DESCRIPTION	6012 BPUF	6012 CNIR	6013 CUST	6013 PRES	6013 UPST	6014 CUST	6014 PRES	6017 BPUF	6017 CUST	6017 PRES	6018 LINC	6019 MFNC	6020 CUST	6020 PRES	6032 EPEP	6032 UPST	6034 LISF	6036 HPES	6036 RETR	6038 VESH
Thermal Shell	Comprehensive heating system and shell improvements	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Comprehensive Thermal Measure REMRate Calculated Cooling	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Comprehensive Thermal Measure REMRate Calculated Heating	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Custom thermal shell	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Door improvements	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Energy code compliance	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Foundation insulation, exterior	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Foundation insulation, interior	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Insulate and airseal	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Passive solar design	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Rating based space heating savings, 0-60pts attached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Rating based space heating savings, 0-60pts detached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Rating based space heating savings, 61-80pts attached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Rating based space heating savings, 61-80pts detached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Rating based space heating savings, 81-85pts attached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Rating based space heating savings, 81-85pts detached	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Rating based space heating savings, 82 plus mixed	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Rating based space heating savings, 82 plus multi	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Rating based space heating savings, 86 plus mixed	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Rating based space heating savings, 86 plus multi	0.89	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Vermont Advantage home (OBSOLETE)	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Vermont Star home (OBSOLETE)	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Whole-building insulation	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Thermal Shell	Window improvements	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	Balanced ventilator, makeup heat electric	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	Balanced ventilator, makeup heat natural gas	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	Balanced ventilator, makeup heat none	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	Balanced ventilator, makeup heat oil	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	Balanced ventilator, makeup heat propane	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	Ceiling fan	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	Custom ventilation	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	Demand controlled ventilation	0.89	0.89	0.94	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	0.95	1.00	0.90	0.90	1.05
Ventilation	Exhaust fan, ceiling	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	Exhaust fan, inline	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	Exhaust fan, variable speed	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	Exhaust fan, wall	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	HRV ventilator, makeup heat electric	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	HRV ventilator, makeup heat natural gas	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	HRV ventilator, makeup heat none	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	HRV ventilator, makeup heat oil	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	HRV ventilator, makeup heat propane	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	Mechanical ventilation, unspecified	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.05
Ventilation	Ventilation Commissioning	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Water conservation	Custom water conservation	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Water conservation	Low flow toilet	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Water conservation	Toilet diverter	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00
Water conservation	Water leak reduction	0.89	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	0.90	1.00



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