



2011 Gross to Net Factors

April 1, 2012

128 Lakeside Avenue, Suite 401
Burlington, Vermont 05401
888-921-5990

www.encyvermont.com

GROSS TO NET 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 2011 by mutual agreement among Efficiency Vermont and the Vermont Department of Public Service. Free rider and spillover adjustments are applied based on the specific measure, market, and market sub-component. 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 unadjusted savings.

The column headings indicate the market and market sub-component as follows:

<u>Column</u>	<u>Market Component</u>
C&I RETR	Commercial & Industrial Retrofit
C&I PRES	Commercial & Industrial Prescriptive Equipment Replacement
C&I CUST	Commercial & Industrial Custom Equipment Replacement
C&I A250	Commercial & Industrial New Construction, Act 250
C&I NC	Commercial & Industrial New Construction, Non-Act 250
C&I UPST	Commercial & Industrial Upstream
C&I LPLUS	Commercial & Industrial Lighting Plus
FARM REPL	Farm Equipment Replacement
FARM NC	Farm New Construction
FARM PRES	Farm Prescriptive
MRMF RETR	Multifamily Market-Rate Retrofit
MRMF NC	Multifamily Market-Rate New Construction
LIMF RETR	Multifamily Low-Income Retrofit
LIMF REHB	Multifamily Low-Income Rehabilitation
LIMF NC	Multifamily Low-Income New Construction
EP ALL	Efficient Products
RNC ALL	Residential New Construction
EH RETR	Existing Homes Single-Family Retrofit
EH LISF	Existing Homes Single-Family Retrofit, Low Income

Gross to Net Factors

2011 Gross to Net Factors

Measure	C&I	C&I	C&I	C&I	C&I	C&I	C&I	C&I	FARM	FARM	FARM	MRFM	MRFM	MRFM	LIMF	LIMF	LIMF	LIMF	EP	RNC	REB	REB	
	RETR	PRES	CUST	A250	NC	UPST	LPLUS	REPL	NC	PRES	RETR	NC	RETR	NC	RETR	REHB	NC	ALL	ALL	ALL	RETR	LISF	
Category: Air Conditioning Efficiency																							
Ductless Mini Split	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Package terminal air conditioner	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Unitary air conditioning system	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
AC, Cool Choice tier 1 0-65 KBTU/hr	0.94	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
AC, Cool Choice tier 1 65-135 KBTU/hr	0.94	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
AC, Cool Choice tier 1 135-375 KBTU/hr	0.94	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
AC, Cool Choice tier 2 0-65 KBTU/hr	0.94	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
AC, Cool Choice tier 2 65-135 KBTU/hr	0.94	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
AC, Cool Choice tier 2 135-375 KBTU/hr	0.94	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Package terminal heat pump, Cool Choice tier 1	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Water chilling system	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Space Cooling Commissioning	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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
Improved air conditioning controls	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Heat pump, air, Cool Choice tier 1 0-65 KBTU/hr	0.94	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Heat pump, air, Cool Choice tier 1 65-135 KBTU/hr	0.94	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Heat pump, air, Cool Choice tier 1 135-375 KBTU/hr	0.94	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Heat pump, air, Cool Choice tier 2 0-65 KBTU/hr	0.94	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Heat pump, air, Cool Choice tier 2 65-135 KBTU/hr	0.94	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Heat pump, air, Cool Choice tier 2 135-375 KBTU/hr	0.94	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Package terminal AC, Cool Choice tier 1	0.99	1.10	1.04	0.95	1.00	1.10	0.98	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	1.00
Heat pump, water, Cool Choice tier 1 0-375 KBTU/hr	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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	1.00
Heat pump, water, Cool Choice tier 2 0-375 KBTU/hr	0.94	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Dehumidifier	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Energy Star central AC	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.05	1.00	1.00	1.00

Measure

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF ALL	EP ALL	RNC ALL	REB RETR	REB LISF		
Energy Star central AC, early replacement	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Energy Star room AC, early replacement	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Energy Star room AC	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Energy Star CEE Tier 1 AC, incremental	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Heat pump, air source	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Efficient Ground Source Heat Pump System	-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	-1.00	
Package terminal heat pump	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Room heat pump	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Heat pump, water source	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
HVAC economizer	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Building orientation change	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Rating based cooling savings, 81-85pts attached	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.05	1.00	0.90	1.00
Rating based cooling savings, 61-80pts attached	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.05	1.00	0.90	1.00
Rating based cooling savings, 0-60pts attached	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.05	1.00	0.90	1.00
Rating based cooling savings, 81-85pts detached	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.05	1.00	0.90	1.00
Rating based cooling savings, 61-80pts detached	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.05	1.00	0.90	1.00
Rating based cooling savings, 0-60pts detached	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.05	1.00	0.90	1.00
Rating based cooling savings, 82 plus multi	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.05	1.00	0.90	1.00
Rating based cooling savings, 86 plus multi	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.05	1.00	0.90	1.00
Rating based cooling savings, 82 plus mixed	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.05	1.00	0.90	1.00
Rating based cooling savings, 86 plus mixed	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.05	1.00	0.90	1.00
Proper sizing for HVAC	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Custom air conditioning	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00

Category: <unknown>:CEO>

Commercial Special Incentive -1.00

Measure

Category: Cooking and Laundry

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF ALL	EP ALL	RNC ALL	REB RETR	REB LISF		
CEE Tier 1 Dishwasher Compact	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Energy Star Dishwasher Compact	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Commercial efficient clothes washer	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	1.00	
Dryer usage reductions	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.95	1.00	1.00	1.00	1.15	0.95	0.95	0.90	0.90	1.00	
Energy Star dishwasher, early replacement	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Energy Star dishwasher	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Energy Star washer, early replacement	0.89	1.00	0.94	0.90	0.95	1.00	0.98	1.00	1.00	1.00	0.90	0.95	1.00	1.00	1.00	0.95	0.95	0.95	0.90	0.90	1.00	
Energy Star washer	0.89	1.00	0.94	0.90	0.95	1.00	0.98	1.00	1.00	1.00	0.90	1.15	1.00	1.00	1.00	1.15	1.15	1.15	0.90	0.90	1.00	
Energy Star Fryer	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	1.00	
Energy Star Griddle	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	1.00	
Energy Star Hot Food Holding Cabinet	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	1.00	
Energy Star Commercial Combination Oven	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	1.00	
Energy Star Commercial Convection Oven	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	1.00	
CEE Tier 1 Dishwasher Standard	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
CEE Tier 2 Dishwasher Standard	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Energy Star Dishwasher Standard	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Energy Star Steam Cooker	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	1.00	
Energy Star Clothes Washer CEE 2 Early Replacem	-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	-1.00	-1.00
CEE Tier 2 clothes washer	-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	-1.00	-1.00
Energy Star Clothes Washer CEE 3 Early Replacem	-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	-1.00	-1.00
CEE Tier 3 clothes washer	-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	-1.00	-1.00
Dryer duct improvement	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.90	1.00	1.00
Custom cooking/laundry	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00

Measure

Category: Compressed Air

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF ALL	RNC ALL	REB RETR	REB LISF	
Compressed air, air treatment	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Compressed Air Commissioning	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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, compressor	0.89	0.75	0.75	0.75	0.75	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Compressed air, demand controls	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Compressed air, distribution	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
CMPDRAIN																				
Compressed air, Air Dryer	0.89	0.50	0.50	0.50	0.50	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Compressed air, maintenance	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Compressed air, Air Nozzle	0.89	0.90	0.90	0.90	0.90	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Compressed air, Air Receiver	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Compressed air, supply controls	0.89	0.90	0.90	0.90	0.90	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Compressed air, Snowmaking distribution	0.90	0.90	0.90	0.90	0.90	0.90	0.98	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, Snowmaking efficiency	0.90	0.90	0.90	0.90	0.90	0.90	0.98	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, custom	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00

Category: <unknown:DHW>

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
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Category: Design Assistance

Design assistance, general	0.89	0.98	0.95	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.02	1.00	0.98	0.98	1.00	1.02	1.00	0.90	1.00
Comprehensive Building Commissioning	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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
Comprehensive building-wide savings	0.89	0.98	0.95	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.02	1.00	0.98	0.98	1.00	1.02	1.00	0.90	1.00
Core Performance Building	0.89	0.98	0.95	0.95	0.95	0.98	0.98	1.00	1.00	1.00	0.90	0.99	1.00	0.98	0.98	1.00	0.99	1.00	0.90	1.00

Category: <unknown:EHI>

Existing Homes Custom 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
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Measure

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF ALL	EP ALL	RNC ALL	REB RETR	REB LISF	
Category: Office Equipment																					
Efficient Computers/Monitors	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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	
Residential Entertainment Controlled Power Strip	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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	
Residential Office Controlled Power Strip	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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	
Server Virtualization	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	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
Computer monitor power management software	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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	
Efficient Televisions	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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	
Custom Office Equipment Efficiency	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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	
Category: Estimate																					
Estimated gross results	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Category: <unknown:ETI>																					
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	1.00	1.10	1.00	1.00	1.00	1.00	
Category: Event																					
Compressed Air Challenge	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Category: Health and Safety																					
Chimney liner	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Carbon monoxide detector	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Ventilation, health only	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.10	1.00	1.00	1.00	1.00	1.00	1.10	0.90	1.00	

Measure

Category: Hot Water Efficiency

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF ALL	RNC ALL	REB RETR	REB LISF	
Comprehensive hot water conservation	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Improve hot water controls	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
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
Faucet aerator/flow restrictor	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	0.90	0.90	0.90	1.00	1.00	1.00	0.90	1.00
Heat recovery, compressor	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Heat recovery, grey water	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Insulate hot water tank	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Low flow water fixtures, mixed types	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	0.90	0.90	0.90	1.00	1.00	1.00	0.90	1.00
Insulate hot water pipes	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Rating based hot water savings, 81-85pts attached	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based hot water savings, 61-80pts attached	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based hot water savings, 0-60pts attached	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based hot water savings, 81-85pts detached	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based hot water savings, 61-80pts detached	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based hot water savings, 0-60pts detached	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based hot water savings, 82 plus multi	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based hot water savings, 86 plus multi	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based hot water savings, 82 plus mixed	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based hot water savings, 86 plus mixed	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Low flow showerhead	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	0.90	0.90	0.90	1.00	1.00	1.00	0.90	1.00
Solar hot water heating	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Hot water temperature setback	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Waterbed pad	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Custom hot water efficiency	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00

Measure

Category: Hot Water Fuel Switch

Fuel switch hot water, continuous flow oil	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	1.00	1.00	1.00	1.00	1.00	1.00	0.80	1.00
Fuel switch hot water, continuous flow kerosene	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	1.00	1.00	1.00	1.00	1.00	1.00	0.80	1.00
Fuel switch hot water, continuous flow natural gas	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	1.00	1.00	1.00	1.00	1.00	1.00	0.80	1.00
Fuel switch hot water, continuous flow propane	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	1.00	1.00	1.00	1.00	1.00	1.00	0.80	1.00
Fuel switch hot water, indirect fired fuel oil	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	1.00	1.00	1.00	1.00	1.00	1.00	0.80	1.00
Fuel switch hot water, indirect fired natural gas	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	1.00	1.00	1.00	1.00	1.00	1.00	0.80	1.00
Fuel switch hot water, indirect fired propane	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	1.00	1.00	1.00	1.00	1.00	1.00	0.80	1.00
Fuel switch hot water, indirect fired wood	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	1.00	1.00	1.00	1.00	1.00	1.00	0.80	1.00
Fuel switch hot water, stand alone fuel oil	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	1.00	1.00	1.00	1.00	1.00	1.00	0.80	1.00
Fuel switch hot water, stand alone natural gas	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	1.00	1.00	1.00	1.00	1.00	1.00	0.50	1.00
Fuel switch hot water, stand alone propane	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	1.00	1.00	1.00	1.00	1.00	1.00	0.80	1.00
Fuel switch hot water, stand alone wood	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	1.00	1.00	1.00	1.00	1.00	1.00	0.80	1.00

Category: Hot Water Replacement

Replace hot water, continuous flow oil	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace hot water, continuous flow kerosene	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace hot water, continuous flow natural gas	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace hot water, continuous flow propane	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace hot water, indirect fired fuel oil	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace hot water, indirect fired natural gas	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace hot water, indirect fired propane	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace hot water, indirect fired wood	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace hot water, stand alone fuel oil	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace hot water, stand alone natural gas	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace hot water, stand alone propane	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace hot water, stand alone wood	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00

Measure

Category: Industrial Process Efficiency

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	EP ALL	RNC ALL	REB RETR	REB LISF
Industrial Process Efficient Chiller	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Industrial Process Commissioning	0.99	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Snowmaking Process Controls	0.90	0.90	0.90	0.90	0.90	0.90	0.98	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Efficient Snowmaking Guns, Other	0.80	0.80	0.80	0.80	0.80	0.80	0.98	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Efficient Snowmaking Fan Guns	0.80	0.80	0.80	0.80	0.80	0.80	0.98	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Efficient Snowmaking Ground Guns	0.80	0.80	0.80	0.80	0.80	0.80	0.98	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Injection Molding Machines	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Industrial Process Efficient Boiler	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Industrial Process Cooling Efficiency	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Industrial Process Heating Efficiency	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Rebuilt Snowmaking Guns	0.70	0.70	0.70	0.70	0.70	0.70	0.98	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Snowmaking process	0.90	0.90	0.90	0.90	0.90	0.90	0.98	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Efficient Snowmaking Tower Guns	0.80	0.80	0.80	0.80	0.80	0.80	0.98	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Snowmaking Water Distribution Efficiency	0.90	0.90	0.90	0.90	0.90	0.90	0.98	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Snowmaking Water Precooling	0.90	0.90	0.90	0.90	0.90	0.90	0.98	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Snowmaking Water Pump Rebuild	0.90	0.90	0.90	0.90	0.90	0.90	0.98	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Custom industrial process	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00

Measure

Category: Light Bulb/Lamp

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	EP ALL	RNC ALL	REB RETR	REB LISF
Compact fluorescent screw-base bulb	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.05	1.05	1.05	0.95	1.00	1.00	1.00	1.00	0.50	1.00	0.90	1.00
Compact fluorescent screw-base bulb Com	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.05	1.05	1.05	0.95	1.00	1.00	1.00	1.00	1.10	1.00	0.90	1.00
CFL - Commercial DI	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.05	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.10	1.00	0.90	1.00
Free CFL screw-base bulb	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.05	1.05	1.05	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Specialty Bulb	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.05	1.05	1.05	0.95	1.00	1.00	1.00	1.00	1.19	1.00	0.90	1.00
Floor lamp, compact fluorescent	0.94	1.05	1.02	0.95	1.00	1.05	0.98	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	0.96	1.00	0.90	1.00
Halogen IR	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Integrated Ballast Metal-halide	0.89	0.90	0.90	0.95	1.00	0.90	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Screw-Base Induction Fluorescent	0.89	0.90	0.90	0.95	1.00	0.90	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LED DOWN LIGHT	1.00	1.00	1.00	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	1.00
LED DOWN LIGHT	1.00	1.00	1.00	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	1.00
LED - SSL Directionals	1.00	1.00	1.00	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	1.00
Reduced Wattage CFL	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Reduced Wattage MH	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Reduced-Wattage T5 Lamp	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Reduced-Wattage T8 Lamp	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LED Screw Base Lamp	1.00	0.95	0.95	0.90	0.95	1.00	0.98	0.95	0.95	0.95	0.95	1.05	1.00	0.95	0.95	1.19	0.98	0.90	1.00
Table/Desk lamp, compact fluorescent	0.94	1.05	1.02	0.95	1.00	1.05	0.98	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	0.96	1.00	0.90	1.00
Torchiere, compact fluorescent	0.94	1.05	1.02	0.95	1.00	1.05	0.98	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	0.97	1.00	0.90	1.00
HPT8 - F32T8 Lamps	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LBLUPHIR	-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
Reduced-Wattage T8 - 1L	-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
Custom lamp or bulb	0.89	1.00	0.97	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00

Measure

Category: Lighting Efficiency/Controls

Lighting system, exterior power density reduction	0.89	0.98	0.97	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	1.00
Lighting system, interior power density reduction	0.89	0.98	0.97	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	1.00
Lighting System Commissioning	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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
Daylighting	0.89	0.98	0.97	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	1.00
Lighting design improvements	0.89	0.98	0.97	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	1.00
Dimming controls and ballasts	0.89	0.98	0.97	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	1.00
Delamping/fixture reduction	0.89	0.98	0.97	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	1.00
Exterior motion sensors	0.89	0.98	0.97	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	1.00
Occupancy sensors	0.89	0.98	0.97	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	1.00
Photocell switches	0.89	0.98	0.97	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	1.00
Lighting supplier compensation	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	0.96	1.00	0.90	0.90	1.05	0.96	0.90	0.90	1.00
Timer controls	0.89	0.98	0.97	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	1.00
2-way switching	0.89	0.98	0.97	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	1.00
Custom lighting efficiency	0.89	0.98	0.97	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.00	1.00	0.90	0.90	1.00	1.00	1.00	0.90	1.00

Measure

Category: Lighting Hardwired Fixture

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF NC	EP ALL	RNC ALL	REB RETR	REB LISF
LED 1x4 Recessed Light Fixture	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	0.98	0.90	1.00
LED 2x2 Recessed Light Fixture	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	0.98	0.90	1.00
LED 2x4 Recessed Light Fixture	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	0.98	0.90	1.00
Relamp/Reballast T8 to HPT8	1.13	1.15	1.14	0.95	1.00	1.15	0.97	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
Compact fluorescent exterior fixture	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	1.01	1.00	0.90	0.90	0.95	1.01	0.96	0.90	1.00
Compact Fluorescent farm fixture	0.94	0.90	0.94	0.95	1.00	0.90	0.98	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
Compact fluorescent interior fixture, ceiling fan	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	0.96	1.00	0.90	0.90	1.05	0.96	0.96	0.90	1.00
Compact fluorescent interior fixture	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	0.96	1.00	0.90	0.90	0.96	0.96	0.96	0.90	1.00
Compact fluorescent interior fixture, recessed can	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	0.96	1.00	0.90	0.90	1.05	0.96	0.96	0.90	1.00
Compact fluorescent interior fixture, surface mount	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	0.96	1.00	0.90	0.90	1.05	0.96	0.96	0.90	1.00
Relamp/reballast conversion existing fixture	0.76	0.70	0.69	0.95	1.00	0.70	0.75	1.00	1.00	1.00	0.90	0.96	1.00	0.90	0.90	1.05	0.96	0.96	0.90	1.00
Circline fluorescent fixture	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	0.96	1.00	0.90	0.90	1.05	0.96	0.96	0.90	1.00
LED Display Case Light Fixture (per foot)	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	0.98	0.90	0.90	1.00
LED Track or mono-point Light Fixture	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	0.90	1.00
Exit signs, LED	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	0.90	1.00	0.90	0.90	1.05	0.90	0.90	0.90	1.00
LED Freezer Case Light, Horizontal or Vertical (per f	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	0.98	0.90	0.90	1.00
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	1.00	1.00	1.00	1.00	1.00	1.00
Generic linear fluorescent tube fixture	0.89	0.70	0.69	0.95	1.00	0.70	0.98	1.00	1.00	1.00	0.90	0.96	1.00	0.90	0.90	1.05	0.96	0.96	0.90	1.00
LED High- and Low-Bay Fixtures	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.19	0.98	0.90	0.90	1.00
Electronic-Ballast HID	0.89	0.90	0.89	0.95	1.00	0.90	0.98	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
High pressure sodium fixture	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.05	0.98	0.90	0.90	1.00
Low pressure sodium fixture	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.05	0.98	0.90	0.90	1.00
Metal halide fixture normal start	0.87	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.05	0.98	0.90	0.90	1.00
Metal halide fixture pulse start	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.05	0.98	0.90	0.90	1.00
Metal halide track lighting	1.09	1.10	1.09	0.95	1.00	1.10	0.98	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
HID fixture, other	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.05	0.98	0.90	0.90	1.00
MH Electric Ballast	-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

Measure

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF NC	EP ALL	RNC ALL	REB RETR	REB LISF
High bay fluorescent fixture	1.09	1.10	1.09	0.95	1.00	1.10	0.98	1.10	1.10	1.10	0.90	0.86	1.00	0.90	0.90	1.05	0.86	0.90	0.90	1.00
Linear fluorescent T5	0.89	0.70	0.69	0.95	1.00	0.70	0.98	1.00	1.00	1.00	0.90	0.96	1.00	0.90	0.90	1.05	0.96	0.90	0.90	1.00
Linear fluorescent T8	0.78	0.50	0.49	0.45	0.50	0.50	0.79	1.00	1.00	1.00	0.90	0.86	1.00	0.90	0.90	0.00	0.86	0.90	0.90	1.00
Linear fluorescent T12	0.75	0.70	0.69	0.95	1.00	0.70	0.98	1.00	1.00	1.00	0.90	0.96	1.00	0.90	0.90	1.05	0.96	0.90	0.90	1.00
Linear fluorescent T8, low glare	0.89	0.70	0.69	0.95	1.00	0.70	0.98	1.00	1.00	1.00	0.90	0.96	1.00	0.90	0.90	1.05	0.96	0.90	0.90	1.00
Linear fluorescent T8, high efficiency	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	0.96	1.00	0.90	0.90	1.05	0.96	0.90	0.90	1.00
Linear fluorescent T8, indirect	0.89	0.70	0.69	0.95	1.00	0.70	0.98	1.00	1.00	1.00	0.90	0.96	1.00	0.90	0.90	1.05	0.96	0.90	0.90	1.00
Linear fluorescent T8, w/reflector	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	0.96	1.00	0.90	0.90	1.05	0.96	0.90	0.90	1.00
Linear fluorescent T8, super	0.86	1.15	1.14	0.95	1.00	1.15	0.98	1.00	1.00	1.00	0.90	0.86	1.00	0.90	0.90	1.05	0.86	0.90	0.90	1.00
LED Outdoor Bollard	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	0.90	1.00
LED Outdoor Decorative Pole/Arm Area or Roadway	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	0.90	1.00
LED Outdoor Pathway Lights	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	0.90	1.00
LED Outdoor Pole/Arm Area or Roadway Fixture	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	0.90	1.00
LED Outdoor Steplight	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	0.90	1.00
LED Wall-Mount Area Fixture (WallPack)	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	0.90	1.00
LED Parking Garage/Canopy Fixture	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	0.90	1.00
LED Portable Desk/Task Light	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	0.90	1.00
LED Refrigerated Case Lighting	1.00	1.00	1.00	0.95	1.00	1.00	0.75	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	0.90	1.00
LED Recessed Surface or Pendant Downlight Rx	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	0.90	1.00
LED Surface or Pendant Downlight	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.90	0.90	1.00
New T5 High-Bay	1.09	0.75	0.75	0.95	0.75	1.15	0.98	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
New T5 Indirect	0.79	1.15	1.14	0.95	1.00	1.15	0.98	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
New T5 Industrial/Strip	1.01	1.15	1.14	0.95	1.00	1.15	0.98	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
New T5 Troffer/Wrap	0.75	1.15	1.14	0.95	1.00	1.15	0.75	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
New T5 Vapor Proof	0.75	1.05	1.04	0.95	1.00	1.00	0.98	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
New Super T8 High-Bay	0.89	0.75	0.75	0.95	0.75	1.15	0.97	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
High Performance T8 Troffler	0.75	1.15	1.14	0.95	1.00	1.15	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	1.00
New Super T8 Indirect	0.75	1.15	1.14	0.95	1.00	1.15	0.98	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

Measure

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF ALL	EP ALL	RNC ALL	REB RETR	REB LISF	
New Super T8 Industrial/Strip	0.82	1.15	1.14	0.95	1.00	1.15	0.78	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
Relamp/Reballast to Super T8	0.75	0.75	0.75	0.95	0.75	1.07	0.88	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
New Super T8 Troffer/Wrap	0.83	1.15	1.14	0.95	1.00	1.15	0.80	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
New Super T8 Vapor Proof	0.80	1.05	1.04	0.95	1.00	1.00	0.87	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
2-D fluorescent fixture	0.89	1.00	0.97	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.96	1.00	0.90	0.90	1.05	0.96	0.96	0.90	1.00	1.00
Traffic signal, LED	0.67	0.67	0.67	0.67	0.67	0.67	0.98	1.00	1.00	1.00	0.67	0.86	1.00	0.90	0.90	1.00	0.86	0.86	0.90	1.00	1.00
LED UnderCabinet Shelf Task Light	0.75	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.98	0.90	1.00	1.00
U-Tube fluorescent fixture	0.89	0.70	0.69	0.95	1.00	0.70	0.98	1.00	1.00	1.00	0.90	0.96	1.00	0.90	0.90	1.05	0.96	0.96	0.90	1.00	1.00
LED Wall Wash Fixture	1.00	1.00	1.00	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.98	0.90	1.00	1.00
Miscellaneous LEDs	1.00	1.00	1.00	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.19	0.98	0.98	0.90	1.00	1.00
Other fixture	0.89	1.00	0.97	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.86	1.00	0.90	0.90	1.05	0.86	0.86	0.90	1.00	1.00

Category: Monitoring and Metering

Blueline Power Meter - Residential EPP

Category: Motor Controls

Motor Controls Commissioning

Dairy Milk Pump VFD

Kitchen Exhaust Hood Controls

Motor Control Commissioning - HVAC

Motor Timer Control - HVAC

Custom Motor Control - HVAC

Variable Frequency Drive, Industrial Process

Variable Frequency Drive, Non Process, Non-HVAC

Variable frequency drive motor control

Variable speed drive motor control (non-VFD)

Variable frequency drive, Snowmaking

Variable frequency drive, standardized

Motor timer control

Custom motor control

Blueline Power Meter - Residential EPP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	0.98	1.00	0.90	0.90	1.25	0.98	0.98	0.90	1.00	1.00
Motor Controls Commissioning	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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
Dairy Milk Pump VFD	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Kitchen Exhaust Hood Controls	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor Control Commissioning - HVAC	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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 Timer Control - HVAC	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Custom Motor Control - HVAC	0.89	1.00	0.97	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Variable Frequency Drive, Industrial Process	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Variable Frequency Drive, Non Process, Non-HVAC	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Variable frequency drive motor control	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Variable speed drive motor control (non-VFD)	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Variable frequency drive, Snowmaking	0.90	0.90	0.90	0.90	0.90	0.90	0.98	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	0.90
Variable frequency drive, standardized	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor timer control	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Custom motor control	0.89	1.00	0.97	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00

Measure

Category: Motors

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF ALL	RNC ALL	REB RETR	REB LISF		
Motor, ODP 1 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 2 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 3 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 5 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 10 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 15 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 1.5 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 20 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 25 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 30 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 40 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 50 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 60 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 75 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 7.5 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 100 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 125 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 150 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, ODP 200 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Custom Motor - HVAC	0.89	0.98	0.97	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, Pool Pump	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, Pool Pump Timer	-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	-1.00
Custom Snowmaking motor efficiency	0.90	0.90	0.90	0.90	0.90	0.90	0.98	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	0.90
Motor, TEFC 1 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, TEFC 2 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, TEFC 3 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	
Motor, TEFC 5 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	

Measure

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	EP ALL	RNC ALL	REB RETR	REB LISF
Motor, TEFC 10 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor, TEFC 15 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor, TEFC 1.5 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor, TEFC 20 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor, TEFC 25 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor, TEFC 30 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor, TEFC 40 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor, TEFC 50 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor, TEFC 60 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor, TEFC 75 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor, TEFC 7.5 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor, TEFC 100 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor, TEFC 125 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor, TEFC 150 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Motor, TEFC 200 HP	0.89	0.90	0.89	0.95	1.00	0.90	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Custom motor	0.89	0.98	0.97	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00

Measure

Category: Other Fuel Switch

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	EP ALL	RNC ALL	REB RETR	REB LISF	
Fuel switch, air conditioner natural gas	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, propane air conditioner propane	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, industrial process fuel oil	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, industrial process kerosene	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, industrial process natural gas	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, industrial process number 6 oil	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, industrial process propane	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, industrial process wood	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, refrigerator natural gas	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, cook stove natural gas	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, cook stove propane	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, dryer natural gas	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, dryer propane	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, custom fuel oil	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, custom kerosene	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, custom natural gas	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, custom number 6 oil	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, custom propane	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Fuel switch, custom wood	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00

Measure

Category: Refrigeration

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF ALL	EP ALL	RNC ALL	REB RETR	REB LISF	
Efficient blower fan	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Refrigeration compressor, discus	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Refrigeration compressor, scroll	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Commercial freezer	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Commercial icemaker	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Refrigeration Commissioning	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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 compressor	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Commercial refrigerator	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Improve refrigeration controls	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Refrigerator covers	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Refrigeration door heater controls	0.94	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Refrigerator Door Film	0.94	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Refrigeration zero energy doors	0.94	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Energy star freezer	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Energy star freezer, early replacement	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Energy star refrigerator, early replacement	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Energy star refrigerator	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Energy Star CEE Tier 1 refrigerator, incremental cos	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	1.00	1.00	0.90	0.90	0.90	1.00
CEE Tier 2 refrigerator, incremental cost	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	1.00	1.00	0.90	0.90	0.90	1.00
Energy Star CEE Tier 3 refrigerator, incremental cos	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00	1.00	1.00	0.90	0.90	0.90	1.00
Freezer early retirement program, secondary	0.89	1.00	0.94	0.85	0.90	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.90	1.00
Refrigeration floating head pressure controls	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Refrigeration fan motor controls	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Defrost Control on Refrigeration	0.94	0.95	0.94	0.95	1.00	0.95	0.98	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
Refrigerator economizer	0.94	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Plate cooler	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Remove refrigerator/freezer	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00

Measure

Category: Space Heat Fuel Switch

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF ALL	EP ALL	RNC ALL	REB RETR	REB LISF	
Biomass Fuel Switch	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Fuel switch, boiler, fuel oil	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Fuel switch, boiler, natural gas	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Fuel switch, boiler, propane	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Fuel switch, boiler, wood	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Fuel switch, furnace, fuel oil	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Fuel switch, furnace, natural gas	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Fuel switch, furnace, propane	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Fuel switch, furnace, wood	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Fuel switch, space heater, fuel oil	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Fuel switch, space heater, kerosene	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Fuel switch, space heater, natural gas	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Fuel switch, space heater, propane	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Fuel switch, space heater, wood	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Indirect heat from DHW system, fuel oil	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Indirect heat from DHW system, natural gas	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00
Indirect heat from DHW system, propane	0.79	0.00	0.84	0.81	0.80	0.00	0.98	0.85	0.85	0.85	0.85	0.50	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.80	1.00

Measure

Category: Space Heat Replacement

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF ALL	RNC ALL	REB RETR	REB LISF	
Replace boiler, fuel oil	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Space Heat Replacement Boiler, Oil URF	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Space Heat Replacement Boiler, Kerosene URF	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace boiler, natural gas	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace boiler, propane	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Space Heat Replacement Boiler, Propane URF	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace boiler, wood	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace furnace, fuel oil	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Space Heat Replacement Furnace, Oil URF	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Space Heat Replacement Furnace, Kerosene URF	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace furnace, natural gas	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace furnace, propane	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Space Heat Replacement Furnace, Propane URF	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace furnace, wood	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace space heater, fuel oil	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace space heater, kerosene	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace space heater, natural gas	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace space heater, propane	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Replace space heater, wood	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00

Measure

Category: Service

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF ALL	RNC ALL	REB RETR	REB LISF	
Residential energy audit	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Appliance package bonus	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Vermont Star Home bonus	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Vermont Energy Star Home bonus	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Modular Home Thermal Bypass Inspection Incentiv	-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
Home energy rating, as built (ABHER)	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Home energy rating, full	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Home energy rating	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Vermont Advantage rating (82.0-85.9)	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Vermont Star rating (86.0+)	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Advance special incentive payment	0.89	0.98	0.95	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.02	1.00	0.98	0.98	1.00	1.02	1.00	0.90	1.00
Withheld special incentive payment	0.89	0.98	0.95	0.95	1.00	0.98	0.98	1.00	1.00	1.00	0.90	1.02	1.00	0.98	0.98	1.00	1.02	1.00	0.90	1.00

Measure

Category: Thermal Shell

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF ALL	EP ALL	RNC ALL	REB RETR	REB LISF	
Airsealing	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Energy code compliance	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Comprehensive heating system and shell improvem	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Door improvements	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Attic/ceiling/wall insulation	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Insulate and airseal	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Whole-building insulation	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Foundation insulation, exterior	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Foundation insulation, interior	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Passive solar design	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based space heating savings, 81-85pts attac	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based space heating savings, 61-80pts attac	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based space heating savings, 0-60pts attac	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based space heating savings, 81-85pts detac	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based space heating savings, 61-80pts detac	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based space heating savings, 0-60pts detac	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based space heating savings, 82 plus multi	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based space heating savings, 86 plus multi	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based space heating savings, 82 plus mixed	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Rating based space heating savings, 86 plus mixed	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Vermont Star home (OBSOLETE)	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Vermont Advantage home (OBSOLETE)	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Window improvements	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00
Custom thermal shell	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00

Measure

Category: Ventilation

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	LIMF ALL	EP ALL	RNC ALL	REB RETR	REB LISF		
Balanced ventilator, makeup heat electric	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
Balanced ventilator, makeup heat oil	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
Balanced ventilator, makeup heat natural gas	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
Balanced ventilator, makeup heat none	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
Balanced ventilator, makeup heat propane	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
Ceiling fan	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
Ventilation Commissioning	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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
Demand controlled ventilation	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
HRV ventilator, makeup heat electric	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
HRV ventilator, makeup heat oil	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
HRV ventilator, makeup heat natural gas	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
HRV ventilator, makeup heat none	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
HRV ventilator, makeup heat propane	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
Mechanical ventilation, unspecified	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
Exhaust fan, ceiling	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	0.90	1.00	1.05	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
Exhaust fan, inline	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
Exhaust fan, variable speed	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
Exhaust fan, wall	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	
Custom ventilation	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.05	1.00	1.00	1.00	1.00	1.00	1.05	1.05	0.90	1.00	

Category: Water conservation

Dual Flush Toilet	-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	-1.00	-1.00
Toilet diverter	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00
Water leak reduction	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00
Low flow toilet	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00
Custom water conservation	0.89	1.00	0.94	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00	1.00

Measure

Category: Other

	C&I RETR	C&I PRES	C&I CUST	C&I A250	C&I NC	C&I UPST	C&I LPLUS	FARM REPL	FARM NC	FARM PRES	MRFM RETR	MRFM NC	LIMF RETR	LIMF REHB	LIMF NC	EP ALL	RNC ALL	REB RETR	REB LISF	
Block Heater Timer	0.89	0.95	0.94	0.95	1.00	0.95	0.98	1.05	1.05	1.05	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Master meter conversion	0.89	1.00	0.99	0.95	1.00	1.00	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Temporary measure code, to be reassigned	0.00	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Transformer, efficient	0.89	0.99	0.98	0.95	1.00	0.99	0.98	1.00	1.00	1.00	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90	1.00
Other uncategorized efficiency	0.99	1.00	0.99	0.95	1.00	1.00	0.98	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



128 Lakeside Avenue, Suite 401
Burlington, Vermont 05401
888-921-5990

www.encyvermont.com