

Efficiency Vermont

GROSS-TO-NET FACTORS

NOVEMBER 8, 2016

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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 2015 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
14.80%	12.30%	15%	11.90%	11.30%	11.20%

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
6015CC	Customer Credit
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
6020BPUF	Multifamily Building Performance Retrofit
6020CUST	Multifamily Market-Rate Custom Retrofit
6020PRES	Multifamily Market-Rate Prescriptive Equipment Replacement
6032EPEP	Efficient Products
6032LIEP	Efficient Products, Low-Income
6032UPST	Residential Upstream
6034LISF	Single Family Low-Income Retrofit
6036HPES	Single Family Market-Rate Home Performance Retrofit
6036RETR	Single Family Market-Rate Retrofit
6038VESH	Single Family Market-Rate New Construction
6041LINC	Single Family Low Income New Construction

MeasureCode	ProductDescription	6012BPUF	6012CNIR	6013CUST	6013PRES	6013UPST	6014CUST	6014PRES	6015CC	6017BPUF	6017CUST	6017PRES	6018LINC	6019MFCN	6020BPUF	6020CUST	6020PRES	6032EPEP	6032LIEP	6032UPST	6034LISF	6036HPES	6036RETR	6038VESH	6041LINC
BEHSHECS	Behavior Change - Control Setting Changes - Space Heating	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BEHSHEOF	Behavior Change - Turning Off - Space Heating	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BEHVNTAE	Behavior Change - Using Alternative Equipment - Ventilation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BEHVNTCS	Behavior Change - Control Setting Changes - Ventilation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BEHVNTOF	Behavior Change - Turning Off - Ventilation	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BEHZZZAE	Behavior Change - Using Alternative Equipment - Other	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BEHZZZCS	Behavior Change - Control Setting Changes - Other	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BEHZZZOF	Behavior Change - Turning Off - Other	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CEOINCENT	Commercial Special Incentive	1	1	1	1	1	0.95	0.95	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CKLC1DRP	CEE Tier 1 Dishwasher Compact	0.89	0.89	0.94	1	1	0.95	0.95	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CKLC2WRP	Energy Star clothes washer CEE Tier 2	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	0.5	0.5	0.5	1	0.9	0.9	1.15	1.15
CKLC3WRP	Energy Star clothes washer CEE Tier 3	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.15	1.15
CKLCEDRP	Energy Star Dishwasher Compact	0.89	0.89	0.94	1	1	0.95	0.95	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CKLCWASH	Commercial efficient clothes washer	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	1	1	1	1	0.9	0.9	0.95	0.95
CKLDYRED	Dryer usage reductions	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	0.95	0.95	0.95	1	0.9	0.9	0.95	0.95
CKLESDER	Energy Star dishwasher, early replacement	0.89	0.89	0.94	1	1	0.95	0.95	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CKLESDRP	Energy Star dishwasher	0.89	0.89	0.94	1	1	0.95	0.95	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CKLESDRY	ENERGY STAR Clothes Dryer	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
CKLESETA	Energy Star Clothes Dryer (Emerging Technology Award)	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1.2	1.2	1.2	1	0.9	0.9	1.05	1.05
CKLESWER	Energy Star washer, early replacement	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	0.95	0.95	0.95	1	0.9	0.9	0.95	0.95
CKLESWRP	Energy Star washer	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	0.5	0.5	0.5	1	0.9	0.9	1.15	1.15
CKLFRYER	Energy Star Fryer	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	1	1	1	1	0.9	0.9	0.95	0.95
CKLGRIDL	Energy Star Griddle	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	1	1	1	1	0.9	0.9	0.95	0.95
CKLHFOOD	Energy Star Hot Food Holding Cabinet	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	1	1	1	1	0.9	0.9	0.95	0.95
CKLMEWER	Residential ENERGY STAR Most Efficient clothes washer retrofit	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1.15	0.9	0.9	0.9	1.15	1.15	1.15	1	0.9	0.9	1.15	1.15
CKLMEWRP	Residential Energy Efficient clothes washer (ESTAR Most Eff)	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	1.15	1.15	1.15	1	0.9	0.9	1.15	1.15
CKLOCOMB	Energy Star Commercial Combination Oven	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	1	1	1	1	0.9	0.9	0.95	0.95
CKLOCONV	Energy Star Commercial Convection Oven	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	1	1	1	1	0.9	0.9	0.95	0.95
CKLS1DRP	CEE Tier 1 Dishwasher Standard	0.89	0.89	0.94	1	1	0.95	0.95	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CKLS2DRP	CEE Tier 2 Dishwasher Standard	0.89	0.89	0.94	1	1	0.95	0.95	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CKLSEDRP	Energy Star Dishwasher Standard	0.89	0.89	0.94	1	1	0.95	0.95	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CKLSTEAM	Energy Star Steam Cooker	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	1	1	1	1	0.9	0.9	0.95	0.95
CKLT2WER	Energy Star Clothes Washer CEE 2 Early Replacement	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1.15	0.9	0.9	0.9	1.15	1.15	1.15	1	0.9	0.9	1.15	1.15
CKLT3WER	Energy Star Clothes Washer CEE 3 Early Replacement	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1.15	0.9	0.9	0.9	1.15	1.15	1.15	1	0.9	0.9	1.15	1.15
CKLTTWER	Residential Top Ten clothes washer retrofit	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1.15	0.9	0.9	0.9	1.15	1.15	1.15	1	0.9	0.9	1.15	1.15
CKLTTWRP	Residential Energy Efficient clothes washer (Top Ten)	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	1.15	1.15	1.15	1	0.9	0.9	1.15	1.15
CKLYDUCT	Dryer duct improvement	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	0.95	0.9	0.9	0.9	1	1	1	1	0.9	0.9	0.95	0.95
CKLZZZZ	Custom cooking/laundry	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CMFPAIRTR	Compressed air, air treatment	0.89	0.89	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CMPCOMMI	Compressed Air Commissioning	0.99	0.99	0.99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CMPCOMPR	Compressed air, compressor	0.89	0.89	0.75	0.75	0.95	0.8	0.8	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CMPCONT	Compressed air, demand controls	0.89	0.89	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CMPDISTR	Compressed air, distribution	0.89	0.89	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CMPDRAIN	Compressed Air, No Loss Condensate Drain	0.89	0.89	0.95	0.95	0.95	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CMFDRYER	Compressed air, Air Dryer	0.89	0.89	0.5	0.5	0.95	0.55	0.55	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CMFMAINT	Compressed air, maintenance	0.89	0.89	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CMFNOZZL	Compressed air, Air Nozzle	0.89	0.89	0.9	0.9	0.95	0.95	0.95	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CMFRCVTR	Compressed air, Air Receiver	0.89	0.89	0.9	0.9	0.95	0.95	0.95	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CMFSCONT	Compressed air, supply controls	0.89	0.89	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
CMFSPNOWD	Compressed air, Snowmaking distribution	0.9	0.9	0.9	0.9	0.95	0.95	0.95	1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
CMFSPNOWE	Compressed air, Snowmaking efficiency	0.9	0.9	0.9	0.9	0.95	0.95	0.95	1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
CMFZZZZ	Compressed air, custom	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
DHWDDUMMY	URF Dummy Measure	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DSNASIST	Design assistance, general	0.89	0.89	0.95	0.98	0.98	1	1	1	1	1	1	0.98	1.02	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.02	1.02
DSNCOMMI	Comprehensive Building Commissioning	0.99	0.99	0.99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DSNCOMPR	Comprehensive building-wide savings	0.89	0.89	0.95	0.98	0.98	1	1	1	1	1	1	0.98	1.02	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.02	1.02
DSNCOREP	Core Performance Building	0.89	0.89	0.95	0.98	0.98	1	1	1	1	1	1	0.98	0.99	0.9	0.9	0.9	1	1	1	1	0.9	0.9	0.99	0.99
EHINCENT	Existing Homes Custom Incentive, TA, or Fee	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EQPBHTIM	Block Heater Timer	0.89	0.89	0.94	1.05	0.95	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
EQPCMPTR	Efficient Computers/Monitors	0.99	0.99	0.99	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7	0.7	0.7	1	1	1	1	1
EQPPWCOF	Commercial Office Controlled Power Strip	0.99	0.99	0.99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EQPPWREC	Residential Entertainment Controlled Power Strip	0.99	0.99	0.99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EQPPWREK	EE-KIT Smart Power Strip	0.99	0.99	0.99	1	1	1																		

MeasureCode	ProductDescription	6012BPUF	6012CNIR	6013CUST	6013PRES	6013UPST	6014CUST	6014PRES	6015CC	6017BPUF	6017CUST	6017PRES	6018LINC	6019MFCN	6020BPUF	6020CUST	6020PRES	6032EPEP	6032LIEP	6032UPST	6034LISF	6036HPES	6036RETR	6038VESH	6041LINC	
HWECONTR	Improve hot water controls	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWEDRAIN	Drain Water Heat Recovery	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWEDWWHR	Drain Water Waste Heat Recovery	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWFAUCT	Faucet aerator/flow restrictor	0.89	0.89	0.94	1	1	1	1	1	0.9	0.9	0.9	0.9	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWEHRCMP	Heat recovery, compressor	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWEHRGRY	Heat recovery, grey water	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWEHWHTP	Heat Pump Water Heater	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1.1	1.1	1.1	1	0.9	0.9	1	1	
HWEINSUL	Insulate hot water tank	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWELWFLL	Low flow water fixtures, mixed types	0.89	0.89	0.99	0.95	1	1	1	1	0.9	0.9	0.9	0.9	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWEPPIPES	Insulate hot water pipes	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWERATA1	Rating based hot water savings, 81-85pts attached	0.89	0.89	0.99	0.95	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05	
HWERATA2	Rating based hot water savings, 61-80pts attached	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05	
HWERATA3	Rating based hot water savings, 0-60pts attached	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05	
HWERATD1	Rating based hot water savings, 81-85pts detached	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05	
HWERATD2	Rating based hot water savings, 61-80pts detached	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05	
HWERATD3	Rating based hot water savings, 0-60pts detached	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05	
HWERATM1	Rating based hot water savings, 82 plus multi	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05	
HWERATM2	Rating based hot water savings, 86 plus multi	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05	
HWERATVA	Rating based hot water savings, 82 plus mixed	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05	
HWERATVS	Rating based hot water savings, 86 plus mixed	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05	
HWERECIN	Domestic Hot Water Recirculation Pipe	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWESHOWR	Low flow showerhead	0.89	0.89	0.94	1	1	1	1	1	0.9	0.9	0.9	0.9	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWESOLAR	Solar hot water heating	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWESPRAV	Low flow Pre-Rinse Spray Valve	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWETEMPS	Hot water temperature setback	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWEWBPAD	Waterbed pad	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWEEZZZZ	Custom hot water efficiency	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
HWFCFOIL	Fuel switch hot water, continuous flow oil	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFCKERO	Fuel switch hot water, continuous flow kerosene	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFCNGAS	Fuel switch hot water, continuous flow natural gas	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFCPROP	Fuel switch hot water, continuous flow propane	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDCKER	DHW Displaced load - Kerosene continuous flow	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDCNGA	DHW Displaced load - Natural Gas continuous flow	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDCOIL	DHW Displaced load - Oil continuous flow	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDCPRO	DHW Displaced load - Propane continuous flow	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDELEC	DHW Displaced load - Electric	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDNNGA	DHW Displaced load - Natural Gas indirect-fired	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDNOIL	DHW Displaced load - Oil indirect-fired	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDNPRO	DHW Displaced load - Propane indirect-fired	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDNWDC	DHW Displaced load - Wood indirect-fired	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDNWDP	DHW Displaced load - Wood pellet indirect-fired	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDSNGA	DHW Displaced load - Natural Gas stand alone	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDSOIL	DHW Displaced load - Oil stand alone	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDSPRO	DHW Displaced load - Propane stand alone	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDSWDC	DHW Displaced load - Wood stand alone	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFDSWPC	DHW Displaced load - Wood pellet stand alone	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFNFOIL	Fuel switch hot water, indirect fired fuel oil	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFNNGAS	Fuel switch hot water, indirect fired natural gas	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFNPROP	Fuel switch hot water, indirect fired propane	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFNWOOD	Fuel switch hot water, indirect fired wood	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFSFOIL	Fuel switch hot water, stand alone fuel oil	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.8	0.8	0	0
HWFSNGAS	Fuel switch hot water, stand alone natural gas	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.85	0.85	0.85	0.85	0	0	0	0	1	0.5	0.5	0	0
HWFSPROP	Fuel switch hot water, stand alone propane	0.79	0.79	0.84	0	0																				

MeasureCode	ProductDescription	6012BPUF	6012CNIR	6013CUST	6013PRES	6013UPST	6014CUST	6014PRES	6015CC	6017BPUF	6017CUST	6017PRES	6018LINC	6019MFC	6020BPUF	6020CUST	6020PRES	6032EPEP	6032LIEP	6032UPST	6034USF	6036HPS	6036RETR	6038VESH	6041LINC
INDSNOWM	Snowmaking process	0.9	0.9	0.9	0.9	0.9	0.95	0.95	1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
INDTGUNS	Efficient Snowmaking Tower Guns	0.8	0.8	0.8	0.8	0.8	0.85	0.85	1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
INDWATER	Snowmaking Water Distribution Efficiency	0.9	0.9	0.9	0.9	0.9	0.95	0.95	1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
INDWCOOL	Snowmaking Water Precooling	0.9	0.9	0.9	0.9	0.9	0.95	0.95	1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
INDWPUMP	Snowmaking Water Pump Rebuild	0.9	0.9	0.9	0.9	0.9	0.95	0.95	1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
INDZZZZ	Custom industrial process	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1
LBL2TLED	LED 2' Linear Replacement Lamp	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99	1	0.9	0.9	0.98	0.98
LBL4TLED	LED 4' Linear Replacement Lamp	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99	1	0.9	0.9	0.98	0.98
LBLCFBLB	Compact fluorescent screw-base bulb	0.4	0.4	0.4	0.4	0.4	1	1	1	1	1	1	1	1	0.95	0.95	0.95	0.4	0.4	0.4	1	0.9	0.9	1	1
LBLCFBLH	Compact fluorescent screw-base bulb - Hard to Reach	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.95	0.95	0.95	0.7	0.7	0.7	1	1	1	1	1
LBLCFCOM	Compact fluorescent screw-base bulb Com	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.95	0.95	0.95	0.6	0.6	0.6	1	0.9	0.9	1	1
LBLCFDIC	CFL - Commercial DI	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.95	0.95	0.95	1.1	1.1	1.1	1	0.9	0.9	1	1
LBLCFFRE	Free CFL screw-base bulb	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.95	0.95	0.95	1	1	1	1	1	1	1	1
LBLCFSPC	Specialty Compact Fluorescent Bulb	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.95	0.95	0.95	0.6	0.6	0.6	1	0.9	0.9	1	1
LBLCFSPD	Compact Fluorescent - Specialty Bulb - Direct Install	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	1	1	1	0.94	0.94	0.94	1	0.9	0.9	1	1
LBLCFSPH	CFL - Specialty Bulb - Hard to Reach	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	1	1	1	1
LBLFLOR	Floor lamp, compact fluorescent	0.94	0.94	1.02	1.05	1.05	1	1	1	1	1	1	1	1	0.95	0.95	0.95	0.4	0.4	0.4	1	0.9	0.9	1	1
LBLHALUR	Halogen IR	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LBLHBMH	Integrated Ballast Metal-halide	0.89	0.89	0.9	0.9	0.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LBLINDFL	Screw-Base Induction Fluorescent	0.89	0.89	0.9	0.9	0.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LBLLEDCO	LED DOWN LIGHT	1	1	1	1	0.9	1	1	1	1	1	1	0.9	0.98	0.9	0.9	0.9	1.19	1.19	1.19	1	0.9	0.9	0.98	0.98
LBLLEDRE	LED DOWN LIGHT	1	1	1	1	0.9	1	1	1	1	1	1	0.9	0.98	0.9	0.9	0.9	1.19	1.19	1.19	1	0.9	0.9	0.98	0.98
LBLLEDSC	LED Screw Base Lamp	1	1	1	1	0.9	1	1	1	1	1	1	0.9	0.98	0.9	0.9	0.9	1.19	1.19	1.19	1	0.9	0.9	0.98	0.98
LBLRWLCF	Reduced Wattage CFL	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LBLRWLMH	Reduced Wattage MH	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LBLRWLTS	Reduced-Wattage T5 Lamp	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LBLRWLTS	Reduced-Wattage T8 Lamp	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LBLSLED	LED Screw Base Lamp	1	1	0.95	0.95	1	1	1	1	1	1	1	0.95	1.05	0.95	0.95	1.19	1.19	1.19	1	0.9	0.9	0.98	0.98	1
LBLSLED	LED Smartlight Commercial	0.95	0.95	0.95	0.95	1	1	1	1	1	1	1	0.95	0.95	0.95	0.95	1	1	1	1	1	1	1	1	1
LBLSRLED	LED Smartlight Residential	0.95	0.95	0.95	0.95	1	1	1	1	1	1	1	0.95	0.95	0.95	0.95	1	1	1	1	1	1	1	1	1
LBLTABLE	Table/Desk lamp, compact fluorescent	0.94	0.94	1.02	1.05	1.05	1	1	1	1	1	1	1	1	0.95	0.95	0.95	0.4	0.4	0.4	1	0.9	0.9	1	1
BLTORCH	Torchiere, compact fluorescent	0.94	0.94	1.02	1.05	1.05	1	1	1	1	1	1	1	1	0.95	0.95	0.95	0.97	0.97	0.97	1	0.9	0.9	1	1
LBLUHPT8	HPT8 - F32T8 Lamps	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LBLUPHIR	Upstream - Halogen IR	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LBLURWT8	Reduced-Wattage T8 - 1L	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LBLZZZZ	Custom lamp or bulb	0.89	0.89	0.97	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
LECACEXT	Lighting system, exterior power density reduction	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1	1
LECACINT	Lighting system, interior power density reduction	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1	1
LECCOMMI	Lighting System Commissioning	0.99	0.99	0.99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LECDAYLT	Daylighting	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1	1
LECDSEGN	Lighting design improvements	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1	1
LECDIMMR	Dimming controls and ballasts	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1	1
LECDLAMP	Delamping/fixture reduction	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1	1
LECMOTNX	Exterior motion sensors	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1.1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1.1	1.1
LECOCCDL	Fixture-Mounted Dual Occupancy & Daylight Sensor	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1	1
LECOCCEX	Exterior Occupancy Sensors	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1	1
LECOCCFR	Freezer Case Controls	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1	1
LECOCCRE	Refrigerator Case Controls	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1	1
LECOCCUP	Occupancy sensors	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1	1
LECPHOTO	Photoell switches	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1	1
LECSPIFF	Lighting supplier compensation	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	0.9	0.96	0.95	0.95	0.95	1.05	1.05	1.05	1	0.9	0.9	0.96	0.96	1
LECTIMER	Timer controls	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1	1
LECTUWAY	2-way switching	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9	1	1
LECZZZZ	Custom lighting efficiency	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	0.9	1	0.9	0.9	0.9	1	1	1	1	1	0.9	0.9</		

MeasureCode	ProductDescription	6012BPUF	6012CNIR	6013CUST	6013PRES	6013UPST	6014CUST	6014PRES	6015CC	6017BPUF	6017CUST	6017PRES	6018LINC	6019MFC	6020BPUF	6020CUST	6020PRES	6032EPEP	6032LIEP	6032UPST	6034LSF	6036HPES	6036RETR	6038VESH	6041LINC
LFHDMHT	Metal halide track lighting	1.09	1.09	1.09	1.1	1.1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LFHDZZZ	HID fixture, other	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	0.9	0.98	0.9	0.9	0.9	1.05	1.05	1.05	1	0.9	0.9	0.98	0.98
LFHHIBAY	High bay fluorescent fixture	1	1	1.09	1.1	1.1	1	1	1	1	1	1	0.9	0.86	0.9	0.9	0.9	1.05	1.05	1.05	1	0.9	0.9	0.86	0.86
LFHLEDIN	LED Indoor Fixture	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.98	0.98
LFHLEDOU	LED Outdoor Fixture - Residential EPP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.98	0.98
LFHLEDSO	SMARTLIGHT LED Downlight Fixture (ENERGY STAR)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.98	0.98
LFHLEDTU	LED Task/Under cabinet Fixture - Residential EPP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.98	0.98
LFHFLT05	Linear fluorescent T5	1.14	1.14	1.14	1.15	1.1	1	1	1	1	1	1	0.9	0.96	0.9	0.9	0.9	1.05	1.05	1.05	1	0.9	0.9	0.96	0.96
LFHFLT08	Linear fluorescent T8	0.79	0.79	0.49	0.5	0.5	0.55	0.55	1	1	1	1	0.9	0.86	0.9	0.9	0.9	0	0	0	1	0.9	0.9	0.86	0.86
LFHFLT12	Linear fluorescent T12	0.75	0.75	0.69	0.7	0.7	1	1	1	1	1	1	0.9	0.96	0.9	0.9	0.9	1.05	1.05	1.05	1	0.9	0.9	0.96	0.96
LFHLGT08	Linear fluorescent T8, low glare fixture	0.89	0.89	0.99	1	1	1	1	1	1	1	1	0.9	0.96	0.9	0.9	0.9	1.05	1.05	1.05	1	0.9	0.9	0.96	0.96
LFHLHT08	Linear fluorescent T8, high efficiency fixture	0.89	0.89	0.99	1	1	1	1	1	1	1	1	0.9	0.96	0.9	0.9	0.9	1.05	1.05	1.05	1	0.9	0.9	0.96	0.96
LFHLNT08	Linear fluorescent T8, indirect fixture	0.89	0.89	0.99	1	1	1	1	1	1	1	1	0.9	0.96	0.9	0.9	0.9	1.05	1.05	1.05	1	0.9	0.9	0.96	0.96
LFHLRT08	Linear fluorescent T8, w/reflector	0.89	0.89	0.99	1	1	1	1	1	1	1	1	0.9	0.96	0.9	0.9	0.9	1.05	1.05	1.05	1	0.9	0.9	0.96	0.96
LFHLST08	Linear fluorescent High Performance T8	1.14	1.14	0.99	1	1.15	1	1	1	1	1	1	0.9	0.86	0.9	0.9	0.9	1.05	1.05	1.05	1	0.9	0.9	0.86	0.86
LFHOBLED	LED Outdoor Bollard	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99	1	0.9	0.9	0.98	0.98
LFHODLED	LED Outdoor Decorative Pole/Arm Area or Roadway Fixture	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99	1	0.9	0.9	0.98	0.98
LFHOPLED	LED Outdoor Pathway Lights	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99	1	0.9	0.9	0.98	0.98
LFHORLED	LED Outdoor Pole/Arm Area or Roadway Fixture	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99	1	0.9	0.9	0.98	0.98
LFHOSLED	LED Outdoor Steplight	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99	1	0.9	0.9	0.98	0.98
LFHOWLED	LED Wall-Mount Area Fixture (WallPack)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99	1	0.9	0.9	0.98	0.98
LFHPGLED	LED Parking Garage/Canopy Fixture	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99	1	0.9	0.9	0.98	0.98
LFHPTLED	LED Portable Desk/Task Light	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99	1	0.9	0.9	0.98	0.98
LFHRCLED	LED Refrigerated Case Lighting	0.94	0.94	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99	1	0.9	0.9	0.98	0.98
LFHRDLED	LED Recessed Surface or Pendant Downlight	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.19	1.19	1.19	1	0.9	0.9	0.98	0.98
LFHSDLED	LED Surface or Pendant Downlight	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.19	1.19	1.19	1	0.9	0.9	0.98	0.98
LFHSLLED	LED Surface and Suspended Linear Fixture	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.19	1.19	1.19	1	0.9	0.9	0.98	0.98
LFHST5HB	Linear fluorescent T5, High Bay fixture	1.14	1.14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LFHST5IN	Linear fluorescent T5, Indirect fixture	1.14	1.14	1.14	1.15	1.15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LFHST5IS	Linear fluorescent T5, Industrial/Strip fixture	1.14	1.14	1.14	1.15	1.15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LFHST5TW	Linear fluorescent T5, Troffer/Wrap fixture	1.14	1.14	1.14	1.15	1.15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LFHST5VP	Linear fluorescent T5, Vapor Proof fixture	1.04	1.04	1.04	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LFHST8HB	Linear fluorescent High Performance T8, High Bay fixture	0.9	0.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LFHST8HP	Linear fluorescent High Performance T8, High performance troffer	1.14	1.14	1.14	1.15	1.15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LFHST8IN	Linear fluorescent High Performance T8, Indirect fixture	1.14	1.14	1.14	1.15	1.15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LFHST8IS	Linear fluorescent High Performance T8, Industrial/Strip fixture	0.87	0.87	1.14	1.15	1.15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LFHST8RR	Relamp/Reballast to High Performance T8	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LFHST8TW	Linear fluorescent High Performance T8, Troffer/Wrap fixture	1.06	1.06	1.14	1.15	1.15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LFHST8VP	Linear fluorescent High Performance T8, Vapor Proof fixture	1.04	1.04	1.04	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LFHTDFIX	2-D fluorescent fixture	0.89	0.89	0.97	1	1	1	1	1	1	1	1	0.9	0.96	0.9	0.9	0.9	1.05	1.05	1.05	1	0.9	0.9	0.96	0.96
LFHTSLED	Traffic signal, LED	0.67	0.67	0.67	0.67	0.72	0.72	0.72	1	1	1	1	0.9	0.86	0.67	0.67	0.67	1	1	1	1	0.9	0.9	0.86	0.86
LFHUSLED	LED UnderCabinet Shelf Task Light	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99	1	0.9	0.9	0.98	0.98
LFHUTFIX	U-Tube fluorescent fixture	0.89	0.89	0.69	0.7	0.7	1	1	1	1	1	1	0.9	0.96	0.9	0.9	0.9	1.05	1.05	1.05	1	0.9	0.9	0.96	0.96
LFHWWLED	LED Wall Wash Fixture	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.99	0.99	0.99	1	0.9	0.9	0.98	0.98
LFHZZLED	Miscellaneous LEDs	0.75	0.75	1	1	0.9	1	1	1	1	1	1	0.9	0.98	0.9	0.9	0.9	1.19	1.19	1.19	1	0.9	0.9	0.98	0.98
LFHZZZZ	Other fixture	0.89	0.89	0.97	1	1	1	1	1	1	1	1	0.9	0.86	0.9	0.9	0.9	1.05	1.05	1.05	1	0.9	0.9	0.86	0.86
MNMBLULN	BlueLine Power Meter - Residential EPP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	0.9	0.98	0.9	0.9	0.9	1	1	1	1	0.9	0.9	0.98	0.98
MTCOMMI	Motor Controls Commissioning	0.99	0.99	0.99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MTCDFVFD	Dairy Milk Pump VFD	0.9	0.9	0.94	1	0.98	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
MTCHEVFD	Kitchen Exhaust Hood Controls	0.89	0.89	0.94	0.95	0.95	1	1	1	1	1	1	0.9	0.9	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
MTCVCOM	Motor Control Commissioning - HVAC	0.99	0.99	0.99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MTCVTIM	Motor Timer Control - HVAC	0.89	0.89	0.94	0.95	0.95	1	1	1	1	1	1	0.9	0.9	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
MTCVZZZ	Custom Motor Control - HVAC	0.89	0.89	0.97	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
MTCIPVFD	Variable Frequency Drive, Industrial Process	0.89	0.89	0.94	0.95	0.95	1	1	1	1	1	1	0.9	0.9	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
MTCMPASP	Maple Sap Vacuum Pump VFD	0.9	0.9	0.94	1																				

MeasureCode	ProductDescription	6012BPUF	6012CNIR	6013CUST	6013PRES	6013UPST	6014CUST	6014PRES	6015CC	6017BPUF	6017CUST	6017PRES	6018LINC	6019MFC	6020BPUF	6020CUST	6020PRES	6032PEP	6032LIEP	6032UPST	6034LSF	6036HPES	6036RETR	6038VESH	6041LINC	
MTRDP07H	Motor, ODP 7.5 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRDP100	Motor, ODP 100 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRDP125	Motor, ODP 125 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRDP150	Motor, ODP 150 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRDP200	Motor, ODP 200 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRHVZZ	Custom Motor - HVAC	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRPLPMP	Motor, Pool Pump	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRSNOWM	Custom Snowmaking motor efficiency	0.9	0.9	0.9	0.9	0.9	0.95	0.95	1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	
MTRTF001	Motor, TEFC 1 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF002	Motor, TEFC 2 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF003	Motor, TEFC 3 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF005	Motor, TEFC 5 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF010	Motor, TEFC 10 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF015	Motor, TEFC 15 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF01H	Motor, TEFC 1.5 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF020	Motor, TEFC 20 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF025	Motor, TEFC 25 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF030	Motor, TEFC 30 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF040	Motor, TEFC 40 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF050	Motor, TEFC 50 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF060	Motor, TEFC 60 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF075	Motor, TEFC 75 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF07H	Motor, TEFC 7.5 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF100	Motor, TEFC 100 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF125	Motor, TEFC 125 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF150	Motor, TEFC 150 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRTF200	Motor, TEFC 200 HP	0.89	0.89	0.89	0.9	0.9	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
MTRZZZZ	Custom motor	0.89	0.89	0.97	0.98	0.98	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFANGAS	Fuel switch, air conditioner natural gas	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFAPROP	Fuel switch, propane air conditioner propane	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFPFOIL	Fuel switch, industrial process fuel oil	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFPKERO	Fuel switch, industrial process kerosene	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFPNGAS	Fuel switch, industrial process natural gas	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFPOIL6	Fuel switch, industrial process number 6 oil	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFPPROP	Fuel switch, industrial process propane	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFPWOOD	Fuel switch, industrial process wood	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFRNGAS	Fuel switch, refrigerator natural gas	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFSNGAS	Fuel switch, cook stove natural gas	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFSPROP	Fuel switch, cook stove propane	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFYNGAS	Fuel switch, dryer natural gas	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	0.7	0.7	
OTFYPROP	Fuel switch, dryer propane	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.7	0.7	0.9	0.9	1	1	1	1	0.9	0.9	0.7	0.7
OTFZFOIL	Fuel switch, custom fuel oil	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFZKERO	Fuel switch, custom kerosene	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFZNGAS	Fuel switch, custom natural gas	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFZOIL6	Fuel switch, custom number 6 oil	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFZPROP	Fuel switch, custom propane	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
OTFZWOOD	Fuel switch, custom wood	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
RFRBLFAN	Efficient blower fan	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
RFRCOMPDS	Refrigeration compressor, discus	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.95	0.95	0.95	1	1	1	1	0.9	0.9	1	1	
RFRCOMPSC	Refrigeration compressor, scroll	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.95	0.95	0.95	1	1	1	1	0.9	0.9	1	1	
RFRCOMFZ	Commercial freezer	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.95	0.95	0.95	1	1	1	1	0.9	0.9	1	1	
RFRCOMMIM	Commercial icemaker	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.95	0.95	0.95	1	1	1	1	0.9	0.9	1	1	
RFRCOMMI	Refrigeration Commissioning	0.99	0.99	0.99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
RFRCOMPL	Refrigeration Compressor Load Reduction	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.95	0.95	0.95	1	1	1	1	0.9	0.9	1	1	
RFRCOMPR	Refrigeration compressor	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
RFRCOMRF	Commercial refrigerator	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.95	0.95	0.95	1	1	1	1	0.9	0.9	1	1	
RFRCONTR	Improve refrigeration controls	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
RFRCOVER	Refrigerator covers	0.94	0.94	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.95	0.95	0.95	1	1	1	1	0.9	0.9	1	1	
RFRDRCON	Refrigeration door heater controls	0.94	0.94	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
RFRDRFIL	Refrigerator Door Film	0.94	0.94	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
RFRDRZER	Refrigeration zero energy doors	0.94	0.94	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
RFRSFZP	Energy star freezer	0.89	0.89	0.94	1	1	0.95	0.95	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
RFRSFZR	Energy star freezer, early replacement	0.89	0.89	0.94	1	1	0.95	0.95	1	1	1															

MeasureCode	ProductDescription	6012BPUF	6012CNIR	6013CUST	6013PRES	6013UPST	6014CUST	6014PRES	6015CC	6017BPUF	6017CUST	6017PRES	6018LINC	6019MFC	6020BPUF	6020CUST	6020PRES	6032EPEP	6032LIEP	6032UPST	6034LSF	6036HPE5	6036RETR	6038VESH	6041LINC
RFRTRRP	Top-third refrigerator	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
RFRVENDM	Vending miser	0.99	0.99	0.99	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
RFRZZZZZ	Custom refrigeration	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
RNCINCNT	RNC Customer Incentive Adj	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SHEBALAN	Balance distribution	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHECLEAN	Clean and tune furnace/boiler	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHECOMMI	Space Heat Commissioning	0.99	0.99	0.99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SHECONTR	Improved space heating controls	0.89	0.89	0.94	0.95	0.95	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHECP3HP	BLPM Circulator pump > 3 HP	1	1	0.95	0.95	0.95	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SHECPMTR	BLPM Circulator Pump	1	1	0.95	0.95	0.95	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SHEDUCTS	Duct air sealing and insulation	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	1	1	1	1
SHEESHRP	Energy Star heating system	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHEFNMTR	Furnace fan motor	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	1	1	1	1
SHEPINSU	Pipe insulation	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHERESST	Boiler Reset Controls	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHESTMTMP	Steam trap replacement/maintenance	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHERETHERM	Setback thermostat	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHERETHMUF	Setback thermostat, URF	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHEVGSBR	VGS Base Rebate	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHEWECBR	WEC Base Rebate	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHEZONES	Multizone heating controls	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHEZZZZZ	Custom space heat efficiency	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHFBBIOM	Biomass Fuel Switch	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFBFOIL	Fuel switch, boiler, fuel oil	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFBNGAS	Fuel switch, boiler, natural gas	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFBPROP	Fuel switch, boiler, propane	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFBWODP	Fuel switch, boiler, wood pellet	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFBWOOD	Fuel switch, boiler, wood	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDBNGA	Space heat Displaced load - Natural Gas Boiler	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDBOIL	Space heat Displaced load - Oil Boiler	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDBPRO	Space heat Displaced load - Propane Boiler	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDBWDC	Space heat Displaced load - Wood Boiler	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDBWDP	Space heat Displaced load - Wood pellet Boiler	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDELEC	Space heat Displaced load - Electric heat	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDFNGA	Space heat Displaced load - Natural Gas Furnace	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDFOIL	Space heat Displaced load - Oil Furnace	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDFPRO	Space heat Displaced load - Propane Furnace	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDFWDC	Space heat Displaced load - Wood Furnace	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDFWDP	Space heat Displaced load - Wood pellet Furnace	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDHKER	Space heat Displaced load - Kerosene Space heater	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDHNGA	Space heat Displaced load - Natural Gas Space Heater	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDHOIL	Space heat Displaced load - Oil Space heater	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDHPROP	Space heat Displaced load - Propane Space Heater	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDHWDC	Space heat Displaced load - Wood Stove	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFDHWDP	Space heat Displaced load - Wood pellet Stove	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFFFOIL	Fuel switch, furnace, fuel oil	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFFNGAS	Fuel switch, furnace, natural gas	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFFPROP	Fuel switch, furnace, propane	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFFWODP	Fuel switch, furnace, wood pellet	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFFWOOD	Fuel switch, furnace, wood	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFHFOIL	Fuel switch, space heater, fuel oil	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFHKERO	Fuel switch, space heater, kerosene	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFHNGAS	Fuel switch, space heater, natural gas	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0
SHFHPCVF	Cold climate variable speed heat pump, displacing fuel heat	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHFHPCVH	Cold climate variable speed heat pump - cooling portion	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHFHPMAF	Air source heat pump - heating portion, displacing fuel	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHFHPMGF	Ground source heat pump - heating portion, displacing fuel	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHFHPMHF	Cold climate var. sp. multi-head heat pump, displ. fuel heat	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHFHPMMF	Efficient ductless mini-split - heating portion, displacing fuel	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHFHPMVR	VRF heat pump system - heating portion, displacing fuel	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHFHPMWR	Groundwater source heat pump - heating portion, displacing fuel	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
SHFHPROP	Fuel switch, space heater, propane	0.79	0.79	0.84	0	0	0.85	0.85	1	1	1	1	1	0.5	0.85	0.85	0.85	0	0	0	1	0.8	0.8	0	0

MeasureCode	ProductDescription	6012BPUF	6012CNIR	6013CUST	6013PRES	6013UPST	6014CUST	6014PRES	6015CC	6017BPUF	6017CUST	6017PRES	6018LINC	6019MFNC	6020BPUF	6020CUST	6020PRES	6032EPEP	6032LIEP	6032UPST	6034LISF	6036HPES	6036RETR	6038VESH	6041LINC	
SHRFPURF	Space Heat Replacement Furnace, Propane URF	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRFWODP	Replace furnace, wood pellet	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRFWOOD	Replace furnace, wood	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHFOIL	Replace space heater, fuel oil	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHKERO	Replace space heater, kerosene	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHNGAS	Replace space heater, natural gas	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHPCVE	Cold climate variable speed heat pump, displacing electric resis	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHPCVH	Cold climate variable speed heat pump, heat pump baseline, 12,00	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	0.88	0.88	0.88	1	0.9	0.9	1	1	
SHRHPPMAE	Air source heat pump - heating portion, displacing electric resi	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHPPMAH	Air source heat pump - heating portion, heat pump baseline	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHPPMGE	Ground source heat pump - heating portion, displacing electric r	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHPPMGH	Ground source heat pump - heating portion, heat pump baseline	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHPPMHC	Cold climate multi head variable speed heat pump, heat pump base	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	0.88	0.88	0.88	1	0.9	0.9	1	1	
SHRHPPMHE	Cold climate var. sp. multi-head heat pump, displ. elec. heat	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	0.88	0.88	0.88	1	0.9	0.9	1	1	
SHRHPPMME	Efficient ductless mini-split - heating portion, displacing elec	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHPPMMH	Efficient ductless mini-split - heating portion, heat pump basel	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHPPMVE	VRF heat pump system - heating portion, displacing electric resi	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHPPMVH	VRF heat pump system - heating portion, heat pump baseline	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHPPMWE	Groundwater source heat pump - heating portion, displacing elect	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHPPMWH	Groundwater source heat pump - heating portion, heat pump baseli	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHPPROP	Replace space heater, propane	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHFWODP	Replace space heater, wood pellet	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SHRHFWOOD	Replace space heater, wood	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SRVAUDIT	Residential energy audit	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SRVBAPKG	Appliance package bonus	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SRVBSTAR	Vermont Star Home bonus	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SRVBUDN	Commercial Loan Buy Down	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SRVBVESH	Vermont Energy Star Home bonus	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SRVMODTB	Modular Home Thermal Bypass Inspection Incentive	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SRVRATAB	Home energy rating, as built (ABHER)	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SRVRATFU	Home energy rating, full	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SRVRATNG	Home energy rating	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SRVRATVA	Vermont Advantage rating (82.0-85.9)	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SRVRATVS	Vermont Star rating (86.0+)	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1	
SRVSPADV	Advance special incentive payment	0.89	0.89	0.95	0.98	0.98	1	1	1	1	1	1	0.98	1.02	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.02	1.02	
SRVSPWTH	Withheld special incentive payment	0.89	0.89	0.95	0.98	0.98	1	1	1	1	1	1	0.98	1.02	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.02	1.02	
TSHAIRSL	Airsealing	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHCODEC	Energy code compliance	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHCOMPC	Comprehensive Thermal Measure REMRate Calculated Cooling	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05	
TSHCOMPH	Comprehensive Thermal Measure REMRate Calculated Heating	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05	
TSHCOMPR	Comprehensive heating system and shell improvements	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHDOORS	Door improvements	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHNACWL	Attic/ceiling/wall insulation	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	1	1	1.05	1.05
TSHNAIRS	Insulate and airseal	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHNBLDG	Whole-building insulation	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHNFNDE	Foundation insulation, exterior	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHNFNDI	Foundation insulation, interior	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHPV SOL	Passive solar design	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHRATA1	Rating based space heating savings, 81-85pts attached	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHRATA2	Rating based space heating savings, 61-80pts attached	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHRATA3	Rating based space heating savings, 0-60pts attached	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHRATD1	Rating based space heating savings, 81-85pts detached	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHRATD2	Rating based space heating savings, 61-80pts detached	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHRATD3	Rating based space heating savings, 0-60pts detached	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHRATM1	Rating based space heating savings, 82 plus multi	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHRATM2	Rating based space heating savings, 86 plus multi	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHRATVA	Rating based space heating savings, 82 plus mixed	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHRATVS	Rating based space heating savings, 86 plus mixed	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHVSTAR	Vermont Star home (OBSOLETE)	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHVTADV	Vermont Advantage home (OBSOLETE)	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
TSHWINDO	Window improvements	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9		

MeasureCode	ProductDescription	6012BPUF	6012CNIR	6013CUST	6013PRES	6013UPST	6014CUST	6014PRES	6015CC	6017BPUF	6017CUST	6017PRES	6018LINC	6019MFNC	6020BPUF	6020CUST	6020PRES	6032EPEP	6032LIEP	6032UPST	6034LISF	6036HPES	6036RETR	6038VESH	6041LINC
VNTZZZZ	Custom ventilation	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1.05	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.05	1.05
WATDFTLT	Dual flush toilet	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1.1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1.1	1.1
WATDVTLT	Toilet diverter	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
WATLEAKS	Water leak reduction	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
WATLFTLT	Low flow toilet	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
WATZZZZ	Custom water conservation	0.89	0.89	0.94	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
ZZBHTIM	Block Heater Timer	0.89	0.89	0.94	1.05	0.95	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
ZZMASTR	Master meter conversion	0.89	0.89	0.99	1	1	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
ZZTEMPX	Temporary measure code, to be reassigned	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZZZTRANS	Transformer, efficient	0.89	0.89	0.98	0.99	0.99	1	1	1	1	1	1	1	1	0.9	0.9	0.9	1	1	1	1	0.9	0.9	1	1
ZZZZZZ	Other uncategorized efficiency	0.99	0.99	0.99	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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