

	CFL Bulb	LED Bulb	
Halogen Watts	53	53	Energy Star
Efficient Watts	15	17	Energy Star
Annual Operating Hours	1,095	1,095	Energy Star
WHFe	1.06	1.06	Illinois
WHFd	1.11	1.11	Illinois
In-Service Rate	70%	95%	Illinois
Coincidence Factor	9.5%	9.5%	Illinois
kW Saved per Unit	0.003	0.004	
kWh Saved per Unit	31	40	
Incremental Cost	\$1.50	\$20	Illinois/Michigan
Lifetime (years)	5	10	Illinois

Energy Star Fixture

Incandescent Watts	72	Illinois
Efficient Watts	18	Energy Star
Annual Operating Hours	1,825	Energy Star
In-Service Rate	88%	Illinois
Coincidence Factor	0.4%	Illinois
kW Saved per Unit	0.0002	
kWh Saved per Unit	86.23	
Incremental Cost	\$17	Illinois
Lifetime (years)	8	Illinois

Energy Star Refrigerator/Freezer

September 2014 ENERGY STAR/Federal standard effective

	Fridge (Top-Freezer)	Freezer	
Adjusted Volume (Cubic Feet)	26	27	Illinois
Coincident Factor	100%	100%	MN TRM
kW Saved per Unit	0.01	0.00	
kWh Saved per Unit	103	30	DOE/ENERGY STAR
Incremental Cost	\$40	\$40	MN TRM
Lifetime (years)	14	11	MN TRM

Advanced Power Strip

kW Saved per Unit	0.0110	NYSERDA
kWh Saved per Unit	75.00	NYSERDA

ACEEE
Arkansas
CEE
CT
DOE
ENERGY STAR

American Council for and Energy-Efficient Economy. Water Heating. <http://aceee.org/consumer/water-heating>
Frontier Associates, LLC (2010). Arkansas Comprehensive Programs Deemed Savings. Prepared by Nexant.
Consortium for Energy Efficiency. High-Efficiency Commercial Air Conditioning and Heat Pump Initiative. <http://www.cee>
Connecticut Energy Efficiency Fund. Connecticut Program Savings Documentation for 2012 Program Year.
U.S. Department of Energy. Building Technologies Program: Residential Products. www1.eere.energy.gov/buildings/ap
ENERGY STAR. Revisions to Existing Specifications. www.energystar.gov/; ENERGY STAR. Qualified Product Savings;

Illinois	State of Illinois. Energy Efficiency Technical Reference Manual (2012).
Mass	Mass Save (2010). Massachusetts Technical Reference Manual for Estimating Savings from Energy Efficiency Measures.
Michigan	Michigan Public Service Commission (2013). Michigan Energy Measures Database. Prepared by Morgan Marketing Partners.
MN TRM	Minnesota Department of Commerce. State of Minnesota Technical Reference Manual for Energy Conservation Improvement.
New York	New York Standard Approach for Estimating Energy Savings from Energy Efficiency Programs (October 15, 2010).
NMR	NMR Group, Inc. (2011). Massachusetts Appliance Turn-In Program Impact Evaluation.
NYSERDA	NYSERDA (2011). Advanced Power Strip Research Report. Prepared by Lockheed Martin and Energy Solutions.
Ohio	Public Utilities Commission of Ohio (2010). State of Ohio Energy Efficiency Technical Reference Manual. Prepared by \
PSC Colorado	Public Service Company of Colorado. (February 2012). 2012/2013 Demand-Side Management Plan: Electric & Natural

en1.org/com/hecac/hecac-main.php3

pliance_standards/residential_products.html

s Calculator. https://www.energystar.gov/index.cfm?c=products.pr_find_es_products

es. 2011 Program Year.

artners.

ement Programs. (Version 1.0) Effective January 1 to December 31, 2014.

/ermont Energy Investment Corporation.

Gas. Docket No. 11A-631EG.

Appliance Recycling

	Refrigerator	Freezer	
kW Saved per Unit	0.147	0.126	
kWh Saved per Unit	1,289	1,105	NMR
Lifetime (years)	8	8	Illinois

ACEEE American Council for and Energy-Efficient Economy. Water He
Arkansas Frontier Associates, LLC (2010). Arkansas Comprehensive Pro
CEE Consortium for Energy Efficiency. High-Efficiency Commercial A
CT Connecticut Energy Efficiency Fund. Connecticut Program Savi
DOE U.S. Department of Energy. Building Technologies Program: Re
ENERGY STAR ENERGY STAR. Revisions to Existing Specifications. www.ene
Illinois State of Illinois. Energy Efficiency Technical Reference Manual
Mass Mass Save (2010). Massachusetts Technical Reference Manua
Michigan Michigan Public Service Commission (2013). Michigan Energy I
MN TRM Minnesota Department of Commerce. State of Minnesota Techr
New York New York Standard Approach for Estimating Energy Savings fr
NMR NMR Group, Inc. (2011). Massachusetts Appliance Turn-In Pro
NYSERDA NYSERDA (2011). Advanced Power Strip Research Report. Pr
Ohio Public Utilities Commission of Ohio (2010). State of Ohio Energ
PSC Colorado Public Service Company of Colorado. (February 2012). 2012/2C

ating. <http://aceee.org/consumer/water-heating>
grams Deemed Savings. Prepared by Nexant.
Air Conditioning and Heat Pump Initiative. <http://www.cee1.org/com/hecac/hecac-main.php3>
ngs Documentation for 2012 Program Year.
Residential Products. www1.eere.energy.gov/buildings/appliance_standards/residential_products.html
nergystar.gov/; ENERGY STAR. Qualified Product Savings Calculator. <https://www.energystar.gov/index.cfm?c=proc>
(2012).
il for Estimating Savings from Energy Efficiency Measures. 2011 Program Year.
Measures Database. Prepared by Morgan Marketing Partners.
rical Reference Manual for Energy Conservation Improvement Programs. (Version 1.0) Effective January 1 to Dec
om Energy Efficiency Programs (October 15, 2010).
gram Impact Evaluation.
pared by Lockheed Martin and Energy Solutions.
y Efficiency Technical Reference Manual. Prepared by Vermont Energy Investment Corporation.
13 Demand-Side Management Plan: Electric & Natural Gas. Docket No. 11A-631EG.

ducts.pr_find_es_products

ember 31, 2014.