

## 2019 Residential Measures from the Michigan Energy Measures Database

<i>Proposed Technologies for Measures Library</i>	<i>Base Efficiency Level</i>	<i>Proposed Efficiency Level</i>	<i>2019 kWh</i>	<i>2019 Incentive</i>
<b>LIGHTING</b>				
LED Replacement Downlight Fixture	Incandescent	LED fixture	44	Up to \$20
LED Candelabra <=5W	Incandescent	LED Candelabra	23.7	Up to \$10
LED A-Line 450-799 Lumens, <=6W	Incandescent/Halogen	LED A-line	19.6	Up to \$10
LED A-Line 800-1099 Lumens, 9W<13W	Incandescent/Halogen	LED A-line	28.5	Up to \$10
LED A-Line 1100-1599 Lumens, 13W<17W	Incandescent/Halogen	LED A-line	34.6	Up to \$10
LED A-Line 1600-1999 Lumens, >=17W	Incandescent/Halogen	LED A-line	47.2	Up to \$10
LED Par/R/BR <=15.5W	Incandescent	LED Flood or Par	54	Up to \$20
Outdoor LED Par/Flood <=15.5W	Incandescent	LED Flood or Par	276.4	Up to \$20
LED Globe <=8W	Incandescent	LED Globe	27	Up to \$10
LED Holiday Lights	Incandescent holiday lights	LED holiday lights	10.6	Up to \$10
LED Night Light	Incandescent night light	LED night light	22	Up to \$10
<b>APPLIANCES</b>				
Energy Star Ceiling Fan	Standard ceiling fan with incandescent	ES ceiling fan with CFL lighting	91	\$25.00
Energy Star Electric Clothes Dryer	Std. Electric Clothes Dryer	Energy Star Electric Clothes Dryer	37.2	\$75.00
Energy Star Clothes Washer (with electric water heater and electric dryer)	Std. Clothes Washer IMEF = 1.71	Clothes washer IMEF= 2.41	159.5	\$75.00
Energy Star Clothes Washer (with electric water heater and gas dryer)	Std. Clothes Washer IMEF = 1.71	Clothes washer IMEF= 2.41	63.8	\$75.00
Energy Star Clothes Washer (with gas water heater and electric dryer)	Std. Clothes Washer IMEF = 1.71	Clothes washer IMEF= 2.41	75.6	\$75.00
Energy Star Air Purifier CADR 51-Over 250	Standard Efficiency Air Purifier	Energy Star Air Purifier CADR 51-Over 250	293-1169	\$25.00
Energy Star Dehumidifier	Standard Dehumidifier	Energy Star Dehumidifier	202.9	\$25.00
Energy Star Room AC	Standard A/C unit, 9.8 EER	ENERGY STAR A/C unit, 11.3 EER	62	\$25.00
Energy Star Room AC, less than 8,000btu	Standard A/C unit	ENERGY STAR A/C unit	25.2	\$25.00
Energy Star Room AC, more than 8,000btu	Standard A/C unit, 9.8 EER	ENERGY STAR A/C unit	71.9	\$25.00
Freezers Energy Star - Chest Freezer	Standard freezer	Energy Star freezer	30.2	\$75.00
Freezers Energy Star - Upright Freezer	Standard freezer	Energy Star freezer	39.8	\$75.00
Refrigerators/Freezers Energy Star - Bottom Freezer	Standard refrigerator	Energy Star refrigerator	59.9	\$75.00
Refrigerators/Freezers Energy Star - Side by Side	Standard refrigerator	Energy Star refrigerator	56.4	\$75.00
Refrigerators/Freezers Energy Star - Top Freezer	Standard refrigerator	Energy Star refrigerator	40.8	\$75.00
ENERGY STAR Dishwasher - elec water heater	Standard Dishwasher	ES High Efficiency Dishwasher	25	\$75.00
ENERGY STAR Dishwasher - gas water heater	Standard Dishwasher	ES High Efficiency Dishwasher	16.3	\$75.00
ENERGY STAR 7.0 TV (0-20")	ENERGY STAR 4.0 TV (0-20")	ENERGY STAR 7.0 TV (0-20")	24.3	\$50.00
ENERGY STAR 7.0 TV (21-30")	ENERGY STAR 4.0 TV (21-30")	ENERGY STAR 7.0 TV (21-30")	62.1	\$50.00
ENERGY STAR 7.0 TV (31-40")	ENERGY STAR 4.0 TV (31-40")	ENERGY STAR 7.0 TV (31-40")	104.8	\$50.00
ENERGY STAR 7.0 TV (41-50")	ENERGY STAR 4.0 TV (41-50")	ENERGY STAR 7.0 TV (41-50")	158.1	\$50.00
ENERGY STAR 7.0 TV (51-60")	ENERGY STAR 4.0 TV (51-60")	ENERGY STAR 7.0 TV (51-60")	224.3	\$50.00
ENERGY STAR 7.0 TV (Over 60")	ENERGY STAR 4.0 TV (>60")	ENERGY STAR 7.0 TV (over 60")	319.2	\$75.00
<b>RECYCLING</b>				
Dehumidifier recycling	Old unit running	Old unit removed	139	\$25.00
Room A/C recycling	Old unit running	Old unit removed	113	\$25.00
Refrigerator recycling	Old refrigerator running	Old refrigerator removed	1135	\$50.00
Freezer recycling	Old freezer running	Old freezer removed	944	\$50.00

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<b>HEATING &amp; COOLING</b>				
High Efficiency Furnace with ECM	Non-ECM Furnace	ECM Furnace	730	\$350.00
Central Air-conditioning Tune-up (3 ton)	No tune up	Tune-up on Gas furnace with Central AC	87	\$29 Per Ton
Smart Thermostat Tier 3	None present	Based on 2,000 sq ft	98	\$50.00
Central Air Conditioner (3 ton)	Standard AC Unit	SEER 15	262	\$88 Per Ton
Central Air Conditioner (3 ton)	Standard AC Unit	SEER 16	372	\$124 Per Ton
Central Air Conditioner (3 ton)	Standard AC Unit	SEER 17	413	\$138 Per Ton
Central Air Conditioner (3 ton)	Standard AC Unit	SEER 18	449	\$150 Per Ton
Central Air Conditioner (3 ton)	Standard AC Unit	SEER 19	522	\$174 Per Ton
Central Air Conditioner (3 ton)	Standard AC Unit	SEER 20	551	\$184 Per Ton
Central Air Conditioner (3 ton)	Standard AC Unit	SEER 21+	577	\$193 Per Ton
Central Air Source Heat Pump- SEER 16	Base Efficiency Level Seer 14	SEER 16	704	\$235 Per Ton
Central Air Source Heat Pump- SEER 17	Base Efficiency Level Seer 14	SEER 17	745	\$248 Per Ton
Central Air Source Heat Pump- SEER 18	Base Efficiency Level Seer 14	SEER 18	1202	\$401 Per Ton
Central Air Source Heat Pump- SEER 19	Base Efficiency Level Seer 14	SEER 19	1424	\$308 Per Ton
Central Air Source Heat Pump- SEER 20	Base Efficiency Level Seer 14	SEER 20	1623	\$541 Per Ton
Central Air Source Heat Pump- SEER 21+	Base Efficiency Level Seer 14	SEER 21+	1803	\$601 Per Ton
<b>Multifamily Direct Install</b>				
Low Flow Kitchen Faucet Aerators 1.5 gpm electric water heater	2.2 gal/minute	1.5 gal/minute	279	Free - MF DI
Low Flow Bathroom Faucet Aerators 1.5 gpm electric water heater	2.2 gal/minute	1.5 gal/minute	40	Free - MF DI
Low Flow Showerheads 1.5 gpm electric water heater	Standard Flow 2.5 gal/min	Low Flow 1.5 gal/minute	334	Free - MF DI
Pipe Wrap R3 for Electric Water Heaters	Uninsulated pipes	Insulated pipe wrap with R3	51	Free - MF DI