

Iowa Energy Efficiency Statewide Technical Reference Manual - Version 10 (Effective Jan. 1, 2026)

Residential Measures

Prepared by Vermont Energy Investment Corp.

Code, Title, Programs				Loadshape
Measure Code	End Use Category	Measure Title	Applicable Programs	Loadshape(s)
RS-APL-CLWA-V06-260101	Appliances	Clothes Washer	TOS, NC	Loadshape RE14 - Residential Clothes Washer Loadshape G03 - Residential Dryer
RS-APL-ESDR-V09-270101	Appliances	Clothes Dryer	TOS, NC	Loadshape RE14 - Residential Clothes Washer Loadshape G03 - Residential Dryer
RS-APL-REFR-V06-270101	Appliances	Refrigerator	TOS, NC, EREP	Loadshape RE16 - Residential Refrigeration
RS-APL-ESFR-V05-270101	Appliances	Freezer	TOS, NC	Loadshape RE15 - Residential Freezer
RS-APL-RFRC-V07-270101	Appliances	Refrigerator Recycling - Regression	ERET	Loadshape RE16 - Residential Refrigerator
RS-APL-RFRC-V07-270101	Appliances	Refrigerator Recycling - Deemed	ERET	Loadshape RE16 - Residential Refrigerator
RS-APL-RFRC-V07-270101	Appliances	Freezer Recycling - Regression	ERET	Loadshape RE15 - Residential Freezer
RS-APL-RFRC-V07-270101	Appliances	Freezer Recycling - Deemed	ERET	Loadshape RE15 - Residential Freezer
RS-APL-RARC-V02-230101	Appliances	Room Air Conditioner Recycling	ERET	Loadshape RE11 - Residential Single Family Cooling
RS-APL-AIRP-V06-270101	Appliances	ENERGY STAR Air Purifier	TOS, NC	Loadshape E01 - Flat
RS-APL-DEHUM-V02-250101	Appliances	ENERGY STAR Dehumidifier	TOS	Loadshape RE18 - Residential Dehumidifier
RS-CEL-APS1-V04-240101	Consumer Electronics	Tier 1 Advanced Power Strip (APS)	TOS, NC, DI	Loadshape RE05 Residential Multifamily Plug Load Loadshape RE13 Residential Single Family Plug Load
RS-CEL-APS2-V06-270101	Consumer Electronics	Tier 2 Advanced Power Strips (APS) - Residential Audio Visual	DI	Loadshape RE05 Residential Multifamily Plug Load Loadshape RE13 Residential Single Family Plug Load
RS-HWE-GWHT-V06-270101	Hot Water	Gas Water Heater	TOS, NC, EREP	Loadshape RG07 - Residential Water Heat (gas)
RS-HWE-HPWH-V07-270101	Hot Water	Heat Pump Water Heaters	TOS, NC, RF	Loadshape RE12 - Residential Single Family Water Heat Loadshape RE04 - Residential Multifamily Water Heat Loadshape RG07 - Residential Water Heat (gas)
RS-HWE-TMPS-V04-270101	Hot Water	Water Heater Temperature Setback	RF, RNC	Loadshape RE12 - Residential Single Family Water Heat Loadshape RE04 - Residential Multifamily Water Heat Loadshape RG07 - Residential Water Heat (gas)
RS-HWE-LFFA-V07-270101	Hot Water	Low Flow Faucet Aerators	TOS, NC, RF, DI, KITS	Loadshape RE12 - Residential Single Family Water Heat Loadshape RE04 - Residential Multifamily Water Heat Loadshape RG07 - Residential Water Heat (gas)
RS-HWE-LFSH-V08-270101	Hot Water	Low Flow Showerheads	TOS, NC, RF, DI, KITS	Loadshape RE12 - Residential Single Family Water Heat Loadshape RE04 - Residential Multifamily Water Heat Loadshape RG07 - Residential Water Heat (gas)
RS-HWE-PINS-V02-230101	Hot Water	Domestic Hot Water Pipe Insulation	DI, RF	Loadshape E01 - Flat Loadshape G01 - Flat
RS-HWE-WRAP-V02-220101	Hot Water	Water Heater Wrap	DI, RF	Loadshape E01 - Flat Loadshape G01 - Flat
RS-HVC-ASHP-V09-270101	HVAC	Central Air Source Heat Pump	TOS, NC, EREP	Loadshape RE08 - Residential Single Family Heat Pump
RS-HVC-CAC-V09-270101	HVAC	Central Air Conditioning	TOS, NC, EREP	Loadshape RE07 - Residential Single Family Cooling, Loadshape RE02 - Residential Multifamily Cooling
RS-HVC-GHEB-V05-230101	HVAC	Boiler	TOS, NC, EREP	Loadshape RG01 - Residential Boiler

RS-HVC-FRNC-V07-250101	HVAC	Furnace	TOS, NC, EREP	Loadshape RE06 - Residential Single Family Central Heat, Loadshape RG04 – Residential Other Heating
RS-HVC-FBMT-V03-190101	HVAC	Furnace Blower Motor	TOS, NC	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat
RS-HVC-GSHP-V07-240101	HVAC	Geothermal Source Heat Pump	TOS, NC, EREP	Loadshape RE08 – Residential Single Family Heat Pump Loadshape RE12 – Residential Single Family Water Heat (Electric) Loadshape RG07 – Residential Water Heat (Gas)
RS-HVC-DSHP-V08-270101	HVAC	Ductless Heat Pumps	RF, TOS	Loadshape RE08 – Residential Single Family Heat Pump
RS-HVC-ERVE-V04-220101	HVAC	Energy Recovery Ventilator	NC	Loadshape RE08 – Residential Single Family Heat Pump Loadshape RE07 - Residential Single Family Cooling Loadshape RG01 – Residential Boiler Loadshape RE06 - Residential Single Family Central Heat Loadshape RG04 – Residential Other Heating
RS-HVC-GASF-V03-240101	HVAC	Gas Fireplace	TOS, RF, NC	
RS-HVC-WHF-V02-190101	HVAC	Whole House Fan	RF, NC, TOS	Loadshape RE11 - Residential Single Family Vent.
RS-HVC-ATUN-V06-270101	HVAC	Central Air Source Heat Pump Tune-Up - Custom	RF	Loadshape RE08 - Residential Single Family Heat Pump
RS-HVC-ATUN-V06-270101	HVAC	Central Air Source Heat Pump Tune-Up - HVAC SAVE	RF	Loadshape RE08 - Residential Single Family Heat Pump
RS-HVC-CTUN-V06-210101	HVAC	Central Air Conditioner Tune-Up - HVAC SAVE	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE02 - Residential Multifamily Cooling
RS-HVC-CTUN-V06-210101	HVAC	Central Air Conditioner Tune-Up - HVAC SAVE	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE02 - Residential Multifamily Cooling
RS-HVC-BLRT-V03-240101	HVAC	Boiler Tune-up	RF	Loadshape RG01 – Residential Boiler
RS-HVC-FTUN-V03-200101	HVAC	Furnace Tune-Up - HVAC SAVE Custom	RF	Loadshape RE06 - Residential Single Family Central Heat Loadshape RG04 – Residential Other Heating
RS-HVC-FTUN-V03-200101	HVAC	Furnace Tune-Up - HVAC SAVE Deemed	RF	Loadshape RE06 - Residential Single Family Central Heat Loadshape RG04 – Residential Other Heating
RS-HVC-FTUN-V03-200101	HVAC	Furnace Tune-Up - Other	RF	Loadshape RE06 - Residential Single Family Central Heat Loadshape RG04 – Residential Other Heating
RS-HVC-ASHP-TUN-V03-220101	HVAC	Geothermal Source Heat Pump Tune-Up	RF	Loadshape RE08 – Residential Single Family Heat Pump Loadshape RE12 – Residential Single Family Water Heat (Electric) Loadshape RG07 – Residential Water Heat (Gas)
RS-HVC-DINS-V05-230101	HVAC	Duct Sealing - Blower Door Subtraction Method	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 – Residential Single Family Heat Pump

RS-HVC-DINS-V05-230101	HVAC	Duct Sealing - Duct Blaster	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 – Residential Single Family Heat Pump
RS-HVC-DINS-V05-230101	HVAC	Duct Sealing - Deemed	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 – Residential Single Family Heat Pump
RS-HVC-PROG-V05-240101	HVAC	Programmable Thermostats	RF, DI	Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 – Residential Single Family Heat Pump Loadshape RG01 – Residential Boiler Loadshape RG04 – Residential Other Heating
RS-HVC-ADTH-V07-240101	HVAC	Advanced Thermostats	TOS, NC, RF, DI	RE08 - Residential Single Family Heat Pump RE06 - Residential Single Family Central Heat RE01 - Residential Multifamily Central Heat RE07 - Residential Single Family Cooling RE02 - Residential Multifamily Cooling RG02 - Residential Boiler RG04 - Residential Other Heating
RS-HVC-DUCT-V05-230101	HVAC	Duct Insulation	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 – Residential Single Family Heat Pump
RS-HVC-GFHP-V04-270101	HVAC	Gas Fired Heat Pump	TOS, NC	Loadshape RG01 – Residential Boiler Loadshape RE06 – Residential Single Family Central Heat Loadshape RG07 – Residential Water Heat (gas)
RS-HVC-BREC-V01-260101	HVAC	Boiler Reset Controls	RF	
RS-LTG-LEDA-V12-270101	Lighting	LED Lamp - Standard	TOS, NC, RF.	Loadshape RE09 - Residential Indoor Lighting Loadshape RE10 - Residential Outdoor Lighting
RS-LTG-LEDS-V11-270101	Lighting	LED Lamp - Specialty	TOS, NC, RF	Loadshape RE09 - Residential Indoor Lighting Loadshape RE10 - Residential Outdoor Lighting
RS-LTG-EXIT-V04-240101	Lighting	LED Exit Signs	TOS, RF, DI	Loadshape E01 - Flat
RS-SHL-AIRS-V05-230101	Shell	Infiltration Control - Test in / Test Out Approach	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 - Residential Single Family Heat Pump Loadshape RG01 – Residential Boiler Loadshape RG04 – Residential Other Heating
RS-SHL-AIRS-V05-230101	Shell	Infiltration Control - Deemed	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 - Residential Single Family Heat Pump Loadshape RG01 – Residential Boiler Loadshape RG04 – Residential Other Heating

RS-SHL-AINS-V06-230101	Shell	Attic/Ceiling Insulation	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 - Residential Single Family Heat Pump Loadshape RG01 – Residential Boiler Loadshape RG04 – Residential Other Heating
RS-SHL-RINS-V06-230101	Shell	Rim/Band Joist Insulation	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 - Residential Single Family Heat Pump Loadshape RG01 – Residential Boiler Loadshape RG04 – Residential Other Heating
RS-SHL-WINS-V05-230101	Shell	Wall Insulation	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 - Residential Single Family Heat Pump Loadshape RG01 – Residential Boiler Loadshape RG04 – Residential Other Heating
RS-SHL-DOOR-V04-230101	Shell	Insulated Doors	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 - Residential Single Family Heat Pump Loadshape RG01 – Residential Boiler Loadshape RG04 – Residential Other Heating
RS-SHL-FINS-V05-230101	Shell	Floor Insulation Above Crawlspace	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 - Residential Single Family Heat Pump Loadshape RG01 – Residential Boiler Loadshape RG04 – Residential Other Heating
RS-SHL-BINS-V05-230101	Shell	Basement Sidewall Insulation	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 - Residential Single Family Heat Pump Loadshape RG01 – Residential Boiler Loadshape RG04 – Residential Other Heating
RS-SHL-WINS-V07-270101	Shell	Efficient Windows	NC, TOS	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 - Residential Single Family Heat Pump Loadshape RG01 – Residential Boiler Loadshape RG04 – Residential Other Heating
RS-SHL-WINK-V05-260101	Shell	Window Insulation Kits	RF	Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 - Residential Single Family Heat Pump Loadshape RG01 – Residential Boiler Loadshape RG04 – Residential Other Heating

RS-SHL-STRM-V05-260101	Shell	Storm Windows	RF	Loadshape RE07 - Residential Single Family Cooling Loadshape RE06 - Residential Single Family Central Heat Loadshape RE08 - Residential Single Family Heat Pump Loadshape RG01 – Residential Boiler Loadshape RG04 – Residential Other Heating
RS-MSC-RPLP-V03-220101	Miscellaneous	Residential Pool Pumps	TOS, NC, RF	Loadshape RE17 – Residential Pool Pumps
RS-MSC-EVC-V03-270101	Miscellaneous	Level 2 Electric Vehicle Charger	TOS	Loadshape RE19 - Residential Electric Vehicle Charger