



| Smart-E Measures | Technical Standards |
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| Health, Safety, & Resiliency* | |
| Asbestos Abatement (including vermiculite) | |
| ENERGY STAR Cool Roofs | Low Slope ≤ 2/12, Initial Solar Reflectance ≥ 0.65, 3-Year Solar Reflectance ≥ 0.50 |
| | Steep Slope > 2/12, Initial Solar Reflectance ≥ 0.25, 3-Year Solar Reflectance ≥ 0.15 |
| Mold Remediation | |
| Septic System | |
| Whole Home Generator | Must be EPA compliant gas / propane |
| Home Performance / Efficiency* | |
| Air Sealing | Blower-door guided air sealing |
| Ceiling Insulation | Starting R-Value must be ≤ R11, upgrade to ≥ R30 |
| Duct Sealing | Blower door and duct pressurization, post-CFM values ≤ 10% of total fan flow |
| Energy Efficient Zone Heating Controls | |
| Energy Efficient Lighting Systems | Must be LED lighting |
| Floor Insulation | Starting R-Value must be ≤ R-22, upgrade to ≥ R-30 |
| Insulated Mobile Home Skirting | |
| Insulated Vinyl Siding | |
| Wall insulation | Starting R-Value must be ≤ R11, upgrade to ≥ R19 |
| Windows - Solar screens | |
| Windows - Replacement | U-Factor Btu ≤ 0.30; SHGC ≤ 0.25 |
| Heating & Cooling* | |
| Air Source Heat Pump | ≥ 15 SEER, ≥ 11.8 EER, ≥ 8.2 HSPF OR ≥ 14.3 SEER2, ≥ 11.3 EER2, ≥ 6.9 HSPF2 |
| Biomass (Furnace or Boiler) | ASME Certified, ≥ 85% AFUE, Fully Automated |
| Central Air Conditioning | ≥ 15 SEER, ≥ 11.8 EER OR ≥ 14.3 SEER2, ≥ 11.3 EER2 |
| Combination Boiler | Water heating: ≥ 0.87 UEF; Space heating: ≥ 92% AFUE |
| Evaporative Cooling | Saturation Effectiveness > 85% |
| Ductless Mini-Split Heat Pump | ≥ 16 SEER, ≥ 9 HSPF OR ≥ 15.2 SEER2, ≥ 7.6 HSPF2 |
| ECM Boiler Circulator Pump | Installed on any boiler |
| Ground Source Heat Pump | Open Loop: ≥ 3.6 COP, ≥ 16.2 EER OR ≥ 3.6 COP, ≥ 15.8 EER |
| | Open Loop: ≥ 3.6 COP, ≥ 16.2 EER OR ≥ 3.6 COP, ≥ 15.8 EER |
| | Direct Expansion: ≥ 3.5 COP, ≥ 15.0 EER OR ≥ 3.5 COP, 14.4 EER |
| High Efficiency Boiler - Natural Gas and Propane | ENERGY STAR, ≥ 95% AFUE |
| High Efficiency Boiler - Oil | ENERGY STAR, ≥ 87% AFUE |
| High Efficiency Furnace - Natural Gas and Propane | ENERGY STAR, ≥ 92% AFUE |
| High Efficiency Furnace - Oil | ENERGY STAR, ≥ 85% AFUE |
| Natural Gas Conversion - Burner | |

| Natural Gas Conversion - Cost to connect | | |
|---|--|--|
| Pellet Stoves | Must be EPA certified | |
| Steam Boilers - all fuels | ≥ 82% AFUE | |
| Weather Responsive Controls | | |
| Water Heating* | | |
| Heat Pump Water Heater | ENERGY STAR, UEF ≥ 2.8 and FHR of 45 | |
| Natural gas storage or condensing water heater | ENERGY STAR, UEF ≥ .73 | |
| On-Demand Tankless Water Heater - Natural Gas | ENERGY STAR, Energy Factor ≥ 0.94 with electronic ignition | |
| On-Demand Tankless Water Heater - Propane | ENERGY STAR, Energy Factor ≥ 0.92 | |
| Renewables* | | |
| Electric Vehicle Recharging Station | Level II EV charger | |
| Micro CHP | Proof of incentive. If no eligible incentives, case by case review by Smart-E team. Based on power production. | |
| Micro Fuel Cell | Proof of incentive. If no eligible incentives, case by case review by Smart-E team. Based on power production. | |
| Smart Meters | ENERGY STAR | |
| Solar Hot Water Heater | Proof of incentive. If no eligible incentives, case by case review by Smart-E team. Based on power production. | |
| Solar Photovoltaic Battery Back-up | Proof of incentive. If no eligible incentives, case by case review by Smart-E team. Based on power production. | |
| Solar Photovoltaic Islanding Inverters | Proof of incentive. If no eligible incentives, case by case review by Smart-E team. Based on power production. | |
| Solar Attic Fans | Proof of incentive. If no eligible incentives, case by case review by Smart-E team. Based on power production. | |
| Rooftop Solar Photovoltaic | Proof of incentive. If no eligible incentives, case by case review by Smart-E team. Based on power production. | |
| ENERGY STAR Appliances | | |
| Dishwashers, Dryers, Freezer Chests, Rain Barrel, Refrigerators, Stoves/Ovens, Washers | ENERGY STAR rated | |
| Other: Related Energy Measures - Total cost cannot exceed 25% of loan amount | | |
| Other: Electric service upgrade | Up to code | |
| Other: Lead abatement | Please contact IPC | |
| Other: Knob & Tube removal | Please contact IPC | |
| Other: Roof repair | Must be done in conjunction with a Solar PV or ceiling/wall insulation project | |
| Other: Air filtration for air quality | Please contact IPC | |
| Other: Structural remediation | Please contact IPC | |
| Other: Tree removal | Must be done in conjunction with a Solar PV project | |
| Other: Unlisted but relevant to improving the energy performance, safety, or resiliency of a home | Please contact IPC | |
| Other: Water efficiency measures | Please contact IPC | |
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 $[\]ensuremath{^{*}}$ Rebates may be available. Please consult with your contractor.

