## Arizona Eligible Measures

## smart-e loan

Smart-E Measures	Technical Standards	
Health, Safety, & Resiliency*		
Asbestos Abatement (including vermiculite)		
ENERGY STAR Cool Roofs	Low Slope $\leq 2/12$ , Initial Solar Reflectance $\geq 0.65$ , 3-Year Solar Reflectance $\geq 0.50$	
	Steep Slope > 2/12, Initial Solar Reflectance $\ge$ 0.25, 3-Year Solar Reflectance $\ge$ 0.15	
Mold Remediation		
Whole Home Generator	Must be EPA compliant gas / propane	
Home Per	formance / Efficiency*	
Air Sealing	Blower-door guided air sealing	
Ceiling or Attic Insulation	Starting R-Value must be $\leq$ R11, upgrade to $\geq$ R38	
Duct Sealing	Blower door and duct pressurization, post-CFM values $\leq$ 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 $\leq$ R-22, upgrade to $\geq$ R-30	
Wall insulation	Starting R-Value must be $\leq$ R11, upgrade to $\geq$ R19	
Windows - Solar screens		
Windows - Replacement	ENERGY STAR Rated for Appropriate Climate Zone, U-Factor Btu $\leq$ 0.30; SHGC $\leq$ 0.4	
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: $\geq$ 0.87 UEF; Space heating: $\geq$ 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	
	Closed Loop: ≥ 3.3 COP, ≥ 14.1 EER OR ≥ 3.6 COP, ≥ 13.6 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		
Steam Boilers - all fuels	≥ 82% AFUE	
Weather Responsive Controls		

Water Heating*		
Heat Pump Water Heater	ENERGY STAR, UEF $\geq$ 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.	
Other: Related Energy Measures - Total cost cannot exceed 25% of loan amount		
Other: Electric service upgrade	Up to code	
Other: ENERGY STAR appliances	Refrigerators, ovens, dish washer, clothes washers, swamp coolers, etc.	
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	

\* Rebates may be available. Please consult with your contractor.

