



**ClimateSmart**  
**LOAN PROGRAM**  
**Residential Eligible Measures List**

ENERGY EFFICIENCY MEASURES				
Category	Measure	Minimum Efficiency / Certification Requirements	Estimated Installed Cost	Available Rebates and Tax Credits <sup>1</sup>
Air Sealing and Ventilation	Air sealing	Air sealing level must be measured by a blower door before and after improvement is made, and mechanical ventilation must be installed if air sealing reduces air changes per hour to below 0.35.	\$500-\$3000	<b>Xcel rebate:</b> 20%, up to \$300* <b>County (non-Xcel) rebate:</b> 20%, up to \$300*
	Duct sealing		\$300-\$1200	Not clear if Xcel insulation/air sealing rebate applies here
	Energy or heat recovery ventilator		\$300-\$2500	none
	Whole house fan	Must have controls (thermostat or timer, multi-speed). Fan opening must be properly insulated and sealed in winter.	\$300-\$2500	none
	Attic fan	Must have controls (thermostat or timer, multi-speed). Fan opening must be properly insulated and sealed in winter. May be solar-powered.	\$150-\$750	none
Insulation	Attic	R-38 minimum required in open attic; cathedral ceilings will vary.	\$500-\$3500 (\$1.50-\$1.75/sq foot)	<b>Xcel rebate:</b> 20%, up to \$300* <b>County (non-Xcel) rebate:</b> 20%, up to \$300* <b>Fed tax credit:</b> 30%, up to \$1500**
	Wall	R-19 minimum, or fill wall cavity (e.g. for 2x4, R-13 will fill wall cavity)	\$500-\$3500 (\$1.25-\$1.50/sq foot)	<b>Xcel rebate:</b> 20%, up to \$300* <b>County (non-Xcel) rebate:</b> 20%, up to \$300* <b>Fed tax credit:</b> 30%, up to \$1500**
	Floor (over unconditioned space)	R-19 minimum	\$1.50/sq foot	none
	Ducts (in unconditioned space)	R-8 minimum		none
	Perimeter (foundation)	R-10 minimum	\$1.50/sq foot	<b>Fed tax credit:</b> 30% up to \$1500**
Space Heating and Cooling	High efficiency furnace	AFUE $\geq$ 90 %, plus sealed combustion. If home design precludes direct venting, an upgrade to minimum 80% AFUE is eligible.	\$1700-\$10000	<b>Xcel rebate:</b> AFUE 92% = \$80, AFUE 94% = \$120 <b>Federal tax credit:</b> 30%, up to \$1500**
	Boiler	AFUE $\geq$ 84%	\$3600-\$6200	<b>Xcel rebate:</b> \$120 for AFUE $\geq$ 84% <b>Fed tax credit:</b> 30%, up to \$1500**
	Ground source heat pump	Closed loop only. Must meet Energy Star: EER $>$ 14.1, COP $\geq$ 3.3. Installer must be IGSPHA certified.	\$15000-\$37500	<b>United Power rebate:</b> \$2500, plus \$150/ton from Tri-State G&T <b>Fed tax credit:</b> 30%
	Radiant heating and cooling (floor, wall, and ceiling)	Radiant systems must be powered by a heat pump (electric or gas-fired, or ground-source), efficient gas boiler, or solar system (not by electric resistance)	\$4000-\$20000	none
	Evaporative cooler	May not be installed along with an AC system; a home may have one or the other.	\$700-\$3900	<b>Xcel rebate:</b> up to \$500
	Central air conditioner	14 SEER and 12 EER or higher for split systems; 14 SEER and 11 EER or higher for packaged systems. Only homes that currently have a central air system are eligible for an upgrade to a more efficient AC system.	\$3,000-\$15,000	<b>Fed tax credit:</b> 30%, up to \$1500**
	Programmable Thermostats		\$30-\$300	<b>Xcel rebate:</b> \$25, with furnace upgrade

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Water Heating	Demand/tankless	Energy Factor of 0.62 or higher (Energy Star Listed)	\$200-\$1500	<b>Xcel rebate:</b> \$100 <b>PVREA rebate:</b> up to \$120 <b>Fed tax credit:</b> 30%, up to \$1500**
	High efficiency natural gas storage	Energy Factor of 0.82 or higher (Energy Star Listed)	\$1000-\$2000	<b>Xcel rebate:</b> \$80 <b>Fed tax credit:</b> 30%, up to \$1500**
Lighting	Fixtures, ballasts	T-4, T-5 or T-8 fixtures with electronic ballasts		none
	Timers, sensors			none
Daylighting	Lightshelves			none
	Tubular skylights		\$150-\$600 each	<b>Fed tax credit:</b> 30%, up to \$1500**
Windows, Doors and Skylights	Exterior windows and glass doors	Replacements only; not newly created windows and doors. U Value of 0.35 or less, low-e glass. Replacement windows permitted only as part of a package that includes air sealing and/or insulation, unless applicant can verify they have already completed priority air sealing and insulation measures.	\$425-\$700 each	<b>Fed tax credit:</b> 30%, up to \$1500**
	Storm windows	Meets IECC in combination with the exterior window over which it is installed, for the applicable climate zone.		<b>Fed tax credit:</b> 30%, up to \$1500**
	Insulating shutters			none
	Insulating exterior doors	R-6.5 minimum. Foam insulated metal or fiberglass doors with weather-stripping and threshold. Any glass must be double paned and tempered.	\$200-\$4000 each	<b>Fed tax credit:</b> 30%, up to \$1500**
	Skylights	Upgrades only, not new skylights. U value of 0.35 or less, low-e glass.	\$200-\$3000 each	<b>Fed tax credit:</b> 30%, up to \$1500**
Reflective Roof	Metal or asphalt roof	Reflective Shingles/Energy Star Qualified	\$350/hundred sq feet	<b>Fed tax credit:</b> 30%, up to \$1500**
Pool Equipment	High efficiency pool circulating pump	Variable flow and/or multi-speed with controllers. May only be financed by taxable/open bond funds (not income-qualified).	\$2000-\$2500	none
	Automatic pool cover	May only be financed by taxable/open bond funds (not income-qualified).	\$2000-\$10000	none
	Air source heat pump	HSPF >= 9, EER >= 13, SEER >= 15. May only be financed by taxable bond funds.		none
Landscaping	Focused on heating/cooling	Example: plant deciduous trees on south side of house. Consider future shading as trees grow. May only be financed by taxable/open bond funds (not income-qualified).		none
RENEWABLE ENERGY MEASURES				
Solar hot water	Rooftop (Includes replacement for orphan solar hot water systems)	Must be rated by the Solar Rating and Certification Corporation	\$1000-\$6000	<b>United Power rebate:</b> up to \$3000 <b>County rebate:</b> \$750 - \$1500 for new systems <b>Fed tax credit:</b> 30% of cost
	Pool	Must be rated by the Solar Rating and Certification Corporation. May only be financed by taxable/open bond funds (not income-qualified).	\$2000-\$4000	none
	Hot tub	Must be rated by the Solar Rating and Certification Corporation		none
Solar photovoltaics		Must be on California Energy Commission approved product list.	\$15,000-\$75,000 (for a 1.5-10 kW system)***	<b>Xcel rebate:</b> \$3.50/watt*** <b>United Power and Longmont Power rebates:</b> \$3.00/watt, up to \$9000 <b>Fed tax credit:</b> 30% of cost
Small wind			\$6000-\$22000	<b>Fed tax credit:</b> 30%, up to \$500 per half kW
Wood/pellet stoves (Biomass only, no gas)	Pellet stoves	Minimum efficiency 78%, must be right-sized (not too big for house). Only upgrades to a more efficient model are eligible, not new stove installations, unless home currently uses electric heat.	\$1,700-\$3,000 (not including installation)	<b>Fed tax credit:</b> 30%, up to \$1500**
	High efficiency fireplaces & fireplace inserts	Only retrofits of existing fireplaces are eligible; not newly constructed fireplaces. Minimum efficiency 75%.	\$1000-\$2500	<b>Fed tax credit:</b> 30%, up to \$1500**
	Advanced combustion / gasification wood or pellet stoves	Minimum efficiency 75%. Only upgrades to a more efficient model are eligible, not new stove installations, unless home currently uses electric heat.	\$2000-\$3000	<b>Fed tax credit:</b> 30%, up to \$1500**

<sup>1</sup>Rebate and tax credit information is provided by the County as a guide for loan program applicants. Please note that this information is subject to change and applicants should verify available rebates and tax credits with their contractor and/or tax advisor. Certain rebates and tax credits require additional efficiency or certification requirements beyond the County's requirements.

\*Rebates with this asterisk are capped at a combined \$300 per customer per natural gas meter

\*\*Federal tax credits with these asterisks are capped at a combined \$1500 per homeowner.

\*\*\* Xcel Energy customers may only request loan funds for the net cost remaining after Xcel Solar Rewards rebates and REC payments