



**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 >= 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 >= 84%   | \$3600-\$6200                        | <b>Xcel rebate:</b> \$120 for AFUE >= 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 >=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  |
| ENERGY EFFICIENCY MEASURES CONTINUED |  |   |                                      |   |
| Category                             | Measure  | Minimum Efficiency / Certification Requirements   | Estimated Installed Cost             | Available Rebates and Tax Credits <sup>1</sup>  |

|                                     |   |  |   |   |
|-------------------------------------|---|--|---|---|
| <b>Water Heating</b>                | Demand/tankless   | Energy Factor of 0.82 or higher (Energy Star Listed)   | \$200-\$1500                                  | <b>Xcel rebate: \$100 PVREA rebate: up to \$120 Fed tax credit: 30%, up to \$1500**</b>   |
|                                     | High efficiency natural gas storage                                       | Energy Factor of 0.82 or higher (Energy Star Listed)   | \$1000-\$2000                                 | <b>Xcel rebate: \$80 Fed tax credit: 30%, up to \$1500**</b>  |
| <b>Lighting</b>                     | Fixtures, ballasts  | T-4, T-5 or T-8 fixtures with electronic ballasts  |   | none  |
|                                     | Timers, sensors   |  |   | none  |
| <b>Daylighting</b>                  | Lightshelves  |  |   | none  |
|                                     | Tubular skylights   | Must contain moveable insulation   | \$150-\$600 each                              | <b>Fed tax credit: 30%, up to \$1500**</b>  |
| <b>Windows, Doors and Skylights</b> | 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: 30%, up to \$1500**</b>  |
|                                     | Storm windows   | Meets IECC in combination with the exterior window over which it is installed, for the applicable climate zone.  |   | <b>Fed tax credit: 30%, up to \$1500**</b>  |
|                                     | Insulating shutters   |  |   | none  |
|                                     | Insulating exterior doors   | R-8 minimum  | \$200-\$4000 each                             | <b>Fed tax credit: 30%, up to \$1500**</b>  |
|                                     | Skylights   | Upgrades only, not new skylights. U value of 0.35 or less, low-e glass. Must contain moveable insulation.  | \$200-\$3000 each                             | <b>Fed tax credit: 30%, up to \$1500**</b>  |
| <b>Reflective Roof</b>              | Metal or asphalt roof   | Energy Star listed   | \$350/hundred sq feet                         | <b>Fed tax credit: 30%, up to \$1500**</b>  |
| <b>Pool Equipment</b>               | 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  |
| <b>Landscaping</b>                  | 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  |
| <b>RENEWABLE ENERGY MEASURES</b>    |   |  |   |   |
| <b>Solar hot water</b>              | Rooftop (Includes replacement/repairs for orphan solar hot water systems) | Must be rated by the Solar Rating and Certification Corporation  | \$1000-\$6000                                 | <b>United Power rebate: up to \$3000 County rebate: \$750 - \$1500 for new systems Fed tax credit: 30% of cost</b>                |
|                                     | 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  |
| <b>Solar photovoltaics</b>          |   | Must be on California Energy Commission approved product list.   | \$15,000-\$75,000 (for a 1.5-10 kW system)*** | <b>Xcel rebate: \$3.50/watt*** United Power and Longmont Power rebates: \$3.00/watt, up to \$9000 Fed tax credit: 30% of cost</b> |
| <b>Small wind</b>                   |   |  | \$6000-\$22000                                | <b>Fed tax credit: 30%, up to \$500 per half kW</b>   |
| <b>Wood/pellet stoves</b>           | 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: 30%, up to \$1500**</b>  |
|                                     | 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: 30%, up to \$1500**</b>  |
|                                     | 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: 30%, up to \$1500**</b>  |

\*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