

**Ent's Energy Smart Discount Program**  
Qualifying Home Improvements

Measure	Minimum Standard
<b>Heating &amp; Cooling</b>	
Boilers	85%+AFUE
Furnaces	90%+AFUE
Central Air Conditioners	14+SEER
Electric Air – Source Heat Pumps	15+SEER and 8.2+HSPF
Evaporative Coolers	N/A
Ground Source Heat Pumps	3.6+ COP
Programmable Thermostats*	Energy Star labeled product
Room Air Conditioners	<6,000 Btu/hr = at least 10.7 SEER 6,000-7,999 Btu/hr = at least 10.7 SEER 8,000-13,999 Btu/hr = at least 10.8 SEER 14,000-19,999 Btu/hr = at least 10.7 SEER >20,000 Btu/hr = at least 9.4 SEER
Miscellaneous	<ul style="list-style-type: none"> <li>• When installing high efficiency space heating equipment, any associated ductwork, grilles, diffusers, and air cleaners can be financed along with the equipment.</li> <li>• When a heating system is replaced, asbestos abatement necessary to install the new heating unit may be financed.</li> <li>• Incidentals such as electrical work associated with the installation of a new high-efficiency air conditioner are eligible for financing.</li> <li>• Upgrading electrical service (e.g., going from 60-amp to 100-amp service) is eligible for financing if installed with high efficiency heating/cooling equipment.</li> </ul>
<b>Water Heaters</b>	
Electric Water Heater	.93+ Energy Factor
Natural Gas <49 Gallon Water Heater	.80+ Energy Factor
Natural Gas 50+ Gallon Water Heater	.80+ Energy Factor
<b>Insulation</b>	
Attic Insulation	As near as possible to R-49
Wall Insulation	Fill cavity to capacity
Floor insulation*	R-25
Crawl Space Insulation*	R-19
Slab Edge Insulation*	R-8
Basement Insulation*	R-11
Weather-stripping*	All covered
Pipe Insulation*	All covered
Caulking*	All covered

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Duct Sealing*	All covered
Miscellaneous	Incidentals such as attic venting which are required with the installation of attic insulation are eligible for financing.
<b>Appliances</b>	
Clothes Dryer – Electric	Energy Star
Clothes Dryer – Gas	Energy Star
Clothes Washer	Energy Star
Dishwasher	Energy Star
Ranges & Ovens	Energy Star
Refrigerators/ Refrigerators-Freezers/Freezers	Energy Star
<b>Windows &amp; Doors</b>	
Replacement windows or Replacement Sash Kits	Energy Star
Replacement Exterior Doors	Urethane core 5-13.5 or Polystyrene core 5-7.5
Storm-windows and Doors	All Units
<b>Fuel Switching</b>	
Space Heater Conversion	Same efficiency as standard units
Water Heating Conversions	Same efficiency as standard units
Gas Line Extensions	City Code
Range Conversion	City Code
Dryer Conversion	City Code
Electric line Extensions	City Code
Wastewater line Extensions	City Code
<b>Miscellaneous Plumbing &amp; Electrical Repairs</b>	
Electrical Service Upgrades/rewiring	Upgrade to current codes
Plumbing Upgrades and Retrofitting	Upgrade to current codes
Water Backflow Devices	EPA Regulations/Guidelines
<b>Service Line Repairs/Replacement</b>	
Water	
Wastewater	
Natural Gas	

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<b>Landscape Addition June 2001</b>	
<b>Landscaping</b>	<p><b>Design &amp; Construction:</b></p> <ul style="list-style-type: none"> <li>• New or retrofit Xeriscape design and construction that incorporates the seven Principles of Xeriscape Design and construction must include less than 40% turf grass total area, e.g. cool season grass such as blue grass, fescue and rye. Turf not allowed on slopes greater than 5:1 (A slope that rises one foot in a distance of 5 feet, otherwise expressed as a slope of 20%)</li> </ul> <p><b>Plant Materials:</b></p> <ul style="list-style-type: none"> <li>• Turf grass*: Bluegrass, Fescue and Rye (sod or seed). Soil amendment required.</li> <li>• Native seed, warm or cool season turf*: Broadcast seed, hydro seed, drill &amp; seed.</li> <li>• Plants: Trees, shrubs and perennials must be planted and irrigated in separate hydro zones from turf areas. Trees and planting beds must be mulched to the appropriate depth using organic mulch.</li> </ul> <p><b>Soil amendments:</b></p> <ul style="list-style-type: none"> <li>• Compost, sphagnum peat, humus or wood chips (Mountain peat not allowed), 3.5 cubic yards per 1000 sq. feet of planting area incorporated (tilled) into existing soil.</li> <li>• Required if turf grass is used – Strongly recommended soil prep for ALL landscaped areas.</li> </ul> <p><b>Hardscape materials:</b></p> <ul style="list-style-type: none"> <li>• Retaining walls and patio areas: rock, boulders, flagstone, concrete, timbers, brick pavers or keystone*.</li> <li>• Decking material and storage sheds (construction or installation): lumber, recycled plastic timbers, nails screws and materials.</li> </ul> <p><b>Mulch*:</b></p> <ul style="list-style-type: none"> <li>• Organic Mulch (shredded wood chips or bark), placed directly on the soil surface 3 – 4 inches deep.</li> <li>• Inorganic Mulch (rock and cobble) used in areas without vegetation and surrounding the house foundation.</li> <li>• No plastic is allowed under inorganic mulch.</li> </ul>

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<p align="center"><b>Tree Care</b></p>	<ul style="list-style-type: none"> <li>• Pruning and Removal of large trees</li> <li>• Treatment for disease and insects</li> <li>• Service must be provided by a certified and/or licensed arborist</li> </ul>
<p align="center"><b>Irrigation</b></p>	<p>Irrigation System Design and Installation (or retrofit):</p> <ul style="list-style-type: none"> <li>• Programmable clock to change sprinkler run times to match season and plant needs</li> <li>• Uniform distribution and matched precipitation rate nozzles on each sprinkler zone</li> <li>• Separate zones for turf areas and shrubs and tree areas.</li> <li>• System must include rain shut-off device or use a climate or sensor-based controller</li> <li>• Drip Irrigation System or soaker hose to be used for shrub and flower beds or garden areas</li> <li>• Irrigation can be professionally contracted or can be installed by the homeowner</li> </ul>
<p align="center"><b>Photovoltaic (PV) Systems</b> (Addition on Jan 1, 2006)</p>	
<p>Photovoltaic (PV) Modules</p>	<p>See California Energy Commission Website: <a href="http://www.gosolarcalifornia.org/equipment/pvmodule.php">www.gosolarcalifornia.org/equipment/pvmodule.php</a></p>
<p>Inverters</p>	<p>See California Energy Commission Website: <a href="http://www.gosolarcalifornia.org/equipment/inverter.php">www.gosolarcalifornia.org/equipment/inverter.php</a></p>
<p>Solar Domestic Hot Water Systems</p>	<p>See summary of Solar Rating Certification Corporation (SRCC) certified solar collector and water heating system ratings Website: <a href="http://www.solar-rating.org/SUMMARY/Dirsum.pdf">www.solar-rating.org/SUMMARY/Dirsum.pdf</a> .</p>