

**Appendix C: Business Energy Solutions Firm Sales New Construction/Existing Buildings**

Projected 2007-2008	157,095	Therms Savings	Projected 2007-2008	\$474,871	Costs
Projected 2008-2009	227,380	Therms Savings	Projected 2008-2009	\$712,500	Costs
Projected 2009-2010	329,996	Therms Savings	Projected 2009-2010	\$994,495	Costs

Measure	Description	Efficiency Type For Qualification	Unit Incentive
HVAC Unit Heater	High-Efficiency Non-Condensing with Electronic Ignition	Minimum 86% AFUE	\$1.50/kBtu/hr
HVAC Unit Heater	High Efficiency Condensing	Minimum 92% AFUE	\$3.00/kBtu/hr
Warm Air Furnace< 225,000 kBtu	High Efficiency Condensing Furnace	Minimum 91% AFUE	\$3.00/kBtu/hr
Radiant Heating	Direct Fired Radiant Heating	None	\$6.50/kBtu/hr
Insulation	Attic Insulation	Minimum R-19	\$0.20/sq. ft.
Insulation	Roof Insulation	Minimum R-11	\$0.20/ sq. ft.
Insulation	Wall Insulation	Minimum R-11	\$0.20/ sq. ft.
Domestic Hot Water Tanks	Condensing Tank	Minimum 91% AFUE or 91% Thermal Efficiency	\$2.50/kBtu/hr
Domestic Tankless/ Instantaneous Water Heaters	With Standing Pilot	Minimum 70.8% Energy Factor	\$30.00/gpm
Domestic Tankless/ Instantaneous Water Heaters	With Electronic Ignition	Minimum 73.8% AFUE	\$40.00/gpm
Boiler	High Efficiency Condensing Boiler with Electronic Ignition	Minimum 90% AFUE and 500 kBtu input	\$2.00/kBtu/hr
Boiler Vent Damper	Boiler Vent Damper	Minimum 1,000 kBtu input	\$1,000/ vent damper
Gas Fryer	Energy Star	None	\$600.00
Gas Convection Oven	Full Sized Oven (Cooking capacity 6 cubic feet or more)	None	\$600.00
Gas Griddle	High Efficiency Infrared Gas Griddle	None	\$500.00
Clothes Washer	Commercial Gas Washer	1.8 MEF	\$180.00

Cascade will work with a third party to help building owners identify and understand and adopt the energy efficiency practices that can lower operating costs, create a more comfortable space and make the most of the new building or major renovation projects. The third party project specialist will work with the building designers, architects, engineers and contractors to increase the efficiency of the new building or major renovation projects well above local building codes and standard practice.

Eligibility for program:

- New construction both New/Existing Commercial and Industrial customers on Rate Schedule 504, 505 or 511
- Mixed used buildings of any size, residential buildings with four or more stories.
- Major renovation projects in which at least two energy systems are being replaced such as HVAC, fenestration or other natural gas systems.
- Facilities must be in Cascade Natural Gas Service Territory