

CITY OF SF MULTIFAMILY INCENTIVE-REBATE RESOURCES

QUESTIONS?	CITY & COUNTY OF SAN FRANCISCO Lowell Chu: 415-355-3738 or lowell.chu@sfgov.org	SF PUC 415-551-4730 or waterconservation@sfgwater.org	PG&E Karen Contreras: 415-973-1022 or kxct@pge.com
APPLIANCES			
Clothes Washer - Inside Residence	\$75.00 (Level 1) \$100 (Level 2)	\$125 combined water and energy for CEE Tiers 2 and 3 (\$75/SFPUC and \$50/PG&E)	
Clothes Washer - Common Area	Tier 1 - \$75.00 / Tier 2 - \$100 Tier 1 (Coin-op) - \$250 / Tier 2 (Coin-op) - \$350	Commercial and Leased (WF 4.5 or less) up to \$200 from SFPUC qualifying list	\$150 (Level 1 or 2)
Refrigerator Recycling	\$35.00	-	
High Efficiency Dishwasher (<324-kWh/Yr, <5.8 gal/cycle)	\$50.00	-	\$30
Super High Efficiency Dishwasher (<307 kWh/Yr, <5.0 gal/cycle)	-	-	\$50
Vending Machine Controller	Free (up to \$175)	-	-
WEATHERIZATION			
Attic Insulation (CZ and R-value Restrictions)	R0 to R30 = \$0.30/sq-ft R0 to R38 = \$0.38/sq-ft	-	\$0.15/sq-ft
Wall Insulation	-	-	R13 or > = \$0.50/sq-ft
Cool Roof	-	-	Contact PG&E
Windows	U-factor <= 0.35 & SHGC <= 0.32 = \$ 0.15 / sq-ft	-	\$0.75 / sq-ft
WATER USE FIXTURES			
Toilets	-	\$125 (1.28 gpf or less; Tank Style) \$200 (Flush-O-Meter Style)	-
Urinals	-	\$200 (0.125 gpf to waterless) & \$100 (0.25 to 0.5 gpf)	-
Natural Gas Using Equipment			
Indoor Thermostat	\$300	-	-
Time Clock	\$100	-	-
Insulation, Piping - 1/2" to 2" diameter	\$10.50 per ft	-	-
Insulation, Piping - 2" to 4" diameter	\$11.50 per ft	-	-
Insulation, Piping - 4" & larger	\$12.50 per ft	-	-
Insulation, Storage Tank - 1-1/2" thick	\$4.00 per sq-ft	-	-
Insulation, Storage Tank - 2" thick	\$ 6.00 per sq-ft	-	-
STEAM BOILER & EQUIPMENT			
Boiler Steam - Low Pressure (< 15-psi)	Up to \$ 20.00 per MBH Input	-	-
Valve, Thermostatic Radiator - Steam	\$200.00	-	-
Radiator - Steam	\$500.00	-	-
Steam Trap - Radiator	\$100.00	-	-
Steam Trap - Steam Main, Cond, or Drip	\$200.00	-	-
Air-Vent - Radiator	\$50.00	-	-
Air-Vent - Main Steam Header	\$100.00	-	-
Pump, Vacuum	\$1,000.00	-	-
Condensate Receiver & Boiler Feed System	\$750.00	-	-

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LIGHTING			
T8 or T5 Retrofit - Common Area	\$958 per kW-reduced	-	Base on Fixture Type & # of Lamps
De-lamp	\$958 per kW-reduced	-	\$6.00 per T12 lamp & Mag Ballast Change
T8-T5 Exterior	\$606.31 per kW-reduced	-	Base on Fixture Type & # of Lamps
Hardwired - Common Area	\$534.00 per kW-reduced	-	-
Hardwired - Exterior	\$534.00 per kW-reduced	-	-
Screw-in Exterior (CFL)	\$242.00 per kW-reduced	-	-
Screw-in Common Area (CFL)	\$242.00 per kW-reduced	-	-
Cold Cathode - Common Area	\$404.00 per kW-reduced	-	-
Cold Cathode - Exterior	\$404.00 per kW-reduced	-	-
Custom Lighting - Common Area	\$1,400 per kW-reduced	-	-
Custom Lighting - Common Area Induction & LED	\$1,400 per kW-reduced	-	-
Custom Lighting - Exterior	\$771.93 per kW-reduced	-	-
Custom Lighting - Exterior Induction & LED	\$771.93 per kW-reduced	-	-
Exit Sign	Incandescent Base - \$50 Fluorescent Base - \$30	-	\$35 (regardless of base case)
T8 & T5 Retrofits - Inside Apartments	\$650.00 per kW-reduced	-	-
Hardwire CFL Retrofits -Inside Apartments	\$534.00 per kW-reduced	-	-
Screw-in CFL Retrofits - Inside Apartments	\$242.00 per kW-reduced	-	-
Custom Lighting Retrofits - Inside Apartment	\$606.31 per kW-reduced	-	-
Occupancy Sensors - Common Area	\$500 per kW-controlled	-	\$10.00
Timeclocks & Photocells	\$500 per kW-controlled	-	Timeclock = \$36 Photocell = \$10
Occupancy Sensors - Inside Apartments	\$500 per kW-controlled	-	\$10.00
ENERGY STAR Ceiling Fans with ENERGY STAR CFLs - Common Area	-	-	\$20.00
ENERGY STAR Ceiling Fans with ENERGY STAR CFLs - Inside Apts	-	-	\$20.00
Screw-in R30 CFLs - Common Area & Inside Apartments	-	-	\$8.00
Screw-in R30 CFLs - Common Area & Inside Apartments	-	-	\$10.00
POOL & SPA EQUIPMENT			
Commerical Pool & Spa Heater	-	-	\$2.00 / Mbtuh
Single Speed Pump and Motor	\$122.20	-	-
Variable Speed or Variable Flow Pool Pump	-	-	\$100.00
Variable Speed Pool Pump Motor	-	-	\$100.00
Efficient 2-speed Pool Pump and Motor	-	-	\$100.00
Efficient 2-speed Pool Pump Motor Only	-	-	\$100.00
Two-Speed Pump and Motor with Automatic Controller	\$263.20	-	-
Two-Speed Pump Motor Only	\$263.20	-	-
Variable Speed Pump and Motor with Automatic Controller	\$195.52	-	-

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HEATING HOT WATER BOILER & EQUIPMENT			
Boiler, Heating Hot Water	\$68.18 per Apt Unit & Up to \$ 7.00 per MBH input	-	\$1,500
Motor, Premium Efficiency Pump	\$150.00	-	-
Variable Frequency Drive (VFD)	\$150.00	-	-
Controller, HHW - Digital with On-line Portal	\$43.50 per Apt Unit (up to \$2,500)	-	-
Hot Water Radiator Valve	\$200.00	-	-
Air Vent - High Point Hot Water Main	\$100.00	-	-
Radiator - Heating Hot Water (HHW)	\$500.00	-	-
Domestic Hot Water Boiler & Equipment			
Boiler, Domestic Hot Water (DHW) - Indirect Fire	\$21.52 per Apt Unit & Up to \$ 7.00 per MBH input	-	\$500.00 (Instantaneous Heaters NOT qualified)
Boiler, Domestic Hot Water (DHW) - Direct Fire / Storage Type	\$21.52 per Apt Unit & Up to \$ 7.00 per MBH input	-	EF of 0.62 to 0.64 = \$30.00 EF of 0.65 or Greater = \$50.00
Boiler - Electric Storage	-	-	\$30.00
1.5 GPM High-Efficiency Showerheads	-	Free	\$15.00
1.5 GPM Kitchen and Lavatory Aerators	-	Free	-
Controller, DHW - Digital with On-line Portal	\$43.50 per Apt Unit (up to \$2,500)	-	-
HEATING, VENTILATION & AIR CONDITIONING			
Level 1 Ducted Evaporative Cooler	-	-	\$300.00
Level 1 Ducted Evaporative Cooler w/	-	-	\$400.00
Level 2 Ducted Evaporative Cooler	-	-	\$500.00
Level 2 Ducted Evaporative Cooler w/ New Pressure Relief Damper(s)	-	-	\$600.00
Package Terminal Air Conditioners & Package Terminal Heat Pumps	-	-	\$100.00
ENERGY STAR Room Air Conditioner	-	-	\$50.00
Variable Speed Motor Air Handler System	-	-	\$50.00
90 AFUE Central Natural Gas Furnace	\$3.55 per kBtuh	-	-
92 AFUE Central Natural Gas Furnace	\$3.87 per kBtuh	-	-
94 AFUE Central Natural Gas Furnace	\$4.32 per kBtuh	-	\$150.00
94 AFUE Central Natural Gas Furnace w/ Variable Speed Motor	\$4.57 per kBtuh	-	\$200.00
94 AFUE Central Natural Gas Furnace	-	-	\$250.00
96 AFUE Central Natural Gas Furnace w/ Variable Speed Motor	-	-	\$300.00
SOLAR			
Solar Electric (PV)		GoSolarSF (www.solarsf.org). MF properties can receive residential incentive of \$2000-\$3000 for each unit served by a PV system, with add'l incentives available for using a city-based installer and for units with low-income tenants.	Current CSI (www.gosolarcalifornia.com) residential rebate available to MF is \$0.35/W
Solar Thermal for DHW			CSI-Thermal (www.csithermal.com) provides \$12.82 per therm for natural gas displacing systems based on estimated production in 1st year of operation

Glossary

CEE Tiers 1 and 2: The Consortium for Energy Efficiency (CEE) is a nonprofit public benefits corporation that promotes the manufacturing and purchasing of energy efficient products and services. The tier rating provides details of energy efficiency and savings to the consumer. CEE complements the already popular Energy Star label and is based on the Modified Energy Factor (MEF) and the Water Factor(WF) for any one product. There are three levels of CEE tiers, I, II and III, with the highest number (III) being the best efficiency rating.

CZ: Climate Zones - For the purposes of PG&E's Energy Efficiency Rebates for Multifamily Properties, climate zones are based on energy use, temperature, weather and other factors. They are defined as geographic areas that have similar climatic characteristics.

R-Value: The R-value of insulation indicates its resistance to heat flow. The higher the R-value, the greater the insulating effectiveness.

U-factor: A rating for windows based on how much heat loss is allowed. Generally, U-factors range from 0.2 (very low heat loss) to 1.2 (high heat loss). The U-factor is the inverse of the R-value.

SHGC: Solar Heat Gain Coefficient - This is a measure of how much of the sun's heat is transmitted through building envelope features. It is expressed as a number from 0 to 1. For example, a SHGC of .3 means that the fixture will allow 30% of the sun's heat to pass through.

GPF: Gallons (of water) Per Flush

EF: Energy Factor - Also referred to as Mean Energy Factor (MEP), this is the official energy efficiency metric used to compare relative efficiencies of different clothes washers. EF considers the energy used to run the machine, heat the water, and even to operate the dryer. The higher the EF, the more efficient the clothes washer. The Federal requirement for clothes washer is 1.26. Energy Star requires 2.00.

MBH Input = kBtu/Hr: A unit of energy measurement for natural gas-consuming equipment. It represents 1,000 BTU (British Thermal Units) per Hour.

T8 = A type of linear fluorescent lamp (tube or bulb). It measures 1" in diameter, and it is available in 2ft, 3ft, 4ft, 5ft, 6ft, and 8ft lengths. T8 lamps require the use of an electronic ballast. They provide superior performance, reliability as compared to the older style, T12 (1.5" in diameter) lamps and their magnetic-type ballast.

T5 = A type of linear fluorescent lamp (tube or bulb). It measures 5/8" in diameter, and it is available in metric lengths. T5 lamps also require the use of an electronic ballast.

kW: kilowatts (measurement of power)

CFL: compact fluorescent lamps

AFUE: Annual Fuel Utilization Efficiency - AFUE measures the amount of energy actually delivered to a machine compared to the