Multifamily Energy Efficiency Retrofit Programs

Energy Upgrade California™ Multifamily Program



Multifamily Overview

EUC Multifamily

- Program Description
- Incentives
- Eligible Upgrade Measures
- Participation Process
- Rater Responsibilities
- Rater Eligibility
- Program Timelines



Multifamily Program Description



Performance based whole building/property upgrades

- Comprehensive energy and indoor air quality assessment
- Reduce modeled energy consumption by 10% over existing conditions

Property Eligibility

- 5+ attached units
- Low-rise and high-rise
- Affordable and market-rate

Cash incentives

 Offset a portion of energy efficiency upgrade and assessment costs

Incentives – Energy Upgrade California Multifamily

Percent Improvement	PG&E Incentive (\$/unit)	SCE/SCG Incentive (\$/unit)	SoCal REN Incentive (\$/unit)	SDG&E Incentive (\$/unit)
10%	\$600	\$700	\$200	\$550
15%	\$750	\$800	\$400	\$625
20%	\$900	\$1,000	\$700	\$800
25%	\$1,050	\$1,200	\$950	\$1,000
30%	\$1,200	\$1,400	\$1,200	\$1,200
35%	\$1,350	\$1,600		\$1,350
40%	\$1,500			\$1,500
Assessment Incentives	Additional \$2,500+ per project available to offset cost of assessment	Free assessment by SCE/SCG- contracted consultant	Additional \$5,000+ per project available to offset cost of assessment	Assessment incentive rolled into building owner incentive

Incentives based on percent improvement above existing conditions. Incentives are designed to cover a small portion of total measure cost and are available on a first-come, first-served basis. Incentives can be terminated at any time.



Eligible Upgrade Measures*

Envelope

- Windows
- Roof/attic insulation
- Wall insulation
- Floor insulation
- Cool roof/radiant barrier

Heating and Cooling

- Heating and cooling equipment replacement
- Duct sealing and insulation

Water Heating

- Water heating equipment replacement
- Recirculation controls

Appliances

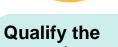
- Indoor and outdoor lighting (hardwired, high-efficacy)
- Refrigerators
- Dishwashers

^{*}Measures based on what can be modeled in EnergyPro5 software. Additional measures may be considered if calculation methodology is backed by a Work Paper filed with the CPUC.



Participation Process





Submit interest form to program implementer

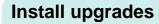
 Implementer determines eligibility and availability of incentives





- Site visit to collect existing conditions
- Energy modeling
- Finalize upgrade scope of work and submit for review
- Incentive reservation





- Owner selects contractor(s) of choice
- Rater verifies installation of scope of work



Receive incentives

- Incentive based on verified scope of work
- Incentive may not exceed total cost of upgrades



Rater Role and Responsibilities

Program liaison

- Communicate program requirements to owner (and contractors)
- Submit project documentation
- Support project throughout upgrade process

Energy and IAQ assessment

- Verify existing conditions (site visit)
- Conduct combustion safety testing
- Complete building energy simulation (EnergyPro5)
 - Residential Performance module for buildings under 4 stories
 - Non residential Performance module for buildings 4 stories or higher (also used for low-rise in SCE/SCG program)
- Recommend energy efficiency upgrades to reach 10% improvement or higher
- Post-construction verification of installed scope of work
 - Verify installed scope of work



Rater Eligibility Varies By Program

Certifications and Training of Value



HERS II or RESNET Rater



BPI Building Analyst



BPI Multifamily Building Analyst



Certified Energy Plans
Examiner



CA Existing Multifamily Training



GreenPoint Rater Existing Home Multifamily

Additional Program Requirements



Signed program agreement



Insurance minimums



Compliance with program policies and procedures



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