



The Claremont Hotel, Club & Spa

“Making the choice to be an energy efficient property is a long-term commitment that involves everyone on our team at the Claremont. Whether we are upgrading our lighting with the latest CFL technology or adding the newest ENERGY STAR® appliances, we are continually auditing our systems and evaluating the most sustainable and energy-efficient upgrades.”

Bruce Carlton
General Manager
Claremont Hotel,
Club & Spa

Enriching Guest Experience while Lowering Costs

Established in 1915, the elegant Claremont Hotel, Club & Spa in Berkeley was conceived as an English estate. The iconic six-building complex includes 279 guest rooms, meeting space, an expansive workout facility and spa, and a full service restaurant.

In recent years, the Claremont Hotel, Club & Spa has embarked on a series of energy-efficiency projects, enriching the atmosphere for guests as well as saving energy and reducing costs. The management team sought to stabilize electricity consumption and cost, while increasing occupancy rates, adding square footage, and enhancing guests’ experience.

Through their partnership with Pacific Gas and Electric Company (PG&E), the Claremont Hotel, Club & Spa completed a series of energy efficiency improvements, receiving \$65,000 in rebates and incentive dollars, and saving approximately \$390,000 in avoided energy costs.

Table 1: Key Energy Efficiency Projects

Project	kW Reduced	Annual kWh Reduced	Annual Therms Reduced	PG&E Rebate
Cold Cathode Lamps	2.86	37,287	0	\$ 624
Commercial Pool Heater	0.00	0	5004	\$ 3,600
Delamping	11.97	71,024	0	\$ 2,702
LED Exit Signs	1.11	9,687	0	\$ 200
Refrigerated Door Gaskets	6.25	54,680	0	\$ 2,083
Screw-In CFL Lamps	163.40	2,084,124	0	\$ 12,872
T8 Lamps and Electronic Ballast	18.47	122,986	0	\$ 11,703
Chiller Replacement	36.50	441,112	0	\$ 31,868
Grand Total	240.62	2,820,900	5004	\$ 65,652

Significant Reduction in Pollutant Emissions

Producing electrical energy from non-renewable resources such as fossil fuels generates carbon dioxide (CO₂), sulfur dioxide (SO₂), and nitrous oxide (N₂O). These pollutants have been linked to ecological problems including global warming and acid rain. Decreasing electricity and natural gas consumption curbs the production of these harmful pollutants. Table 2 summarizes the emissions reductions for the energy-efficiency measures implemented by the resort.

Table 2: Reduction in Emissions

Annual Emissions Avoided	
Pollutant	Emissions Reduced
CO ₂	1,157.42 tons
NOX	0.15 tons

Established in 1915, the Claremont Hotel, Club & Spa in Berkeley has completed several energy-efficiency projects, with an estimated \$390,000 annual energy cost savings.



Lighting Retrofits Throughout the Facility

The Claremont Hotel, Club & Spa staff changed task, ceiling, desk fixture, and bathroom heat lamps in the guest rooms, lobby, corridors, and other public areas. Building engineers, management, and housekeeping collaborated, juggling occupancy schedules and measuring lighting levels in each room to ensure both energy efficiency and aesthetic appeal.

Over the course of the five-week project:

- Compact Fluorescent Lamps (CFLs) replaced incandescent light fixtures in each of the 279 guest rooms.
- CFLs and fluorescent fixtures replaced incandescent lighting in public areas.
- New T8 fluorescent lamps with electronic ballasts were installed, providing substantial energy savings over the older, less-efficient incandescents they replaced.

Since the 2006 lighting project, the hotel remains committed to evaluating and upgrading its lighting systems, giving a brighter feel to the property in public areas and generating continuous energy savings. The CFL retrofit project satisfied all of the Claremont Hotel, Club & Spa's management team's main considerations, which were:

- Improved guest experience – the new CFLs provided more light output per watt than the older fluorescents.
- Profitability – the simple payback period was less than one year.
- Safety – guests see better around the resort, which translates into increased safety.
- Maintenance gains – bulbs with a longer lifetime allow the housekeeping and engineering staff to focus on other issues such as preventative maintenance.

Additional Energy-Efficiency Projects

- Chiller Upgrade - The Claremont Hotel, Club & Spa retired its high-maintenance chiller and installed a new energy-efficient chiller, earning \$31,000 through a PG&E incentive program.
- Refrigeration Equipment - The hotel replaced its refrigeration door gaskets, to better seal their refrigeration system. They are saving an estimated \$7,500 per year in avoided energy costs.
- Pool Heater Retrofit - The hotel installed a new commercial pool heater. Since the unit they chose met the qualifications for a PG&E rebate, they saved \$3,600 off of the total cost for the unit.

Your Next Steps with PG&E

For more information on how PG&E can help you manage energy consumption and reduce costs at your property, visit www.pge.com/hospitality. To get started contact your local PG&E account manager or call the PG&E **Business Customer Service Center** at **1-800-468-4743**.

