



SAMPLE PROJECT

Below is an example retrofit that would qualify for technical assistance and rebates under NEO. Depending on the application, your savings may vary.

EXISTING 2'X4' THREE-LAMP FIXTURE

Existing configuration:

- Three 700 series T8 lamps
- Generic electronic ballast

Replaced with:

- Two 850 series T8 lamps,
- Energy-efficient electronic ballast, and
- Reflector

The Results:

In a 20,000 sq.ft. office with 250 fixtures, this retrofit generates:

- Annual savings of \$4,000 representing a 39% lower lighting bill
- Cash incentive payment of \$3,800

The estimated payback including the NEO incentive is 3.4 years; assuming \$0.13/kWh and 3,500 annual operating hours, or 67 hours per week.

This retrofit reduces the lighting power density from 1.1 Watts per sq. ft. to 0.7 Watts per sq. ft. with no perceivable reduction in light levels.



NEO - Lighting New Efficiency Options Contact Information

NEO Project Manager
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NEO - Lighting New Efficiency Options



Lighting the way with New Efficiency Options

Pacific Gas and Electric Company's (PG&E) New Efficiency Options (NEO) Program helps you upgrade to the latest in high efficiency lighting technology. Participating customers receive cash incentives and expert technical support to help optimize energy and cost savings.

Recent advances in lighting technology could reduce your lighting costs by 15–35% annually—even if you already have T8 lamps and electronic ballasts in your facility.

T8 lighting systems that were installed in early-to-mid 1990s are approaching the end of their rated useful life. PG&E's commercial customers who were early adopters of those systems may be eligible for increased incentives on retrofiting. Enroll in NEO and take advantage of technological innovations that further reduce your energy consumption.



BENEFITS OF NEO

Technical Assistance

PG&E provides to NEO participants no-cost expert consultation with professionals who are familiar with the newest, state-of-the-art technologies. They will provide you with written specifications customized for your facility and will walk you through the entire process to ensure that you capture the available savings and to guarantee your satisfaction and understanding.

Cash Incentives - \$430/kW

Cash incentives equal \$430 per kW saved, which can cover nearly 30% of the installed costs, helping reduce the payback period of the new system.

Lighting retrofit projects may also qualify for federal tax deductions under the Energy Policy Act of 2005 (EPACT). Visit energy.gov/taxbreaks.htm for more information, and please consult a tax professional for additional details.



ELIGIBILITY INFORMATION

Office, Retail and Medical Facilities

Eligible NEO participants are offices, retail, and medical facilities that are PG&E non-residential electric distribution customers and pay the public purpose surcharge found on most commercial electric accounts. Enrollment in NEO and project completion must occur on or prior to December 1, 2008.

Install lighting measures to reduce peak demand including:

- Replacing 1st generation T8 lamps and generic electronic ballasts with 3rd generation T8 lamps and extra-efficient electronic ballasts;
- Replacing recessed T12 or T8 fixtures with suspended indirect/direct fixtures featuring 3rd generation T8 lamps and extra-efficient ballasts or T5/T5HO;
- Replacing halogen or incandescent spot lights with ceramic metal halide lamps and fixtures;
- Replacing fluorescent refrigerator/freezer case lighting with LED refrigerator/freezer case lighting;
- Replacing neon, incandescent or fluorescent channel signs with LED channel signs; and
- Replacing magnetically-ballasted HID fixtures with electronically-ballasted HID fixtures.



For questions on eligibility, please contact NEO-Lighting at **866-348-2399** or NEO-Lighting@pge.com.