

FEDERAL AND STATE



LIGHTING PROGRAM

**Spectrally Enhanced  
Lighting can save  
approximately  
30% over basic  
T8 lighting.**

**The Federal and  
State E5K Lighting  
(E5K) program  
provides technical  
support and cash  
incentives to help  
you meet mandated  
energy consumption  
reduction goals.**

Spectrally Enhanced fluorescent lamps with a Correlated Color Temperature (CCT) of 5,000K have been demonstrated by the US Department of Energy to enhance visual responses to lighting, allowing for reductions in lighting power densities when compared to more commonly used 3,000 – 4,100K CCT lamps.



#### **SIMPLY PUT, E5K LIGHTING IS:**

- **Energy Efficient**  
*(23-30% energy and peak load reduction)*
- **Environmentally Friendly**  
*(Low mercury lamps)*
- **Economical**  
*(Cost effective installation, short paybacks)*
- **Ergonomic**  
*(Improved visual comfort)*
- **Easy to implement**  
*(Simple retrofits)*

*“Scotopic lighting is the most promising new lighting technology that can be rapidly deployed to significantly reduce energy use.”*

Will Lintner, P.E.  
Team Lead, Renewables,  
Sustainability, Tech Transfer (RSTT)  
DOE/FEMP

*“In addition to the 20% energy savings in the new lighting system, building occupants have reacted favorably to the quality of illumination from the 5000K lamps. Personnel have noted that their work environment appears visually brighter and crisp with very good color rendition. We are in the process of adopting the 5000K lamp as our standard for all buildings within our installation here at Naval Base Ventura County.”*

Tom Santojanni  
Energy Manager  
Naval Base Ventura County

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Federal and state owned/leased facilities have energy conservation mandates requiring them to reduce energy consumption. Installing properly designed spectrally enhanced lighting systems may reliably save 25% over basic grade T8 systems and up to 50% in older systems, helping make these energy reduction goals attainable. E5K packages technical assistance and rebates to make implementing spectrally enhanced lighting easy.

#### **LIGHTING SPECIFICATION**

Since a higher level of design expertise is necessary for spectrally enhanced lighting retrofits compared to most normal lighting retrofits, the E5K provides expert lighting professionals to you at no cost. These experienced professionals are familiar with spectrally enhanced lighting technologies and will identify savings opportunities that go beyond your standard retrofit and provide you with written specifications customized for your facility.

#### **CASH INCENTIVES**

To supplement the technical assistance and to encourage facilities to implement the recommendations, E5K also offers \$300/peak kW to reduce the pay-back period of installing the new system. These cash incentives will help the project pay for itself. Funding is limited and is available on a first come, first served basis while funding lasts.

#### **ELIGIBLE FACILITIES MUST:**

- Be a federal or state owned/leased building.
- PG&E electric distribution customer and pay the public purpose surcharge found on most commercial electric accounts.
- Install spectrally enhanced lighting in an area encompassing at least 20,000 square feet

For questions on eligibility, please contact the program at (510)482-4420 ext 230.

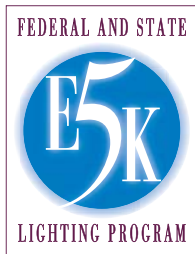
#### **IMPORTANT DATES:**

- To receive free technical assistance and cash incentives, customers must enroll in the E5K program with a letter of intent on or prior to October 1, 2008.
- Lighting work must show progress toward completion within 90 days of enrollment and must be completed (lighting measures installed and installation report forwarded to Program) by December 15, 2008.

**E5K**

# E N E R G Y O L U T I O N S

Oakland, California



California consumers are not obligated to purchase any full-fee service or other service not funded by this program. This program is funded by California utility ratepayers under the auspices of the California Public Utilities Commission.