

## Final Ex Ante Review Findings

**Table 1-1: Project Information**

<b>IOU</b>	Pacific Gas & Electric (PG&E)
<b>Application ID</b>	2K13212585
<b>Application Date</b>	9/5/2013
<b>Program ID</b>	PGE21011
<b>Program Name</b>	Commercial Calculated Incentives (NRR Core)
<b>Program Year</b>	2013
<b>Itron Project ID</b>	X430
<b>IOU Ex Ante Savings Date</b>	1/30/2014
<b>Measure Name</b>	LED lighting and advanced controls
<b>Project Description</b>	Replace T8 and T5 linear fluorescents with reduced wattage T8 fluorescents and LED lamps
<b>Date of CPUC Staff Review</b>	3/3/2014
<b>Primary Reviewer / Firm</b>	Sepideh Shahinfard / Itron
<b>Review Supervisor / Firm</b>	Leonel Campoy / Itron
<b>CPUC Staff Project Manager</b>	██████████ / California Public Utilities Commission, Energy Division
<b>CPUC Staff Policy Authorization (as needed)</b>	
<b>Type of Review (Desk, On-site, Full M&amp;V, Tool)</b>	Desk
<b>CPUC Staff Recommendation</b>	CPUC staff has reviewed the proposed initial estimate of 65,699 kWh and 14.94 kW savings, waives further review of this project, with the requirement that PG&E apply a CDF of 0.71 to the claimed peak demand reduction and recommends that the PG&E apply a GRR of 0.9 to the trued-up savings after post-installation.

## **Measure Description**

The project involves interior lighting retrofit to replace T8 and T5 linear fluorescent fixtures with T8 linear fluorescent and LED fixtures. The project also involves the installation of dimming controls in select areas of the building.

## **Summary of Review**

CPUC staff reviewed all the documents PG&E submitted for this project in response to the CPUC staff's initial show stopper review. PG&E addressed the identified show stopper issues. Because staff approved the use of M&V-based HOU's in its prior disposition on this project, the use of DEER HOU's for this project is not required per recent directions, which will apply prospectively to other projects. The only remaining issue is regarding the peak demand savings calculations. The peak demand reduction calculations assumed a coincident demand factor (CDF) value of 1.0 instead of 0.71 for the DEER Large Office building type.

Therefore, CPUC staff waives further review of the project with the requirement that PG&E apply a CDF of 0.71 to the claimed peak demand reduction. Once the project savings are trued-up to the final verified post-installation findings, PG&E shall apply a GRR of 0.9 to the ex ante impacts at the time of the savings claim. PG&E should retain all documentation from the post-installation data collection and verification efforts, as well as all itemized contractor and vendor invoices by measure for use by future ex post evaluation efforts along with the corresponding measure Claim IDs.