

Ex Ante Review Findings

Table Error! No text of specified style in document.-1: Project Information

IOU	PG&E
Application ID	2K1278686C
Application Date	1/13/2011 (PG&E Approved 2/22/2012)
Program ID	TBD
Program Name	2010-12 UC/CSU/IOU Partnership Program
Program Year	2012
Itron Project ID	PGE 2K1278686C
IOU Ex Ante Savings Date	TBD
ED Measure Name	Custom Lighting Retrofit
Project Description	The project consists of two elements. The first element is a lamp-and-ballast changeout of fixtures in two adjacent laboratory/classroom buildings with 28W T-8 lamps and electronic ballasts. The second element of the project includes a 1-for-1 replacement of 117 garage lighting fixtures. 150W high-pressure sodium fixtures are being replaced with 2-lamp, 32Watt 8-foot, T-8 linear fluorescent fixtures in a parking garage. The status of the first project as deemed vs. custom is unclear whereas the garage lighting project energy savings claim is based upon 8760 operation and thus is subject to Early Review.
Date of ED Review(s)	3/23/2012
Primary Reviewer and Firm	Charles Ehrlich, Itron, Inc.
Review Supervisor and Firm	Kris Bradley, Itron, Inc.
Type of Review (Desk, On-site, Full M&V, Tool)	On-site (tentative)
ED Recommendation	No Approval, pending clarification of the scope of work and fulfillment of data request.

Measure Description

The laboratory/classroom projects appear not to be subject to Early Review because they seem to contain only deemed measures, none of fixtures use 8760 hours of use, and the few lighting controls appear standard and account for less than 1.7% of the project savings. The Garage Lighting project, if it was actually intended to be a project, does not have sufficient documentation to be evaluated, but it would clearly be a custom project.

The subject facility provides parking for a sports complex that is available to the public 24 hours a day. The project scope includes a 1-for-1 replacement of 117 garage lighting fixtures. 150W high-pressure sodium fixtures are being replaced with 2-lamp, 32Watt 8-foot, T-8 linear fluorescent fixtures. The garage lighting project energy savings claim is based upon 8760-hour operation for a total of 118,917 kWh per year.

There is insufficient documentation to evaluate this garage lighting project. There is so little information it is not even clear if it a project at all. For example, the savings for the Garage lighting project is not included on the “Form B” or on any of the other official project application documents and there is no detailed lighting audit spreadsheet. If the garage lighting project is intended to be included in the scope of this program, then the IOU paperwork and rebate savings claims need to be corrected and resubmitted, and appropriate documentation provided to the evaluation team to establish baseline and eligibility, if this a project in the early stages, or to complete the early application review if it is further along.

Summary of Review

This EAR was initiated based upon the review of the following files provided by the IOU:

2K1278686C Att 1 - PA Approved Energy Savings Calculations_B.pdf
2K1278686C Att 2 - PA Approved Energy Savings Calculations_L.pdf
2K1278686C [REDACTED] Application.pdf
2K1278686C [REDACTED] Ltg PA Review - J1316 56 (217 msg
2K1278686C [REDACTED] Ltg. PA Package.pdf
2K1278686C [REDACTED] Ltg. PA Review Form v1.4.xls
Application Acknowledgement - [REDACTED] Retrofit - [REDACTED].msg
[REDACTED] 1-10-11.xls
Form B - Retrofit Application [REDACTED].xls
[REDACTED] 1-10-12.xls
[REDACTED] Management Team Approvals - 2 22 msg

Two pages of the project documentation briefly mention a Garage Lighting project, and a separate worksheet in the “Form B” Excel document has a replica of these data, but the savings from the Garage Lighting project are not included in the Form B summary worksheet. Based upon the information provided, this project cannot be approved because of a failure to appropriately document the project.

Review Conclusion

This project is not approved pending submission of the project documentation.

Summary of ED Requested Action by the IOU

Table 1-2: Project Overview

Description	IOU Proposed Ex Ante Data	ED Recommendations
Project Baseline Type (Early Replacement, Normal Replacement, Capacity Expansion, New Construction, System Optimization, Add-on Measures)		
Project Cost Basis (Full Cost, Incremental Cost)		
RUL (Early retirement projects only, otherwise N/A (not applicable))		
EUL		
First Year kWh Savings		
First Year Peak kW Savings		
First Year Therms Savings		
kWh Savings (RUL Period)		
Peak kW Savings (RUL Period)		
Therms Impact (RUL Period)		
kWh Savings (EUL thru RUL Period)		
Peak kW Savings (EUL thru RUL Period)		
Therms Savings (EUL thru RUL Period)		
Annual Non-IOU Fuel Impact (RUL Period)		
Annual Non-IOU Fuel Impact (EUL thru RUL Period)		
Net-to-Gross Ratio	Not provided	Assessment not completed

Table 1-3: Detailed Review Findings

Reviewed Parameter	Analysis
Project Gross Savings Baseline (for early retirement projects only, include RUL through EUL baseline)	IOU Proposal:
	ED Assessment:
	ED Recommendation:
Project Cost Basis (for early retirement projects only, include RUL through EUL cost basis treatment)	IOU Proposal:
	ED Assessment:
	ED recommendation:
RUL (required for early retirement projects only, otherwise n/a)	IOU Proposal:
	ED Assessment:
	ED recommendation:
EUL	IOU Proposal:
	ED Assessment:
	ED Recommendation:
Savings Assumptions	IOU Proposal:
	ED Assessment:
	ED Recommendation:

Reviewed Parameter	Analysis
Calculation Methods/Tool review	IOU Proposal:
	ED Assessment:
	ED Recommendation:
Pre- or Post- Installation M&V Plan	IOU Proposal:
	ED Assessment:
	ED Recommendation:
Net-to-Gross Review	IOU Proposal:
	ED Assessment:
	ED Recommendation: