

CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	PGE 21 P C 625 PRJ - 02522462 Service
CPUC Staff Project Link	https://deeresources.info/cmpa/projects/19004
PA	PGE
PA Application ID	PRJ - 02522462
PA Application Executed Date	
PA Program ID	PGE2110013
PA Program Name	State of California - Customized Retrofit
PA Program Year	
Date of CPUC Staff Review:	6/1/2021
PA CMPA Upload Dates Included in this review:	
First PA Upload	3/16/2021
Second PA Upload	4/13/2021
Third PA Upload	5/4/2021
Fourth PA Upload	
Fifth PA Upload	
Sixth PA Upload	
Seventh PA Upload	
Eighth PA Upload	
PA Measure Description(s):	
Measure 1	COMMISSIONING-RCX RECODE CONTROLS-HVAC-SETPOINT CHANGE
Measure 2	COMMISSIONING-RCX RECODE CONTROLS-HVAC-SETPOINT CHANGE
Measure 3	COMMISSIONING-RCX RECODE CONTROLS-HVAC-SETPOINT CHANGE
Measure 4	COMMISSIONING-RCX RECODE CONTROLS-HVAC-SETPOINT CHANGE
Measure 5	COMMISSIONING-RCX RECODE CONTROLS-HVAC-SETPOINT CHANGE
Measure 6	COMMISSIONING-RCX RECODE CONTROLS-HVAC-SETPOINT CHANGE
Measure 7	HVAC RETROFIT/NEW-PUMPS-CONDENSER WATER-CONVERT TO VARIABLE FLOW
Measure 8	LIGHTING RETROFIT/NEW-EXT-LED-WALL MOUNTED
Measure 9	HVAC RETROFIT/NEW-EXHAUST/VENTILATION-KITCHEN EXHAUST-CONTROLS
Measure 10	LIGHTING RETROFIT/NEW-EXT-LED-POLE MOUNTED
PA Project Description:	0
Bi-Monthly Upload kW Demand Reduction	568.2
Bi-Monthly Upload Annual kWh Impacts	7,452,817.3
Bi-Monthly Upload Therm Impacts	162,098.0
PA Proposed Incentive \$ (to Customer)	\$574,559.49
Project Documentation kW Demand Reduction	218.8
Project Documentation Annual kWh Impacts	4,913,921.0
Project Documentation Annual Therm Impacts	162,098.0
CPUC Staff Primary Reviewer Name	
CPUC Staff Primary Reviewer Firm	Energy 350
CPUC Staff Review Supervisor Name	
CPUC Staff Review Supervisor Firm	SBW Consulting
PA Primary Reviewer Name	
PA Primary Reviewer Firm	
CPUC Staff Project Manager	
CPUC Staff Policy Authorization (as needed)	
CPUC Staff Recommendation:	Application ready to proceed with exception(s), as noted
For rejection, action required:	N/A
M&V Review:	Post M&V Review (M&V Results and Final Calculations) Required

Action Number:	Summary of CPUC Staff Required Action by the PA:	Action Category	PA Response	ED Resolution
1	In response to our SDRs, the PA updated lighting savings calculations which resulted in less savings and incentives. Savings are reduced to 4,913,921 kWh, 218.8 kW, 162,098 therms. Incentives were reduced to \$480,816.8. Please make sure revised values are included in the quarterly submission.	Did not follow previous CPUC guidance		
2	Please resubmit the project for our review after project has been completed and final savings are estimated.	Continue Document Upload		
3	For non-lighting measures, Trane Trace models are using 1999-2004 weather data. Please correct savings estimate to use C22010 (pending decision by CPUC on custom project weather files) weather files during post-installation stage and resubmit the project for our review at that stage.	Analysis assumptions		
4	For DEER peak kW calculation for non-lighting measures, the project is currently averaging peak over 6 hour period instead of 5 hours. Please correct kW savings estimate during post-installation stage and resubmit the project for our review at that stage. Please make sure to include live calculations that clearly shows how modeling outputs are used to estimate DEER peak demand savings.	Analysis assumptions		
5	For lighting measures, DEER Coincidence Demand Factors are not applied correctly to all lighting fixtures which have resulted in peak demand savings for some exterior fixtures. Please correct these values during post-installation stage and resubmit the project for our review at that stage.	Analysis assumptions		

6	It is not clear how incremental costs are estimated for accelerated replacement lighting measures. Please provide the cost basis for estimating the standard practice baseline fixtures costs.	Measure cost		
7	Submitted calculations are not using building-specific DEER EULs for installed lighting fixtures. The appropriate EUL for interior LED fixtures in a hospital buildings is 9.4 years and for exterior lighting is 12 years. Please correct these values during post-installation stage and resubmit the project for our review at that stage.	Did not follow previous CPUC guidance		
8	RUL of existing fixtures should be based on existing fixtures types not installed fixture types. The project is estimating RULs based on EUL of existing fixture types. Please correct these values during post-installation stage and resubmit the project for our review at that stage.	Did not follow previous CPUC guidance		
9	Submitted savings are including accelerated replacement (AR) savings for lamp replacement measures. The default RULs of existing screw-in/pin-based lamps for hospitals are less than 1 year, therefore these measures should not be included in the AR claims. Please remove AR savings associated with these measures during post-installation stage and resubmit the project for our review at that stage.	Analysis assumptions		
10	The final post-installation package should include the final payback and savings weighted average EUL of the project using correct EUL/RUL values.	Missing required information		

Note or Instruction Number:	CPUC Staff Notes or Instructions:	Instruction Category	PA Response	ED Resolution

CPUC Staff Recommendation Definitions	
CPUC Staff Recommendation	Definition
Application ready to proceed without exception	The PA will continue to upload application documents to the CMPA directory through the implementation and claims phases of the project. The PA may proceed to approve the project without waiting for CPUC Staff response. A project is waived from further review at the post-installation stage by CPUC staff, but the PA is responsible for post-installation (IR) review. There will not be conditional approval.
Application ready to proceed with exception(s), as noted	<p>The PA must make revisions or changes as noted in CPUC Staff's review comments before signed agreement with customer. The PA will continue to upload application documents to the CMPA directory through the implementation and claims phases of the project. The PA may proceed to approve the project without waiting for CPUC Staff response. If CPUC Staff decides to perform IR review of a project, CPUC Staff will notify the PA. The scope will be limited to determine if the project was carried out consistent with the application and notes provided during pre-installation review and to obtain information pertaining to whether the eligibility criteria or metrics should be revised.</p> <p>Unless the scope of work presented in project application has changed at IR review, the project will not be reviewed again in the areas specified below. Scope change is defined by substantial changes include significant modifications to the proposed equipment type, size, quantity, configuration, the expansion of a project to include additional retrofits, or the splitting of a project into multiple phases.</p> <p>The following areas will not be reviewed again by CPUC Staff:</p> <ul style="list-style-type: none"> • Calculation Tool • Calculation Methodology • M&V Plan • Baseline • Eligibility • EUL/RUL • Measure Type • Program Influence
Application rejected.	<p>The application is rejected as submitted. The PA shall promptly inform the applicant as to the reasons why the project was rejected and the specific recommendations for the conditions under which the project would be approved. CPUC Staff shall provide the reasons for the rejection or request for modification, including each basis as to why the project is rejected, or modification is requested. In addition, CPUC Staff shall provide specific recommendations for the conditions under which the project would be approved.</p> <p>If any party to the project is unsatisfied with the Commission's directions for the project, a dispute resolution process may be initiated by that party. The Commission shall adopt rules for the conduct of the dispute resolution process. – Section 381.2 (g) (3) (F)</p>