

CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	PGE 22 T C 806 PRJ - 03772742 HVAC
CMPA Directory Link	https://deeresources.info/cmpa/projects/20525
PA	PGE
PA Application ID	PRJ - 03772742
PA Application Executed Date	
PA Program ID	PGE_COM_004
PA Program Name	Resource-Innovations-Advanced Energy Program - Custom Retrofit
PA Program Year	
Date of CPUC Staff Review:	10/11/2022
PA CMPA Upload Dates Included in this review:	
First PA Upload	8/26/2022
Second PA Upload	N/A
Third PA Upload	N/A
Fourth PA Upload	
Fifth PA Upload	
Sixth PA Upload	
Seventh PA Upload	
Eighth PA Upload	
PA Measure Description(s):	
Measure 1	HVAC RETROFITNEW-AHUPACKAGE UNITS-DATA CENTER-AIRFLOW
Measure 2	HVAC COOLING TOWERS - WATERSIDE ECONOMIZER - To-CodeStd
Measure 3	
Measure 4	
Measure 5	
Measure 6	
Measure 7	
Measure 8	
Measure 9	
Measure 10	
PA Project Description:	Implementing two 2 AOE measures at a high tech building
Bi-Monthly Upload kW Demand Reduction	104.9
Bi-Monthly Upload Annual kWh Impacts	1,387,962.0
Bi-Monthly Upload Therm Impacts	0.0
PA Proposed Incentive \$ (to Customer)	\$83,277.72
Project Documentation kW Demand Reduction	104.9
Project Documentation Annual kWh Impacts	1,387,962.0
Project Documentation Annual Therm Impacts	0.0
Project Documentation Incentive \$ (to Customer)	83,278.0
CPUC Staff Primary Reviewer Name	
CPUC Staff Primary Reviewer Firm	Verdant Associates
CPUC Staff Review Supervisor Name	
CPUC Staff Review Supervisor Firm	DNV
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	<p>Please submit the project for post-installation review. The review team agrees with the PA reviewer's enhancements to post-installation M&V, including:</p> <ul style="list-style-type: none"> - Inclusion of condenser water pump penalty due to water-side economizer piping, - Revision of chiller efficiency gain due to measured reduction in condenser water temperature setpoint, - Normalization of pre-installation quantity of CRAH units in operation to reflect post-installation conditions and IT load. 	Continue Document Upload		

Note or Instruction Number:	CPUC Staff Notes or Instructions:	Instruction Category	PA Response	ED Resolution
1	The Statewide Guidance Document Version 1.4 requires that "a measure cost must be submitted for each individual measure" (page 18) and "at a minimum, for program installed measures, cost information should clearly itemize labor and material costs" (page 19). For this project, costs reflect a total quoted cost pro-rated between the two measures based on estimated kWh savings per measure. Given this project's complexity and installation or removal of several discrete components, the review team recommends that project costs are more granularly delineated by material/labor and by measure.	Measure cost		

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>
Advisory.	The PA is not formally required to follow instructions or recommendations given in an Advisory review. However, issues found will affect ESPI scoring and may come up again in Ex-Post review.