

CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	SDGE 22 T C 774 [REDACTED] HVAC
CMPA Directory Link	[REDACTED]
PA	SDGE
PA Application ID	[REDACTED]
PA Application Executed Date	
PA Program ID	SDGE4004
PA Program Name	Comprehensive Energy Management Solutions CEMS
PA Program Year	
Date of CPUC Staff Review:	7/20/2022
PA CMPA Upload Dates Included in this review:	
First PA Upload	5/25/2022
Second PA Upload	6/27/2022
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 - Space - Cooling - ControlsControlling Equip - Liquid Temp Control
Measure 2	HVAC - SpaceCooling - Chiller - Screw - NR
Measure 3	
Measure 4	
Measure 5	
Measure 6	
Measure 7	
Measure 8	
Measure 9	
Measure 10	
PA Project Description:	Replace one existing 514-ton chillers and optimize chiller plant serving a Mix-use Data CenterOffice Building
Bi-Monthly Upload kW Demand Reduction	[REDACTED]
Bi-Monthly Upload Annual kWh Impacts	[REDACTED]
Bi-Monthly Upload Therm Impacts	[REDACTED]
PA Proposed Incentive \$ (to Customer)	\$ [REDACTED]
Project Documentation kW Demand Reduction	[REDACTED]
Project Documentation Annual kWh Impacts	[REDACTED]
Project Documentation Annual Therm Impacts	[REDACTED]
Project Documentation Incentive \$ (to Customer)	[REDACTED]
CPUC Staff Primary Reviewer Name	Kumar Chittory and CD Nayak
CPUC Staff Primary Reviewer Firm	Verdant Associates and DNV
CPUC Staff Review Supervisor Name	Sepideh Shahinfard
CPUC Staff Review Supervisor Firm	Quantum Energy Analytics
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	Please resubmit this project for our review after post-installation savings are estimated.	Continue Document Upload		

2	<p>The PA used the 2019 Title 24 minimum screw chiller part load efficiency requirement at the AHRI operating condition as the baseline to estimate savings. Given the chiller will operate at non AHRI condition (i.e., condenser water supply temperature of 75 degrees F and chilled water supply temperature of 48 degrees F), the PA should revise the baseline efficiency based on the actual operating condition (condenser water supply temperature, chilled water supply temperature, and % load) of the chiller.</p>	Analysis assumptions		
3	<p>The PA used an outdated version of the PGE HVAC tool (HVAC-Standard_Tool_V1.3). It appears that PG&E has developed newer versions of this tool (v1.4.1 and v2.0.0). We recommend the PA to use the most up-to-date version of the tool for final savings estimates. The older version of the tool are using outdated weather files and DEER peak demand assumptions. Also, it is not clear how the PA estimated peak demand savings for this project. Please provide this information as part of the post-installation package.</p>	Calculation tool		
4	<p>The other ongoing projects for this customer (i.e., CPR ID 754) will impact the chiller load. Final savings should be calculated based on the chiller load at the post-installation stage.</p>	Analysis assumptions		

Note or Instruction Number:	CPUC Staff Notes or Instructions:	Instruction Category	PA Response	ED Resolution
1	Given this project is being installed along with the UPS replacement project (CPR ID 754), it's good practice to review the payback at the customer level (i.e., combine all projects for payback estimation).	Other 1		
2	We only reviewed savings calculated in the "HVAC-Standard_Tool_V1.3" as this is the only calculation document that matches the bi-monthly savings.	Other 2		

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.