

CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	PGE_24_T_C_940_PRJ - 04775910_Process
CMPA Directory Link	https://deeresources.info/cmpa/projects/21255
PA	PGE
PA Application ID	PRJ - 04775910
PA Application Executed Date	
PA Program ID	PGE_COM_003
PA Program Name	Commercial Efficiency Program - Customized Retrofit
PA Program Year	
Date of CPUC Staff Review:	5/1/2024
PA CMPA Upload Dates Included in this review:	
First PA Upload	4/2/2024
Second PA Upload	N/A
Third PA Upload	N/A
PA Measure Description(s):	
Measure 1	PROCESS RETROFITNEW-CHILLERSCOOLING-OTHER
Measure 2	
PA Project Description:	Install emerging technology ET09SCE1070 ice rink water treatment system to allow the facility to use ambient temperature water for resurfacing instead of 140 deg hot water which reduces the load on boilers and enables the chiller systems to operate at higher brine temperatures
Bi-Monthly Upload kW Demand Reduction	0.0
Bi-Monthly Upload Annual kWh Impacts	297,109.0
Bi-Monthly Upload Therm Impacts	13,690.3
PA Proposed Incentive \$ (to Customer)	\$52,765.99
Project Documentation kW Demand Reduction	0.0
Project Documentation Annual kWh Impacts	297,109.2
Project Documentation Annual Therm Impacts	13,690.3
Project Documentation Incentive \$ (to Customer)	52,766.0
CPUC Staff Primary Reviewer Name	
CPUC Staff Primary Reviewer Firm	DNV
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 NOT Required

Action Number:	Summary of CPUC Staff Required Action by the PA:	Action Category	PA Response	ED Resolution
1	Prior to project implementation, please collect photos or invoices substantiating the ages of the host chillers. If such documentation cannot be provided, please revise the measure EUL to reflect the default RUL of the host equipment: 6.7 years.	Continue Document Upload		



Note or Instruction Number:	CPUC Staff Notes or Instructions:	Instruction Category	PA Response	ED Resolution
1	The proposed technology may introduce additional pressure drop on the facility water line and may increase the water pumping power. The M&V plan should address this possibility.	M&V plan		
2	It is unclear from the M&V plan if the proposed brine temperature increase will be instantaneous or gradual; such processes with sensitive temperature requirements may necessitate a gradual temperature increase before the optimal conditions are established and the savings are fully realized. The post-installation M&V should occur no sooner than 2 weeks after the final brine temperature adjustment is made and confirmed to be satisfactory by the customer.	M&V plan		
3	The savings analysis incorporates DOE-2.2 performance curve coefficients for chiller efficiency determination. The DOE-2.2 chiller curves have upper and lower limits for chilled water (brine) and condenser water temperatures, as these curve coefficients are meant for space conditioning applications. Since the brine temperature in this application is below the curve's lower limit for chilled water temperature, DOE-2.2 performance curves may not be appropriate. The M&V plan should be revised to explain how the final savings claim will reflect the chiller manufacturer's performance curves at the measured operating temperatures.	M&V plan		

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.