

CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	PGE_22_T_A_797_PRJ - 03638342_ComRefrig
CMPA Directory Link	https://deeresources.info/cmpa/projects/20472
PA	PGE
PA Application ID	PRJ - 03638342
PA Application Executed Date	
PA Program ID	PGE_Ag_001
PA Program Name	TRC - Agricultural Energy Savings Action Plan AESAP Ag - Customized Retrofit
PA Program Year	
Date of CPUC Staff Review:	11/22/2022
PA CMPA Upload Dates Included in this review:	
First PA Upload	7/25/2022
Second PA Upload	8/23/2022
Third PA Upload	10/6/2022
Fourth PA Upload	
Fifth PA Upload	
Sixth PA Upload	
Seventh PA Upload	
Eighth PA Upload	
PA Measure Description(s):	
Measure 1	REFRIGERATION RETROFITNEW-SYSTEM-COMPREHENSIVE
Measure 2	
Measure 3	
Measure 4	
Measure 5	
Measure 6	
Measure 7	
Measure 8	
Measure 9	
Measure 10	
PA Project Description:	CRD 10-Refrigeration RetrofitNew Compressor -Efficient Unit NR Normal replacement of purpose-built water-cooled R-22 glycol chiller rack with an air-cooled scroll R-410A chiller at a winery
Bi-Monthly Upload kW Demand Reduction	6.3
Bi-Monthly Upload Annual kWh Impacts	92,412.0
Bi-Monthly Upload Therm Impacts	0.0
PA Proposed Incentive \$ (to Customer)	\$19,407.00
Project Documentation kW Demand Reduction	6.3
Project Documentation Annual kWh Impacts	92,412.0
Project Documentation Annual Therm Impacts	0.0
Project Documentation Incentive \$ (to Customer)	19,407.0
CPUC Staff Primary Reviewer Name	
CPUC Staff Primary Reviewer Firm	Verdant and DNV
CPUC Staff Review Supervisor Name	
CPUC Staff Review Supervisor Firm	Quantum
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 post-installation review.	Continue Document Upload		
2	After the new chillers are installed and fully commissioned, the PA should collect power (kW) and tonnage data during high season (minimum of 2 weeks) and low season (minimum of 2 additional weeks). The metered power data should include both chillers including the back up chiller. Please also provide the specs for both chillers, along with final invoices.	M&V plan		

3	<p>The current calculation methodology utilizes DOE-2 coefficients developed for an air-cooled scroll chiller that are not appropriate for the actual chiller operating conditions. This theoretical bin analysis performed is sufficient to estimate initial savings, but we would like to see a more thorough post-M&V analysis to verify final. A more robust analysis would include metered kW/ton vs. ton curve to determine post-installation energy consumption. The baseline energy consumption would utilize the same polynomial curve coefficients, but factor in the 2019 Title 24 rated efficiencies that are used in the initial analysis. This will allow analysis of the actual system performance and assumed baseline chiller compared at the same operating loads.</p>	Calculation method		
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Note or Instruction Number:	CPUC Staff Notes or Instructions:	Instruction Category	PA Response	ED Resolution
1	We are allowing this project to move forward but we do not agree with the informal ISP study approach and results. If the program will continue to target similar customers, we request the PA to work with CPUC staff to define the standard practice for this customer segment.	Baseline		

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.