

CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	PGE_22_T_C_813_PRJ - 03726358_ComRefrig
CPMA Directory Link	https://deeresources.info/cmpa/projects/20557
PA	PGE
PA Application ID	PRJ - 03726358
PA Application Executed Date	
PA Program ID	PGE_Ind_002
PA Program Name	CLEAResult - Business Energy Performance Ind - Customized Retrofit
PA Program Year	
Date of CPUC Staff Review:	11/29/2022
PA CMPA Upload Dates Included in this review:	
First PA Upload	9/13/2022
Second PA Upload	10/11/2022
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	REFRIGERATION - COMPRESSOR - VFD - To-CodeStd
Measure 2	REFRIGERATION - COMPRESSOR - VFD - To-CodeStd
Measure 3	
Measure 4	
Measure 5	
Measure 6	
Measure 7	
Measure 8	
Measure 9	
Measure 10	
PA Project Description:	Adding medium voltage 4160V Variable Frequency Drives VFDs to an existing 1500 hp Inlet Gas Compressor along with two 800 hp refrigeration compressors in an oil field gas plant
Bi-Monthly Upload kW Demand Reduction	279.8
Bi-Monthly Upload Annual kWh Impacts	2,207,079.4
Bi-Monthly Upload Therm Impacts	0.0
PA Proposed Incentive \$ (to Customer)	\$232,211.41
Project Documentation kW Demand Reduction	279.8
Project Documentation Annual kWh Impacts	2,207,079.0
Project Documentation Annual Therm Impacts	0.0
Project Documentation Incentive \$ (to Customer)	232,212.0
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
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1	Please submit this project for post-installation review. In accordance with Statewide Guidance Document Version 1.4 (page 6), the Add-On Equipment (AOE) measure application type requires demonstration that the host equipment can satisfy the facility load without the AOE. Given that the plant has not operated since 2017, and that the anticipated load will differ from that in any prior M&V periods, the post-installation submittal should include sufficient M&V data before the AOE installation to meet this requirement.	Continue Document Upload		
2	Please revise the EUL for both AOE measures from 15 years to 5 years to reflect one-third of the EUL of the host compressors. The Statewide Guidance Document Version 1.4 (page 12) states that "for newly installed or replaced equipment that includes a new AOE component, the AOE energy savings may use the EUL rather than the RUL of the host equipment as a limit." The supporting documentation submitted by the PA indicates that the host compressors were refurbished and maintained but not newly installed or replaced.	EUL/RUL		
3	Please correct the brake horsepower-to-kW conversion factor in two instances in the "PRE Savings Calcs" file: EEM1 Calculation tab cell C29 and EEM2 Calculation tab cell C28. These corrections will slightly reduce the savings for both measures.	Analysis assumptions		

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. 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.