

CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	PGE 22 T I 829 PRJ - 03101280 Process Heat
CMPA Directory Link	https://deeresources.info/cmpa/projects/20681
PA	PGE
PA Application ID	PRJ - 03101280
PA Application Executed Date	
PA Program ID	PGE Ind 003
PA Program Name	Cascade - INDUSTRIAL SYSTEMS OPTIMIZATION PROGRAM ISOP -
PA Program Year	
Date of CPUC Staff Review:	1/10/2023
PA CMPA Upload Dates Included in this review:	
First PA Upload	11/29/2022
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	BOILERSHWSTEAM SYSTEMS RETROFITNEW-PROCESS BOILER-STACK
Measure 2	
Measure 3	
Measure 4	
Measure 5	
Measure 6	
Measure 7	
Measure 8	
Measure 9	
Measure 10	
PA Project Description:	Install a condensing economizer on a 150 MMBtuhr steam boiler with MV plan following SWPR007-01
Bi-Monthly Upload kW Demand Reduction	0.0
Bi-Monthly Upload Annual kWh Impacts	0.0
Bi-Monthly Upload Therm Impacts	268,985.9
PA Proposed Incentive \$ (to Customer)	\$192,700.00
Project Documentation kW Demand Reduction	0.0
Project Documentation Annual kWh Impacts	0.0
Project Documentation Annual Therm Impacts	268,985.9
Project Documentation Incentive \$ (to Customer)	192,700.0
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 (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 submit the project for post-installation review, as the savings estimate is currently based on a single case study from the SWPR007-01 measure package.	Continue Document Upload		
2	Please revise the measure EUL to 6.7 years, or the RUL of the host equipment (default 1/3 of EUL). The host boiler was refurbished in 2022, but Statewide Guidance Document Version 1.4 (page 12) stipulates that the full EUL of the host equipment can only be claimed when the add-on equipment is installed on "newly installed or replaced" host equipment.	EUL/RUL		

3	<p>The PFS indicates that the steam boiler's stage 1 feedwater economizer failed during the pre-installation M&V period. As a result, the pre M&V period does not reflect the operation of a fully functioning stage 1 feedwater economizer. In order to accurately establish the project baseline conditions, please revise the M&V plan to include at least two weeks of data monitoring on the following points:</p> <ol style="list-style-type: none"> 1. Stack temperature before feedwater economizer 2. Stack temperature between feedwater economizer and proposed condensing economizer 3. Stack temperature after condensing economizer 	M&V plan		
---	--	----------	--	--

Note or Instruction Number:	CPUC Staff Notes or Instructions:	Instruction Category	PA Response	ED Resolution
1	The vendor's cost quote is valid through 12/31/22 and is now expired.	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.