

CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	PGE 22 T 1 794 PRJ - 03927590 Process Heat
CMPA Directory Link	https://deeresources.info/cmpa/projects/20443
PA	PGE
PA Application ID	PRJ - 03927590
PA Application Executed Date	
PA Program ID	4_003
PA Program Name	INDUSTRIAL SYSTEMS OF THERMIZATION PROGRAM (ISOT)
PA Program Year	
Date of CPUC Staff Review:	2/21/2024
PA CMPA Upload Dates Included in this review:	
First PA Upload	6/28/2022
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):	BOILERSTWSTEAM SYSTEMS RETROFITNEW PROCESS BOILER STACK ECONOMIZER
Measure 1	
Measure 2	
Measure 3	
Measure 4	
Measure 5	
Measure 6	
Measure 7	
Measure 8	
Measure 9	
Measure 10	
PA Project Description:	Installation of a new feedwatercondensing economizer at 196000 sqft food processing facility in CZ12
Bi-Monthly Upload kW Demand Reduction	0.0
Bi-Monthly Upload Annual kWh Impacts	0.0
Bi-Monthly Upload Therm Impacts	45,456.0
PA Proposed Incentive \$ (to Customer)	\$90,912.00
Project Documentation kW Demand Reduction	0.0
Project Documentation Annual kWh Impacts	0.0
Project Documentation Annual Therm Impacts	45,456.0
Project Documentation Incentive \$ (to Customer)	90,912.0
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	Due Date
1	Please resubmit the project for post-installation review. Given that the pre-project savings estimate is based on a savings ratio from a single case study in SWPRO07-01, and that the affected boiler's sequence and load share is expected to change significantly from the existing scenario, we anticipate the final savings will deviate from the pre-project estimate.	Continue Document Upload	Please refer to stack test data in the attached files, which include an estimate of efficiency: •PRJ-03927590 16PercentFiringRateStackTest.pdf" •PRJ-03927590 36PercentFiringRateStackTest.pdf" •PRJ-03927590 45PercentFiringRateStackTest.pdf"	The review team is satisfied with how the action was addressed in post-installation savings analysis.	

2	<p>The post M&V plan detailed in the PFS should be expanded to include the following points:</p> <ol style="list-style-type: none"> 1. The affected boiler's efficiency should be spot-measured at a variety of load conditions, as the boiler's usage is expected to vary widely based on the submitted pre-project usage profile. 2. Per PFS page 13, the customer has the ability to measure the gas flow in cubic feet per day to each boiler independently. The implementor/developer should document the affected boiler's gas consumption for a period of at least two weeks and calibrate the post savings calculation with the affected boiler's actual gas consumption accordingly. 3. Post M&V should include a detailed assessment and writeup of the post-project boilers' sequencing and load sharing, as it is expected to change significantly from the current setup. 	M&V plan	<p>Please refer to attached file "PRJ - 03927590 TR Calculations POST-CONFIDENTIAL.xlsx", worksheet "Data" for boiler natural gas consumption data. Calibration of savings to take the boiler's actual consumption into account was carried out. This process is described in the M&V Plan.</p> <p>Please refer to email correspondence "PRJ - 03927590 Boiler Sequencing Communication 231005.pdf" for a detailed description of boiler sequencing and load sharing. Consumption data is provided in the file "PRJ - 03927590 TR Calculations POST-CONFIDENTIAL.xlsx" worksheet "Data" cell G43. During the performance period, Boiler 1 consumed 32% of total natural gas consumption.</p>	<p>The review team is satisfied with how the action was addressed in post-installation savings analysis.</p>
---	---	----------	--	--

Note or Instruction Number:	CPUC Staff Notes or Instructions:	Instruction Category	PA Response	ED Resolution
1	The PFS periodically mentions the potential use of on-bill financing for this project. However, it is unclear if the customer will ultimately be leveraging OBF for this project.	Incentive calculation		

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.