

## CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	PGE_22_T_C_793_PRJ - 03733494_HVAC
CMPA Directory Link	<a href="https://deeresources.info/cmpa/projects/20444">https://deeresources.info/cmpa/projects/20444</a>
PA	PGE
PA Application ID	PRJ - 03733494
PA Application Executed Date	
PA Program ID	PGE_Pub_010
PA Program Name	AESC - RAPIDS - Water Wastewater Optimization
PA Program Year	
Date of CPUC Staff Review:	8/15/2022
PA CMPA Upload Dates Included in this review:	
First PA Upload	N/A
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	PROCESS RETROFITNEW-FAN-VFD
Measure 2	
Measure 3	
Measure 4	
Measure 5	
Measure 6	
Measure 7	
Measure 8	
Measure 9	
Measure 10	
PA Project Description:	<p>The facility is a biological secondary level treatment plant serving [REDACTED]. The facility produces recycled water that meets Title 22 California Code of Regulations. This application entails the installation of variable frequency drives VFD on makeup air unit and odor control fans. VFDs will reduce fan speed based on feedback from ambient temperature. This project was developed as part of the Pacific Gas and Electric PGE sponsored RAPIDS third-party program and identified by the Alternative Energy Systems Consulting Inc AESC team. AESC identified the proposed measure as an opportunity to accomplish the goals of the individual processes more efficiently. The savings impact of this measure is estimated as 433000 kWhyr in energy savings with no peak demand reduction. The estimated cost of the project is 27600000.</p>
Bi-Monthly Upload kW Demand Reduction	-4.0
Bi-Monthly Upload Annual kWh Impacts	386,000.0
Bi-Monthly Upload Therm Impacts	0.0
PA Proposed Incentive \$ (to Customer)	\$46,320.00
Project Documentation kW Demand Reduction	-4.0
Project Documentation Annual kWh Impacts	386,000.0
Project Documentation Annual Therm Impacts	0.0
Project Documentation Incentive \$ (to Customer)	46,320.0
CPUC Staff Primary Reviewer Name	
CPUC Staff Primary Reviewer Firm	Verdant
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 resubmit the project for post-installation savings review.	Continue Document Upload		
2	The pre-project savings calculator rounds the savings estimates to the nearest 1,000 kWh or 1 kW. See column AL of the Savings tab in Pre Savings Calc Workbook Rev1 xls file. For the post-installation savings submittal, please ensure the savings are not rounded and reflect the most accurate estimates based on the data available. The pre-project data included kW measurements with several significant digits of accuracy.	Calculation method		

Note or Instruction Number:	CPUC Staff Notes or Instructions:	Instruction Category	PA Response	ED Resolution
1	The submitted influence documentation does not include the first correspondence between the customer and the developer and/or program implementer. The first submitted correspondence occurs in February 2021 but suggests that prior communications had occurred between the customer and developer/implementer. Moving forward, please ensure that submitted correspondence packages comprehensively capture the earliest engagements among the customer, developer, and implementer. This information is crucial to establish the technical and financial influence of the program.	Program influence		

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"> <li>• Calculation Tool</li> <li>• Calculation Methodology</li> <li>• M&amp;V Plan</li> <li>• Baseline</li> <li>• Eligibility</li> <li>• EUL/RUL</li> <li>• Measure Type</li> <li>• Program Influence</li> </ul>
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.