

CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	PGE-16-T-I-0123_2K1600072642_Pump Sequencing		
CPUC Directory Link	https://deeresources.info/cmpa/projects/14380		
PA	PGE		
PA Application ID	PRJ - 00094779		
PA Application Executed Date	42459		
PA Program ID	PGE210135		
PA Program Name	Water Infrastructure & system efficiency program - Customized Retrofit		
PA Program Year	2016		
Date of CPUC Staff Review:	[enter date of disposition submittal]		
PA CMPA Upload Dates Included in this review:			
First PA Upload	2/10/2017		
Second PA Upload	Several additional uploads in May of 2017		
Third PA Upload	7/29/2019		
PA Measure Description(s):			
Measure 1	PROCESS RETROFIT/NEW-PUMPS-MODIFY SYSTEM		
Measure 2			
Measure 3			
Measure 4			
Measure 5			
Measure 6			
Measure 7			
Measure 8			
Measure 9			
Measure 10			
PA Project Description:	Add controls to prioritize the operation of well pumps to minimize		
PA Ex Ante kW Demand Reduction	163.1		
PA Ex Ante Annual kWh Impacts	1,945,220.0		
PA Ex Ante Annual Therm Impacts	0.0		
PA Proposed Incentive \$ (to Customer)	\$180,082.65		
PA Proposed Total Payment to Implementer \$ (not to include the above incentive to customer)	0		
CPUC Staff Approved Ex Ante kW Demand Reduction	Revise per action items below		
CPUC Staff Approved Ex Ante Annual kWh Impacts	1,945,220.0		
CPUC Staff Approved Ex Ante Annual Therm Impacts	0.0		
CPUC Staff Primary Reviewer Name			
CPUC Staff Primary Reviewer Firm	E350		
CPUC Staff Review Supervisor Name			
CPUC Staff Review Supervisor Firm	BMI		
PA Primary Reviewer Name			
PA Primary Reviewer Firm			
CPUC Staff Project Manager			
CPUC Staff Policy Authorization (as needed)			
CPUC Staff Recommendation Marked "X":			
	Application ready to proceed without exception		
x	Application ready to proceed with exception(s), as noted		
	Application rejected.		
Action Number:	Summary of CPUC Staff Required Action by the PA:	Action Category	Due Date

1	Revise peak demand period to 2019 DEER definition effective 1/1/2020, using peak period definition of 4pm - 9pm averaged over three consecutive weekdays containing the highest algebraic sum of average temperature. Select the date sequence from the actual year weather data record for the analysis, then normalized to long term average (CZ2010) weather conditions.	Calculation Method	
2	Revise peak demand savings calculations to use the pump affinity laws relating input power to flow.	Calculation Method	
3	M&V plan proposes to extrapolate annual savings from 3 shoulder months of Post M&V data. Water levels may drop during peak production and affect the energy intensity of the primary wells, requiring a shift to different wells. Uncertainties in actual system operation further complicate the savings extrapolation. Revise the M&V plan to include post-installation monitoring for a full year to capture actual operation of the system. Upload the post installation M&V data and final savings calculations for review prior to finalizing savings and incentives.	M&V plan	

Note or Instruction Number:	CPUC Staff Notes or Instructions:	Instruction Category	Due Date
1			
2			
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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. 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>
Application not ready for review, revised and resubmit as noted	The application has deficiency in the supporting documentation and the PA has provided incomplete documentation. The complete documentation has been defined in the Statewide Custom Projects Guidance Document. Please note that this is not a final recommendation from CPUC staff. This recommendation is limited to two requests per application.