

## CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	PGE_20_T_I_492_PRJ - 02199208_HVAC		
CPMPA Directory Link	<a href="https://deeresources.info/cmpa/projects/17231">https://deeresources.info/cmpa/projects/17231</a>		
PA	PGE		
PA Application ID	PRJ - 02199208		
PA Application Executed Date	NA		
PA Program ID	a0n3600000NcViO		
PA Program Name	Industrial Recommissioning Program - Retro Commissioning (RCx)		
PA Program Year			
Date of CPUC Staff Review:	6/29/2020		
PA CMPA Upload Dates Included in this review:			
First PA Upload	5/20/2020		
Second PA Upload	N/A		
Third PA Upload	N/A		
PA Measure Description(s):			
Measure 1	HVAC RETROFIT/NEW-PUMPS-CONDENSER WATER-CONVERT TO		
Measure 2	COMMISSIONING-RCX RECODE CONTROLS-HVAC-SETPOINT CHANGE		
Measure 3	COMMISSIONING-RCX RESET CONTROL SETTING-HVAC-SETPOINT		
Measure 4	COMMISSIONING-RCX RESET CONTROL SETTING-HVAC-SETPOINT		
Measure 5	HVAC RETROFIT/NEW-PUMPS-CONDENSER WATER-CONVERT TO		
Measure 6	COMMISSIONING-RCX RESET CONTROL SETTING-HVAC-SETPOINT		
Measure 7	COMMISSIONING-RCX RECODE CONTROLS-HVAC-SCHEDULE CHANGE		
Measure 8	COMMISSIONING-RCX RESET CONTROL SETTING-HVAC-		
Measure 9	COMMISSIONING-RCX RECODE CONTROLS-HVAC-SETPOINT CHANGE		
Measure 10	COMMISSIONING-RCX RESET CONTROL SETTING-HVAC-SETPOINT		
PA Project Description:	NA		
PA Ex Ante kW Demand Reduction	27.5		
PA Ex Ante Annual kWh Impacts	1,177,319.5		
PA Ex Ante Annual Therm Impacts	21,267.4		
PA Proposed Incentive \$ (to Customer)	\$47,810.94		
PA Proposed Total Payment to Implementer \$ (not to include the above incentive to customer)	0		
CPUC Staff Approved Ex Ante kW Demand Reduction			
CPUC Staff Approved Ex Ante Annual kWh Impacts			
CPUC Staff Approved Ex Ante Annual Therm Impacts			
CPUC Staff Primary Reviewer Name			
CPUC Staff Primary Reviewer Firm	Energy 350		
CPUC Staff Review Supervisor Name			
CPUC Staff Review Supervisor Firm	SBW Consulting		
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.		
	Application not ready for review, revised and resubmit as noted		
Action Number:	Summary of CPUC Staff Required Action by the PA:	Action Category	Due Date
1	Please resubmit project after post installation M&V and savings calculations are completed.	M&V	After post installation M&V and calculations are

2	Please update the peak demand savings estimation to use the updated DEER peak definition (see "PRJ - 02199208 Pre Approved Savings Calcs-CONF.xlsx" file)	Analysis Assumptions	After post installation M&V and calculations are completed
3	Please normalize final savings for data center measures based on the post-installation IT load. Please also update M&V plan to collect trend data for pre- and post- IT loads	Analysis Assumptions	After post installation M&V and calculations are completed

Note or Instruction Number:	CPUC Staff Notes or Instructions:	Instruction Category	Due Date
1	Considering the magnitude of savings compared to the total building consumption (~10%), billing analysis might be an appropriate approach to measure final post-installation savings for this project. We recommend PG&E to consider conducting billing analysis for this project.	Analysis Assumptions	N/A
2			
3			
4			
5			
6			
7			
8			
9			
10			

