

## CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	PGE_20_C_R_445_PRJ - 02200942_WholeBldg
CPMA Directory Link	<a href="https://deeresources.info/cmpa/projects/16821">https://deeresources.info/cmpa/projects/16821</a>
PA	PGE
PA Application ID	PRJ - 02200942
PA Application Executed Date	NA
PA Program ID	PGE21003
PA Program Name	Energy Upgrade California - Deemed - Multifamily Upgrade
PA Program Year	
Date of CPUC Staff Review:	5/12/2020
PA CMPA Upload Dates Included in this review:	
First PA Upload	4/20/2020
Second PA Upload	#N/A
Third PA Upload	#N/A
PA Measure Description(s):	
Measure 1	MF-Home Upgrade-Total Products Rebate
Measure 2	
Measure 3	
Measure 4	
Measure 5	
Measure 6	
Measure 7	
Measure 8	
Measure 9	
Measure 10	
PA Project Description:	NA
PA Ex Ante kW Demand Reduction	1.1
PA Ex Ante Annual kWh Impacts	-6,268.0
PA Ex Ante Annual Therm Impacts	4,319.0
PA Proposed Incentive \$ (to Customer)	\$55,801.00
PA Proposed Total Payment to Implementer \$ (not to include the above incentive to customer)	0
CPUC Staff Approved Ex Ante kW Demand Reduction	1.1
CPUC Staff Approved Ex Ante Annual kWh Impacts	-6,268.0
CPUC Staff Approved Ex Ante Annual Therm Impacts	4,319.0
CPUC Staff Primary Reviewer Name	
CPUC Staff Primary Reviewer Firm	SPE
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.
	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	Project consists of a combination of modeled and deemed measures. Deemed measures in custom programs must use deemed savings from approved workpapers. Deemed measures in this project are low flow faucet aerators and showerheads. Deemed program estimates for kitchen faucet aerators is 5.0 therms per unit. PGECODHW125-R7 workpaper value is 3.7 therms per unit. Deemed program estimates for low flow showerheads is 7.4 therms per unit. PGECODHW125-R7 workpaper value is 5.0 therms per unit. Please revise savings claims based on currently approved workpapers	Analysis assumptions	Prior to savings claim
2	The therm savings from low flow fixtures are double counted in building 1. Please revise. All of the post retrofit buildings are showing a loss in kWh savings due to added fan energy. This does not make sense with the measures added. Please investigate fan power modeling and revise as necessary.	Analysis assumptions	Prior to savings claim
3	kW savings from bi-monthly upload and verification report do not match. Please investigate and revise as necessary	Other - documentation discrepancy	Prior to savings claim
4	The square footages and building identification numbers in the energy model are hard to verify from the hand sketches. Recommend doublechecking.	Project scope unclear	Prior to savings claim

Note or Instruction Number:	CPUC Staff Notes or Instructions:	Instruction Category	Due Date
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