

## CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	PGE_20_C_C_438_PRJ - 01479627_HVAC
CMPA Directory Link	<a href="#">#N/A</a>
PA	PGE
PA Application ID	PRJ - 01479627
PA Application Executed Date	NA
PA Program ID	a0n3600000NcVg8
PA Program Name	Savings by Design (SBD) - Savings by Design Whole Building
PA Program Year	
Date of CPUC Staff Review:	6/8/2020
PA CMPA Upload Dates Included in this review:	
First PA Upload	4/7/2020
Second PA Upload	4/28/2020
Third PA Upload	N/A
PA Measure Description(s):	
Measure 1	INTEGRATED BUILDING-NONRES-WHOLE BUILDING APPROACH
Measure 2	INTEGRATED BUILDING-NONRES-WHOLE BUILDING APPROACH
Measure 3	INTEGRATED BUILDING-NONRES/RES-DESIGN TEAM-INITIAL PAYMENT
Measure 4	
Measure 5	
Measure 6	
Measure 7	
Measure 8	
Measure 9	
Measure 10	
PA Project Description:	NA
PA Ex Ante kW Demand Reduction	194.2
PA Ex Ante Annual kWh Impacts	459,375.1
PA Ex Ante Annual Therm Impacts	3,153.6
PA Proposed Incentive \$ (to Customer)	\$186,173.18
PA Proposed Total Payment to Implementer \$ (not to include the above incentive to customer)	
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	Sugarpine
CPUC Staff Review Supervisor Name	
CPUC Staff Review Supervisor Firm	SBW
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
	<p>The reviewer identified the following modeling issues. Please address these issues at model true-up:</p> <ul style="list-style-type: none"> <li>*Restrooms and Locker rooms are modeled as unconditioned. They are occupied spaces and need to be modeled as conditioned or indirectly conditioned.</li> <li>*Window assemblies are modeled as NFRC rated at .44 U value. They are not NFRC rated and the assembly value for the specified glass would likely be higher than .44. Please modify U value or verify the assembly values are accurate.</li> <li>*In the IES and CBECC-Com models, wall assemblies and wall square footage don't match each other. They are very different between the models and need to be consistent with each other. They are also inconsistent with the plans. CBECC-Com only has one exterior wall type modeled (metal framed) when there appears to be two distinct wall types (Curtain wall and precast panels).</li> <li>*Boiler and chiller efficiencies in the two models and plans are not consistent.</li> <li>*Under floor electric reheat does not appear to be modeled in CBECC-Com.</li> </ul>	Analysis assumptions

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