

CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	PGE_19_C_C_362_PRJ - 01962582_HVAC
CMPA Directory Link	https://deeresrouces.info/cmpa/projects/15882
PA	PGE
PA Application ID	PRJ - 01962582
PA Application Executed Date	10/11/2019
PA Program ID	PGE211025
PA Program Name	Savings by Design (SBD) - Savings by Design Whole Building
PA Program Year	2019
Date of CPUC Staff Review:	3/10/2020
PA CMPA Upload Dates Included in this review:	
First PA Upload	1/14/2020
Second PA Upload	1/28/2020
Third PA Upload	N/A
PA Measure Description(s):	
Measure 1	INTEGRATED BUILDING-NONRES/RES-DESIGN TEAM-INITIAL PAYMENT
Measure 2	INTEGRATED BUILDING-NONRES/RES-DESIGN TEAM-FINAL PAYMENT
Measure 3	INTEGRATED BUILDING-NONRES-WHOLE BUILDING APPROACH
Measure 4	
Measure 5	
Measure 6	
Measure 7	
Measure 8	
Measure 9	
Measure 10	
PA Project Description:	Add controls to a fan system at a produce packing facility.
PA Ex Ante kW Demand Reduction	8.5
PA Ex Ante Annual kWh Impacts	34,462.0
PA Ex Ante Annual Therm Impacts	1,604.0
PA Proposed Incentive \$ (to Customer)	\$9,858.02
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 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		
	Application ready to proceed with exception(s), as noted		
x	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	<p>A number of issues were discovered with the EnergyPro model in which the model inputs do not match building plans. Please address issues and then resubmit savings estimates.</p> <p>Summary of issues:</p> <ol style="list-style-type: none"> 1. Add reheat to AC1A and AC2A VAV systems. These systems show no energy use for heating the building. 2. Change AC3A and AC2A from packaged Dx to Packaged VAV. These systems show no energy use for heating the building. 3. Add slab edge lengths to model. 4. The walls are concrete walls that are furred with metal studs with no insulation. The submitted model has this modeled correctly in the JA4 tab (for compliance) R= 1.5 but in the Layers tab (used for the noncompliance calcs) this is modeled as Metal insulated panels with and R value of 25.1. 5. The roof is modeled as a metal building with R-30 insulation which came out to R-20. The floor is actually metal framed with pan deck and R-30 foam on top which comes out to R-32. The issue is that defining these envelope components as a metal building lowers standard R values. 	Issue with Parameter Assumptions	N/A

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