

CPUC Staff Ex Ante Review

CPUC Staff Project ID Number	SDGE-19-C-C-272 WholeBldg
CMPA Directory Link	
PA	SDGE
PA Application ID	
PA Application Executed Date	10/5/2018
PA Program ID	SDGE3222
PA Program Name	SW-COM-Calculated Incentives-Savings by Design
PA Program Year	2018
Date of CPUC Staff Review:	12/17/2019
PA CMPA Upload Dates Included in this review:	
First PA Upload	10/8/2019
Second PA Upload	11/5/2019
Third PA Upload	N/A
PA Measure Description(s):	
Measure 1	Whole Building Incentive
Measure 2	
Measure 3	
Measure 4	
Measure 5	
Measure 6	
Measure 7	
Measure 8	
Measure 9	
Measure 10	
PA Project Description:	Facilities Management Building
PA Ex Ante kW Demand Reduction	
PA Ex Ante Annual kWh Impacts	
PA Ex Ante Annual Therm Impacts	
PA Proposed Incentive \$ (to Customer)	\$
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	Weld Fickel
CPUC Staff Primary Reviewer Firm	Sugrprme
CPUC Staff Review Supervisor Name	Jeremy Stapp
CPUC Staff Review Supervisor Firm	SBW
PA Primary Reviewer Name	NA
PA Primary Reviewer Firm	NA
CPUC Staff Project Manager	Peter Lai
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	PA Response
1	The reviewer noted a minor issue with the EnergyPro model. From the reviewer: "the EPro model is missing the interior surfaces that connect conditioned zones with adjoining unconditioned zones. I did one of the larger zones as a test to see what effect it had on the final results. This case showed only a minor effect, less than a 10% difference. So I noted there were minor EPro errors and left it for the SBD Team to properly complete their work." Please update the model as necessary to correct the issue. Thank you.	Eligibility	N/A	Interior surfaces between conditioned and unconditioned zones have been added to the energy model. Please refer to the updated EnergyPro model.
2	The roof insulation in the Epro model and noted on the Measures Inspection Checklist is R-19 batt and R-6 rigid. That matches sheet A-A714-B System Assembly List - Roof Assembly Type1, but not General Note #4 (R-30 batt) or detail 1 on sheet A-A811-B (R-11 batt). Can you specify what batt insulation will be installed on the roof? The model may need to be revised if incorrect and this would affect project percent energy savings relative to the 10% threshold required by SBD rules. If the proposed insulation value is R-11 as shown on one of the drawings, this could potentially drop the savings below the 10% threshold and render the project ineligible. This will need to be resolved before the project can proceed.	Eligibility	N/A	An inquiry was sent out to the design team to obtain updated architectural details and clarifications. The plan check drawings had revisions from the construction documents used during the project review. A screen shot of the updated assembly list is shown to the right. The Shops Building Assembly lists R-30 batt as the insulation type. The EnergyPro model has been updated to include the revised roofing insulation types. Please also refer to the updated drawings for reference.

GENERAL NOTES - EXTERIOR ENVELOPE
1. PRE-ENGINEERED METAL BUILDING SYSTEM INCLUDES ENGINEERING AND DETAILS FOR: <ul style="list-style-type: none"> • EXTERIOR METAL PANELS • EXTERIOR DOORS • EXTERIOR ROLL-UP DOORS • POLYCARBONATE CELESTORY • ROOF ASSEMBLY • SKYLIGHTS • PENETRATIONS THROUGH EXTERIOR ENCLOSURE • ROOF ACCESS LADDER • LOUVERS
2. ALL GLAZING GL-1 UON
3. SEE G-SERIES SHEETS FOR ARCHITECTURAL GENERAL NOTES & SYMBOLS
4. SEE L5-SERIES SHEETS FOR BLDG AREA, TYPE OF CONSTRUCTION AND FIRE LIFE SAFETY INFORMATION
5. STRUCTURE SHOWN FOR REFERENCE ONLY. SEE G-SERIES SHEETS FOR STRUCTURAL INFORMATION
6. MECHANICAL SHOWN FOR REFERENCE ONLY. SEE M-SERIES SHEETS FOR MECHANICAL INFORMATION
7. PLUMBING SHOWN FOR REFERENCE ONLY. SEE P-SERIES SHEETS FOR PLUMBING INFORMATION
8. FIRE PROTECTION SHOWN FOR REFERENCE ONLY. SEE FP-SERIES SHEETS FOR FIRE PROTECTION INFORMATION
9. ELECTRICAL SHOWN FOR REFERENCE ONLY. SEE E-SERIES SHEETS FOR ELECTRICAL INFORMATION
10. DIMENSIONS ARE TO FACE OF FINISH LION TYP
11. PROJECT REFERENCE LEVEL OF GROUND FLOOR FINISH + 0'-0" ARCHITECTURAL DATUM ELEVATION, CIVIL DATUM OF +17.9'

Note or Instruction Number:	CPUC Staff Notes or Instructions:	Instruction Category	Due Date
1			
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SYSTEM ASSEMBLY LIST

REFER TO PRE-ENGINEERED METAL BUILDING STRUCTURAL
 PERMIT PACKAGE FOR EXTERIOR WALL ASSEMBLY
WALL ASSEMBLY # B-13

REFER TO PRE-ENGINEERED METAL BUILDING STRUCTURAL
 PERMIT PACKAGE FOR ROOF ASSEMBLY
ROOF ASSEMBLY # B-20

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.