DOCKETED

Docket Number:	22-BSTD-05
Project Title:	2022 California Utility Allowance Calculator
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Filer:	Thao Chau
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California Energy Commission

California Utility Allowance Calculator

Thao Chau, electrical engineer

11/8/2022

Welcome and Logistics

- Workshop is being recorded and transcribed

- Introduction to general overview of agenda

- There will be public comment periods after both presentations

- When commenting, start with name and affiliation

- Last date to submit written comments is 5 pm Nov 22nd, 2022

Agenda

- Opening remarks by Commissioner McAllister, CEC
- Workshop background and objectives
- Public comments on workshop objectives
- Panel discussion with Low-Carbon Affordable Housing Leaders
- Public comments and questions for panelists
- Quick break
- Technical overview of CBECC-CUAC integration
- Final public comments
- Summary of comments/discussion

Opening Remarks

Commissioner Andrew McAllister, California Energy Commission

Workshop Background & Objectives

Thao Chau, California Energy Commission

California Utility Allowance Calculator

- The California Utility Allowance Calculator (CUAC)
- CA's energy use model to calculate utility bills specific to tenant's rates.
- Estimate what tenants potentially pay for utilities
- Prepared by qualified energy analysts or CA licensed engineers
- Optional way to demonstrate utility allowance savings, more accurate than Public Housing Authority schedules

Interagency Collaboration

- California Tax Credit Allocation Committee (TCAC)
  - Review and approve tax credit applications for projects
  - Approve CUAC tool

- California Energy Commission
  - Develop, maintenance, and support CUAC tool

- Strategic Growth Council and other CA agencies
  - Consider implementing the use of CUAC for their programs

Current CUAC Limitations

- Stand-alone Microsoft Access based desktop application

- Last redesigned version 2.0.0 in Dec 2020 but not updated

- Rates were updated in April 2022

- Not up-to-date underlying assumptions

- No time-of-rate rates

Benefits of CUAC Integration

- Process simplification

- More accurate and consistent calculations

- Building information accessibility

- On-going maintenance and support

CUAC Webpage

CUAC Timeline

Milestones	Estimated Dates
Beta release	Oct 28, 2022
Public comment closes 5 pm PST	Nov 22, 2022
First release in CBECC 2022.2.1	Dec 15, 2022
Tentative effective date	Jan 1, 2023

Poll Time

Comments

- State your name and affiliation

- On computer:
  - Use the "raise hand" feature so we can announce your name and call on you. You will need to unmute yourself.

- On phone:
  - Press *9 to "raise your hand" and *6 to mute and unmute.

Panel Discussion

Will Vicent, California Energy Commission

Low-Carbon Affordable Housing

- Panel Moderator
  - **Will Vicent**, Manager, Building Standards Branch
- Panelists
  - **Amy Dryden**, Director of Strategic Innovation, Association for Energy Affordability
  - **Tim Kohut**, AIA, Director of Sustainable Design with National Community Renaissance
  - **Sean Armstrong**, Principal, Redwood Energy

Questions for Panelists?

Quick Break

Technical Overview of CBECC-CUAC Integration

Thao Chau, California Energy Commission

New CBECC-CUAC

- Current CUAC restrictions apply

- Energy models need to be created

- Models need not be in compliance with Energy Code to run CUAC

- User's knowledge of utility rate structures are assumed

- Water and trash bills are also user inputs

Next Steps

- Report generation

- Example file expansion

- Necessary changes based on public feedbacks

Future Development

- Automatic tariff updates from service provider

- Time of use rates

- Updated appliance assumptions and the lighting models

- Re-designed solar and battery allocations

Important Information

- CUAC Docket
  https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=22-BSTD-05

- Help with CUAC in CBECC
  CUAC@energy.ca.gov

Submit Written Comments

- Submit by **5 pm PST Nov 22nd, 2022**
- E-file
  https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=22-BSTD-05
- Physical
  California Energy Commission Dockets Office, MS-4
  Re: Docket No. 22-BSTD-05
  715 P Street Sacramento, CA 95814-5504
- Email
  Docket@energy.ca.gov

Questions?

Summary of Workshop

- New software available on CUAC webpage
  https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/california-utility-allowance

- Submit written comments by 5 pm PST Nov 22nd, 2022 to docket **22-BSTD-05**

Thank you!