DOCKETED	
Docket Number:	22-BSTD-05
Project Title:	2022 California Utility Allowance Calculator
TN #:	247339
Document Title:	Presentation - California Utility Calculator Allowance Workshop
Description:	CEC presentation for the California Utility Calculator Allowance Staff Workshop held on November 8, 2022
Filer:	Thao Chau
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	11/8/2022 8:56:55 PM
Docketed Date:	11/9/2022



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



- 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
 - o 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



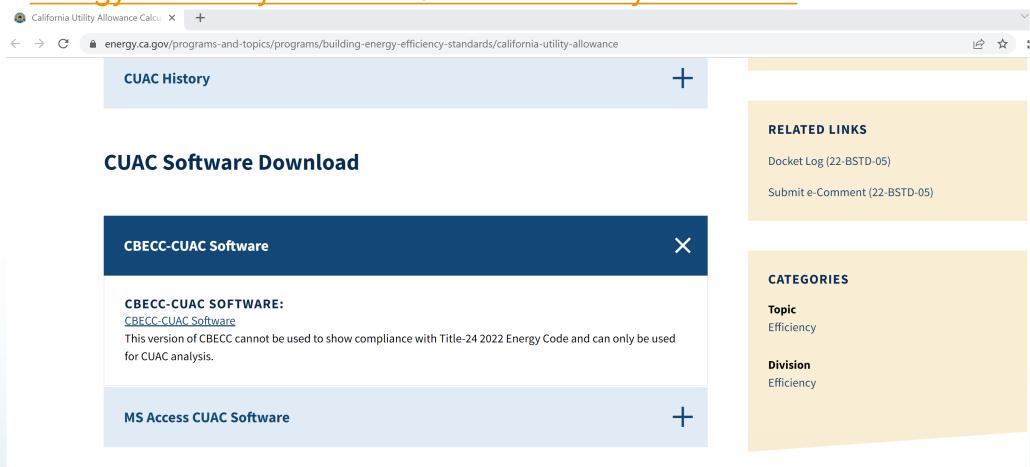
Benefits of CUAC Integration

- Process simplification
- More accurate and consistent calculations
- Building information accessibility
- On-going maintenance and support



CUAC Webpage

https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/california-utility-allowance





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





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:
 - o 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

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Email

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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!