

CALIFORNIA ENERGY COMMISSION

1516 Ninth Street
Sacramento, California 95814

Main website: www.energy.ca.gov



In the matter of:)	Docket No. 14-BSTD-01
)	
2016 Title 24, Part 6, Building Energy)	RE: 2016 Building Energy Efficiency
Efficiency Standards Update)	Standards
_____)	

Notice of Staff Workshop Update of Time Dependent Valuation and Life Cycle Cost Methodology

California Energy Commission staff will conduct a workshop to present the research, analysis and justification for proposed revisions to Time Dependent Valuation factors and the Life Cycle Cost methodology for the 2016 Building Energy Efficiency Standards on:

April 29, 2014
10:00 a.m.

CALIFORNIA ENERGY COMMISSION
1516 Ninth Street,
Hearing Room A
Sacramento, California
Wheelchair Accessible

Remote Access Available by Computer or Phone via WebEx™
(Instructions below)

Background

The Warren-Alquist Act, enacted in 1976, directs the Energy Commission to create and periodically update Building Energy Efficiency Standards for the state of California (contained in the California Code of Regulations (CCR), Title 24, Part 6 (also known as the California Energy Code), and associated administrative regulations in Part 1, Chapter 10 (collectively referred to here as the Standards)). The Standards address newly constructed buildings as well as additions and alterations to existing buildings. The Standards have, in combination with appliance efficiency standards and utility-sponsored incentive programs, strongly contributed to California's per capita electricity consumption levels remaining relatively flat since the mid-1970s. The Energy Commission updates the Standards on a three-year cycle, with few exceptions, since their inception in 1977.

The Warren-Alquist Act requires that energy and water efficiency building standards be "...cost effective, when taken in their entirety and when amortized over the economic life of

the structure when compared with historic practice¹." The Energy Commission has used time dependent valuation (TDV) Life Cycle Cost (LCC) methodology as part of the cost-effectiveness calculation since the 2005 Standards Update.

The concept behind TDV is that energy efficiency measure savings should be valued differently depending on which hours of the year the savings occur, to better reflect the varying costs of energy to consumers, the utility system, and society. The TDV concept is included in the LCC by essentially subtracting the present value of the change in energy usage in TDV from the present value of the change in implementation costs (capital, installation, maintenance, and other potential implementation costs) for each energy efficiency measure and for the Standards taken as a whole. The TDV/LCC method encourages building designers to design buildings that perform better during periods of higher energy cost.

The most recent update, the 2013 Building Energy Efficiency Standards, will go into effect on July 1, 2014. Documents from the most recent 2013 TDV and LCC updates are available at: www.energy.ca.gov/title24/2013standards/prerulemaking/documents/index.html#02272012.

As part of the pre-rulemaking activities for the 2016 Standards Update, the Energy Commission proposes to update the existing TDVs and the LCC methodology. Energy Commission staff will work collaboratively with stakeholders on the recommended draft revisions.

At this workshop, the Energy Commission will present the research, analysis and justification for proposed revisions to the 2016 TDV and LCC methodology.

Workshop participants will have an opportunity to ask questions about this information and to make comments and suggestions.

Public Comment

Oral comments. Staff will accept oral comments during the workshop. Comments may be limited to 5 minutes per speaker. Any comments may become part of the public record in this proceeding.

Written comments. Written comments should be submitted to the Dockets Unit as soon as possible to allow staff time to review them before the workshop, but in any event no later than 4:00 p.m. on April 28, 2014. Written comments will also be accepted at the workshop, however, the Energy Commission may not have time to review them before the conclusion of the meeting. For additional information, see Standing Order re: Proceedings and Confidentiality Procedural Requirements for Filing, Service, and Docketing Documents with the Energy Commission, available at: www.energy.ca.gov/commission/chief_counsel/docket.html.

Additionally, written comments may be posted to the Energy Commission's website for the proceeding. Please note that your written and oral comments, attachments, and associated contact information (e.g. your address, phone, email, etc.) become part of the viewable

¹ Public Resources Code § 25402, subd. (b)(3).

public record. This information may become available via Google, Yahoo, and any other search engines.

The Energy Commission encourages comments by e-mail. Please include your name and any organization name. Comments should be in a downloadable, searchable format such as Microsoft® Word (.doc) or Adobe® Acrobat® (.pdf). Please include the docket number 14-BSTD-01 and indicate 2016 Title 24 Building Energy Efficiency Standards Update in the subject line. Send comments to:

docket@energy.ca.gov

If you prefer, you may send a paper copy of your comments to:

California Energy Commission
Dockets Office, MS-4
Re: Docket No. 14-BSTD-01
1516 Ninth Street
Sacramento, CA 95814-5512

Public Adviser and Other Commission Contacts

The Energy Commission's Public Adviser's Office provides the public assistance in participating in Energy Commission proceedings. If you want information on how to participate in this forum, please contact Alana Mathews at the Public Adviser's Office at PublicAdviser@energy.ca.gov or (916) 654-4489 (toll free at (800) 822-6228).

If you have a disability and require assistance to participate, please contact Lou Quiroz at lou.quiroz@energy.ca.gov or (916) 654-5146 at least five days in advance.

Media inquiries should be sent to the Media and Public Communications Office at mediaoffice@energy.ca.gov or (916) 654-4989.

If you have questions on the subject matter of this meeting, please contact Joe Loyer at Joe.Loyer@energy.ca.gov or (916) 654-4811

Remote Attendance

You may participate in this meeting through WebEx, the Energy Commission's online meeting service. Presentations will appear on your computer screen, and you may listen to audio via your computer or telephone. Please be aware that the meeting may be recorded.

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cec@1516

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If you have difficulty joining the meeting, please call the WebEx Technical Support number at 1-866-229-3239.

Availability of Documents

Documents and presentations for this meeting will be available by April 21, 2014 online at: www.energy.ca.gov/title24/2016standards/prerulemaking/documents/.

April 15, 2014

Dave Ashuckian
Deputy Director
Efficiency Division

List Serves:
Building Standards
Efficiency