

CALIFORNIA ENERGY COMMISSION1516 Ninth Street
Sacramento, California 95814Main website: www.energy.ca.gov**DOCKETED**
13-IEP-1F

TN 71523

JUL 03 2013



In the matter of,

2013 Integrated Energy Policy Report
(2013 IEPR)

) Docket No. 13-IEP-1F
)
)
) Lead Commissioner Workshop
) RE: Zero Net Energy Definition

Notice of Lead Commissioner Workshop on The Definition of Zero Net Energy in Newly Constructed Buildings in California

The California Energy Commission Lead Commissioner on the Integrated Energy Policy Report (IEPR) will conduct a workshop to discuss the definition of "Zero Net Energy" as it relates to newly constructed buildings in California.

Commissioner Andrew McAllister is the Lead Commissioner for the 2013 IEPR. Other commissioners may attend and participate in this workshop. Commissioners and staff from the California Public Utilities Commission (CPUC) may also attend and participate.

Thursday, July 18, 2013

9:00 a.m.

CALIFORNIA ENERGY COMMISSION1516 Ninth Street
First Floor, Hearing Room A
Sacramento, California
(Wheelchair Accessible)

Remote Access Available by Computer or Phone via WebEx™
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Agenda

The workshop will contribute to the Energy Commission's 2013 IEPR proceeding. The workshop responds to the 2013 IEPR Scoping Order, dated March 7, 2013. The Order directs Energy Commission staff and Commissioners to hold a public workshop to facilitate the discussion of the definition of Zero Net Energy (ZNE) as applied to newly constructed buildings in California. In general terms, a ZNE building combines energy efficiency measures and renewable electricity generation such that on an annual basis the building produces as much energy as it consumes. For consistent state policy and

planning purposes, it is necessary to establish a clear, singular definition for a ZNE building. The Energy Commission will propose a ZNE definition based on the Time Dependent Valuation (TDV) energy metric used in the California Building Energy Efficiency Standards (Title 24, Part 6).

Background

The *2007 Integrated Energy Policy Report* for the California Building Energy Efficiency Standards (Title 24, Part 6) established goals for achieving zero net energy for newly constructed residential buildings by 2020 and zero net energy for newly constructed nonresidential buildings by 2030. These goals also have been adopted into California's Clean Energy Future Implementation Plan, the Energy Action Plan, the CPUC's Long-term Energy Efficiency Strategic Plan and Air Resources Board's AB 32 Scoping Plan.

The Energy Commission uses TDV to analyze energy efficiency measures proposed for updates to Title 24, Part 6. TDV accounts for the long-term projected avoided cost of future energy generation, transmission, distribution, and delivery, and the value of the associated avoided greenhouse gas and criteria air pollutant emissions. TDV reflects the variation over time (on an hourly basis throughout the year) in the cost of energy production and delivery, which properly values both on-peak electricity generation and its avoidance through energy efficiency, more than it does off-peak electricity generation and its avoidance through energy efficiency.

To facilitate planning and infrastructure development efforts necessary to meet the State's goals for incorporation of ZNE into Title 24, Part 6, a ZNE building and any associated on-site renewable electricity generation would be analyzed using the same methodology.

Public Comment

Oral Comments. The IEPR Lead Commissioner will accept oral comments during the workshop. Comments may be limited to three minutes per speaker. Any comments will become part of the public record in this proceeding.

Written Comments. Written comments should be submitted to the Dockets Unit by **August 1, 2013**. 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 workshop. All written comments will become part of the public record of this proceeding, and may be posted to the Energy Commission's website for this 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 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 13-IEP-1F and indicate Zero Net Energy Definition in the subject line. Send comments to docket@energy.ca.gov and copy the technical lead staff at Joe.Loyer@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. 13-IEP-1F
1516 Ninth Street
Sacramento, CA 95814-5512

Public Adviser and Other Commission Contacts

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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 (916) 654-4989, or by e-mail at mediaoffice@energy.ca.gov.

If you have questions on the technical subject matter of this meeting, please call Joe Loyer, Mechanical Engineer, at (916) 654-4811 or by e-mail at Joe.Loyer@energy.ca.gov. For general questions regarding the IEPR proceeding, please contact Lynette Green, IEPR project manager, at (916) 653-2728 or by e-mail at Lynette.Green@energy.ca.gov.

The service list for the 2013 IEPR is handled electronically. Notices and documents for this proceeding are posted to the Energy Commission website at www.energy.ca.gov/2013_energy_policy/index.html. When new information is posted, an e-mail will be sent to those on the energy policy e-mail list server. We encourage those who are interested in receiving these notices to sign up for the list server through the website www.energy.ca.gov/listservers/index.html.

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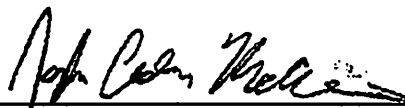
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Availability of Documents

Documents and presentations for this meeting will be available online at: www.energy.ca.gov/2013_energy_policy/documents/index.html/.

Date: July 3, 2013



ANDREW MCALLISTER, Ph.D.
Lead Commissioner
2013 Integrated Energy Policy Report

Listserves: [energypolicy](#), [efficiency](#), [appliances](#), [buildingstandards](#)