DOCKETED	
Docket Number:	22-DECARB-01
Project Title:	Heat Pump and Decarbonization Goals
TN #:	242460
Document Title:	Notice of CEC Staff Workshop on Heat Pump Goals, Supply Chain, and Programs
Description:	Scheduled on April 5, 2022; 10 a.m.
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Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	3/25/2022 9:52:31 AM
Docketed Date:	3/25/2022

CALIFORNIA ENERGY COMMISSION
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CEC-70 (Revised 11/2021)

IN THE MATTER OF: *California Heat Pump Goals, Supply Chain, and Programs Workshop*	Docket No. 22-DECARB-01 NOTICE OF REMOTE-ACCESS WORKSHOP RE: Heat Pump Goals, Supply Chain, and Programs

Notice of Staff Workshop
Heat Pump Goals, Supply Chain, and Programs
April 5, 2022
10:00 a.m. – 4:00 p.m.
Remote Access Only

The California Energy Commission (CEC) will host a staff workshop to discuss next steps in California's building decarbonization goals with heat pump manufacturers, distributors, program implementors, and interested stakeholders.

Commissioner McAllister, the lead commissioner at CEC on building decarbonization, and Chair Hochschild, the associate commissioner on building decarbonization, may attend. No other commissioners will participate. This workshop will be held remotely. The public can participate in the workshop consistent with the direction provided below. Please note that the CEC aims to begin promptly at the start time posted and the end time is an estimate based on the agenda proposed. The workshop may end sooner or later than the posted end time depending on various factors.

Agenda
The workshop will consist of three parts. First, a presentation from CEC staff summarizing the building decarbonization assessment and California's heat pump and decarbonization goals. Second, a panel discussion with heat pump manufacturers and distributors about supply chain challenges and changes needed to meet California's goals. Third, a panel of heat pump and decarbonization program implementers focused on program design, lessons learned, and best practices from current and past programs.

A detailed meeting agenda will be posted prior to the workshop in the 22-DECARB-01 docket at https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=22-DECARB-01

Background
California faces numerous climate change-induced challenges from wildfires to heat waves to droughts. These challenges impact the safety and health of residents, the reliability of energy systems, and the economy of the state. California has studied, planned, and acted over the last 15 years to reduce the emissions of greenhouse gases (GHG) and impacts of climate change through the energy, transportation, natural lands, agricultural, and industrial sectors. Residential and commercial buildings account for about 24 percent of GHG emissions when including fuel used in buildings such as electricity and gas for heating, cooling, lighting, and cooking; emissions from refrigerants used in those sectors; and the emissions from electricity generation for electricity used in buildings.

Reducing GHG emissions and increasing the resiliency of buildings and energy systems are critical steps for California to mitigate climate change impacts. California agencies and local jurisdictions are coordinating on reducing GHG emissions economywide. This effort is supported by legislation and Executive Order B-55-18, which set a goal to achieve economywide carbon neutrality no later than 2045.

Heat pumps are a critical enabling technology for achieving building decarbonization. As such, the CEC is recommending a goal of installing at least six million heat pumps by 2030 (see 2021 Integrated Energy Policy Report, Volume 1). Further, the CEC commits to working with stakeholders — including manufacturers, labor representatives, and environmental advocates — to accelerate the market to meet this goal and advance comprehensive migration to heat pumps for space and water heating, while balancing consumer education and consumer protection needs.

The year 2030 is just around the corner. Given the current rate of equipment replacement, replacing most existing equipment stocks with low-carbon emission alternatives would take more than 15 years — well beyond 2030. The key space and water heating equipment that drives the bulk of on-site GHG emissions has an expected lifetime of one to two decades. That makes the market transformation of new low and zero carbon equipment sales a key priority.

Remote Attendance Instructions
The workshop may be accessed by clicking the Zoom link below or visiting Zoom at https://join.zoom.us and entering the ID and password for the workshop listed below. If you experience difficulties joining, contact Zoom at (888) 799-9666 ext. 2, or the Public Advisor at publicadvisor@energy.ca.gov or at (916) 957-7910.

Link to Workshop:
https://energy.zoom.us/j/98661959510?pwd=aTQrWlNLb1hjMUxzd0ZaNzE2ZWZ4UT09
Workshop ID: 986 6195 9510
Workshop Password: 193117

Use the "raise hand" feature to indicate you want to speak and the event facilitator will indicate when your line is open and ready for you to make comment.

To Participate by Telephone, dial (213) 338-8477 or (669) 219-2599, or Toll Free (877) 853-5257. When prompted, enter the ID: 949 1844 0217. To comment, dial *9 to "raise your hand" and *6 to mute/unmute your phone line (International Calls: https://energy.zoom.us/u/adAAHwzO5g).

Zoom's closed captioning service will be enabled for the meeting. Attendees can use the service by clicking on the "live transcript" icon and then choosing either "show subtitle" or "view full transcript." The closed captioning service can be stopped by exiting out of the "live transcript" or selecting the "hide subtitle" icon. Closed captioning cannot be exited by phone.

Public Comment
Written and oral comments, attachments, and associated contact information (including address, phone number, and email address) will become part of the public record of this proceeding with access available via any internet search engine.

Oral comments will be accepted at the end of the workshop. Comments may be limited to three minutes or less per speaker and one person per organization. If participating via Zoom's online platform, use the "raise hand" feature so the administrator can announce your name and unmute you. If you are participating by telephone, press *9 to "raise your hand" and *6 to mute/unmute.

Written comments must be submitted to the Docket Unit by 5:00 p.m. on April 19, 2022.

The CEC encourages use of its electronic commenting system. Visit the 22-DECARB-01 e-commenting page at https://efiling.energy.ca.gov/EComment/EComment.aspx?docketnumber=22-DECARB-01, which links to the comment page for this docket. Enter your contact information and a comment title describing the subject of your comment(s). Comments may be included in the "Comment Text" box or attached as a downloadable, searchable document consistent with California Code of Regulations, Title 20, Section 1208.1. The maximum file size allowed is 10 MB.

Written comments may be submitted by email. Include docket number 22-DECARB-01 and Decarbonization in the subject line and email to docket@energy.ca.gov.

A paper copy may be sent to:

California Energy Commission
Docket Unit, MS-4
Docket No. 22-DECARB-01
715 P Street
Sacramento, California 95814

Public Advisor and Other CEC Contacts
The CEC's Public Advisor provides the public with assistance in participating in CEC proceedings. For information about how to participate in this workshop or to request interpreting services or other reasonable modification and accommodations, reach out by phone at (916) 957-7910 or via email at publicadvisor@energy.ca.gov. Requests should be made for interpreting services,

reasonable modifications and accommodations as soon as possible but at least five days in advance of the workshop. However, the CEC will work diligently to meet all requests based on the availability of the service or resource requested.

Direct media inquiries to mediaoffice@energy.ca.gov or (916) 654-4989.

Direct technical subject inquiries to Gabriel D. Taylor, P.E., at gabriel.taylor@energy.ca.gov or (916) 903-4659.

Availability of Documents
Documents and presentations for this meeting will be available in the 22-DECARB-01 docket at https://efiling.energy.ca.gov/Lists/DocketLog.aspx?docketnumber=22-DECARB-01.

When new information is posted, an email will be sent to those on the climatechange, dcag, greenbuilding, decarbonization, efficiency, and existing_buildings, and loadmanagement list servers. To receive these notices and other information regarding this proceeding, subscribe to one or more of these list servers. To subscribe to a list server or manage your existing subscriptions, please visit the CEC List Servers page at https://ww2.energy.ca.gov/listservers/index_cms.html.

Dated: March 25, 2022, at Sacramento, California

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Michael J. Sokol
Deputy Director, Efficiency Division

List Servers: climatechange, dcag, greenbuilding, decarbonization, efficiency, existing_buildings, loadmanagement