DOCKETED	
Docket Number:	22-DECARB-02
Project Title:	Building Decarbonization and Electric Vehicle Charging Equipment Web Guide
TN #:	244033
Document Title:	Notice of Availability - Request for Information (RFI)
Description:	*** This document supersedes TN #243852 - RFI posted 762022*** - CEC seeks data, examples, and guidance from stakeholders and the public as it develops a new webpage providing information, resources, and tools about building decarbonization and electric vehicle (EV) charging equipment. The webpage aims to serve as a "one-stop shop" for decarbonization information and satisfy the requirements of Senate Bill 68 (Becker, Chapter 720, Statutes of 2021), hereinafter "SB 68."
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Submission Date:	7/12/2022 3:06:59 PM
Docketed Date:	7/12/2022

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CEC-057 (Revised 1/21)

Notice of Availability
Request for Information (RFI)

Building Decarbonization and Electric Vehicle Charging Equipment Website
Docket # 22-DECARB-02

Written Comments Due: August 8, 2022

The California Energy Commission (CEC) seeks data, examples, and guidance from stakeholders and the public as it develops a new webpage providing information, resources, and tools about building decarbonization and electric vehicle (EV) charging equipment. The webpage aims to serve as a "one-stop shop" for decarbonization information and satisfy the requirements of Senate Bill 68 (Becker, Chapter 720, Statutes of 2021), hereinafter "SB 68."

Background

In 2021, SB 68 directed CEC to gather or develop, and publish on its internet website, guidance and best practices to help building owners, the construction industry, and governments overcome barriers to electrification of buildings and installation of EV charging equipment in residential and commercial buildings. Developing and maintaining the website will require ongoing research, data gathering, and coordination with federal and state agencies, tribal and local governments, community organizations, and decarbonization stakeholders. This request for information (RFI) seeks data and guidance from those interested to help shape and develop the website.

California recognizes the urgent need to mitigate the causes of climate change. Assembly Bill 32 "AB 32" (Nunez, Chapter 488, Statutes of 2006), the Global Warming Solutions Act of 2006, established an initial goal for California to reduce greenhouse gas (GHG) emissions to 1990 levels by 2020. SB 32 (Pavley, Chapter 249, Statutes of 2016) established a statewide GHG reduction goal of 40 percent below 1990 levels by 2030, and its companion bill, AB 197 (Garcia, Chapter 250, Statutes of 2016), emphasized the equitable implementation of climate change policies such that benefits reach disadvantaged communities.

In 2018, Governor Brown issued executive order B-55-18, which established a statewide goal of carbon neutrality by 2045. The same year, Governor Brown signed AB 3232 (Friedman, Chapter 373, Statutes of 2018), requiring the CEC to assess the potential for

the state to reduce GHG emissions from residential and commercial buildings by at least 40 percent below 1990 levels by January 1, 2030, and SB 1477 (Stern, Chapter 378, Statutes of 2018), establishing the Building Initiative for Low-Emissions Development (BUILD) and the Technology and Equipment for Clean Heating (TECH) programs to provide incentives for the installation of low-GHG emission equipment and appliances in buildings and "move the market."

Switching from the use of fossil fuels to electricity, for heating and other building energy uses, is an important pathway for reducing GHG emissions. Increasing energy conservation and efficiency, shifting energy usage to non-peak hours, reducing the number of hydrofluorocarbons in equipment, harnessing and storing renewable energy, and advancing zero carbon gas alternatives are other key strategies to reduce emissions from buildings. The availability of EV charging at residential and commercial buildings is an important factor in increasing the adoption of EVs, advancing equitable decarbonization, and reducing overall emissions.

Information Requests and Questions for Stakeholders

The CEC is gathering data, information, and recommendations about building technologies, tools, software, or financial resources that advance or facilitate building decarbonization, building electrification, and EV charging. The questions apply to all building types, unless otherwise specified. Detailed responses, data, examples, references, cites, and weblinks are encouraged.

1) Which building technologies (devices, appliances, and equipment) that advance or facilitate building decarbonization, electrification, and EV charging would you recommend be included on CEC's informational website? Where applicable, please address the following in your response.

   - Explain how your recommended technology facilitates the installation of EV chargers and reduces GHG emissions in buildings.
   - Explain how the recommended technology information would assist building owners, local governments, or the construction industry.
   - Does the technology offer additional benefits, e.g., reduces energy usage or energy burden, automates shifting of energy usage to non-peak hours, improves indoor air quality?
   - Is the technology capable of providing stored electricity back to appliances, buildings, or the grid?
   - Is the technology market-available? Please include manufacturer(s) name and website(s).
   - What is the average retail cost point or cost range? Is the technology cost-effective? Please include references.
   - What is the useful life of the technology?

- What is the expected maintenance and service frequency?
- Does the technology require licensed contractor installation and labor? If so, please specify the trade(s) required and an estimate on installation and labor costs.
- Does the technology require electrical upgrades to an existing building with a service panel of 30-amp fuse panel/120 volts? 60-amp fuse panel/240 volts?
- Specify average annual energy consumption, if applicable.
- Specify the BTU capacity by tonnage, if applicable.
- Specify the type of refrigerant used, including its global warming potential (GWP), if applicable.
- Specify the applicable building type(s) (single-family, commercial, and multifamily).
- Does the technology contain "smart" functionality? If so, please detail the "smart" capabilities or protocols.

2) What tools, software, or resources that advance or facilitate building decarbonization, electrification, and EV charging would you recommend staff review for inclusion on CEC's informational website? This includes, but is not limited to, studies, equipment guidance and comparison, outreach materials, energy modeling/budgeting software, GHG modeling, model building permits or permitting process, model ordinances, and websites. Where applicable, please address the following in your response.

- Explain how the recommended tool, software, or resource facilitates the installation of EV chargers and reduces GHG emissions in buildings.
- Explain how the recommended tool, software, or resource would assist building owners, local governments, or contractors.
- Does the recommended tool, software, or resource offer additional benefits or value?
- Please indicate if the tool, software, or resource is fee-based or free to users to access.

3) Incentive and Financing: Provide recommendations of successful or innovative financing and incentive programs or models - proposed, past, or active programs - that advance building decarbonization, electrification, and EV charging. Where applicable, please address the following in your response.

- Explain the program/model and how it advances the installation of EV chargers and reduces GHG emissions in buildings. This includes, but is not

limited to, incentive or financing being offered, eligible parties and equipment, market segment, geographic region, and administrator.

- If the program is ongoing or concluded, what were/are the program results?
- How does your program or model advance energy equity and reduce energy burden?
- Which existing program website or websites would be helpful templates and models for the CEC to see and to potentially consider linking to the proposed webpage discussed here?

Submitting Comments to the CEC Docket

Written comments must be submitted to the Docket Unit by **5:00 p.m.** on **August 8, 2022**. Written comments, attachments, and associated contact information (e.g., address, telephone number, email address) will become part of the public record of this proceeding with access available via any internet search engine. The CEC encourages use of its electronic commenting system, https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=22-DECARB-02, 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 in a downloadable, searchable document consistent with 20 California Code of Regulations section 1208.1. The maximum file size is 10 MB. Written comments may also be submitted by email. Include the docket number **22-DECARB-02** and "Building Decarbonization and Electric Vehicle Charging Equipment Web Guide" in the subject line and send to docket@energy.ca.gov.

If preferred, a paper copy may be submitted to:

California Energy Commission
Docket Unit, MS-4
Re: Docket No. 22-DECARB-02
715 P Street
Sacramento, CA 95814-5512

Public Advisor and Other Commission Contacts

The CEC's Public Advisor provides the public with assistance in participating in CEC proceedings. For information on how to participate in this proceeding, or to request language services or other reasonable accommodations, please contact the Public Advisor's Office at publicadvisor@energy.ca.gov, (916) 654-4489, or toll free at (800) 822-6228.

Direct questions on the subject matter of this RFI to Heriberto Rosales at heriberto.rosales@energy.ca.gov, or (916) 903-4671.

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

Availability of Documents
All records for the process will be accessible in the Building Decarbonization and Electric Vehicle Charging Equipment Web Guide: 22-DECARB-02. To stay informed about this proceeding and receive documents and notices of upcoming workshops and hearings as they are filed, please subscribe to the proceeding subscription service at the following link, under "Efficiency Topics", and check sub-item "Decarbonization Topics," The subscription service sends out email notifications and direct links when documents and notices are filed in the proceeding docket.