

**CALIFORNIA ENERGY COMMISSION**

1516 Ninth Street Sacramento, California 95814 Main website: [www.energy.ca.gov](http://www.energy.ca.gov)



**Hydrogen Infrastructure Workshop  
--Draft Solicitation Concepts for Hydrogen Refueling Infrastructure--**

**Thursday, August 13, 2015**

10 a.m. – 4:30 p.m.

California Air Resources Board  
Coastal Hearing Room, 1001 "I" Street  
Sacramento, California 95812

AND

**Friday, August 14, 2015**

9 a.m. – 4:00 p.m.

California Air Resources Board  
Training Rooms 1 East & 1 West  
1001 "I" Street  
Sacramento, California 95812

The objective of this workshop is to provide a forum to discuss the Draft Solicitation Concepts, Hydrogen Refueling Infrastructure (distributed on July 31, 2015).

**Agenda**

**Day 1 (August 13, 2015):**

**10:00 a.m. – 10:10 a.m.**

Introduction

Catherine Dunwoody  
California Air Resources Board (CARB)

**10:10 a.m. – 10:20 a.m.**

Agenda Overview and Expectations

Jim McKinney, California Energy Commission

**10:20 a.m. – Noon**

Presentation:

Fuel cell electric vehicle and hydrogen fuel station network analytical tools. California Hydrogen Assessment Tool (CHAT) and California Hydrogen Infrastructure Tool (CHIT), an Overview and Demonstration.

-“2015 Annual Evaluation of Fuel Cell Electric Vehicle Deployment and Hydrogen Fuel Station Network Development” and the roles of CHAT/CHIT

-Gap analysis

-Capacity

-Coverage

Presenter:

Andrew Martinez, CARB

Facilitator:

Gerhard Ahtelik, CARB

**Noon – 1:30 p.m. Lunch Break**

**1:30 p.m. – 2:30 p.m.**

Stakeholder discussion about:

-Competitions: core market, future market and connectors

-Cap-X and O&M funding levels, eligible and ineligible costs, and operational dates

-Eligible projects

-Agreement execution deadline

-Multiple station applications

-Single applicant cap

-Match share funding

Facilitators:

Phil Cazel, California Energy Commission

Sarah Williams, California Energy Commission

**2:30 p.m. – 2:45 p.m. Break**

**2:45 p.m. – 3:40 p.m.**

Stakeholder discussion about:

- Minimum technical requirements of hydrogen refueling stations
- Hydrogen quality requirements
- Dispenser accuracy
- Fueling protocols
- Minimum station daily fueling capacity requirements
- Minimum peak fueling capacity requirements
- Back to back fueling requirements
- Dual dispenser pressure requirements

Facilitator:  
Gerhard Achtelik, CARB

**3:40 p.m. – 4:00 p.m.**

Stakeholder discussion about:

- Mobile refueling accommodation
- Point of sale (POS)
- California Fuel Cell Partnership Station Operational Status System

Facilitator:  
Phil Cazel, California Energy Commission

**4:00 p.m. – 4:30 p.m.**

Day 1 Wrap-up and Public Discussion

Facilitator:  
Phil Cazel, California Energy Commission

**DAY 2 (August 14, 2015):**

**9:00 a.m. – 11:00 a.m.**

Stakeholder discussion about:

- Application Submittal and Screening Process
  - Letters of Support/Commitment
  - Data collection
  - Screening criteria
- Application Scoring and Evaluation
- Scoring Criteria and Points

Facilitators:

Sarah Williams, California Energy Commission  
Andrew Hom, California Energy Commission  
Eric VanWinkle, California Energy Commission

**11:00 a.m. – 11:15 a.m. Break**

**11:15 a.m. – Noon**

Stakeholder discussion about:

- Renewable hydrogen

Facilitator:

Sarah Williams, California Energy Commission

Stakeholder discussion about:

- California Environmental Quality Act (CEQA)
- Permitting

Facilitator:

Samantha Arens, California Energy Commission

Stakeholder discussion about:

- Enforcement of Station Locations and Critical Project Milestones

Facilitator:

Sarah Williams, California Energy Commission

**Noon – 1:30 p.m. Lunch Break**

**1:30 p.m. – 2:30 p.m.**

Stakeholder discussion about:

- Hydrogen/Quality/Purity testing
- Type certification
- HyStEP

Facilitators:

Kristin Macey, California Department of Food and  
Agriculture/Division of Measurement Standards  
(CDFA/DMS)  
Kevin Schnepf, CDFD/DMS

**2:30 – 2:45 p.m. Break**

**2:45 p.m. – 4:00 p.m.**

Day 2 Wrap-up and Public Discussion

Facilitators:

Sarah Williams, California Energy Commission  
Phil Cazel, California Energy Commission

**4:00 p.m. - Adjourn**

**Attendee List**

Attendees should note that an attendee list (in-person and electronic) may be prepared and that participants can choose not to be included on the list. The list becomes part of the public record and may be searchable with on-line systems.

Written comments should be submitted to the Energy Commission Dockets Unit by 5:00 p.m. on August 28, 2015. Written comments will also be accepted at the workshop, however, the Commission may not have time to review them before the conclusion of the meeting. Please refer to the Notice of Staff Workshop for additional details on how to submit comments. Written comments may be posted to the Energy Commission's website for the proceeding. Please note that your posted 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.

