

Subject: Invitation: California Hydrogen Infrastructure Tool (CHIT) 2017 Release Update and Grant Funding Opportunity Implementation Webinar
November 14, 2017 Sacramento

Please join California Air Resources Board (CARB) staff for a technical discussion of the most recent updates to the California Hydrogen Infrastructure Tool (CHIT)¹. The discussion will focus on new and updated tools, new and updated datasets, and CARB's model parameters for the most recent implementation of the tool in support of the 2017 Annual Evaluation of Fuel Cell Electric Vehicle Deployment and Hydrogen Fuel Station Network Development². CHIT is a Geographic Information Systems (GIS)-based tool built in the ArcGIS environment that CARB first developed in 2015 to perform geographically-detailed assessments of need for new hydrogen fueling infrastructure to support the deployment of Fuel Cell Electric Vehicles.

CARB will also discuss methods by which information from the tool was integrated into Coverage, Capacity, and Market Viability evaluations of station development applications in response to the California Energy Commission's Grant Funding Opportunity (GFO) 15-605³. The goal is to provide stakeholders with a comprehensive understanding of the new features of the tool, the analyses performed by CARB using the tool, and use of the tool's key information outputs in funding programs. This webinar will also be an opportunity for stakeholders to provide feedback for additional developments in future CHIT releases and on CHIT's use in future GFO evaluation criteria. Interested parties not familiar with CHIT are strongly encouraged to review the 2015 CHIT Technical Formulation Webinar⁴ to become familiar with GIS tools and fundamental aspects of CHIT.

Agenda attached.

¹ https://www.arb.ca.gov/msprog/zevprog/hydrogen/CHIT_2017.ZIP

² https://www.arb.ca.gov/msprog/zevprog/ab8/ab8_report_2017.pdf

³ <http://www.energy.ca.gov/contracts/transportation.html#GFO-15-605>

⁴ <https://www.arb.ca.gov/msprog/zevprog/hydrogen/h2fueling.htm>

When: November 14, 2017

1:00 p.m. – 5:00 p.m.

Where: Cal EPA Headquarters, Conference Room 550

1001 I Street Sacramento, CA 95814

For questions or to RSVP for in-person attendance, please respond to this announcement or contact Andrew Martinez: andrew.martinez@arb.ca.gov or (916) 322-8449. Participation via GoToWebinar is also available. To register for the webinar, please visit:

<https://attendee.gotowebinar.com/register/5038566295981850114>

November 14, 2017
1:00 p.m. to 5:00 p.m.
California Air Resources Board (CARB)
Cal EPA Headquarters, Conference Room 550 and Webinar
1001 I Street
Sacramento, CA 95814

Purpose: Provide stakeholders with a comprehensive understanding of updates to the analysis capabilities of the California Hydrogen Infrastructure Tool (CHIT), methods used to incorporate CHIT output data into grant funding opportunity (GFO) evaluations for new hydrogen station proposals, and an opportunity to provide feedback for desirable additional developments in future versions of the tool. This discussion is anticipated to increase stakeholder knowledge and familiarity with CARB's analysis methods pertaining to hydrogen fueling station planning and to provide stakeholders an opportunity to provide input to CARB for further development of analysis and application of the tools.

1:00 – 3:00 Overview of CHIT 2017 Release Update

- Recap of CHIT fundamentals
- Simulated traffic intensity data
- Implementation of auto manufacturer survey and DMV registration data
- Alternative coverage gap formulation
- Local capacity need calculation
- Coverage gap re-tuning tool
- Single station impact and re-evaluation tool
- Evaluation grid geometry and coordinate system
- Demographic data updates and comparison to CVRP data
- Updated online map viewer
- Future implementation of CHIT

3:00 – 4:00 Overview of CHIT Application in GFO-15-605

- Recap of GFO-15-605 evaluation criteria
- Focus on the "Coverage, Capacity, and Market Viability" criterion, which included CHIT
- Discussion of how CHIT was used under this criterion
- Discussion of the non-CHIT-related components of this criterion
- Overview of the types of information that applicants could provide under this criterion

4:00 – 5:00 Opportunity for Open Discussion

