

Memo

To: Andrew Hom (Andrew.Hom@energy.ca.gov)
CEC (docket@energy.ca.gov)

From: Justin Chow

CC: Abas Goodarzi (Abas@ushybrid.com)

Date: 8/13/2015

Re: US Hybrid Comments on Draft Solicitation Concepts for Hydrogen Refueling Infrastructure

Dear Andrew and CEC,

Thank you for the opportunity to comment on your Draft Solicitation Concepts for Hydrogen Refueling Infrastructure. We appreciate the CEC's efforts towards curbing environmental pollution through zero emission (ZE) technologies. However, US Hybrid feels that too much of the zero emission (ZE) focus today is still on light-duty vehicle (LDV) projects and not enough on medium- and heavy-duty vehicles (MDV/HDV) in spite of the fact that more than 23% of the global warming pollution is attributed to MDVs/HDVs.¹ Moreover, any ZE vehicle projects that are successfully funded by the limited MDV/HDV pots are immediately handicapped by lack of funding for MDV/HDV infrastructure.

In light of the above, the following are US Hybrid's comments on the document at hand:

1. The solicitation needs more language on MHD fueling besides one bullet on page 23
2. The solicitation needs inclusion of dedicated islands for 350bar MHD dispensers
3. CEC should consider language for phasing out of 350bar from LDVs and only use 350bar for MDVs/HDVs
4. CEC should consider a possible strategy of having a few strategically placed stations having both 700bar for LDVs and 350bar for MDVs/HDVs
5. The solicitation needs add another column in Table 1 on page 5 for MDV/HDV fueling

Table 1: Hydrogen Station Location Priority Areas and Purpose

Priority Areas	Max # of Stations to be Funded	Purpose
San Francisco	2	Establish Core Market
Berkeley/Oakland/Walnut Creek/Pleasant Hill	2	Establish Core Market
San Diego/La Mesa	1	Expand Core Market Coverage
South San Diego/Coronado	1	Expand Core Market Coverage
Pasadena/San Gabriel/Arcadia	1	Expand Core Market Coverage
Long Beach/Huntington Beach/Buena Park/Irvine	1	Expand Core Market Coverage
Sacramento/Lard Park	1	Expand Core Market Coverage
Sacramento/Carmichael	1	Expand Core Market Coverage
Greater Los Angeles/Sherman Oaks/Granada Hills/Glendale	1	Expand Core Market Capacity
Torrance/Palos Verdes/Manhattan Beach/Redondo Beach	1	Expand Core Market Capacity
Santa Cruz	1	initiate Future Market
Fremont	1	initiate Future Market
Thousand Oaks	1	initiate Future Market
Encinitas/Carlsbad	1	initiate Future Market
Lebec	1	Develop Connector
Los Banos	1	Develop Connector
Camp Pendleton	1	Develop Connector

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California Energy Commission

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15-HYD-01

TN 76126

AUG 13 2015

Sincerely,

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¹ Annual Energy Outlook 2014 (AEO2014)." U.S. Energy Information Administration (EIA). 1 Apr. 2014. Web.
<[http://www.eia.gov/forecasts/aeo/pdf/0383\(2014\).pdf](http://www.eia.gov/forecasts/aeo/pdf/0383(2014).pdf)>.