

**Ford Motor Company
Sustainability, Environment
& Safety Engineering
Vehicle Electrification & Infrastructure**



**World Headquarters
One American Road
Dearborn, MI 48126**

California Energy Commission
Docket Office, MS-4
1516 Ninth Street
Sacramento, CA 95814-5512

June 15, 2012

RE: 11-ALT-1: 2012-2013 Investment Plan – Electric Vehicle Charging Infrastructure

DOCKET

11-ALT-1

DATE JUN 18 2012

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Ford Motor Company would first note appreciation for the opportunity to comment on the California Energy Commission's (CEC) staff draft report outlining the policies, programs, and goals aimed at furthering the deployment of alternative fuel vehicles. Electrification is an important piece of Ford's overall product sustainability strategy. Ford's aggressive strategy includes the launch of six electrified vehicles in North America by 2012 and Europe by 2013. Ford launched the Transit Connect Electric small commercial van in 2010 and the Focus Electric in 2011. For the 2013 MY, Ford will launch C-MAX and Fusion Hybrid, a second next-generation lithium-ion battery hybrid, and the C-MAX and Fusion Energi plug-in hybrid. The range of electrified vehicle technologies allows Ford to meet a variety of consumer driving needs.

Ford Motor Company has been working through the Society of Automotive Engineers (SAE) to finalize a standard for DC fast charging. The SAE standard is already balloted in draft form and is slated to be completed within the next few months. Fully certified stations are expected by the end of the 2012 CY. This combined charging system approach has the following benefits:

- All charging options (i.e. AC and DC) can be done with one vehicle inlet/connector reducing vehicle and infrastructure complexity/cost.
- A common communication method from vehicle to charging station and charging station to grid (HomePlug GreenPHY) with the ability to handle future advances in technology including smart grid.
- Reduced infrastructure planning complexity and cost while improving the ownership experience for electric vehicle customers.
- Provides a uniform standard with identical electrical systems, charge controllers, safety mechanisms, and common sheet metal interface dimensions for every market.
- The common approach among Global OEM's will facilitate the growth of public charging infrastructure worldwide.

We are excited about the CEC's efforts to promote charging infrastructure including fast chargers for PEV customers. Ford recognizes the challenges in deploying commercial and public charging stations and believes utilization of the SAE fast charger standard will harmonize this effort going forward. Ford therefore strongly suggests that any charging infrastructure planning include requirements for all fast charging installations to include capability to utilize the combined charging system at the onset given the near term availability of the systems in the marketplace.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeanette Clute".

Jeanette Clute
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