

# **First Quarterly Progress Report to California Public Utilities Commission Electric Vehicle Charging Station Project**

*For the period December 5, 2012 through March 5, 2013  
Submitted April 4, 2013 by NRG Energy*

## **EXECUTIVE SUMMARY**

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During the first quarter of the EV Charging Station Project, NRG Energy (NRG) focused on establishing the necessary partnerships to execute the project. NRG selected contractors and equipment providers in most categories of the project for an initial period of development. Selection involved extensive public requests for proposals (RFP) that met the requirements set forth in the description of the EV Charging Station Project and reviewed by third-parties familiar to the California Public Utilities Commission (Commission). NRG also began to build its personnel and office support to execute the project.

During the reporting period, NRG Energy conducted extensive outreach to stakeholders throughout the state. NRG staff participated in workshops and sought planning input from the California Energy Commission, the Plug-in Electric Vehicle Collaborative, the Bay Area Air Quality Management District, the South Coast Air Quality Management District, multiple utilities, the Governor's office, the Legislature, community colleges, the National Renewable Energy Laboratory, DOE Clean Cities coalitions, Southern California Association of Public Power Agencies (SCAPPA), multiple automakers, multiple EV Service Providers and EVSE manufacturers, Plug In America, Bay Area LEAFs, Golden Gate LEAFs and numerous other parties.

## **INSTALLATION OF PUBLIC EV CHARGING STATIONS (FREEDOM STATIONS)**

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Activity included selection of charging equipment and installers, public outreach, and solicitation of property hosts for charging stations. All RFPs included preferences and targets as required under General Order (G.O.) 156, and selected prime contractors are obligated to meet the requirements of G.O. 156. Greenlining Institute participated in reviewing NRG's first installation services RFP that established the format and requirements for all subsequent RFPs.

On August 21, 2012 NRG issued an RFP for the acquisition of at least 20 DC charging stations. NRG distributed the RFP directly to 16 firms, associations, and publications. 10 firms responded to the RFP, resulting in the selection of the Nissan DC Quick Charger (N2010DS47C) from AeroVironment, Inc.

On July 5, 2012, NRG issued an RFP for installation services for at least 40 Freedom Station installations. NRG distributed the RFP directly to 22 firms, associations, and publications. Seven firms responded to the RFP resulting in the selection of Cupertino Electric Incorporated and Solarrus as prime contractors for design, construction and permitting.

On August 28, 2012 NRG issued an (RFP for credit card swipe payment systems. NRG distributed the RFP directly to five firms, associations, and publications. One firm responded to the RFP, resulting in the selection of the DPS Payment Card Express Secure Card Reader (SCR) 200.

On August 30, 2012 NRG issued an RFP for at least 20 level 2 charging stations. NRG distributed the RFP directly to 26 firms, associations, and publications. Nine firms responded to the RFP, resulting in the selection of the Coulomb CT2100 EVSE.

#### **INSTALLATION OF MAKE READY STUBS AND MAKE READY ARRAYS**

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Activity included selection of charging installers, public outreach, program design and solicitation of property hosts for charging stations.

On September 28, 2012, NRG issued an RFP for installation services for at least 100 Make Ready Array/Make Ready Stub installations. NRG distributed the RFP directly to 20 firms, associations, and publications. Eight firms responded to the RFP resulting in the selection of Clean Fuel Connection Incorporated and ABM Electrical Power Solutions as prime contractors for design, construction and permitting.

#### **DEMONSTRATION PROGRAMS**

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##### **Technology Demonstration Program**

NRG developed partners to prepare a first proposal for technology demonstration related to battery-backed DC charging. The next step to conduct the demonstration is submission to the CPUC of a proposal with goals, partners, and programs described for CPUC approval. This is anticipated in the period covered by the second quarter of the Technology Demonstration Program (TDP). No TDP proposals were submitted or approved during this period.

##### **EV Opportunity Program**

Similarly, NRG developed partners to prepare a first proposal for opportunity programs related to car sharing for low income communities. The next step to conduct the demonstration is submission to the CPUC of a proposal with goals, partners, and programs described for CPUC approval. This is anticipated during the period covered by the second or third quarter of the EV Opportunity Program (EVOP). No EVOP proposals were submitted or approved during this period.