

**Settlement Year 2 – First Quarter  
Progress Report to California Public Utilities Commission  
Electric Vehicle Charging Station Project**

**PUBLIC, NON-CONFIDENTIAL VERSION**

*For the period December 6, 2013 through March 5, 2014 (the Reporting Period)  
Submitted April 4, 2014 by NRG EV Services LLC on behalf of the Dynege Parties<sup>1</sup>*

**EXECUTIVE SUMMARY**

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As of March 5, 2014 (the Reporting Date), NRG EV Services LLC (NRG) had a total of 44 Freedom Station sites either constructed or under development. The funnel of prospect sites has grown substantially and now exceeds 200 potential sites with existing signed property hosts. During the Reporting Period, NRG completed construction on 5 additional Freedom Station installations, for a total of 15 completed installations. 20% of the 44 sites in the construction pipeline are located in qualified low-income areas (PUMAs), 3 per active territory.

NRG also added 13 Make-Readies Sites representing 146 Make-Ready Stubs, for a total of 54 Make-Readies Sites under contract and 404 Make-Ready Stubs, of which 82 are operational. Through master agreements with Kaiser Permanente and a marketing agreement with the Community College League of California, NRG has the opportunity to excel in the public interest worksite category, but deployment is challenged by the inability of most facilities to accept a dedicated charging model. NRG initiated new outreach to income-restricted multi-family communities and is learning more regarding the needs and opportunities in that sector.

The CPUC approved a technology demonstration project for micro-grid technologies that may reduce the cost of Freedom Stations. That project is now kicking off. The site rights are being finalized and system design is being reviewed.

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

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As of the Reporting Date, a total of 44 Freedom Station sites were either completed, under construction, or in the permitting process. Signed property hosts represented over 200 potential properties. Nine of the 44 properties, three in each of the San Francisco Bay Area, the Los Angeles Basin, and San Diego County, are located in low-income PUMAs. They represent 20% of the construction pipeline, meeting the goal of 20% in this category.

*Installations*

During the Reporting Period, NRG completed construction on 5 additional Freedom Stations, for a total of 15 Freedom Stations installed.

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<sup>1</sup> Capitalized terms not otherwise defined herein shall have the meaning ascribed to such terms in the Long-Term Contract Settlement Agreement (the “Agreement”).

<b>Completed Freedom Stations</b>		<b>City</b>
<i>SF Bay Area</i>		
1	Westlake Shopping Center	Daly City
2	Whole Foods Fremont	Fremont
3	Whole Foods San Francisco	San Francisco
4	Vacaville Premium Outlets	Vacaville
5	Livermore Premium Outlets	Livermore
6	Walgreens San Francisco	San Francisco
7	Public Market	Emeryville
8	The Mall at Northgate	San Rafael
9	Whole Foods Novato	Novato
<i>San Diego County</i>		
10	Fashion Valley Mall	San Diego
11	Las Americas Premium Outlets	San Diego
12	Flower Hill Promenade	Del Mar
13	Carlsbad Premium Outlets	Carlsbad
14	Broadway Plaza	Chula Vista
<i>LA Basin</i>		
15	Camarillo Premium Outlets	Camarillo

### *Site Development*

As of the Reporting Date, 11 additional Freedom Station sites were under construction, 6 more were fully permitted and another 12 sites had been submitted for permitting. The property owners of the Freedom Stations on the list above and others recently signed have a portfolio of over 200 potential properties, enough to fulfill NRG's entire commitment for Freedom Station sites.

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

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#### *Status of Make-Readies Sites*

Overall, NRG has 54 Make-Readies Sites under contract, representing 404 Make-Ready Stubs. Of these, 82 Make-Ready Stubs have been installed at 8 sites, as set forth in confidential Appendix A.

Pursuant to Section 4(b)(vi)(B) of the Agreement, NRG has established a website which identifies each installed Make-Ready Array's location and Start-Up Period expiration date. See <http://www.nrgvgo.com/california-rev-progress/>.

NRG has conducted a total of 376 site assessments. Of these sites, 240 are Multi-Family Housing Sites and 109 are Workplace Sites, and they would equate to approximately 2,400 Make-Ready Stubs.

### *Mixed-Income Multi-Family Housing Sites*

NRG began a direct outreach strategy for affordable housing communities. Staff contacted nine multi-family developments in the Bay Area and Los Angeles that have affordable housing units or serve a mixed-income population. Initial feedback from those owners was not enthusiastic for retrofit make-readies, more acute than the larger market-rate segment. Even fully subsidized infrastructure was not attractive. The explanations offered include: their tenants not being in the market for electric cars or new cars generally; tenant preferences for other types of capital improvements, such as better security, heating/cooling and general maintenance and repairs; and inability of owners to realize increased rent from property improvements in rent-stabilized areas.

A key finding, however, was the suggestion to reach out to buildings currently being developed or in construction, which may have different incentive structures. Given the small sample size of this outreach, it is not possible to draw any conclusions yet. NRG staff will continue to reach out to this segment and report results throughout the year.

## **DEMONSTRATION PROGRAMS**

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### **Technology Demonstration Program**

As reported in the Annual Report, on February 11, 2014, the CPUC approved the Technology Demonstration Project proposal originally submitted on July 3, 2013.

The objective of the project is to demonstrate how micro-grid components (including power storage, conversion, generation, and dispensing) can reduce the cost of developing, constructing, and operating DC Fast Chargers when deployed as modules that are custom combined with the chargers to meet the needs and characteristics of individual properties. Upon successful economic and operational demonstration, NRG intends to commercialize these technologies and integrate them into its broader Freedom Station rollout. Ultimately, NRG believes that this project will enable faster deployment of DC Fast Chargers by both NRG and third parties at a wider variety of locations, and for a lower total cost of ownership to property owners and electric vehicle service providers alike.

NRG is finalizing arrangements with the host site.

## **USAGE DATA**

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See confidential [Appendix B](#) for the original raw usage data for the Reporting Period.

## Appendix A

### **Make-Readies Detail**

**See attached [CONFIDENTIAL].**

*The following information is confidential and protected material and may only be provided to those parties and their Eligible Reviewers that have executed a protective order in the FERC proceeding approving the Agreement and the settlement of the EL02-60/62 Proceeding. NRG retains an exclusive, non-public, proprietary right to such information for eighteen (18) months after the date of submittal to the CPUC, and during such time such information shall not to the extent permitted by law be subject to disclosure under FOIA or CAPRA.*

**Material Redacted in Public, Non-Confidential Version**

## **Appendix B**

### **Raw Usage Data**

**See attached [CONFIDENTIAL].**

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