

**Settlement Year 3 – First Quarter**  
**Progress Report to California Public Utilities Commission**  
**Electric Vehicle Charging Station Project**

**PUBLIC, NON-CONFIDENTIAL VERSION**

*For the period December 6, 2014 through March 5, 2015 (the Reporting Period)  
Submitted April 3, 2015 by NRG EV Services LLC on behalf of the Dynegy Parties<sup>1</sup>*

**EXECUTIVE SUMMARY**

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As of March 5, 2015 (the Reporting Date), NRG EV Services LLC (NRG) had a total of 111 Freedom Station sites either constructed or under development. During the Reporting Period, NRG completed construction on 12 additional Freedom Station installations, for a total of 68 completed sites.

NRG endeavored to make these results available to CPUC in real-time for the second annual report. As a result most of the figures in this report repeat what has already been submitted.

The upgrades to the Freedom Stations to support the SAE Combo Charging Standard (CCS) and credit card swipes accelerated in the Reporting Period. As of the Reporting Date, 51 of the Freedom Stations sites now have an additional fast charger that supports CCS and we anticipate all stations will have a charger that supports CCS by the end of April. Additionally, 37 of the 68 Freedom Stations sites now include credit card swipes and we expect to have all stations with credit card swipe capability by the end of May.

14 out of the 68 Freedom Station sites are located in qualified low-income areas (PUMAs), achieving the 20% commitment.

Utilization of the charging infrastructure continue to increase during the Reporting Period, with energy dispensed in the Reporting Period increasing by 13%.

NRG also added 23 contracted Make-Readies Sites representing 150 Make-Ready Stubs, for a total of 1,202 Make-Ready Stubs under contract at 155 Make-Readies Sites. Installations proceeded rapidly in the Reporting Period, with the cumulative total increasing by more than 45% to 112 Make-Readies Sites and 855 Make-Ready Stubs.

The Technology Demonstration process is proceeding with construction.

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

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As of the Reporting Date, a total of 111 Freedom Station sites were either completed, under construction, or in the permitting process.

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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”).

The table below summarizes Freedom Station progress throughout the term of the Agreement:

<i>DC Fast Charging Station Progress</i>	2013			2014				2015
	Q1/ Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Sites with Permits Submitted		6	22	12	2	22	17	13
Sites with Permits Approved		6	3	6	2	8	17	15
Sites under Construction		2	5	11	9	6	16	15
Sites Completed	0	1	10	15	36	46	56	68
Completed Sites w/ SAE Combo*						3	23	51
Completed Sites w/ working credit card readers**							3	37
Completed sites with credit card readers and SAE combo							2	31
Cumulative Settlement Target			40				100	

\* Scheduled to have all retrofits complete by end of April 2015.

\*\* Installation of credit card swipe will be complete by end of May 2015.

### *Installations*

During the Reporting Period, NRG completed construction on 12 additional Freedom Stations, for a total of 68 Freedom Stations. Completed Freedom Stations are listed in Appendix A, with new stations **in bold**.

### *Site Development*

As of the Reporting Date, 15 additional Freedom Station sites were under construction, 15 more were fully permitted and another 13 sites had been submitted for permitting.

### *Low-Income PUMA Distribution*

Fourteen of the 68 Freedom Stations are located in low-income PUMAs: 6 in the San Francisco Bay Area, 5 in the Los Angeles Basin, 3 in San Diego County. They represent 20.6% of all operational sites, achieving the goal of 20% in this category.

### *SAE Combo Rollout Status*

NRG accelerated the process of upgrading its Freedom Stations to support the SAE combo standard (CCS), as required by the Agreement. During the Reporting Period, 29 ABB dual hose chargers – which can support both CHAdeMO and CCS – were installed into existing or new Freedom Station sites, resulting in 51 total CCS chargers available to the public out of the 68 Freedom Stations.

### *Credit Card Payment Upgrades Rollout Status*

Installation of the credit card payment systems have also accelerated, with 37 of the 68 Freedom Stations now able to accept credit card swipe.

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

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### *Status of Make-Readies Sites*

Overall, NRG has 155 Make-Readies Sites under contract, representing 1,202 Make-Ready Stubs. Of these, 855 Make-Ready Stubs have been installed at 112 sites, as set forth in confidential Appendix A.<sup>2</sup> This represents an increase in one quarter of over 45% of the total number of installed Sites and Stubs.

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 625 site assessments. Of these sites, 338 are Multi-Family Housing Sites, 202 are Workplace Sites and 85 are Public Interest sites, and they would equate to approximately 4,100 Make-Ready Stubs.

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

In addition to the two previously discussed San Diego based community housing providers who currently reviewing the make-ready installation contract, NRG reached out to a third property owner during the Reporting Period; NRG has conducted site walks to design a solution for the portfolio and remains in discussion regarding terms. Together these providers represent nearly 200 properties in California.

## **DEMONSTRATION PROGRAMS**

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### **Technology Demonstration Program**

The objective of the first Technology Demonstration 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.

During the Reporting Period, NRG has accomplished the following:

- Finalized our site License Agreement with UCSD. The agreement was fully executed on January 7, 2015.

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<sup>2</sup> The number of Make-Ready Stubs installed as of March 5, 2015 was erroneously reported as 773 in the second Settlement Year report.

- Site Design – Construction is now in progress.
- Dispenser technology – Prototype of the dispenser technology is complete.

On April 1, 2015, NRG submitted a request to the CPUC for its approval of a second Technology Demonstration Project which will deploy “extreme” high power charging equipment (approximately 100kW and greater) in an effort to advance the state of the charging industry by bringing together partners, demonstrating new technologies, and deploying new technologies in the field for drivers to test and utilize. The proposed budget is \$2,100,000.

### **EV OPPORTUNITY PROJECTS**

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An EV Opportunity project was submitted to CPUC for approval on April 1, 2015 for an EV transportation program for neighborhood health clinics. The proposed budget is \$2,060,000. Additional projects are pending. The projects are expected to leverage program offerings from Air Resources Board for car sharing and school bus demonstrations.

### **USAGE DATA**

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NRG eVgo completed 39,855 charging sessions in the fourth quarter at Freedom Station sites and dispensed nearly 448,000 kilowatt-hours of electricity, a 13% increase over the previous quarter.

This translates to approximately 1,344,000 miles driven on electricity in this quarter alone, displacing nearly 45,000 gallons of gasoline (assuming 30 mpg).

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

**Appendix A**

**Freedom Station Table**

See attached.

**APPENDIX A**  
**Dated as of: March 5, 2015**

<u>Name</u>	<u>Street Address</u>	<u>City</u>	<u>Completion Date</u>	<u>PUMA</u>	<u>SAE Combo</u>	<u>CC Reader</u>
<b>SF Bay Area</b>						
1 Westlake Shopping Center	75 Southgate Ave.	Daly City	6/24/2013			
2 Whole Foods Fremont	3111 Mowry Ave.	Fremont	9/25/2013		x	x
3 Whole Foods SF	2001 Market Street	San Francisco	11/7/2013			x
4 Vacaville Premium Outlets	321 Nut Tree Road	Vacaville	11/20/2013		x	x
5 Livermore Premium Outlets	2774 Paragon Outlets Drive	Livermore	1/6/2014		x	x
6 Walgreens SF	1175 Columbus	San Francisco	2/26/2014		x	x
7 Public Market	5959 Shellmound St.	Emeryville	12/23/2013	x	x	x
8 The Mall at Northgate	2150 Northgate Dr.	San Rafael	12/18/2013		x	x
9 The Village at Corte Madera	1618 Redwood Hwy	Corte Madera	3/18/2014	x		
10 Whole Foods Cupertino	20955 Stevens Creek Blvd	Cupertino	4/22/2014		x	
11 Whole Foods Novato	790 De Long Ave	Novato	2/24/2014			
12 Whole Foods Telegraph Ave	3000 Telegraph Ave	Berkeley	4/2/2014			
13 Whole Foods Berkeley	1025 Gilman	Berkeley	11/5/2014		x	x
14 Whole Foods San Jose	777 The Alameda	San Jose	11/20/2014	x	x	x
15 Linda Mar	1227 Linda Mar Shopping Center	Pacifica	8/28/2014		x	
16 Whole Foods Lafayette	3502 Mt. Diablo Blvd	Lafayette	12/4/2014		x	x
17 Whole Foods Los Altos	4800 El Camino Real	Los Altos	6/5/2014			
18 Rose Pavilion	3903 Santa Rita Rd.	Pleasanton	11/6/2014		x	
19 Great Mall	447 Great Mall Dr	Milpitas	5/27/2014		x	x
20 Whole Foods Santa Rosa	733 Coddington Center	Santa Rosa	8/29/2014	x	x	x
21 Petaluma Outlets	2200 Petaluma Blvd North	Petaluma	8/11/2014	x	x	x
22 Nob Hill Foods Mountain View	1250 Grant Rd	Mountain View	7/24/2014		x	x
23 Crossroads	2316 Monument Blvd	Pleasant Hill	5/15/2014			
24 Santa Rosa Plaza	1071 Santa Rosa Plaza	Santa Rosa	11/7/2014	x	x	
25 <b>Napa Outlets</b>	<b>629 Factory Stores Drive</b>	<b>Napa</b>	<b>1/23/2015</b>		<b>x</b>	
			<b>25</b>	<b>6</b>	<b>18</b>	<b>14</b>
<b>San Diego</b>						
1 Fashion Valley	7007 Friars Road	San Diego	9/18/2013		x	x
2 Las Americas Premium Outlets	4211 Camino De La Plaza	San Diego	10/29/2013	x		x
3 Flower Hill Promenade	2600 Via De La Valle	Del Mar	12/20/2014			
4 Carlsbad Premium Outlets	5620 Paseo Del Norte	Carlsbad	12/6/2013		x	
5 Broadway Plaza	1166 Broadway	Chula Vista	1/6/2014	x		x
6 SDG&E Innovation Center	4750 EV Clairemont Mesa Blvd	San Diego	3/9/2014			
7 Rancho Penasquitos	13255 Black Mountain Rd	San Diego	3/31/2014		x	
8 Del Norte Plaza	330 West El Norte Plaza	Escondido	3/9/2014	x	x	
9 <b>Fenton Marketplace</b>	<b>2482 Friars Rd</b>	<b>San Diego</b>	<b>1/27/2015</b>		<b>x</b>	
10 <b>San Diego Tech Center</b>	<b>9605 Scranton Rd</b>	<b>San Diego</b>	<b>2/25/2015</b>		<b>x</b>	
			<b>10</b>	<b>3</b>	<b>6</b>	<b>3</b>
<b>LA Basin</b>						
1 Camarillo Premium Outlets	900 1/2 Camarillo Center Dr.	Camarillo	11/11/2013			
2 Walgreens Tarzana	5353 Mecca Ave.	Tarzana	3/24/2014			x
3 Outlets at Orange	20 City Blvd W	Orange	4/21/2014		x	x
4 Westminster Mall	1025 Westminster Mall	Westminster	5/30/2014		x	x
5 Brea Mall	200 Brea Mall	Brea	5/2/2014		x	
6 Los Cerritos Center	200 Los Cerritos Mall	Cerritos	6/4/2014		x	
7 Stonewood Center	306 Stonewood Street	Downey	3/28/2014		x	x
8 Larwin Square	654 East 1st Street	Tustin	3/31/2014		x	x
9 Walgreens Huntington Beach	19501 Beach Boulevard	Huntington Beach	8/14/2014		x	x

**APPENDIX A**  
**Dated as of: March 5, 2015**

<u>Name</u>	<u>Street Address</u>	<u>City</u>	<u>Completion Date</u>	<u>PUMA</u>	<u>SAE Combo</u>	<u>CC Reader</u>
10 Corona Hills Plaza	360 McKinley Street	Corona	9/2/2014			
11 Hines Warner Center	5700 Canoga Ave	Woodland Hills	3/28/2014		x	x
12 Cabazon Outlets	48400 Seminole Drive	Cabazon	4/23/2014	x		
13 Country Fair SC	12013 Central Avenue	Chino	5/20/2014		x	
14 Inland Center	500 Inland Center Drive	San Bernardino	6/2/2014	x	x	
15 Oaks Mall	350 W Hillcrest Drive	Thousand Oaks	4/30/2014		x	x
16 Pacific View Mall	3301-1 East Main Street	Ventura	4/23/2014			x
17 Pavilions Place	1600 Beach Blvd	Westminster	9/19/2014		x	
18 Bristol Plaza	3361 South Bristol St	Santa Ana	11/20/2014		x	x
19 Shops at Mission Viejo	555 Shops At Mission Viejo	Mission Viejo	5/16/2014		x	x
20 City of Hermosa Beach Parking	1334 Hermosa Avenue	Hermosa Beach	7/23/2014		x	x
21 Dunlap - Huntington Harbor	16821 Algonquin St	Huntington Beach	9/2/2014			x
22 8000 Sunset Strip	8000 Sunset Strip	Los Angeles	10/27/2014		x	x
23 Tarragona	1000 N. Western Avenue	San Pedro	11/19/2014		x	x
24 Morongo Casino	49500 Seminole Drive	Cabazon	3/4/2015	x	x	
25 Plaza Rio Vista	67800 Vista Chino	Cathedral City	3/5/2015	x	x	
26 Savi Ranch- Yorba Linda	23030 1/2 Eastpark Dr	Yorba Linda	12/30/2014		x	
27 F&E Manhattan Beach	700-C Rosecrans Ave	Manhattan Beach	1/13/2015		x	x
28 Ontario Mills	1 Mills Circle	Ontario	3/4/2015		x	x
29 F&E Long Beach	3300 Atlantic Avenue	Long Beach	1/28/2015		x	x
30 F&E Norwalk	10930 Rosecrans Ave	Norwalk	2/25/2015		x	
31 F&E Signal Hill	2475 Cherry Ave	Signal Hill	1/28/2015	x	x	x
			<b>31</b>	<b>5</b>	<b>25</b>	<b>19</b>
<b><u>San Joaquin Valley</u></b>						
1 Applegate Ranch	1000 Commerce Avenue	Atwater	9/30/2014		x	
2 West Valley Mall	3200 N Naglee Road	Tracy	2/6/2015		x	x
			<b>2</b>	<b>0</b>	<b>2</b>	<b>1</b>
<b>Totals</b>			<b>68</b>	<b>14</b>	<b>51</b>	<b>37</b>

## **Appendix B**

### **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 C

### Raw Usage Data

**See attached [CONFIDENTIAL].**

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