



## TESLA Supercharger Station

Public Utilities Department

CITY COUNCIL  
September 26, 2017

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1

## Mission Square Tesla Supercharging Station



2

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## Background

**Utility 2.0 calls for implementing new technologies such as Electric Vehicle charging stations.**

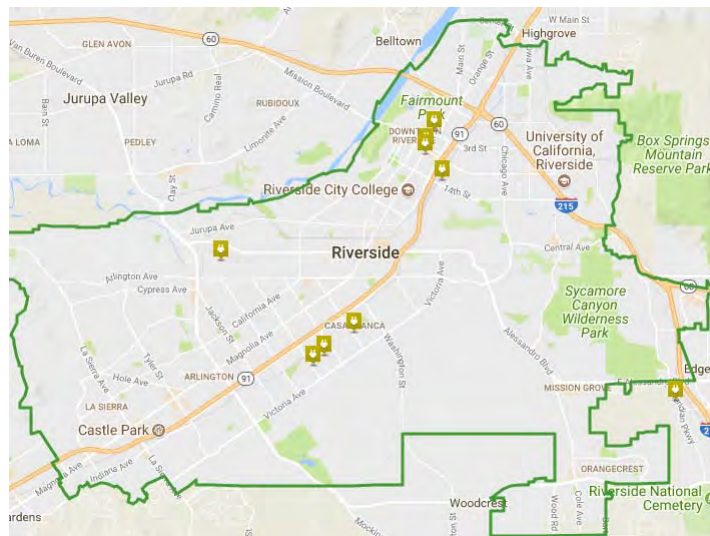
1. City of Riverside already has 11 public charging stations
2. There is currently one Level 3 fast charging station at City Hall
3. By 2022 – there is an expectation of 5,600 - 9,900 EV's in the City of Riverside

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3

## Current Riverside EV Stations



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4

## Tesla Supercharger Background

1. RPU met with Tesla in April 2017 to discuss the installation of Tesla Superchargers at Mission Square
2. May – June 2017 – RPU Staff conferred with Tesla to determine project scope
3. RPU and Tesla identified Mission Square parking garage as optimum location for the Tesla Supercharging Station

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5

## Tesla Supercharging Network

SUPERCHARGER NETWORK | NORTH AMERICA



2013

2015

2016

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6

## EV Charger Benefits

The Tesla Supercharger Project benefits RPU and the City of Riverside by:

1. Increasing Electric Vehicle Supply Equipment (EVSE) availability
2. Implementing strategic technology within Utility 2.0
3. Economic opportunity
4. Enhancing Mission Square Asset
5. Load growth

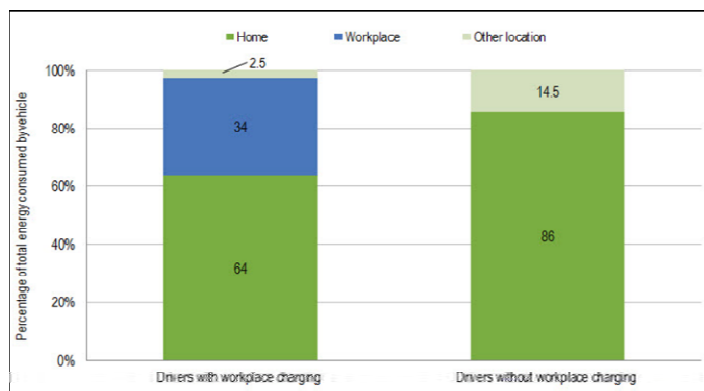


7

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## Workplace Charging

When available, 34% of EV owners charge while at work:



E-Source; data from Idaho National Laboratory



8

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## Project Benefits

### Utility 2.0 Benefit –

1. Strategic Technology Plan – EV infrastructure improvement
2. Supports Proposed EV Master Plan
3. Increase in customer engagement and satisfaction
4. Meeting future customer needs



9

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## Project Benefits

### Load Growth and Economic –

1. 700 kW at full build-out
2. Nearly \$200,000 in revenue over 5 years
3. City of Riverside attracts a Supercharger Station for \$0
4. Economic boost for Downtown Riverside
  - a. Tesla customers can shop/dine during charging session



10

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## Community and EV Owners Support



"I will go out of my way to support businesses hosting charging stations." | Mark, Model S Owner

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11

## Project Benefits

**Riverside Destinations to be listed on the Tesla Digital Platform:**

1. Historic Mission Inn
2. Fox Performing Arts Center
3. Riverside Public Utilities
4. Riverside Convention Center



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12

## Joint Marketing via Tesla Digital Platform



Connects Owners to Your Business  
 Your Business Listed on Tesla.com  
 Email Announcement Upon Opening  
 Listed in Trip Planner Destinations

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13

## Project Benefits

### Sustainability –

1. The California Zero Emissions Vehicle (ZEV) Action Plan set a goal of reaching 1.5 million zero emission vehicles on California's roadways by 2025
2. This project supports the City's Economic Prosperity Action Plan and Climate Action Plan by encouraging alternative fuel vehicles
3. Satisfies Goal 15 of Riverside Green Action Plan by reducing mobile sources of pollution

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14

## Project Benefits

### Donated Chargers –

1. Tesla has agreed to donate three (3) level 2 Tesla chargers to RPU for use in the Mission Square parking garage
2. Chargers may be installed to serve current Tesla owners in the building as an enhancement to their parking agreement
3. The enhanced parking agreement would cover cost of installing the charger, energy usage and maintenance

## Benefits of Supercharger Station



Increased Traffic  
 More High Worth Customers  
 Brand Association  
 Environmental Benefits  
 Potential Host Site for Tesla Events



## EV Adoption and Infrastructure Discussion

*RPU continues to support EV adoption and infrastructure improvements*

1. Upcoming RFP to solicit bids to install additional EV charger infrastructure at Mission Square for public and employee use
2. Creation of incentive program to offer rebates for EV charger installation at residential homes and commercial business

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17

## Tesla Projected Growth

EXPANSION	2013	2014	2015	2016 (PROJECTED)
TESLAS ON THE ROAD	5,161	35,000	90,000	180,000
SUPERCHARGING STATIONS (N. AMERICA)	52	154	267	400
CHARGING SESSIONS (N. AMERICA)	60,953	300,593	900,000	1,500,000

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## Project Agreement Terms

1. **Term:** Five-year term to commence upon full execution by both Tesla Motors, Inc. and RPU upon City Council approval.
2. **Premises:** Approximately 28 parking stalls will be utilized on the 3rd floor Mission Square parking garage deck for installation of twelve superchargers and required equipment at 3750 University Avenue.
3. **Maintenance:** Tesla Motors, Inc. will be responsible for maintenance costs of superchargers, charging infrastructure and parking stalls for the duration of the Lease and in the two (2) five-year options to extend, if exercised by Tesla and the City of Riverside.

## Project Agreement Terms (Cont.)

4. **Option to Extend:** Tesla Motors, Inc. shall have two options to extend the agreement for two (2) additional five-year terms provided Tesla Motors, Inc. is not in default of the agreement.
5. **Infrastructure Improvements:** Tesla Motors, Inc. accepts the Premises in an "as-is" condition. Tesla Motors, Inc. will be responsible for installing any infrastructure improvements it deems necessary for installation and operation of the superchargers at Tesla Motors, Inc. sole cost and expense.
6. **Electric Utility Service:** Tesla Motors, Inc. will be the customer of record for the electric service required for the Superchargers and be responsible for paying the electric service costs, infrastructure and billing.

## Recommendations

### That the City Council:

1. Approve the Supercharger Agreement with Tesla Motors, Inc., for a five-year term with an option for two (2) five-year extensions, located at the Mission Square parking garage, 3750 University Avenue; and
2. Authorize the City Manager, or his designee, to execute the Supercharger Agreement with Tesla Motors, Inc, including the optional two five-year extensions, making minor, non-substantive changes, and to sign all documents and instruments necessary to complete the transaction.