



## STAFF REPORT

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**DATE:** May 24, 2021  
**TO:** Sacramento Regional Transit Board of Directors  
**FROM:** Brent Bernegger, VP, Finance/CFO  
**SUBJ:** PUBLIC PRIVATE PARTNERSHIP: ELECTRIC VEHICLE CHARGING INFRASTRUCTURE AT THE POWER INN LIGHT RAIL STATION

### RECOMMENDATION

No Recommendation — For Information Only.

### RESULT OF RECOMMENDED ACTION

None at this time.

### FISCAL IMPACT

None as a result of this action.

### DISCUSSION

The Sacramento Regional Transit District (SacRT), the Sacramento Municipal Utility District (SMUD), and GiddyUp EV, Inc., a subsidiary of American Growth and Infrastructure, Inc (AGI), have teamed up to create a plan to provide high-speed electric vehicle chargers at the Power Inn Light Rail station.

This public-private partnership would deliver a state of the art charging solution for Sacramento's emerging electric vehicle market, meet the region and state's sustainable goals, and provide a revenue sharing model for SacRT. It is an opportunity for SacRT to begin development of Mobility Hubs (places that bring together multiple transportation modes for seamless transportation options) at light rail stations to add amenities and mobility options for transit users and transit-oriented development. A private company, with financial support from AGI, would purchase and install the fastest DCFC/Level 3 chargers in the industry, which will have the ability to recharge light and medium vehicles simultaneously in minutes compared to hours-longer than a normal plug-in charger.

In February 2021, a workgroup led by California State Treasurer Fiona Ma and California Environmental Protection Agency Secretary Jared Blumenfeld identified that SacRT's transit stations would be advantageous sites to install high-speed charging. With private funding from AGI and guidance from SMUD Director Heidi Sanborn, SMUD Chief Executive Officer & General Manager Paul Lau and SacRT General/CEO Henry Li, SacRT and SMUD staff coordinated to develop a proposed project that would help advance clean vehicle adoption, help assist in SacRT's future electrification requirements,

encourage productive use of underused light rail parking, and help incentivize transit ridership.

By looking at electrification requirements, appropriate site use, and a use-case study, the workgroup recommended the use of the Power Inn station due to its proximity to mixed-use retail and housing, US-50 freeway, and critical location to both industrial and commercial complexes. The proposed new charging station hub would be fully networked and integrated and would use 55 underutilized parking spots out of 299 in the light rail station parking lot. The first phase would include 10 high-speed charging stations that can accommodate up to 20 vehicles, installation of solar canopies, Wi-Fi, and future battery storage for public/private use. Partnership negotiations are also underway for future connectivity to first and last mile solutions such as electric scooters and bikes.

To carry out the proposed project AGI, through its subsidiary GiddyUp EV, would enter into a license agreement with SacRT to pay for the market-cost of the parking lot spaces (currently being appraised) and buy, install, own, and maintain the charging equipment, while also providing a revenue sharing model with SacRT from the electric charging usage and other revenue generated from the site. The proposed five-year license agreement with GiddyUp EV is currently under negotiation and will require concurrence from the Federal Transit Administration. SacRT staff is currently preparing a Notice of Exemption for CEQA clearance and plans to bring the license agreement to the next SacRT Board meeting to request approval.

With power supplied by SMUD, this high-speed and integrated charging network would advance electric vehicle adoption in the region, help meet environmental and economic goals of the State, while providing added services to various mobility users. The new charging hub is anticipated to go live in October 2021, and may feature partnerships with local zero-emission vehicle fleets in addition to public use.

*Power Inn  
Light Rail Station  
Charging  
Transportation Hub*

**May 24, 2021  
Project Update**



**Regional  
Transit**



# Regional, State, & Federal Goals

**Forbes WHEELS**  
**California Governor Gavin Newsom Signs Executive Order Phasing Out Gasoline Vehicles By 2035**

By Alexia Maritz  
Published: 11/16/2020



**California Regulation Sets Course for Emission-Free Buses by 2040**

The rule, which requires the adoption of electric or hydrogen fueled buses, has received mixed reviews from transit operators.

By AMP DESPONT / OCTOBER 16, 2016



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**BYE, SOOT—**  
**California set to ban all heavy diesel trucks and vans by 2045**

Heavy-duty trucks are responsible for 70% of vehicle air pollution in the state.

# *Power Inn Charging Hub*

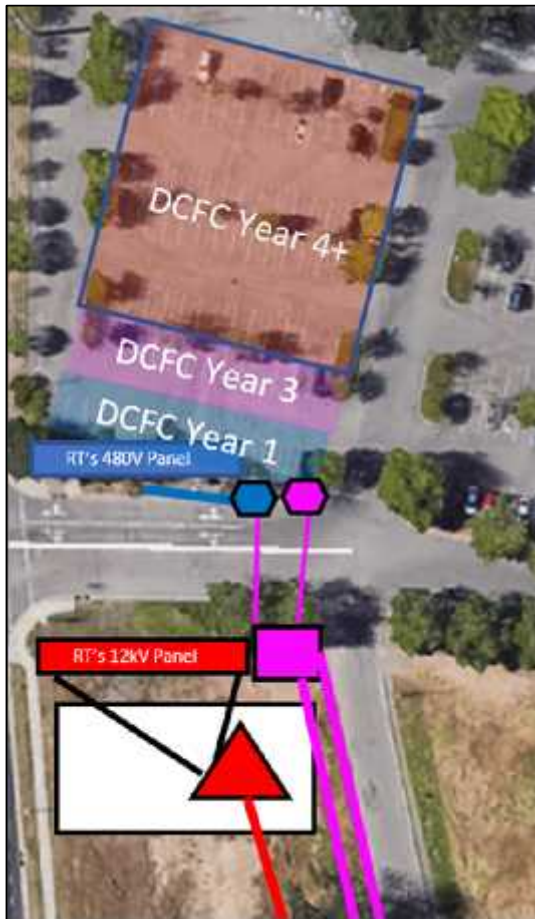
- ☐ ENERGY
- ☐ CHARGING
- ☐ INFRASTRUCTURE



## **Public Private Partnership (pilot project)**

- DC Fast Chargers
- Solar Canopies
- Battery Storage
- Fiber Optic Cables
- Future proof and ready for:
  - WiFi
  - Financial touchpoints
  - Fleet charging
  - First and last mile solutions

# Project Phasing



**Phase 1 / Year 1**  
**10 175kW DC Fast Chargers,**  
**150kW PV, Short 12kV Line Ext.,**  
**Electrical Backbone for all Phases**

**Phase 2 / Year 3**  
**Add 10 More 175kW DC Fast Chargers**  
**2MWh Battery, Add 12kV Line Ext.**

**Phase 3 and 4 / Year 4 to 6**  
**Add 60 more DCFC**  
**4MWh Battery, Full Substation Build**



# *Project Delivery and Approvals*

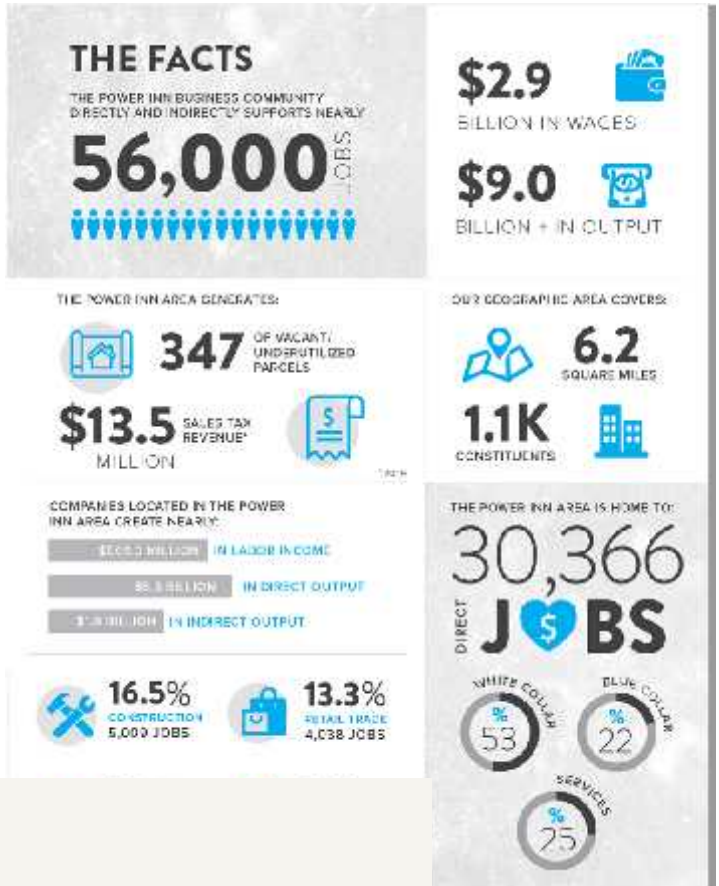
- FTA Concurrence
- License agreement by SacRT and AGI
- CEQA NOE by SacRT w/ guidance from Sacramento City
- Engineering by Sargent and Lundy
- Installation by E-Tech
- SMUD new service agreement
- Preferred Chargers by Siemens:



**SIEMENS**



# Community, Economic Development, and Local Engagement Opportunities





# Full Project Schedule Buildout and Critical Milestones

	April	May	Jun	Jul	Aug	Sep	Oct
<b>Engineer</b>	Initiate engineering	Sign off on drawings					Site Energized and goes live
<b>Procure</b>		Order Panels and charging stations			Receive panel and charging stations		
<b>Construct</b>				Civil construction begins	Electrical construction begins		
<b>Key Milestones</b>		SMUD initiates design review FTA approves project	Groundbreaking	SMUD releases commitment drawing	SMUD contract executed	SMUD completes To the Meter construction	

Current project schedule plans execution in **1/3 of the normal time**