



Accessible EV Mobility & Infrastructure For All

New Technology Reserve Grant Program Interviews

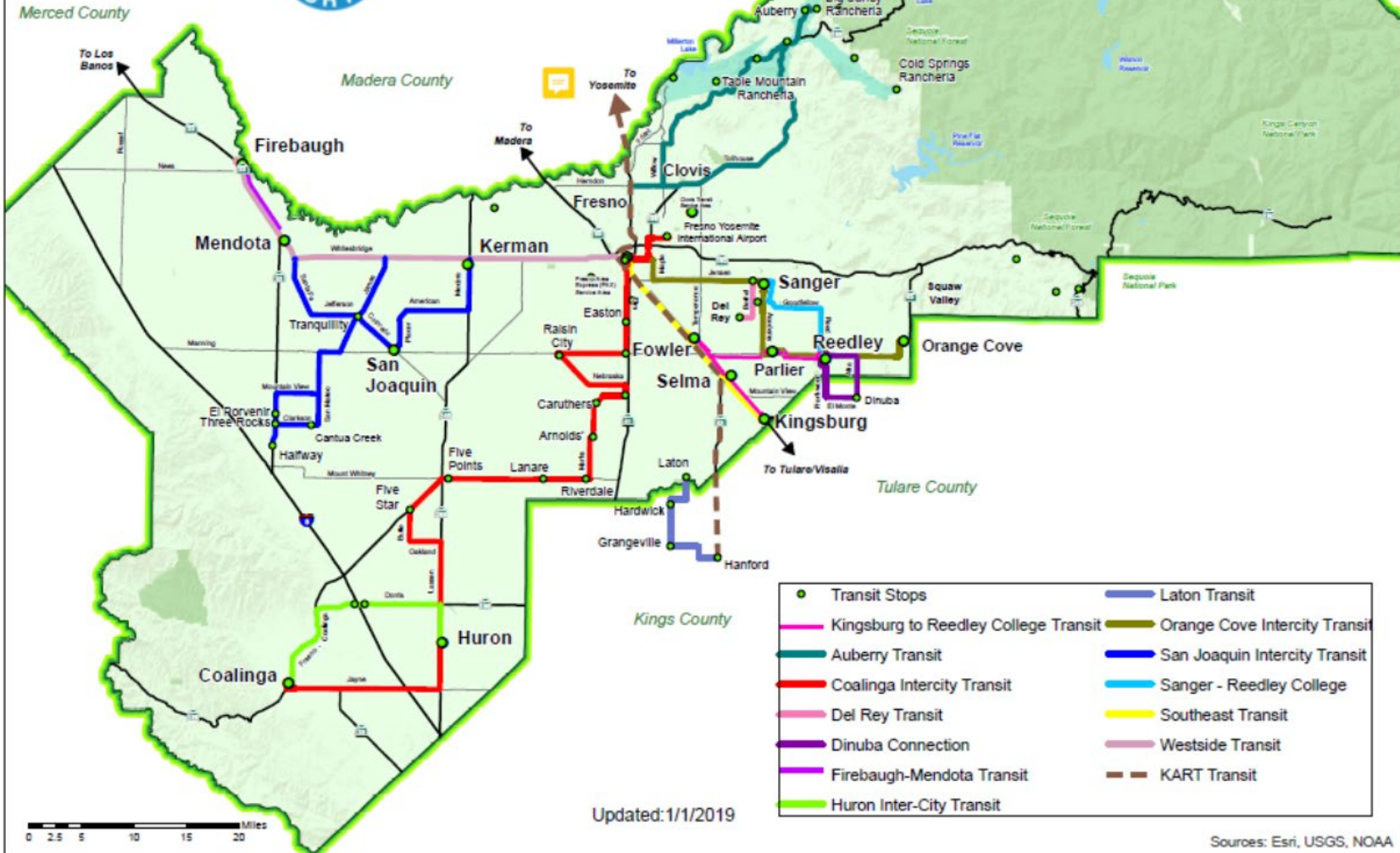
August 20, 2024

Kingsburg Resiliency Hub Project Phase 2
Fresno County Rural Transit Agency



Fresno County Rural Transit Agency

Services Map



- Transit Stops
- Laton Transit
- Kingsburg to Reedley College Transit
- Orange Cove Intercity Transit
- Auberry Transit
- San Joaquin Intercity Transit
- Coalinga Intercity Transit
- Sanger - Reedley College
- Del Rey Transit
- Southeast Transit
- Dinuba Connection
- Westside Transit
- Firebaugh-Mendota Transit
- KART Transit
- Huron Inter-City Transit

Updated: 1/1/2019

Sources: Esri, USGS, NOAA

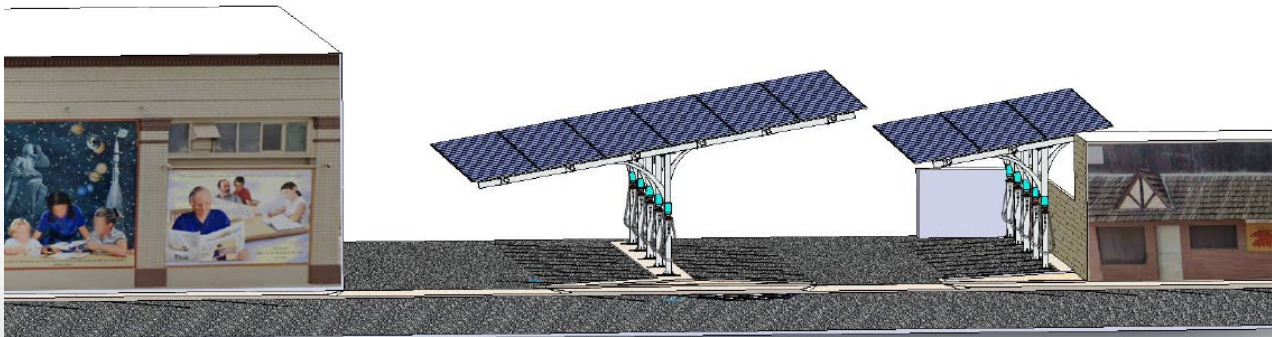
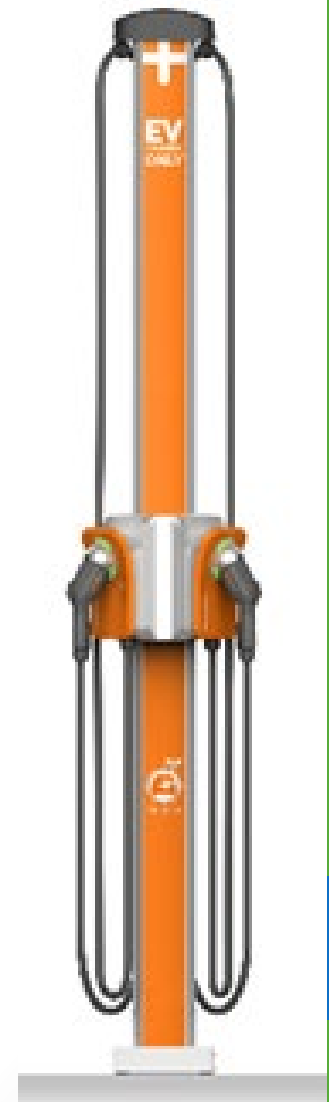
Kingsburg Resiliency Hub Project Phase 2

- Capital Requested for Project: parking lot site preparation work, (2) wireless chargers, and a battery energy storage system
- Funds requested for Phase 2: \$986,936.40
- FCRTA was previously awarded \$538,200 and a \$56,800 match for Phase 1 of this project which included solar carports and level 2 plug in chargers
- Total Project Cost: \$1,584,936.40
- Project Location: 1460 Smith Street, Kingsburg



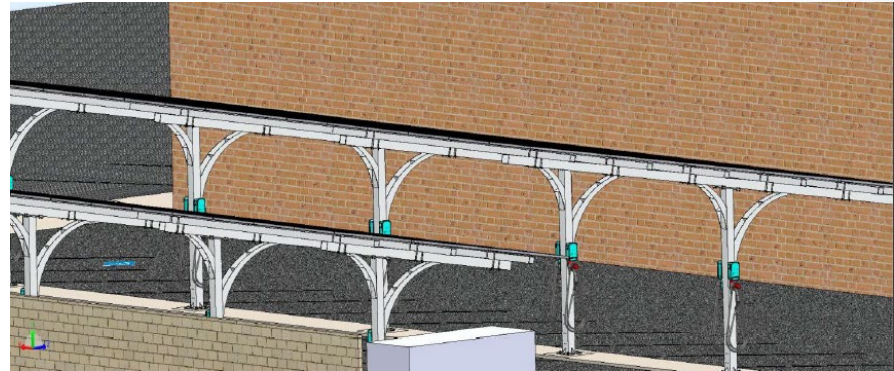
Resiliency Hub System Components

- Plug-in chargers
- Wireless chargers
- Battery storage
- Solar Carport



Resiliency Hub Project

- The resiliency hub consisting of a solar carport with Level II EV charging stations is a new technology & highly innovative approach to electric vehicle charging.
- FCRTA's proposed solar carport structure will power the charging stations located on-site.
- The Level II plug in charging stations can be open to the public.
- FCRTA will use the Level II EV chargers installed at the resiliency hub to charge its fleet of electric vehicles and to expand its EV Micro Transit service.
- The wireless chargers will be used to power FCRTA's ADA accessible electric vans.



Benefits of Resiliency Hub Project

- Supports ZEVs: the development of this infrastructure supports & promotes the use of zero emission vehicles.
- Reduces Emissions: The solar carport and EV charging system will help FCRTA to expand its on demand EV Micro Transit service and Rural Transit Dial-a-Ride service, which provide a low emission alternative to driving in a single occupancy vehicle (SOV) in Fresno County, reducing emissions.
- Promotes Resiliency: The resiliency hub will include an energy storage component, further reducing reliance on the electrical grid and providing backup power in the case of emergency to promote resiliency.
- Promotes Resiliency: The site has the potential for a future multi-modal resiliency hub. The energy generated by the solar infrastructure and battery storage could be used to power community amenities such as electric bike share and cell phone charging. The energy produced could also provide backup power to critical infrastructure located in close proximity to the site.

Resiliency Hub Project is Consistent with other FCRTA Projects

- **FCRTA Maintenance Facility Inductive Charging Station-** a capital project to install (1) inductive WAVE level 3 charging station and (27) wireless Witricity chargers at the new FCRTA maintenance facility in Selma.
- **TIRCP Resiliency Hub Project-** FCRTA was awarded \$6.1 million from the Transit and Intercity Rail Capital Program to construct a resiliency hub in downtown Fresno adjacent to the future HSR station that will include inductive charging and solar carports with EV charging.
- **FCRTA Microgrid Study** – FCRTA conducted a microgrid resiliency hub study analyzing potential sites throughout Fresno County to install distributed energy resources/microgrid system as community resiliency hubs. The proposed Kingsburg resiliency hub will include a back-up energy storage component which could be expanded to include a microgrid and link to the system.
- **FCRTA Charging Master Plan** – FCRTA was awarded from a Caltrans SIPG to develop a comprehensive EV charging master plan and an energy system management plan.

Thank you



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FCRTA Fresno County
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