

# Multi-site EV Charging Proposal #1 (Community Program)

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This is a starting point and first stab at possible charging site configurations to get an idea what we may be looking at. We have not included brand names but we have an idea what they could be. We are brand agnostic as long as the chargers chosen have a proven track record and the right qualifications to provide the capabilities we want and need. In all of the following configurations there is no need for PG&E to provide a high power (480 volt) circuit, which is time-consuming to get approval for, expensive to provision (if it is even available - no guarantee) and adds significant load to the grid. We think one of our many goals should be to minimize any added stress to the grid and provide some level of resiliency for when the grid is down. We have not included a L3 DCFC charger in Mendocino with this configuration out of costs concerns but we are flexible on that point. There are Fast Chargers in Ft. Bragg.

We have recommended 2 separate sites for Gualala because currently there is literally NOTHING in Gualala - no public chargers and not even any privately owned chargers for the 4, multi-room lodging facilities in town. As far as we can tell, of all the unincorporated towns in the County, Gualala is as bad as it gets when it comes to charging facilities, public or private. Gualala needs to catch up and this will not happen without public subsidies.

## Gualala Site A

- Qty 1 - Battery-backed L3 DCFC Charger configured with Qty 2 CCS1 Combo ports (50-150 amps) Capable of powering 1 EV at 150kW or 2 EVs simultaneously at 75kW each
- Qty 2 - Level 2 Charger with dual J1772 ports (200 amp service) providing >6kW each port  
Optional Solar Canopy and batteries for added resiliency. Capable of charging 4 vehicles simultaneously.

Notes: This would require both a 200 amp service for the L2 Chargers and a say a 100 amp service for the DCFC. The DCFC provides resiliency with its batteries. Resiliency for the L2 chargers would require additional batteries and ideally a solar canopy.

## Gualala Site B

- Qty 2 - Level 2 Charger with dual J1772 ports (200 amp service) providing >6kW each port  
Solar Canopy and batteries to provide resiliency at this site.  
Capable of charging 4 vehicles simultaneously.

Note: A single 200 amp service will suffice for all chargers with this configuration.

## Boonville Site

- Qty 1 - Battery-backed L3 Charger configured with Qty 2 CCS1 Combo ports (50-100 amps)  
Capable of powering 1 EV at 150kW or 2 EVs simultaneously at 75kW each
- Qty 1 - Level 2 Charger with dual J1772 ports providing >6kW each port  
Optional Solar Canopy and batteries for resiliency.

Note: A single 200 amp service will suffice for all chargers with this configuration.

## Mendocino Site

Qty 2 - Level 2 Charger with dual J1772 ports (200 amp service) providing >6kW each port  
Solar Canopy and batteries to provide resiliency at this site.  
Capable of charging 4 vehicles simultaneously.

Note: A single 200 amp service will suffice for all chargers with this configuration.

**Camp 20 at Chamberlain Creek, Jackson State Forest on SR 20**

Qty 1 - Level 2 Charger with dual J1772 ports (100 amp service) providing >6kW each port  
Solar Canopy and batteries to provide resiliency at this site (optional)  
Capable of charging 2 vehicles simultaneously.