

DOCKETED

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Item 13: GFO-21-601: Charging Access for Reliable On-Demand Transportation Services (CARTS)

July 13, 2022 Business Meeting

Madison Jarvis, Air Pollution Specialist
Fuels and Transportation Division
Light-Duty EV Infrastructure and Analysis Branch



Benefits to Californians

- Increased resiliency
- Reduced emissions
- Job creation



Photo credit: San Francisco Chronicle



Solicitation Overview

- On-Demand Transportation Services
 - Ride-hailing
 - Taxis
 - Meal and grocery delivery
- Chargers may be publicly or privately available

GRANT FUNDING OPPORTUNITY

Clean Transportation Program
Charging Access for Reliable On-Demand
Transportation Services (CARTS)



Addendum 3

GFO-21-601
www.energy.ca.gov/contracts/index.html
State of California
California Energy Commission
November 2021



California Market Potential



Photo credit: CARB

≈ **30%**

share of market for DCFC

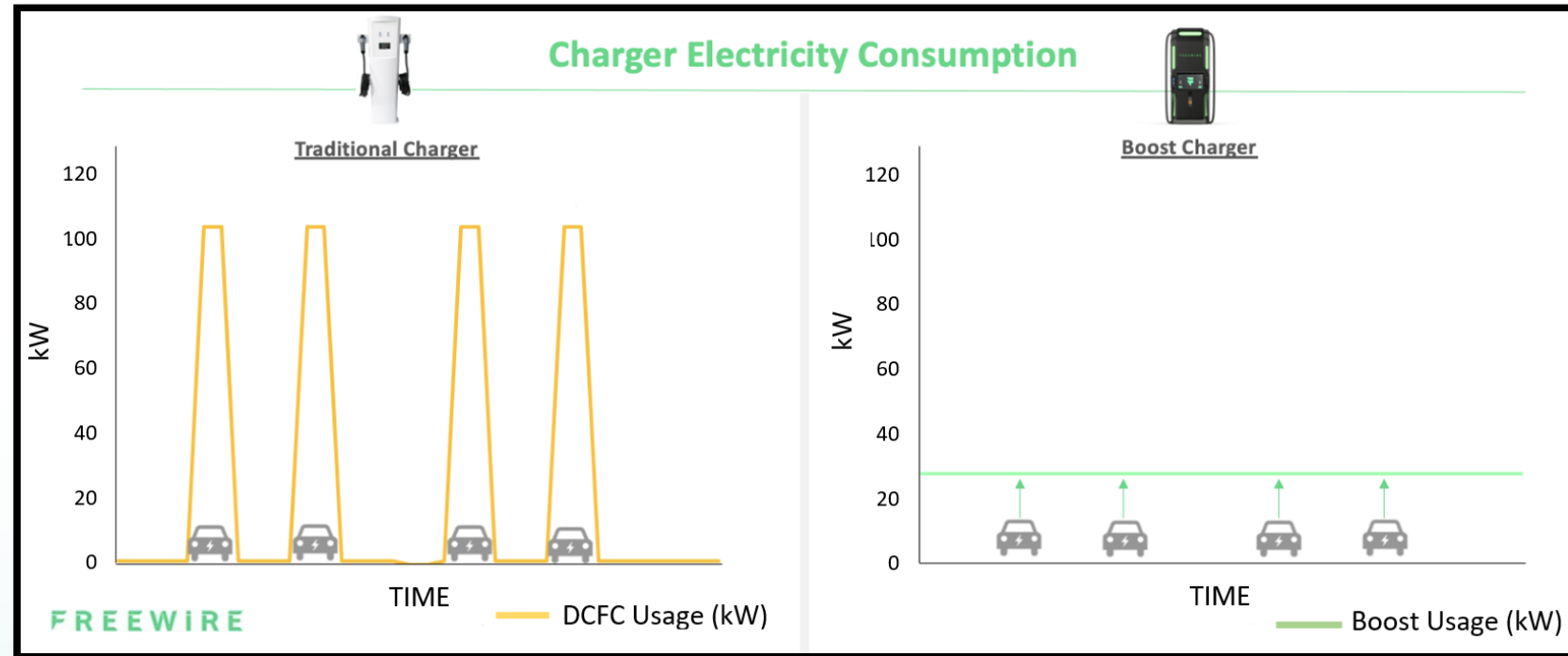
≈ **400,000**

TNC EVs in California by 2030



Project Overview for FreeWire Technologies, Inc. (13a)

- 5 DCFC “Boost” Chargers
 - Only pulls 27 kW from the grid
- Installations at two BP stations
 - Delta Shores, Sacramento
 - Orangevale
- Tracks usage of Uber EV drivers

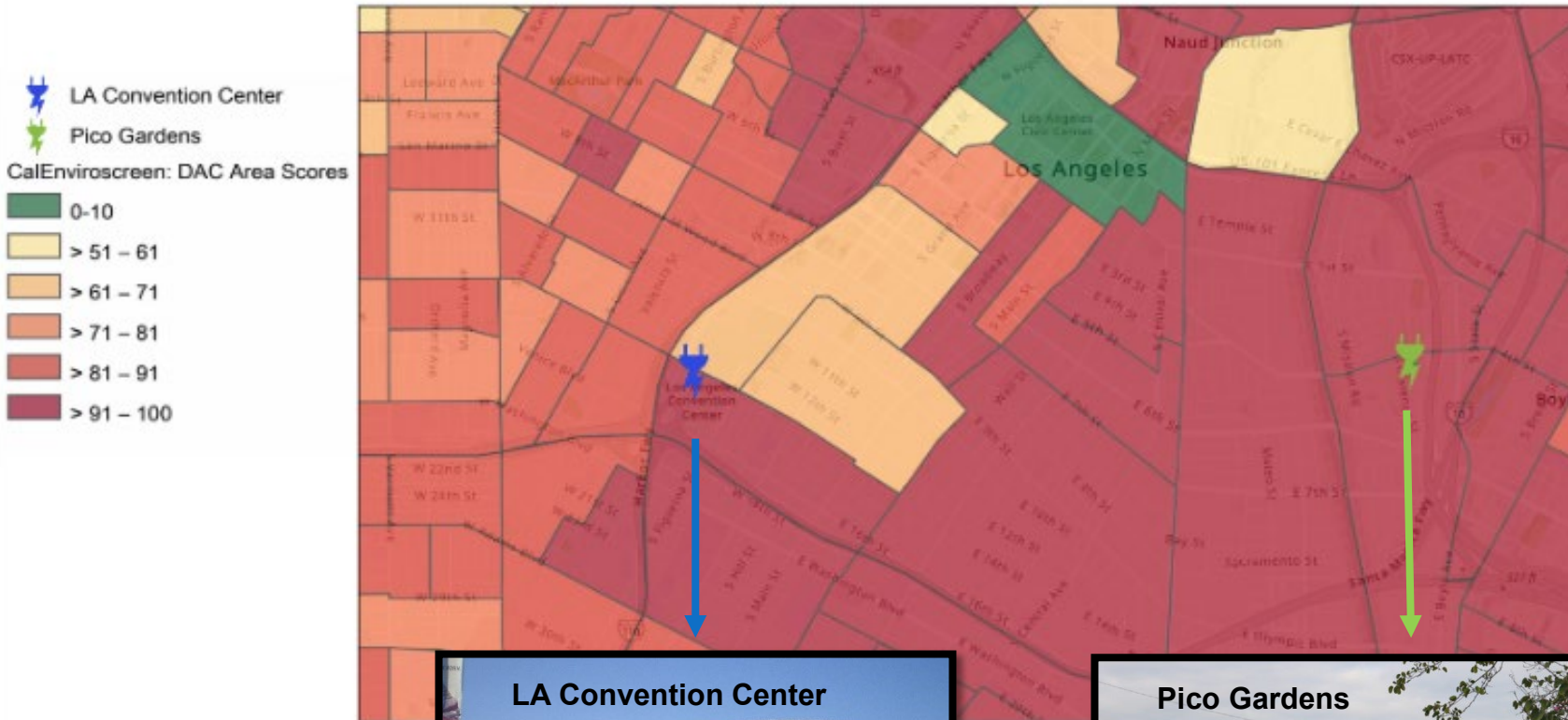


Source: FreeWire Project Narrative



Project Overview of Shell EV Charging Solutions Americas (13b)

LATCH Project Sites within Disadvantaged Communities



- Los Angeles TNC Charging Hub Project (LATCH)
- 6 Chargers (180 kW and 350 kW)
- Outreach events to encourage utilization





Project Overview for **AMPLY Power** (13c)



Source: AMPLY Power Inc.

- Robust Airport Charging for Electric Ride Hail Fleets, or "RACER"
- 48 DC Fast Chargers
- Located in Los Angeles for LAX service
 - 20% of passenger vehicles in/out of LAX are TNCs
- TNC in-app payment integration



Staff Recommendation

- Approve 3 grant agreements
- Adopt staff's determination that the 3 actions are exempt from CEQA.