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<td>Description:</td>
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<td>Filer:</td>
<td>Madison Jarvis</td>
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<td>Organization:</td>
<td>California Energy Commission</td>
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<td>Submitter Role:</td>
<td>Commission Staff</td>
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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
  o Ride-hailing
  o Taxis
  o Meal and grocery delivery

• Chargers may be publicly or privately available
California Market Potential

≈ 30% share of market for DCFC

≈ 400,000 TNC EVs in California by 2030

Photo credit: CARB
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)

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

(Source: Zeco Systems Project Narrative)
Project Overview for AMPLY Power (13c)

- 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

Source: AMPLY Power Inc.
Staff Recommendation

• Approve 3 grant agreements

• Adopt staff’s determination that the 3 actions are exempt from CEQA.