



**Truck Regulation Implementation Group
(TRIG) Infrastructure Meeting #3
Funding and Financing for Infrastructure**

June 5, 2023

Agenda

- Recap previous Infrastructure TRIG meetings
- Demonstration of CEC MHDV Infrastructure Dashboard
- Infrastructure Funding and Financing Presentations
 - Clarifying Questions (at end of presentations)
- Focused Discussion
- Recap and Next Steps

CEC MDHD Infrastructure Dashboard Beta version demonstration

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Link to beta version of MDHD Station Development Dashboard

[MDHD ZEV Station Development in California - Beta Version](#)

Funding and Financing Program Presentations and Updates

- CalFleetAdvisor
- California Energy Commission and EnerGIIZE
- California Department of Transportation (Caltrans)
- US Department of Energy and Environmental Protection Agency
- CA Infrastructure and Economic Development Bank (ibank)
- California Capitol Access Program (CalCAP)
- Low Carbon Fuel Standard (LCFS)
- South Coast Air Quality Management District
- Bay Area Air Quality Management District
- San Joaquin Valley Air Pollution Control District
- Ports of Los Angeles and Long Beach

Presentations in separate slide deck entitled "Infra TRIG 3 Funding Program Slides"

Utility Program Websites

- Pacific Gas & Electric (PG&E)
 - [EV Fleet Program \(pge.com\)](https://www.pge.com)
 - [Learn how PG&E Can Help Fleets Save Money with Electrification - ACT News \(act-news.com\)](https://www.act-news.com)
- Southern California Edison (SCE)
 - [TE Advisory Services \(sce.com\)](https://www.sce.com)
 - [Learn how PG&E Can Help Fleets Save Money with Electrification - ACT News \(act-news.com\)](https://www.act-news.com)
- San Diego Gas & Electric (SDG&E)
 - [Medium/Heavy-Duty \(MD/HD\) EV Charging Infrastructure Program | San Diego Gas & Electric \(sdge.com\)](https://www.sdge.com)
- Los Angeles Department of Water and Power (LADWP)
 - [Commercial EV Charging Station Rebate Program | Los Angeles Department of Water and Power \(ladwp.com\)](https://www.ladwp.com)

Questions?

Discussion Topics

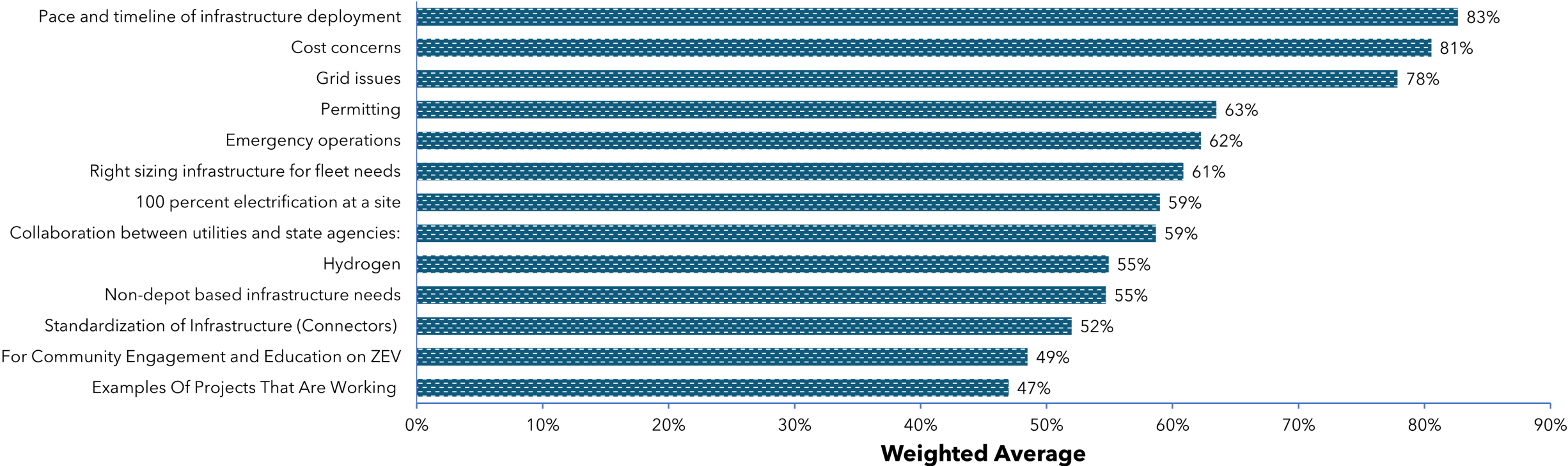
- Is funding enough to attract interest?
- Are any programs undersubscribed? Do we know why?
- Are there eligibility or other gaps in one or more programs that need to be addressed?
- Are there program participation requirements that discourage fleet operators from participating?
- Could programs be administered more efficiently or in a more user-friendly manner? (without requiring outside help)
- Are there opportunities to improve funding finder or other resources so that fleets can quickly determine eligibility and the conditions for eligibility?
- How well do programs align with other funding programs in terms of financing or co-funding (i.e., stacking)?
- Do the funding/financing programs align well with utility transportation electrification programs?
- What are the unaddressed pain points?

Next Steps

- Recap and Action Items
- Next TRIG meeting topic?

Weighted Average of Infrastructure Challenges

Infrastructure Challenges



Top 3 priorities in detail

1. Grid issues

- a. Energization times
- b. Grid electrical capacity
- c. Power to operate (very large at scale)
- d. Balancing rates and grid buildout
- e. Rate design for small fleets with low utilization but high demand charges
- f. On-site generation
- g. Grid outages

2. Cost concerns

- a. Cost of infrastructure including construction cost
- b. Cost of upstream grid upgrades
- c. Cost of work required by permitting agencies
- d. Cost of fuels
- e. LCFS Credits

3. Pace and Timeline of infrastructure deployment

- a. Equipment availability
- b. Workforce to install and maintain