



Item 13: Light-Duty Vehicle and Multi-Use Hydrogen Refueling Infrastructure – GFO-22-607

August 9, 2023, Business Meeting

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Benefit to Californians



- Provide fueling infrastructure for fuel cell electric vehicles (FCEVs)
- Expand opportunities for zero-emission vehicle adoption
- Reduce greenhouse gas emissions and local air pollution
- Support passenger cars and heavy-duty trucks



Solicitation Overview

- Released October 2022
- Funding from California Budget Act of 2021-22
- Today's Item:
 - Two projects
 - Two multi-use stations
 - \$5,780,123

GRANT FUNDING OPPORTUNITY

Clean Transportation Program

Light-Duty Vehicle and Multi-Use Hydrogen Refueling Infrastructure



GFO-22-607

[Solicitation Information](http://www.energy.ca.gov/contracts/index.html)

<http://www.energy.ca.gov/contracts/index.html>

State of California

California Energy Commission

October 2022



Air Products and Chemicals, Inc.

- Multi-use hydrogen refueling station in Galt
- \$2,780,123 grant, same amount in match



Source: Air Products and Chemicals, Inc.



Source: Air Products and Chemicals, Inc.

- 6,000 kilograms/day capacity
- Renewable hydrogen sourced from Arizona electrolyzer plant



FirstElement Fuel Inc.

- Multi-use hydrogen refueling station in Kettleman City
- \$3,000,000 grant, \$8,885,000 match
- Up to 18,000 kilograms/day capacity



Source: FirstElement Fuel Inc.



Source: FirstElement Fuel Inc.



Hydrogen Refueling Infrastructure Progress

- Total funding: \$271 million
- Executive Order goal of 200 stations
 - Before solicitation release: 176 stations funded
 - With solicitation: 6 new stations
 - Since solicitation: Project for 50 stations withdrawn by grant recipient, 2 other stations cancelled
 - New total stations funded: 130



Staff Recommendation

- Item 13:
 - Adopt staff CEQA findings
 - Approve agreement ZVI-23-002 for \$2,780,123 and ZVI-23-003 for \$3,000,000