



Item 10: Zero-Emission Transportation Manufacturing – GFO-21-605

June 16, 2023 Business Meeting

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Solicitation Overview

- GFO-21-605 Zero-Emission Transportation Manufacturing (ZETM)
- Increase in-state manufacturing of zero-emission vehicles (ZEV), ZEV components and batteries, and ZEV charging or refueling equipment.
- Funding from:
 - California Budget Act of 2021-22
 - California Budget Act of 2022-23
 - Clean Transportation Program
- Today's Funding:
 - 2 projects
 - \$22.7 million

GRANT FUNDING OPPORTUNITY

Clean Transportation Program

Zero-Emission Transportation Manufacturing



Addendum 1

GFO-21-605

[Solicitation Information](https://www.energy.ca.gov/funding-opportunities/solicitations)

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State of California

California Energy Commission

May 2022

Source: CEC



Moxion Power Co. Overview



Source: Moxion Power Co.



- Project Location:
 - Richmond
- Funding Amounts:
 - CEC Share: \$14,999,997
 - Match Share: \$26,688,807
- Project Focus Areas:
 - Battery modules
 - Battery packs



Moxion Project Benefits

- Expand manufacturing capacity
- Promote ZEV adoption
- Reduce 882,500 MT of GHG emission per year
- 400 direct jobs within a DAC and LIC



Source: Moxion Power Co.



FirstElement Fuel, Inc. Overview



Source: FirstElement Fuel, Inc.

- Project Locations:
 - Santa Ana
 - Livermore
- Funding Amounts:
 - CEC Share: \$7,747,740
 - Match Share: \$14,386,400
- Project Focus Areas:
 - Hydrogen Refueling Station (HRS) equipment
 - Hydrogen cryogenic pumps
 - Station equipment testing



FirstElement Project Benefits

- Promote in-state manufacturing of HRS
- Reduce downtime for HRS stations
- Reduce 600,000 MT of GHG emissions per year
- 38 direct jobs



Source: FirstElement Fuel, Inc.



Staff Recommendation

- Item# 10.a: Moxion Power Co.
 - Approve grant agreement for \$14,999,997.
 - Adopt staff's determination that this action is exempt from CEQA.
- Item# 10.b: FirstElement Fuel, Inc.
 - Approve grant agreement for \$7,747,740.
 - Adopt staff's determination that this action is exempt from CEQA.