

DOCKETED

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Item 16: Zero-Emission Transportation Manufacturing – GFO-21-605

January 25, 2023 Business Meeting

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Fuels and Transportation Division
Transportation Integration and Production Branch



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

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)
<https://www.energy.ca.gov/funding-opportunities/solicitations>
State of California
California Energy Commission
May 2022

Source: CEC



Zimeno Inc. DBA Monarch Tractor Overview



The MK-V Electric Tractor

CEC Award: \$13,060,660
Match Funding: \$13,179,310

Source: Monarch Tractors



Benefits of Monarch Tractor Project

- Farming decarbonization
- Reduce agricultural emissions
- 720 - 1,440 battery electric tractors annually
- 13,100 metric tons of CO₂ equivalent abated
- 105 metric tons NO_x abated
- 50 highly trained positions



American Lithium Energy Corp. Overview

- Fully-automated battery cell assembly line for 1,500,000 ZEV battery cells per year.
- Increase use of US and CA-based raw materials and equipment suppliers.

CEC Award: \$10,220,285
Match: \$10,220,605



Source: American Lithium Energy



Benefits of American Lithium Energy Project

- California ZEV battery manufacturing
- 1,080 tons of CO2 reduced per year
- 52 well-paying battery manufacturing jobs
- ZEV workforce development in California



Wiggins Lift Co., Inc. Overview



Source: Wiggins Lift

Zero Emission Marina eBULL

CEC Award: \$8,114,664

Match: \$8,321,266



Source: Wiggins Lift



Benefits of Wiggins Lift Co., Inc. Project

- 5-10x growth in electric forklift and material handling equipment market in California
- 1,000 tons of CO2 reduced per year
- 31-68 manufacturing jobs



ChargePoint, Inc. Overview



Level 2 and
DC fast
charging
equipment

CEC Award: \$14,638,915
Match Funding: \$14,638,916



Source: ChargePoint



Benefits of ChargePoint, Inc. Project

- 10,000 Level 2 chargers and 10,000 DC fast chargers by 2026
- Up to 1.6 million metric tons of CO2 reduced
- 264 manufacturing jobs



Staff Recommendation

- Approve 4 agreements
- Adopt staff's determination that this action is exempt from CEQA