



Item #10: Responsive, Easy Charging Products with Dynamic Signals (REDWDS) – GFO-22-609

March 13, 2024 Business Meeting

Jeffrey Lu
Zero Emissions Vehicles Acceleration Branch
Fuels and Transportation Division



Solicitation Overview

- Products that optimize charging in response to grid signals
- Potential additional funding for a second phase, contingent on project performance
- Awarded today:
 - Two projects (out of 10 proposed awards)
 - \$3.98 million in CEC funds

The screenshot shows the California Energy Commission website. The header includes the CEC logo and navigation links: HOME, PROCEEDINGS, RULES AND REGULATIONS, and PROGRAMS AND TOPICS. The breadcrumb trail is: Home > Funding > Solicitations > GFO-22-609 - Responsive, Easy Charging Products with Dynamic Signals (REDWDS). The main heading is **GFO-22-609 - Responsive, Easy Charging Products with Dynamic Signals (REDWDS)**. Below this, a table provides key details:

SOLICITATION TYPE Grant Funding Opportunity	PROGRAM Clean Transportation Program
SOLICITATION NUMBER GFO-22-609	RELEASE DATE March 10, 2023
SOLICITATION STATUS Awarded — Notice of Proposed Award (Cover Letter , Results Table)	SUBMISSION DEADLINE June 02, 2023, 11:59 pm
DIVISION Fuels and Transportation	QUESTIONS DEADLINE March 29, 2023, 5:00 pm



Benefits to Californians

- Reduce charging costs and emissions
- Grid reliability
- Customer confidence with optional home backup power
- Integrate fleet management with grid signals
- Phase 1 new installations include:
 - 54 chargers (Everengi, LLC)
 - 120 bidirectional chargers (Bidirectional Energy, Inc.)



Source: Bidirectional Energy, Inc.



Everergi LLC

- Fleet charging software development and site integration
- Customer deployments at sites in Oakland, Rancho Cordova, San Diego, San Jose, San Simeon, and Thousand Oaks (54 new chargers in Phase 1)

	Approved Today (Phase 1)	Possible Phase 2*
CEC Share	\$1,774,483	\$25,761,452
Match Share	\$994,987	\$27,847,361

* Contingent on Phase 1 performance, funding availability, and CEC approval.

The screenshot shows the BetterFleet software interface. At the top, there are dropdown menus for 'Select Workspace' (set to KCM) and 'Select Depot' (set to South Base). A left sidebar contains navigation icons for Overview, Alerts, Depot, Chargers, Vehicles, Power, and Settings. The main content area displays a list of charging stations:

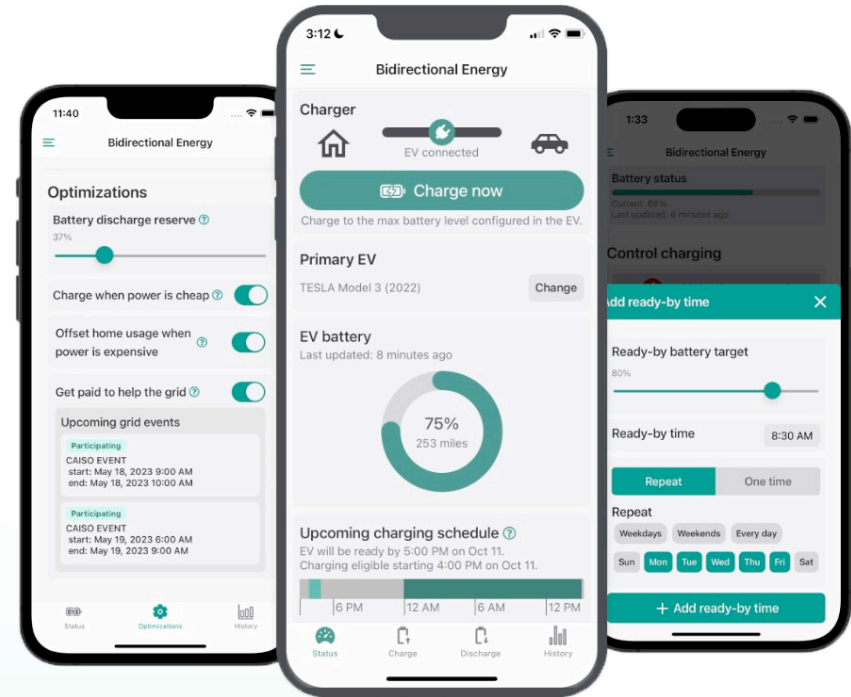
- Heliox Portable Bay15-16**: Offline Since: 12/3/2023, 11:36:18 PM. Model: Fast DC50. Power: 0.00kW. Max 50kW.
- Heliox Portable Bay7-8**: Offline Since: 1/2/2024, 3:16:01 AM. Model: Fast DC50. Power: 0.00kW. Max 50kW.
- ABB Gantry Lane 5**: Available. Model: MD_HVC_BUS. Power: 0.00kW. Max 450kW.
- ABB Gantry Lane 6**: Available. Model: MD_HVC_BUS. Power: 78.09kW. Max 450kW.

Source: Everergi / BetterFleet



Bidirectional Energy, Inc.

- Bidirectional charging software and product development
- Customer deployments at single and small multi-family residences (120 new chargers in Phase 1)



	Approved Today (Phase 1)	Possible Phase 2*
CEC Share	\$2,206,317	\$5,464,100
Match Share	\$990,000	\$5,464,100

* Contingent on Phase 1 performance, funding availability, and CEC approval.

Image source: Bidirectional Energy.



Staff Recommendation

- Item 10(a) Everergi LLC
 - Grant agreement for up to \$27,535,935
(*\$1,774,483 today for Phase 1*)
 - Adopt staff's determination that this action is exempt from CEQA
- Item 10(b) Bidirectional Energy, Inc.
 - Grant agreement for up to \$7,670,417
(*\$2,206,317 today for Phase 1*)
 - Adopt staff's determination that this action is exempt from CEQA