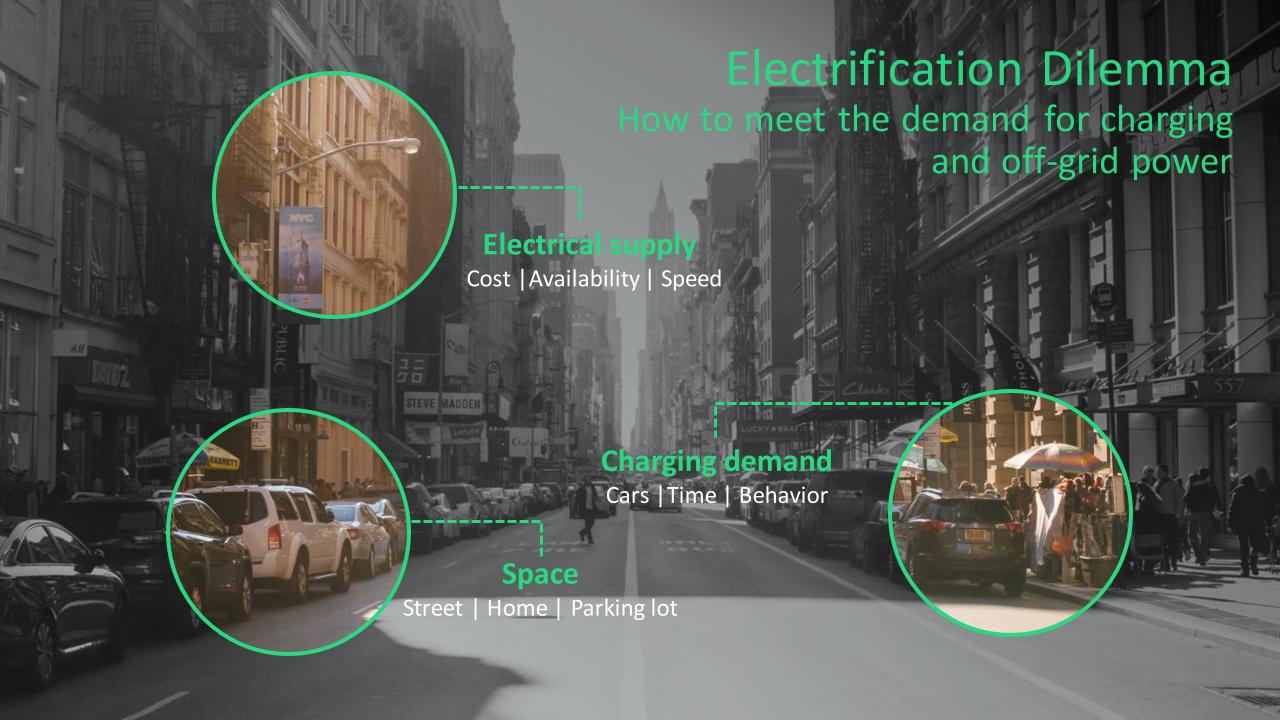
| DOCKETED | |
|------------------|--------------------------------|
| Docket Number: | 20-IEPR-02 |
| Project Title: | Transportation |
| TN #: | 233848 |
| Document Title: | Resiliency Benefits of Battery |
| Description: | S1 2D. Susie Monson, FreeWire |
| Filer: | Raquel Kravitz |
| Organization: | Energy Commission |
| Submitter Role: | Commission Staff |
| Submission Date: | 7/14/2020 9:26:11 AM |
| Docketed Date: | 7/14/2020 |

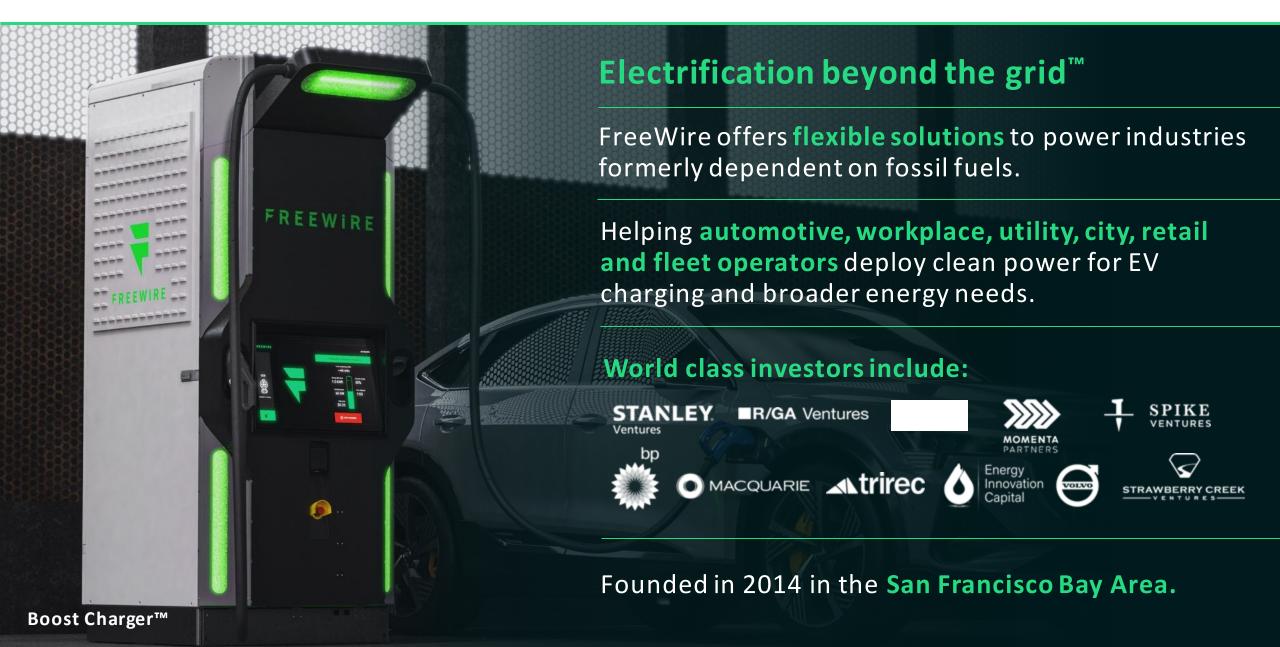


FreeWire Technologies

Resiliency Benefits of Battery Integration



FreeWire Technologies



FreeWire Products: Clean Power, Wherever, Whenever

Mobi®



Mobi provides flexible power for remote or critical locations.

- "Swiss-army knife" for multiple power needs
- Zero-emission alternative to generators
- Mobile for rapid deployment and relocation
- 80 kWh storage
- 7 hours of power at full load

Boost Charger[™]



Boost Charger features integrated energy storage technology that simplifies installation, reduces ongoing costs, and unlocks more locations for EV charging.

- 120 kW fast charging
- 160 kWh storage
- Low-voltage grid connection
- Retrofit as needs evolve in other locations

Improving EV Charging Resiliency



Co-locate EVSEs with Storage and/or Distributed Energy Resources (DER)

- Significantly enhance overall resiliency for ZEVs
- Harden community infrastructure from outages
- Solar + storage energy storage capacity
 - Islanded for recharging vehicles
 - Balance broader site loads

FreeWire Planned Innovations



Boost Charger

Grid-down and bi-directional power flow functionality.



Mobi

DC input: plug and play power asset at existing and new solar installations.

Resiliency: Recovering from Shocks to the System

Power Sources

Battery-integrated EV charging systems provide customers with the ability to charge ZEVs, but also prioritize their energy uses during power outages.

Customer Example: UC Davis Fleet



Fleet Charging: limited electrical capacity; not practical to add more fixed chargers. Mobi is used to recharge multiple fleet vehicles overnight.

Back-up Power: Mobi can be used as back-up power to support garage and pumps for rest of fleet.

COVID-19 and Other Shocks

Zero-emission storage products may provide superior power solutions for new use cases.

1) Applications where controlling noise, protecting health, and/or safeguarding privacy are important.

Customer Example: COVID test sites at NYC hospitals



2) Remote work/SIP may increase consumer focus on the need for reliable power at home, and increase the attention on V2G or other battery storage as back-up.

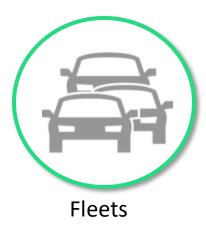
Promoting Resiliency in Policy

Proposals

- 1. CORE-like program for resiliency applications
- 2. Soft-cost reduction for infrastructure-light products
 - Include into existing IOU programs
 - Fast-track interconnection
- 3. Incentive adder to existing programs (e.g. CALeVIP) for resiliency charging/grid down applications

Beneficiaries







Thank you!

Susie Monson

Sales Enablement and Partner Programs

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