

BASELOADENERGY

TRULY SUSTAINABLE ENERGY SOLUTIONS

Remote BEV Charging Concept

2 MW Stand-Alone Facility

Overview

BaseloadEnergy delivers a **truly** self-sufficient, 2 MW DC fast-charging hub designed for locations where the grid is weak, constrained, or unavailable. The system combines mobile power-generation trailers, high-pressure gas storage, and Rivian-class fast chargers into a single integrated site that can be deployed, expanded, or relocated as demand grows.



BaseloadEnergy Stand-Alone Fast-Charge Facility – Type 1 Concept

How It Works

- A 2 MW modular power block converts syngas or hydrogen-rich fuels into clean, dispatchable electricity for BEV fast-charging.
- Mobile "drop & swap" storage trailers supply the fuel via a cascade system, allowing quick replacement of depleted trailers without shutting down the site.
- The fast-charge canopy supports up to 12 DC fast chargers, enabling simultaneous charging for light-duty trucks, SUVs, and commercial EVs.
- BaseloadEnergy's mobile genset and storage rigs arrive fully wrapped and commissioned, minimizing on-site civil and electrical work.

Revenue Model – Long-Term Wholesale Offtake

- Nameplate capacity: 2 MW.
- Energy sales: 85% of net generation sold under a 10-year wholesale offtake agreement at \$0.35 per kWh.
- Remaining 15% of capacity is reserved for on-site retail BEV charging, premium reliability service, or dedicated fleet contracts.
- The offtake structure underpins project financeability, while the retail margin on the reserved capacity provides upside and supports local price signals.

Mobile Charging Rigs

BaseloadEnergy's branded Tesla-platform charging rigs package the entire energy chain—fuel storage, power generation, and grid-quality output—on highway-legal trailers. These units can:

- Serve as primary generation for a remote fast-charge site.
- Be redeployed seasonally to match corridor and tourism patterns.
- Provide temporary capacity during utility outages, construction, or grid upgrades.



BaseloadEnergy BEV Mobile Charging Rig – Optimized for Remote Deployment



BaseloadEnergy Mobile Storage Configuration

Key Advantages for Partners and Offtakers

- Predictable 10-year wholesale price at \$0.35 per kWh enables clear budgeting and hedging against grid volatility.
- Rapid deployment without waiting for multi-year substation or feeder upgrades.
- Modular design allows scaling from a single 2 MW block to larger multi-MW parks as adoption grows.
- Mobile drop-and-swap fuel logistics minimize downtime and keep utilization high.
- Strong visual branding and premium site design create a differentiated driver experience.

Ideal Applications

- Highway corridors and logistics hubs where BEV truck adoption is ramping ahead of grid reinforcement.
- Rural tourism and recreation destinations seeking reliable fast-charging without substation upgrades.
- Utility and CCA partners who want contracted, dispatchable BEV charging load that can be co-optimized with local generation and storage.

NOTE: This is only possible when developed in conjunction with one of our 5MW Syngas Production Facilities.

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Chris Headrick – cheadrick@bsld.energy | D: 865-227-4818