



Executive Summary for Fresno County

December 9, 2025

Bloomenergy

Executive Summary

Bloom Energy is pleased to submit this proposal for a **2,665 kW** onsite fuel cell project in basic microgrid configuration for Fresno County.

This installation will help Fresno County

- ✓ Take control of energy costs and hedge against increasing PG&E electricity rates, which are projected to increase by over **6.5% CAGR**
- ✓ Turnkey installation performed and financed by Bloom Energy for Fresno through a PPA contract
- ✓ Reduce energy OpEx by over **\$19.8M** over the next 20 years from a PPA contract
- ✓ Operate the sites with **~18.3%** lower CO2 emissions and virtually no air pollutants
- ✓ Invest in a platform that supports the energy transition

Bloom Energy at a Glance



Global Footprint

Our corporate, manufacturing, and R&D offices serve as strategic global anchors to help organizations around the world reduce carbon emissions, enhance resiliency, and chart a path toward a net-zero carbon future.

MISSION

To make clean, reliable energy affordable for everyone in the world.

\$1.47B
2024 Revenue

20B kWh
Produced without
combustion

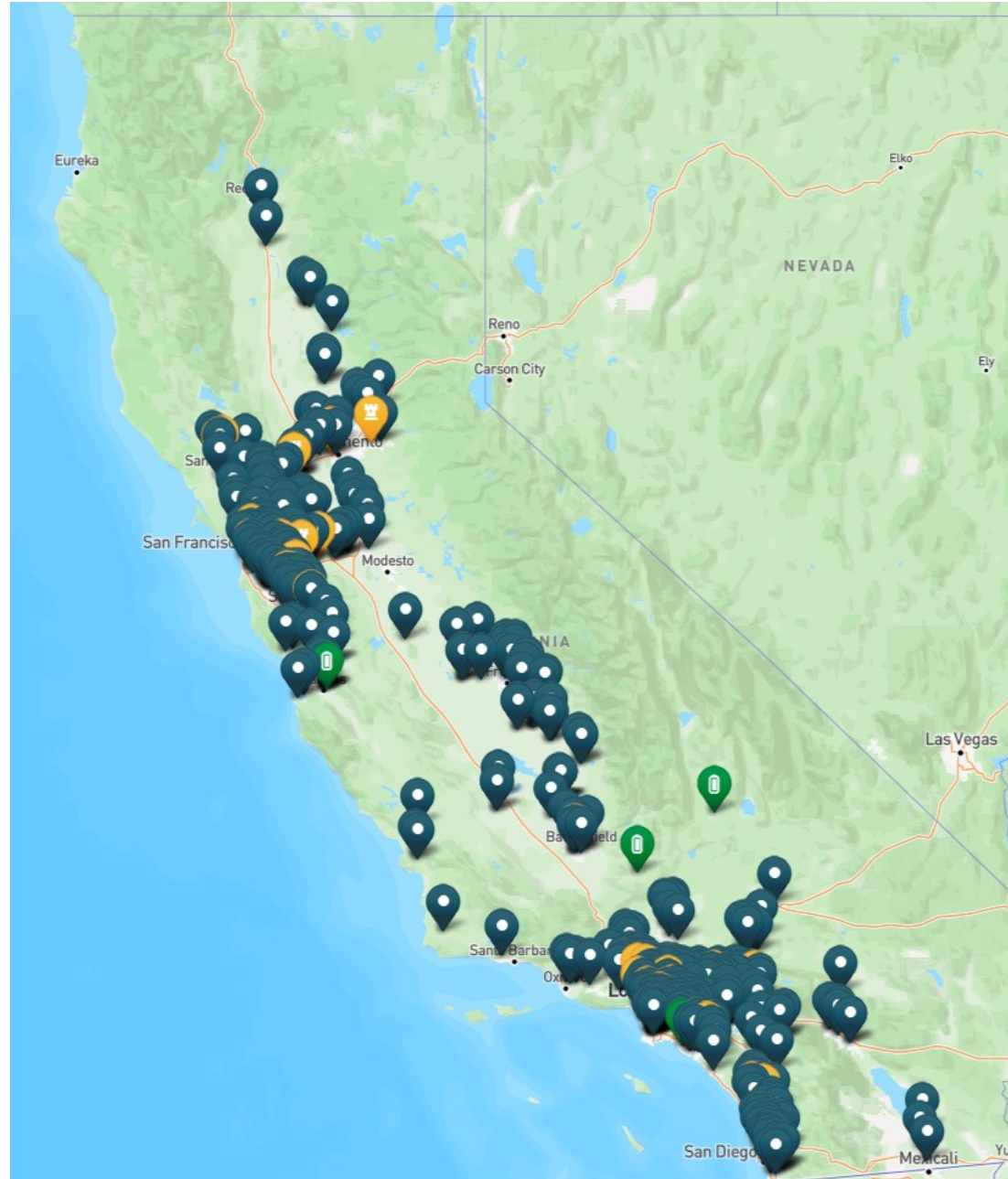
>1.5 GW
Deployed

~1400
Installations

\$10B
Backlog

>\$1bn
Cumulative R&D

Bloom Energy California Sites



Key Advantages for Fresno County

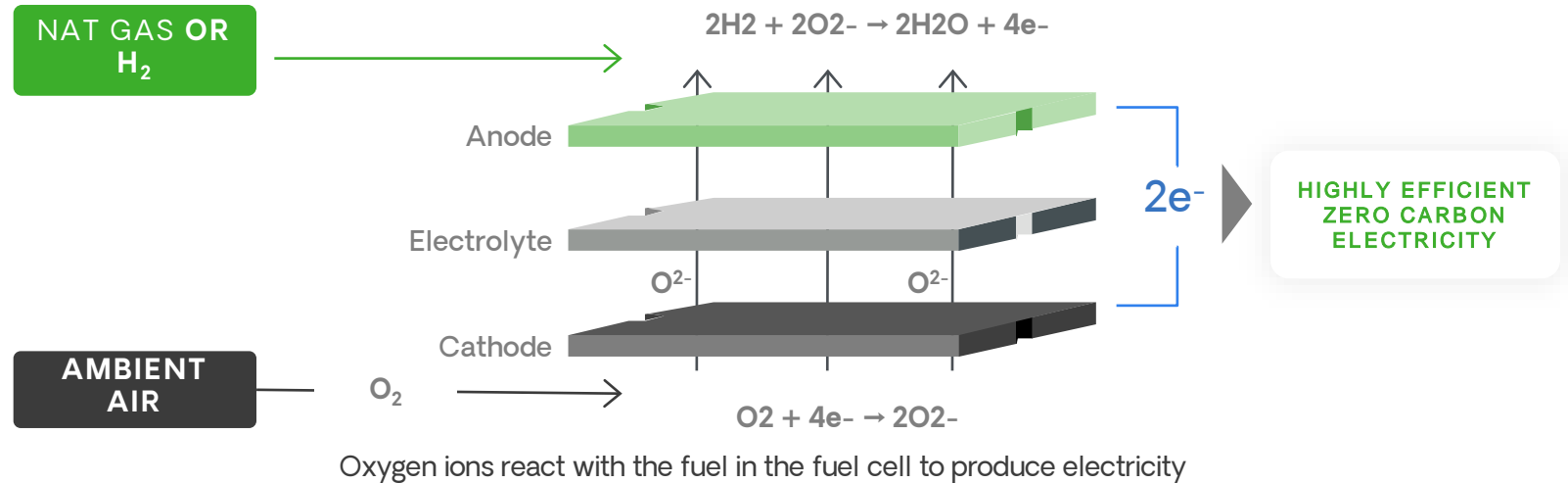
- Resiliency – Critical loads at Plaza Tulare and FCSO Jail will be able to operate during grid outages
- Reduction in costs associated with diesel generator fuel and maintenance
- Reliability – Bloom operates 24x7x365 with up to 99.997% uptime
- Zero particulate emissions – Bloom is exempt from air permitting requirements
- 100% of Energy Server maintenance and operation is handled by Bloom

Future Proof Power Generation Platform

1

How it Works

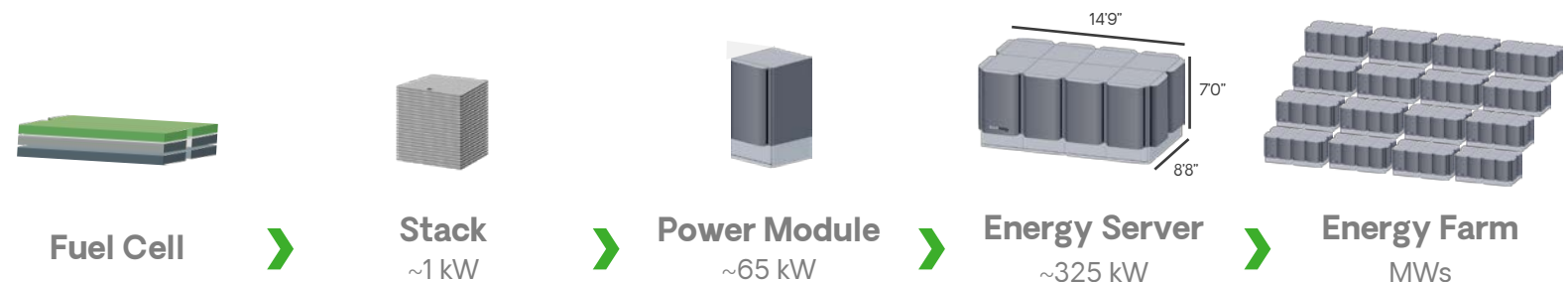
Solid-oxide fuel cells convert Hydrogen into electricity without combustion.



2

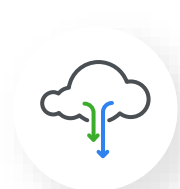
Cell to Server

The building blocks come together to form the Bloom Energy Server platform.



Real-World Sustainability Benefits

Annual Impacts for a 2,665 kW System in CA



CO₂e Reductions

1,846 MT/year

18.3%

Reduction¹

Saves the equivalent CO₂ emissions from:

207,712

gallons of gasoline consumed



NO_x Reductions

14,272 lbs/year

99.5+%

Reduction

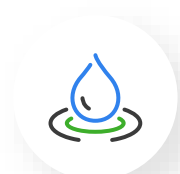
Saves the equivalent of:

\$530K - \$670K

in increased healthcare costs

SO₂ Reductions

948 lbs/year



Water Withdrawal

257 Mgal/year

99.9+%

Reduction^{2,3}

Savings equivalent to:

390

Olympic-sized swimming pools of water annually

1. Bloom's emissions compared to 2021 eGRID non-baseload emission rates for **NPCC New England**
2. Real-world (marginal) water reductions calculated using USGS's National Water Information System (https://waterdata.usgs.gov/nwis/water_use/)
3. Bloom water usage is assumed to be 1.01 gal/MWh based on 2022 actual water consumption

Bloomenergy®

What
Powers
You

