

California's Largest Utility Mitigates Fire Risk with Hybrid Solar + Storage Remote Grid



Meet the Founders



Anderson Barkow

Co-Founder, CFO

Bank of America
Merrill Lynch

RSF Social
Finance



Michele Nesbit

Co-Founder, COO

RMO Engineering
Construction
License

Global Good
Fund Fellow



Angelo Campus

Co-Founder, CEO

Forbes 30
Under 30

Echoing Green
Climate Fellow

Our Story

The National Science Foundation initially funded the development of BoxPower's containerized microgrid technology in 2011.

BoxPower's first projects focused on rapidly deploying microgrids for disaster relief in Puerto Rico, and has since expanded to providing affordable energy resilience to rural indigenous communities and remote applications for clients like Liberty Utilities and PG&E.



Forbes

Forbes
30 UNDER 30



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theguardian

MICROGRID KNOWLEDGE



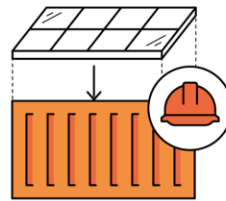
BoxPower has streamlined the design, procurement, and installation process for solar microgrids in one of the most challenging regions in the world.

Brian Hirsch
Deerstone Consulting

Remote Grid EPC Process



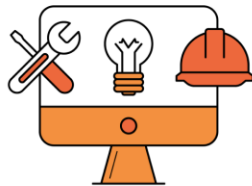
**Feasibility
Study**



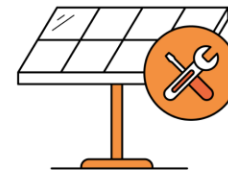
**Mechanical
Execution**



**Operations &
Maintenance**



**Engineering &
Design**



**Testing &
Commissioning**

California PSPS Statistics by Year

Year	PSPS Events	Circuits Impacted	Customers Impacted	Average Outage Duration (Hours)	Maximum Outage Duration (Hours)	Utilities Reporting
2018	7	91	84,565	37.6	93.7	PG&E, SCE, SDG&E
2019	15	2,290	2,230,459	45.9	162.8	PG&E, SCE, SDG&E, PacifiCorp
2020	20	1,168	862,475	32.2	133.8	PG&E, SCE, SDG&E, PacifiCorp

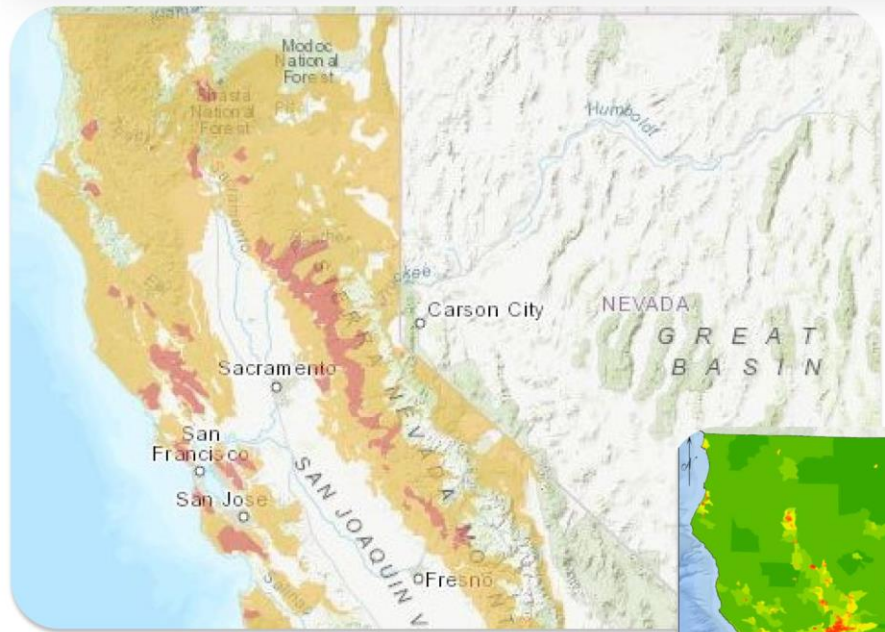
The High Costs of Remote Power

Making distribution infrastructure safe

- SCE undergrounding: \$3M/mile (2019)
- PG&E undergrounding: \$2M-\$6M/mile (2021)
- System hardening and vegetation management combined costs on par with undergrounding (PG&E)



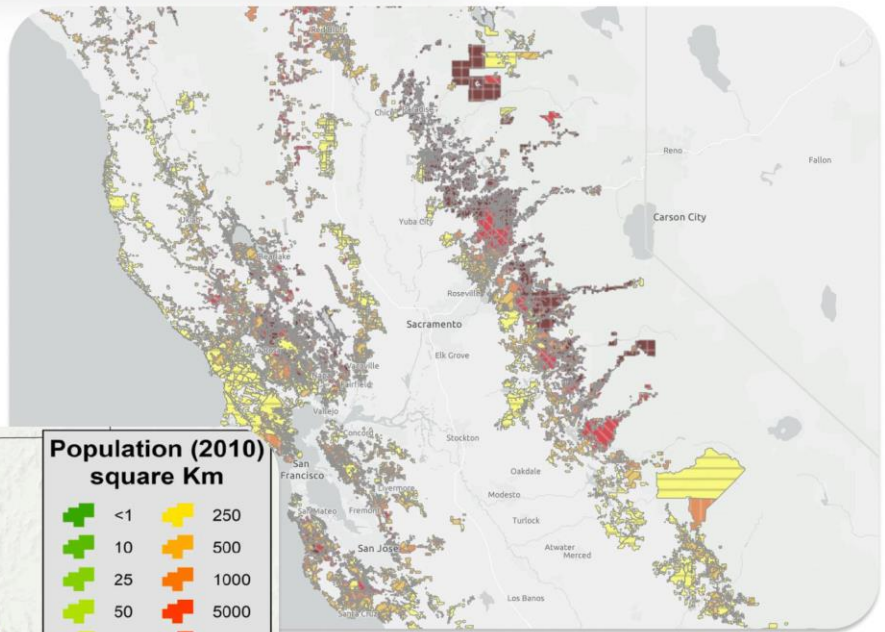
Rural residents impacted most by wildfire risk and PSPS events



High Fire Threat Districts (2021)

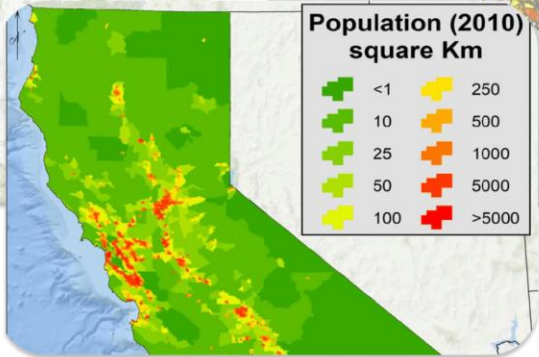
Orange = Elevated

Red = Extreme



Count of past PG&E PSPS events

Darker = more



PG&E's First Remote Grid

Briceburg, California

- Standalone Power System (SPS) fully replaces overhead powerlines
- Islanded distributed facilities (PV, BESS & propane backup)
- Improves resilience: community no longer affected by PSPS events
- Reduced wildfire risk from overhead electric poles & wires
- Lower cost of service delivery





BoxPower's Value Proposition

Turnkey solar, battery, and generator microgrid systems

Standardized for scaling for subsequent projects

Unparalleled experience with projects in challenging, remote environments

Vertically integrated from feasibility study to installation to management

Solutions optimized to suit your exact need

Specialize in project ranges from 25kW to 250kW

Advanced remote monitoring and control capabilities

Lifetime operation and maintenance support

Microgrids configured from pre-engineered products for rapid deployment

Cost competitive



EASI (Energy Audit System Integration) Software

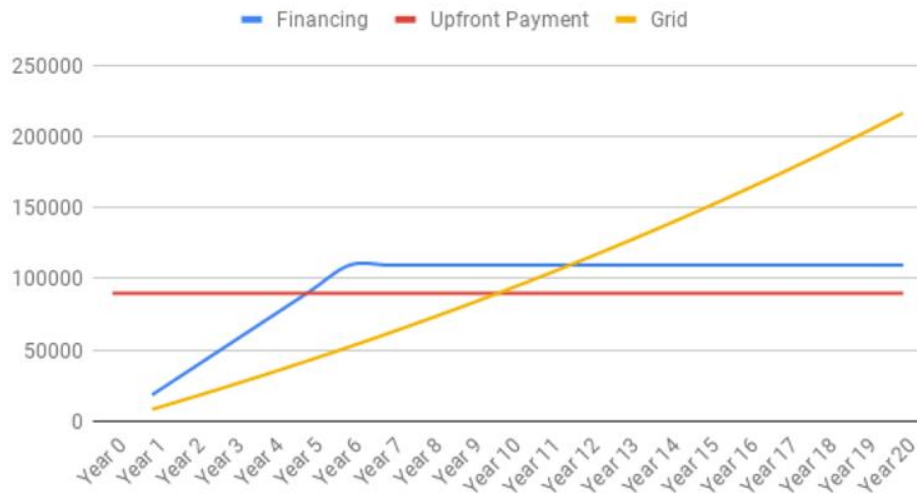
Proprietary Software For System Sizing & Optimization

Consumption Analysis

System Optimization

Financial Analysis

6 Year Financing Cost



EASI: How It Works

EASI streamlines the engineering, permitting, and installation of renewable assets.



Aggregate

EASI Transforms complex energy data into simple, usable and meaningful insights



Analyze

EASI provides a simple visualization of system: design, savings and optimization



Automate

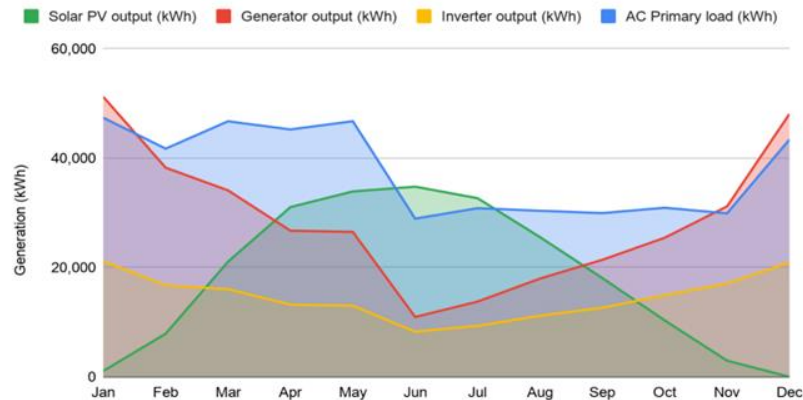
EASI provides a framework for streamlining the engineering, permitting and installation of renewable assets.

Remote Monitoring

All BoxPower systems come equipped with remote online monitoring capability. BoxPower also provides remote monitoring services for troubleshooting, report generation, maintenance notifications, and diagnostic services.



Generation Mix



Operations and Maintenance (O&M)

BoxPower can include an operations and maintenance agreement for your project. This is an optional feature with us to make your project more economical.





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