

DOCKETED

Docket Number:	22-DECARB-02
Project Title:	Building Decarbonization and Electric Vehicle Charging Equipment Web Guide
TN #:	245796
Document Title:	August 30 Workshop; BlocPower Panel 2 Presentation
Description:	N/A
Filer:	Heriberto Rosales
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	9/2/2022 9:25:30 AM
Docketed Date:	9/2/2022



Building Decarbonization and Electric Vehicle Charging Equipment Workshop

Panel #2: Tools and Resources

Dom Lempereur, Chief of Engineering

August 30th, 2022

dom@blocpower.io / 980-333-1428



About BlocPower

- Minority-owned clean tech company founded in 2014
- Focused on greening residential and small commercial buildings in the US, particularly in Low and Moderate Income (LMI) neighborhoods.
- Gas-to-electrification technology building conversions (air source heat pumps, hot water, etc.)
- Built a tech platform to speed up energy assessments and financing, lowering project development costs by 50%+.
- Backed by government offices, utilities, and the world's top investors.

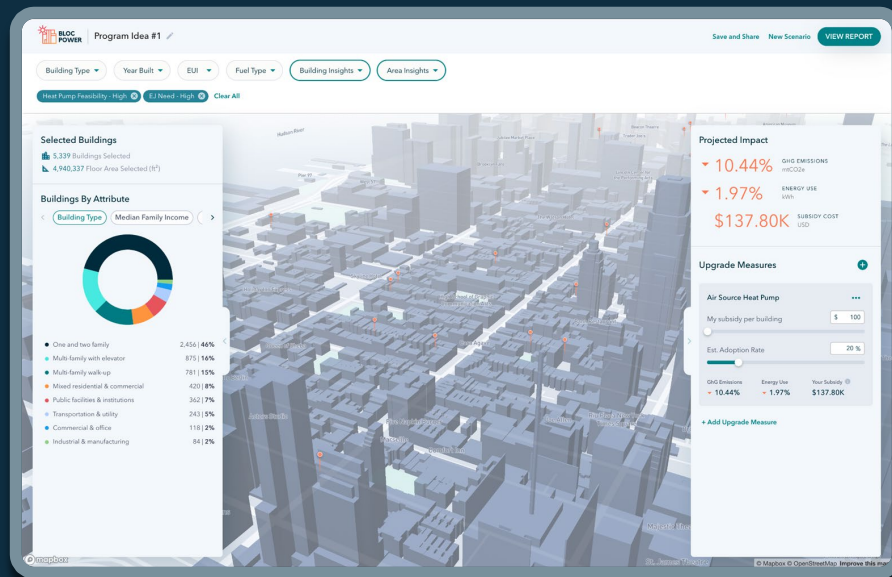




Getting Started Successfully

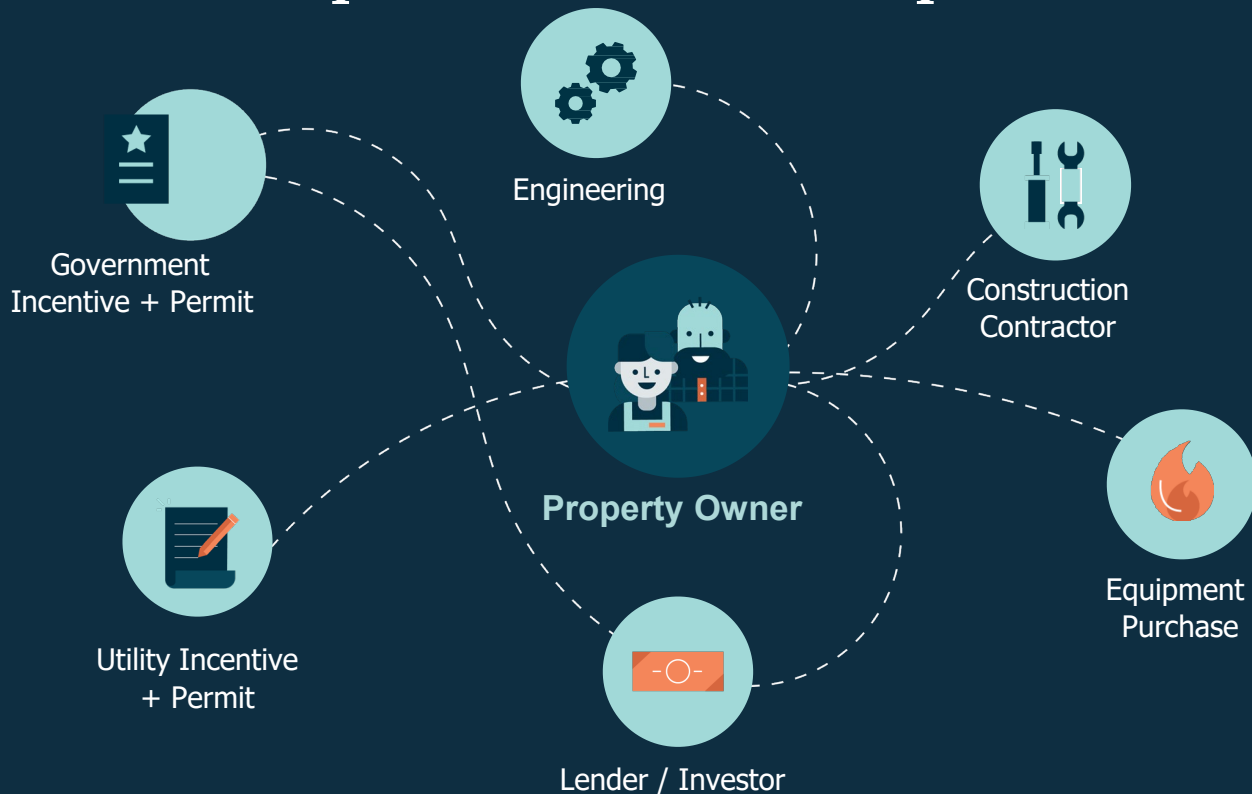
Pairing software with data and local insights support program success and enable scale

- Software built on public and proprietary data sets
- Building visualization tool for an entire community of buildings, allows cities, utilities, and private building owners to view each building's energy efficiency score within a community
- Use Targeting Scores and Program Design Tool to identify buildings that meet program climate and environmental justice goals, design incentive packages, and simulate impact





The Problem - To decarbonize, property owners must hire 6+ parties across multiple industries...



The Solution - Turnkey Projects



What We Do:

Healthier, Greener, Smarter Buildings From Start to Finish

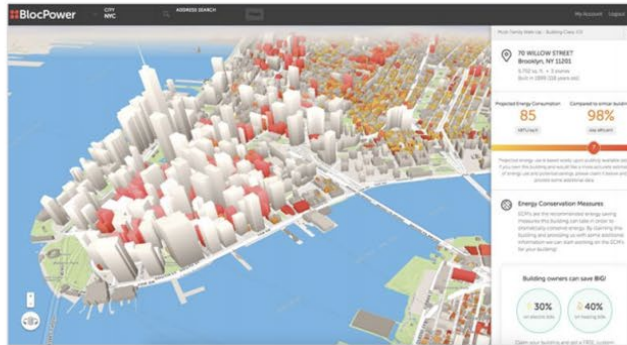
Acquisition

Analysis

Finance

Installation

Performance



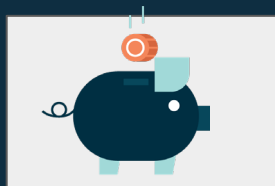
Our platform uses cloud, machine learning, mobile, IOT to reduce multi-nodal transaction costs

Energy Planning: Scope, Budget and Timeline



Assessment of existing conditions and decision making

- **SCOPE:** Hire professionals to identify opportunities to decarbonize and electrify building(s)
- **BUDGET:** Hire professionals to estimate project costs, savings, available incentives, rebates and tax credit, financing options





Project Analytics Platform: A Power Tool

- Questionnaire

A questionnaire designed to collect site specific information, evaluate the feasibility of the decarbonization project for the site, and auto-generate a client-facing report

- Utility Data Analysis

Automatically fetch and analyze utility data to estimate savings

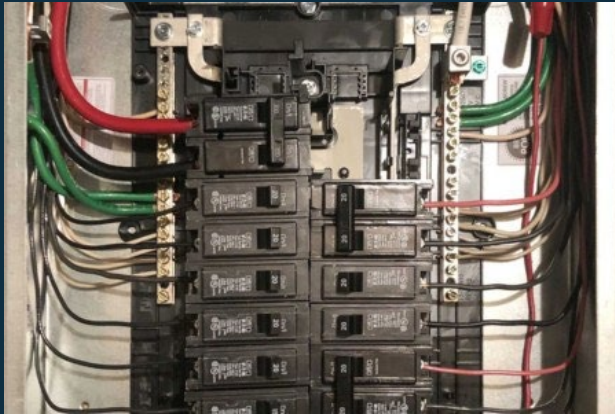
- EnergyPlus Integration: Whole Building Energy Simulation Software. Fully integrated simulation tool to help us understand building energy needs



If “Now” is not a Good Time to Electrify: Prepare for it!



- Best opportunities are at HVAC systems end of life
- Preparing for decarbonization



Electrical panel and service upgrade



Building envelope upgrades



Electrification-As-a-Service

Features:

- 15-year lease contract
- Customer payments targeted to savings
- Low 1% annual escalation in payment
- Full guarantee on equipment and service
- Maintenance costs included for 15 years
- Purchase, renew or remove options at end of term
- No lien on underlying property

Benefits:

- No upfront capital needed to take action
- Easy entry to learn about unfamiliar technology
- System guaranteed to function for customer



Thank You!

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