

# Building Decarbonization and Electric Vehicle Charging Equipment Workshop

## Panel #2: Tools and Resources

Dom Lempereur, Chief of Engineering

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[dom@blocpower.io](mailto: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.

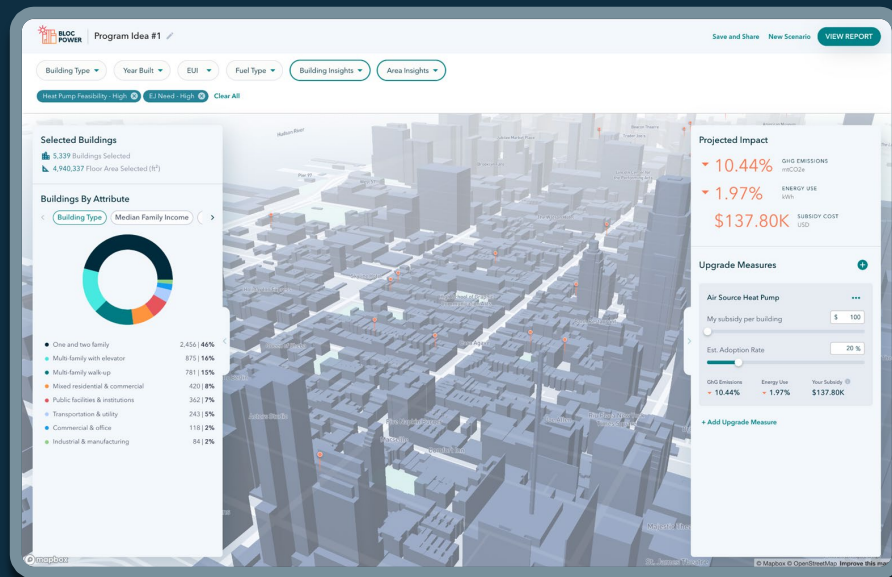




# Getting Started Successfully

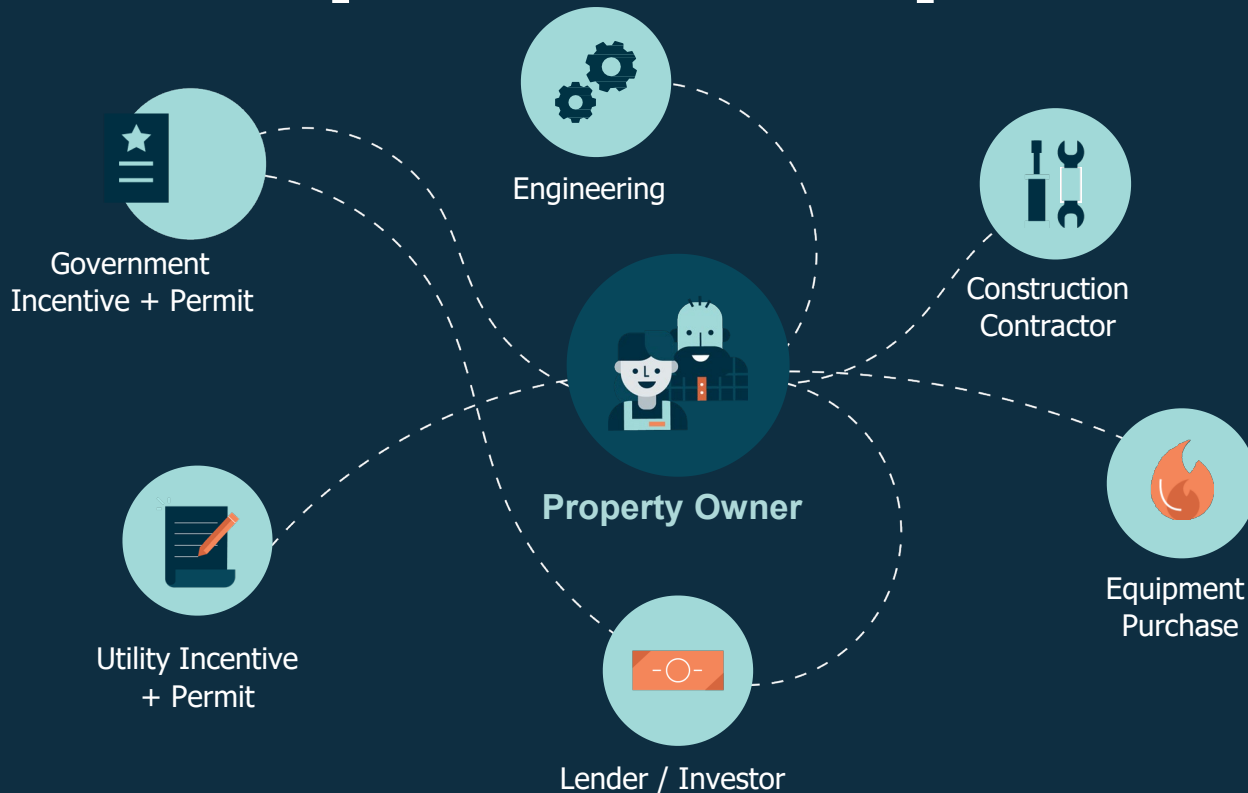
Pairing software with data and local insights support program success and enable scale

- 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...

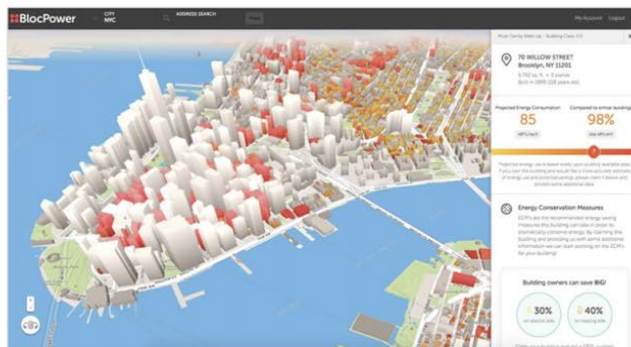
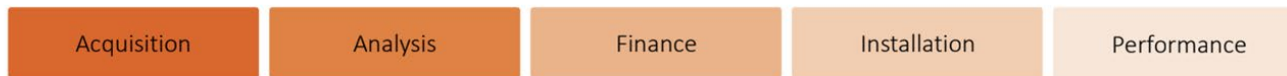


# The Solution - Turnkey Projects



What We Do:

Healthier, Greener, Smarter Buildings From Start to Finish



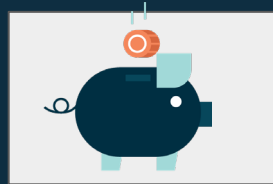
Our platform uses cloud, machine learning, mobile, IOT to reduce multi-nodal transaction costs



# 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

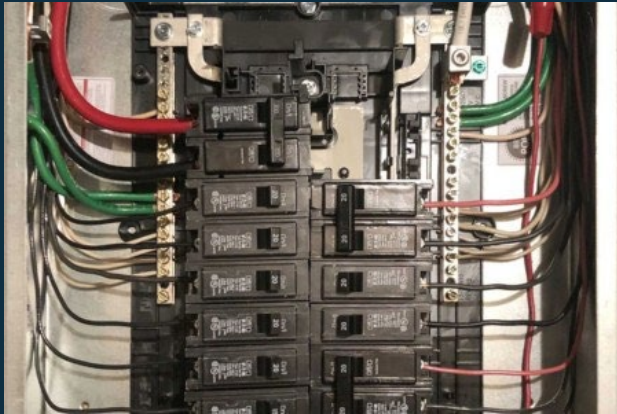
- **EnergyPlus Integration: Whole Building Energy Simulation Software.** Fully integrated simulation tool to help us understand building energy needs



# 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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