

**BLOCKENERGY**  
SMART PLATFORM

A CLEANER AND MORE RESILIENT POWER SYSTEM  
FOR COMMUNITY DEVELOPMENTS



## EMERA AT A GLANCE

We are a team of experts focused on safely delivering cleaner, affordable, and reliable energy to our 2.5 million customers in Canada, the US, and the Caribbean. With our proven strategy and portfolio of high-quality regulated utilities, Emera is well-positioned to continue to deliver for our customers, while also providing our shareholders with long-term growth in earnings, cash flow, and dividends.

**\$33B**

Assets<sup>1</sup>

**68%**

US earnings<sup>2</sup>

<sup>1</sup> As of September 30, 2021

<sup>2</sup> As of December 30, 2020

**\$5.5B**

Revenues<sup>2</sup>

**95%+**

Regulated<sup>1</sup>

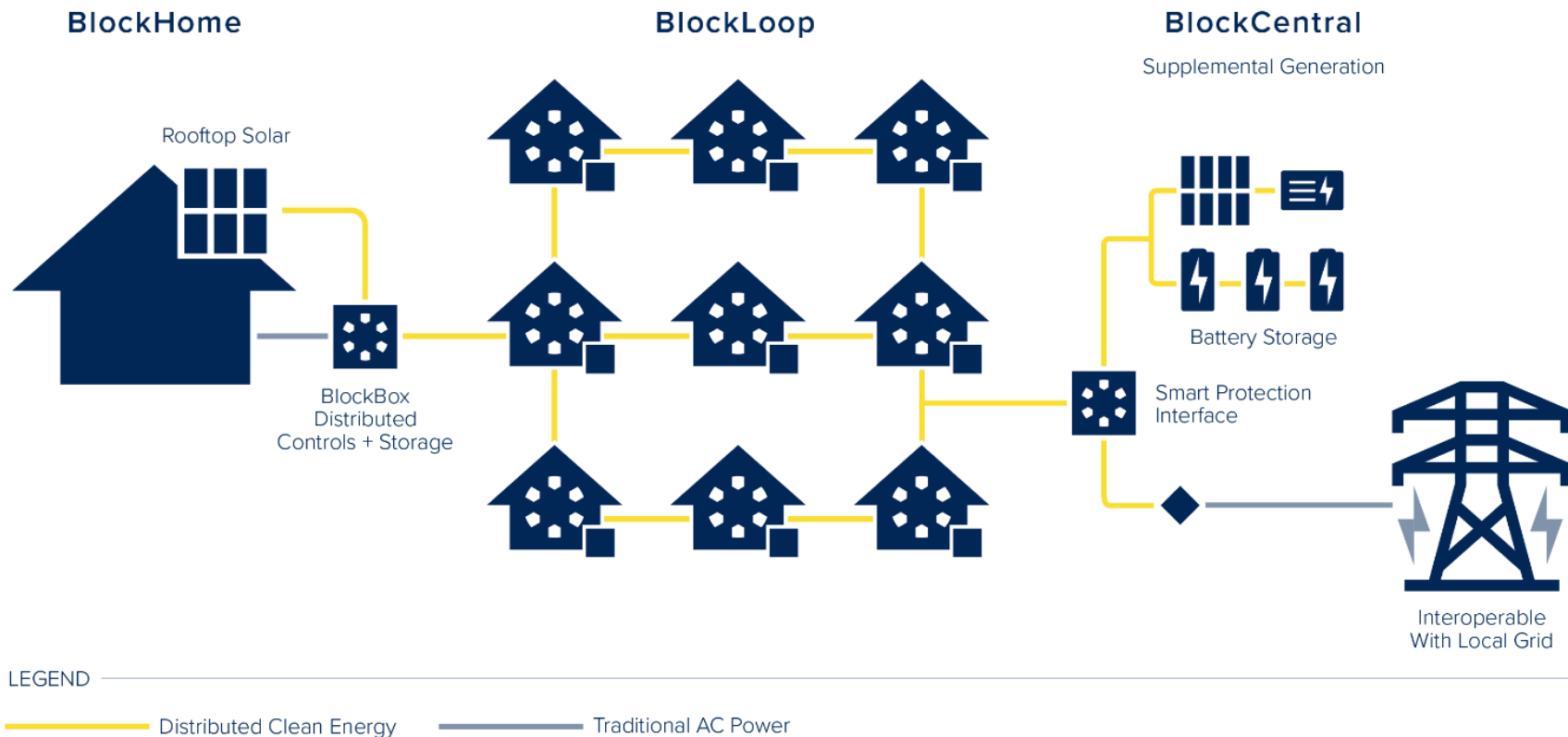
- Tampa Electric, part of the Emera family, has a proud history of delivering reliable, innovative and affordable energy solutions for customers. New technologies are opening transformational opportunities in the energy landscape.

- Emera Technologies was launched to capitalize on these opportunities and developed BlockEnergy microgrids as clean and resilient local power systems for communities.





Introducing BlockEnergy, a distributed energy platform that is **owned by utilities and can be rate-based**, with high levels of renewables and superior resilience. Utilities can now offer communities a **local renewable energy system** that brings them solar energy and storage at their home, while remaining a grid asset. Its smart distributed controls make it **easy to scale**. BlockEnergy can **operate independently of the Grid, or act as a Grid resource**. It's **data rich** digital platform integrates seamlessly into existing SCADA systems and its design aggregates hundreds of rooftop solar connections into a single point of common coupling.



# RESPONSIVE TO STATE ENERGY GOALS

Opportunity To Serve ALL Individuals in ALL New Communities With Distributed Generation That Is More Resilient, Renewable & Integrates into the Grid Effectively

**GREATER RESILIENCE  
TO WEATHER EVENTS**

**NO BURDEN TO  
INDIVIDUALS**

**INTEGRATES DERS INTO  
EXISTING GRID  
SEAMLESSLY**

**SUPERIOR  
COMMUNITY  
RELIABILITY**

**SERVES EV LOAD**

**GRID VISIBILITY & ADDED  
GRID BENEFITS**

**HIGHLY RENEWABLE**

**HASSLE-FREE**

**ALLEVIATES  
TRANSMISSION PRESSURES**

<sup>1</sup> National Association of Home Builders

<sup>2</sup> Assumes 8 kW of solar added to all roof tops of single-family homes

# NM Air Force Base



## Proof of Concept: Kirtland Air Base

The Kirtland Air Force Base project is a demonstration project that was designed and installed in collaboration with the Air Force Base (US DOD) and Sandia National Laboratories (US DOE) under a cooperative research and development agreement (CRADA). The project has been in operation since commissioned in 2019. Kirtland continues to serve as a platform for continuous development of the BlockEnergy technology platform with ongoing testing and evaluation.

**2019**  
Installed

**26**  
Months of Operations

**200 kWh**  
Battery Storage

**100 kW**  
Rooftop Solar

# SouthShore Bay, Tampa

## Residential Pilot: Lennar Homes

Lennar Homes Southshore Bay Pilot has provided BlockEnergy market profile and allowed utility and homeowner contractual terms to be tested. The pilot has been approved by the Florida Public Service Commission, including approval of the utility ownership of a residential microgrid. This pilot demonstrates our ability to seamlessly install the system within a residential development at the time of construction and our ability to integrate our system within a utility's SCADA system for microgrid visibility and dispatch.

**Q2 2022**

Commissioned

**37 / 37**

Homes Sold to Date

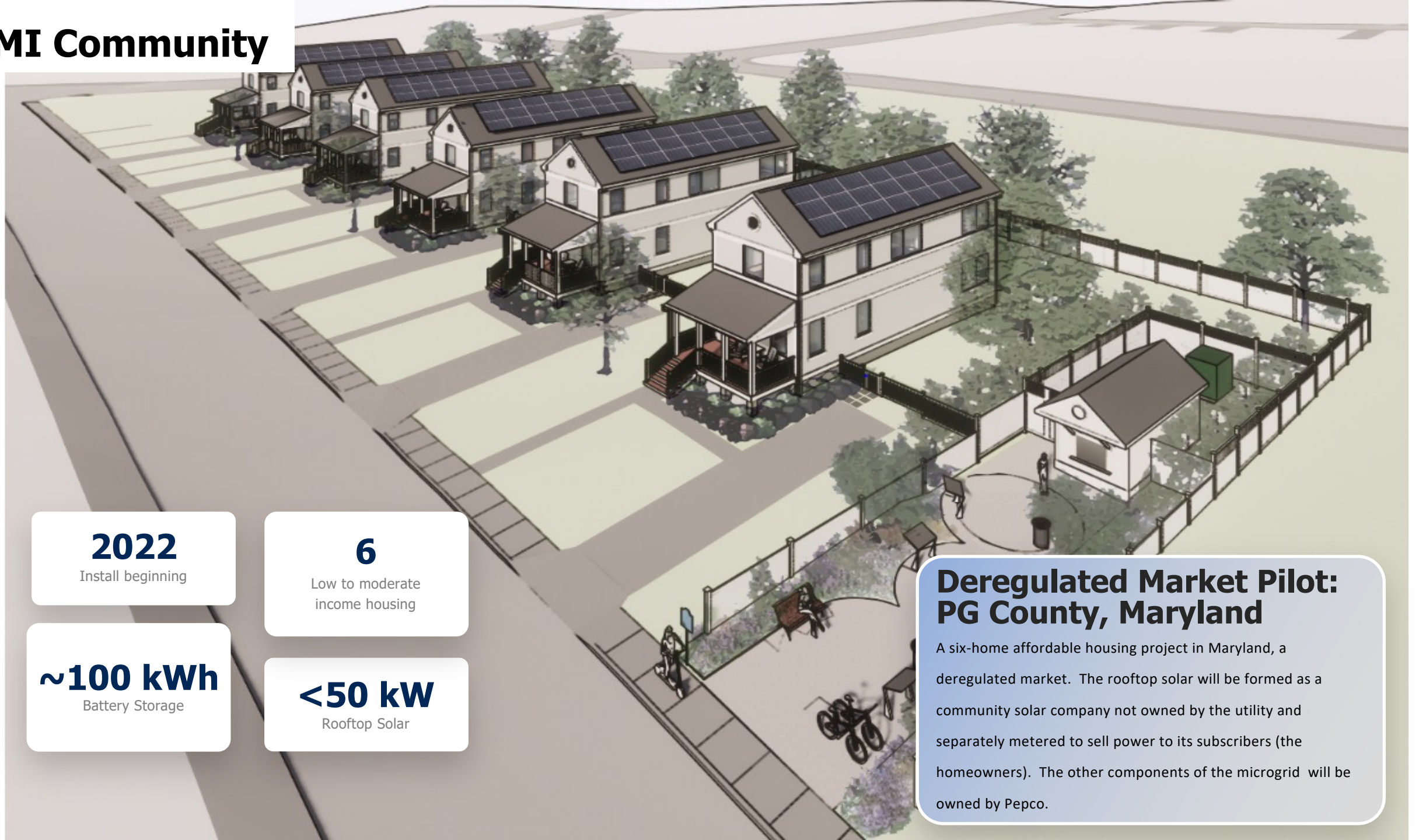
**900 kWh**

Battery Storage

**300 kW**

Rooftop Solar

# LMI Community



**2022**

Install beginning

**6**

Low to moderate  
income housing

**~100 kWh**

Battery Storage

**<50 kW**

Rooftop Solar

## Deregulated Market Pilot: PG County, Maryland

A six-home affordable housing project in Maryland, a deregulated market. The rooftop solar will be formed as a community solar company not owned by the utility and separately metered to sell power to its subscribers (the homeowners). The other components of the microgrid will be owned by Pepco.



2021 AEIC Achievement Award  
(Tampa Electric for BlockEnergy Pilot)



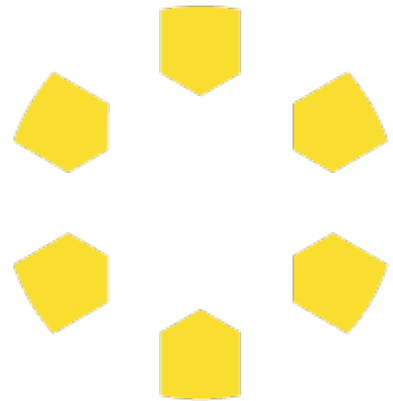
**Smart  
Electric  
Power  
Alliance**

Regulatory and Business Innovation  
Power Player of the Year



2021 World Changing Ideas Energy Finalist





**THANK YOU**

Rob Bennett

CEO Emera Technologies