

MICROGRID KNOWLEDGE™

2023 CONFERENCE

LIGHTS ON!

May 16-17, 2023 | Anaheim, CA

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MICROGRID
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Cuyahoga County Compass Energy Platform

Cuyahoga County Microgrid Utility

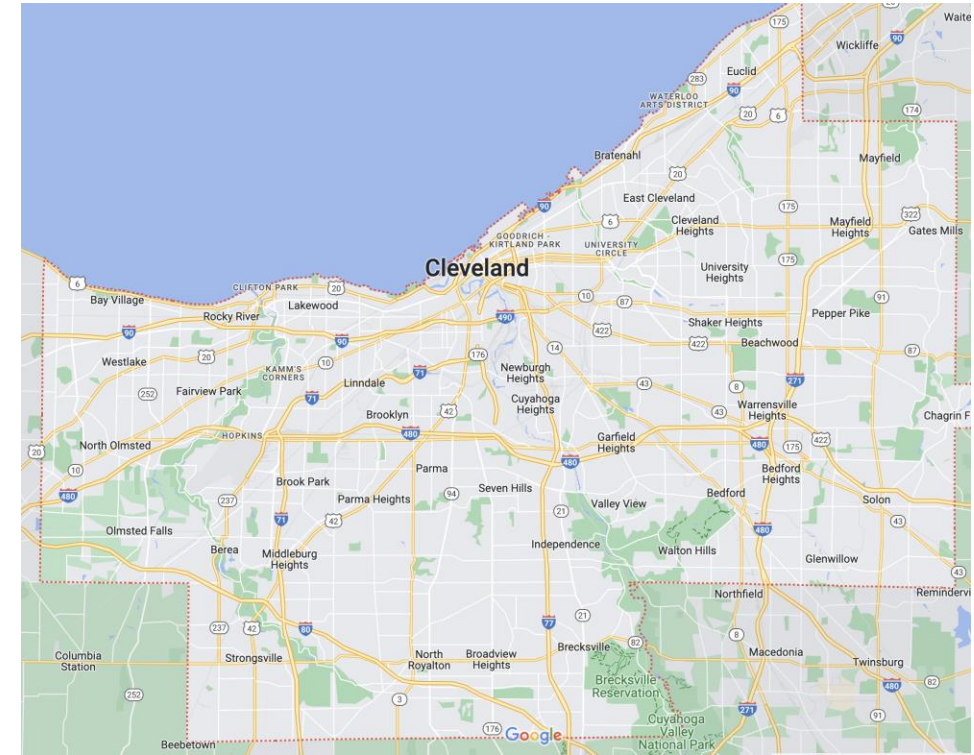
May 16, 2023



COMPASS
Energy Platform

Cuyahoga County

- Legacy Midwestern region.
- Manufacturing soul.
- Climate impacts:
 - Warmer (30 year increase 1 degree)
 - Wetter (30 year increase 5.6 inches)
 - Wilder (30 year increase 16.6%)
- Safer than other areas of the Country.
- Great Lakes: 20% of global fresh water.



- “Charter county” right to establish Utility outside of state regulatory reach.
- Cuyahoga Green Energy
- Focus on innovation, community resilience, climate change mitigation and adaptation.
- Starting with agreements with six County municipalities.
- Through competitive bidding, Compass Energy Platform engaged as Utility Partner to finance and accelerate the development of Utility and its projects.



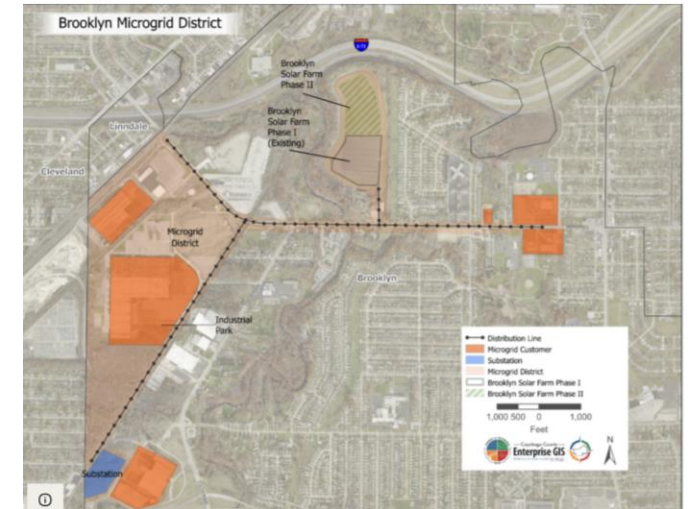
Initial Projects

BROOKLYN, OH

4.5 MW solar, 4.5 MW BESS, 6 MW gas
C&I, municipal, residential load
Project cost: \$50M - \$70M

EUCLID, OH

7 MW solar, 7 MW BESS, 7 MW gas
C&I, municipal, residential load
Project cost: \$70M - \$90M



Innovations and Challenges

First microgrid utility in the United States.

Model for other municipalities.

Complete independence from the local distribution utility.

Public private partnership; projects financed and owned by third party.

No upfront cost or risk to County.

Will connect directly to the transmission grid.

Multi-customer microgrids with community focus; PPA revenue.

Alignment with larger County economic development initiatives.

Large scale, new underground distribution lines.

Inclusion of municipal load.

Inclusion of low-income community load.



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