



Cuyahoga County Leading by Example

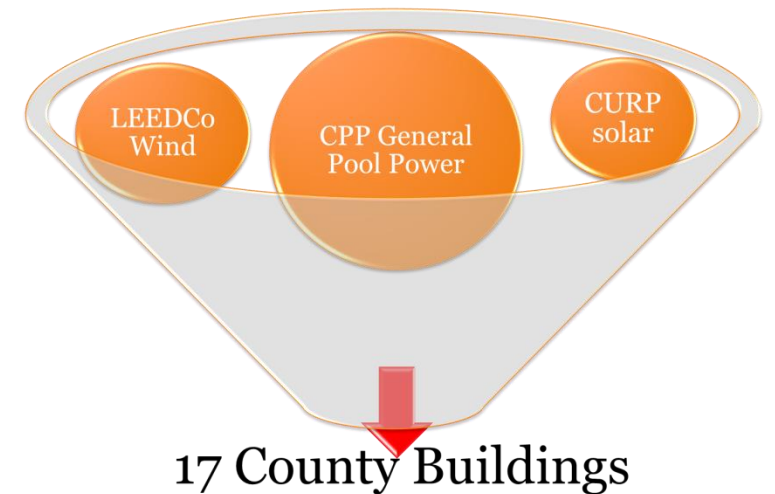
**Leveraging Purchasing Power to Support
Locally Made Clean Energy, R2016-0137**

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Overview

- Long Term Agreement with Cleveland Public Power
 - Initial Contract for 10 years
 - Expectation to extend longer
- Provide electricity to 17 County Buildings
- Power would come from 3 main sources
 - LEEDCo Project Icebreaker
 - CURP – landfill/brownfield solar arrays
 - Remainder – CPP pool power
- Cash flow positive





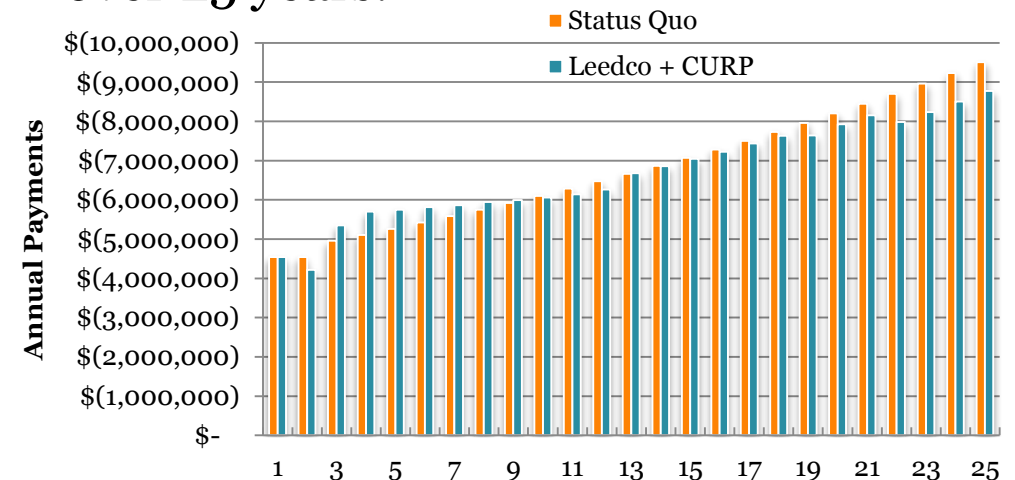
Status Quo Rates vs LEEDCo/CURP/CPP Rates

Status Quo – Business as Usual

- **\$0.1408 cents per Kilowatt-Hour annualized average**
- **\$170,081,555 over 25 years**
- Over the past 40 years, rates have increased at approximately 3.9% annually, we conservatively modeled 3% increases.
- Utilities currently requesting large distribution rate increases.

LEEDCo / CURP / CPP

- **\$0.1389 cents per Kilowatt-Hour annualized average**
- **\$167,750,686 over 25 years**
- County estimated to save **\$2,330,869** over 25 years.





Environment/Climate/Health

- For the last 18 months, starting May 2015, we've had the hottest months on record
- More extreme hot days, high ozone days – asthma / heart disease
- A threat to water quality in Lake Erie, warmer water = higher risk for algal blooms, etc
- Increase in severe, intense storms—like August 2016 Northeast Ohio storm – weather on steroids





LEEDCo + CURP Benefits the Environment

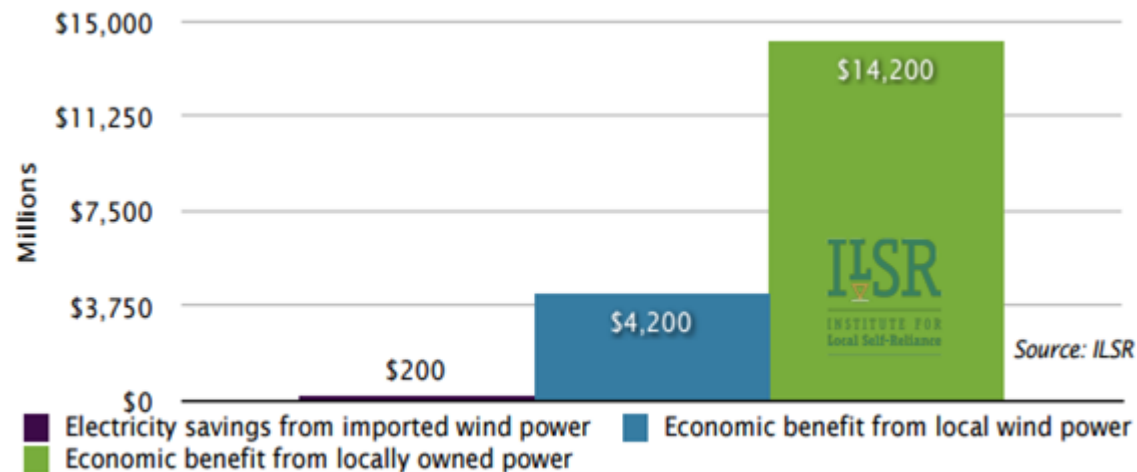
- 67% of electricity in the US is generated by burning fossil fuels – 80% in Ohio
- Fossil fuels are the leading cause of climate change.
- Putting more renewables into the grid means cleaner air, water and soil.
- LEEDCo pilot project 6 Wind turbines. 21MW's of power. If all goes well great expansion.
- CURP 4 MW's of power initial phase. Over 35 capped landfills in Cuyahoga County.





Why Localize Clean Energy

of jobs and economic returns for communities are ***substantially higher*** when electricity generation from wind and sun can be captured by local hands





LEEDCo/CURP Makes Economic & Workforce Sense

- Hedge against fuel volatility
 - Renewable energy resources do not require purchased fuel, the operating costs over time are highly predictable, as opposed to fossil fuel markets
- Long-term fixed prices/contracts. Fossil fuels are based on short-term markets.
- For solar, costs have decreased, coupled with rising electricity costs and low interest rates, on-site generation is more economical
- Stable distribution rate with CPP



LEEDCo + CURP Workforce

- **CURP**
 - Workforce & Contracting Goals
 - A min. 15% MBE, and 8% SBE participation
 - Economic Inclusion Workshops required
 - Local content preference
 - Locally sourced materials, subcontractors, and related services
 - Commitment to County prevailing wage requirements
- **LEEDCo**
 - Requirement to enter into Community Benefits Agreement with City/County input
 - Committed to using local supply chain – Great Lakes Wind Network
 - Commitment to prevailing wage requirements





Summary

- We need to buy electricity for our buildings.
- This is a way to use our purchasing power to do good things...
 - Locally made wind and solar
 - Turning landfills into greenfields
 - Saving money