Microgrids, Resiliency, and Critical Infrastructure



Metropolitan Water Reclamation District of Greater Chicago

AEG Chicago Q1 Stakeholder Challenge: Critical Infrastructure & Resilience

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Metropolitan Water Reclamation District



Big Picture Questions:

- Why not take back our own energy fate here at home?
- Why rely on Washington, D.C.?
- How do we take advantage of our financial and regional strengths?
- What are we waiting for?





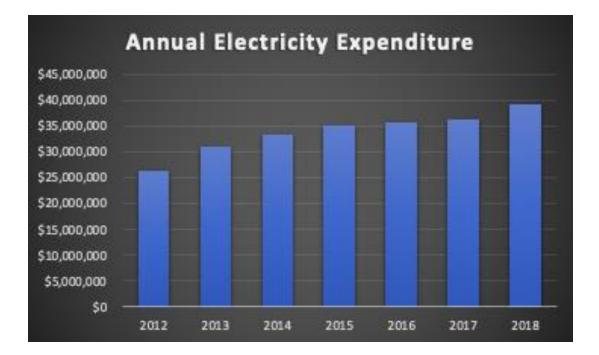


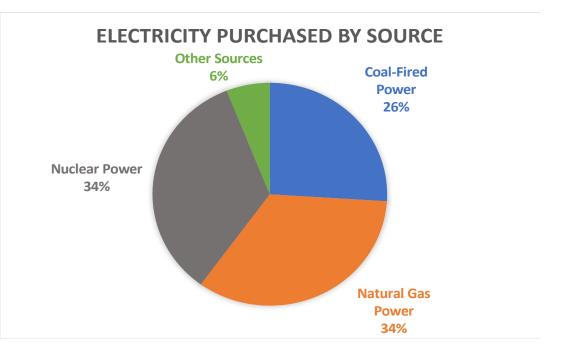
Background: METROPOLITAN WATER RECLAMATION DISTRICT

Mission: Protect the health and safety of the public, protect Lake Michigan water quality, improve water quality in watercourses, protect communities from flood damage.



MWRD Electricity Use







Challenge Basis

POTENTIAL Roadblocks

- Financing
- Cheap traditional energy sources
- Existing infrastructure
- New technology/process risks
- MWRD Policy
- Increased energy needs and demands over time

POTENTIAL Benefits

- Financing
- Increased cost savings to Cook County residents over time
- Environmental Justice
- Influence regional energy market transition
- Security and Resilience



CHALLENGE QUESTION Microgrids-Resiliency-Critical Infrastructure

Regarding resilience and the decarbonization of Chicago by 2050, we must address: How the Metropolitan Water Reclamation District can structure its energy use to support regional decarbonization.

