



AEG New York Stakeholder Challenge: Buildings and Construction

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NYPA: A Legacy of Service for NYS Residents



1931 Power Authority Act:

"To give back to the people the waterpower which is theirs...It is my earnest hope that this is the forerunner of cheaper electricity for the homes and farms and small business people of the state."

Supporting Disadvantaged Communities

65%

of the total capital commitments

290K+

jobs supported through economic development contracts

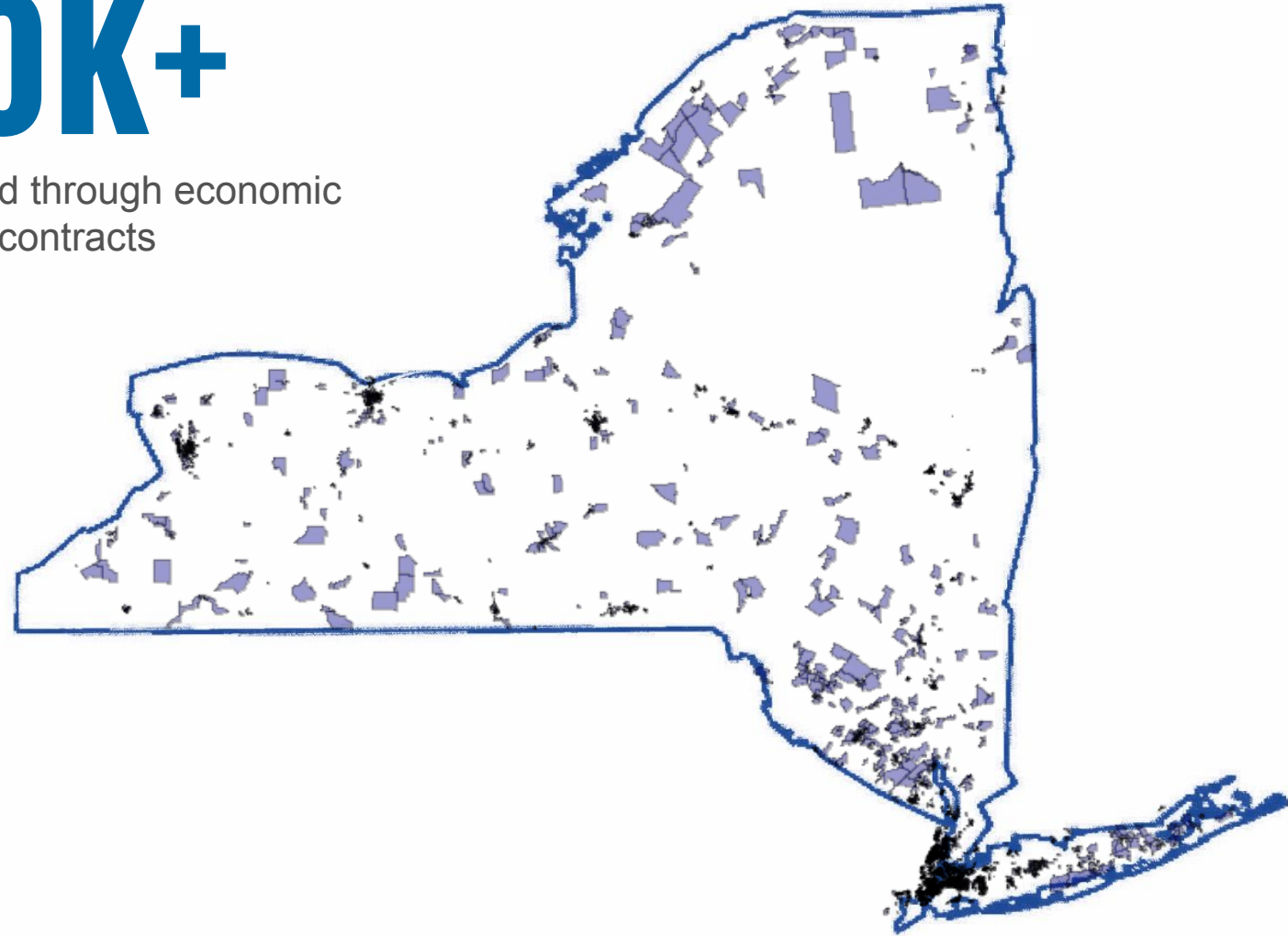


71%

of the total job commitments

\$12.1B

capital investment commitments through economic development contracts



Building on our Legacy

Implementing turnkey energy solutions for buildings including HVAC upgrades, boiler replacements, LED lighting, wastewater systems, elevator upgrades, solar + storage and much more.



Energy Efficiency Program



\$3.5 BILLION
Invested



*\$1.1 Billion in the past 5 years

Over **2,600**
projects implemented



Over 35 private sector implementation contractors

More than **\$289 MILLION** in annual savings



Year over year customer savings for reinvestment

Over **855,000 MT**
GHG Reduction



Equivalent of removing over 180K cars off the road annually

Reducing **270 MW**
of electric demand



Avoiding costly Generation and T&D investments

VISION2030



NY Power Authority

VISION

A thriving, resilient New York State powered by clean energy.

MISSION

Lead the transition to a carbon-free, economically vibrant New York through customer partnerships, innovative energy solutions, and the responsible supply of affordable, clean, and reliable electricity.

STRATEGIC PRIORITIES



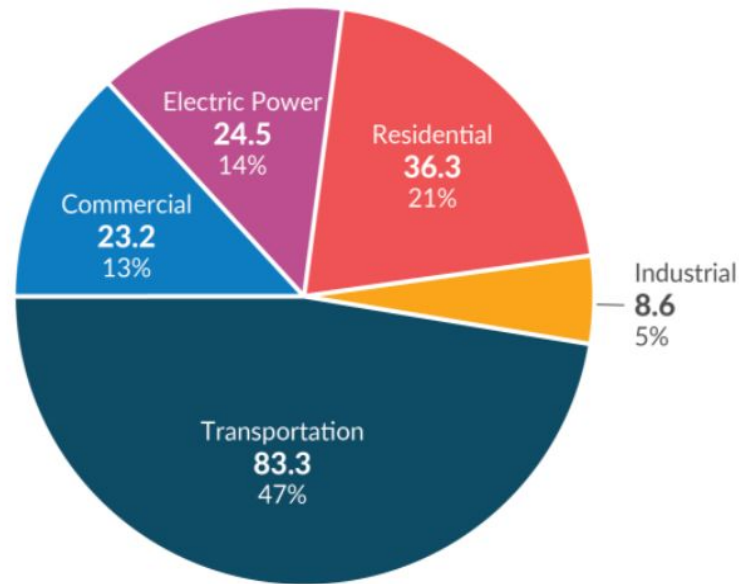
FOUNDATIONAL PILLARS



Driving Efficiency & CO2e Reduction in Multifamily Housing

- Buildings represent second highest contributor to GHG emissions in NYS
- Heating: typically highest single energy end use in multifamily buildings
- New electrification and efficiency technologies increasingly modular and opportunity exists for upgrades at HVAC end of useful life

Figure 1: Total New York State Emissions by Sector, 2018
(million metric tons of CO2 and share of total emissions)



Source: U.S. Department of Energy, Energy Information Administration, "State energy-related carbon dioxide emissions by sector" (accessed October 27, 2021).



Accelerating and Increasing Impact

- Shared mission to economically decarbonize our customers and communities equitably
- Strong stakeholder and customer engagement to work together to identify potential funding streams and financing options for eligible customers
- Opportunity to aggregate purchasing power and procurement acumen to pre-qualify vendors & secure fixed pricing for programmatic approach
- Real world successes in multi-building and multi-family turnkey implementations
- R&D resources and expertise for leading technology identification

Critical Obstacle to Overcome

To achieve NY's Carbon & Equity goals, a critical obstacle to collaboratively overcome within 12 months is:

- Animating the market by driving down technology costs through economies of scale and supporting development of competitive manufacturing capacity
- By creating a procurement and funding (e.g. federal fund applications, financing options) consortium to implement newly commercialized, cost-saving energy efficiency technologies for multi-family housing units in eligible communities