



NEW YORK CITY
HOUSING
AUTHORITY

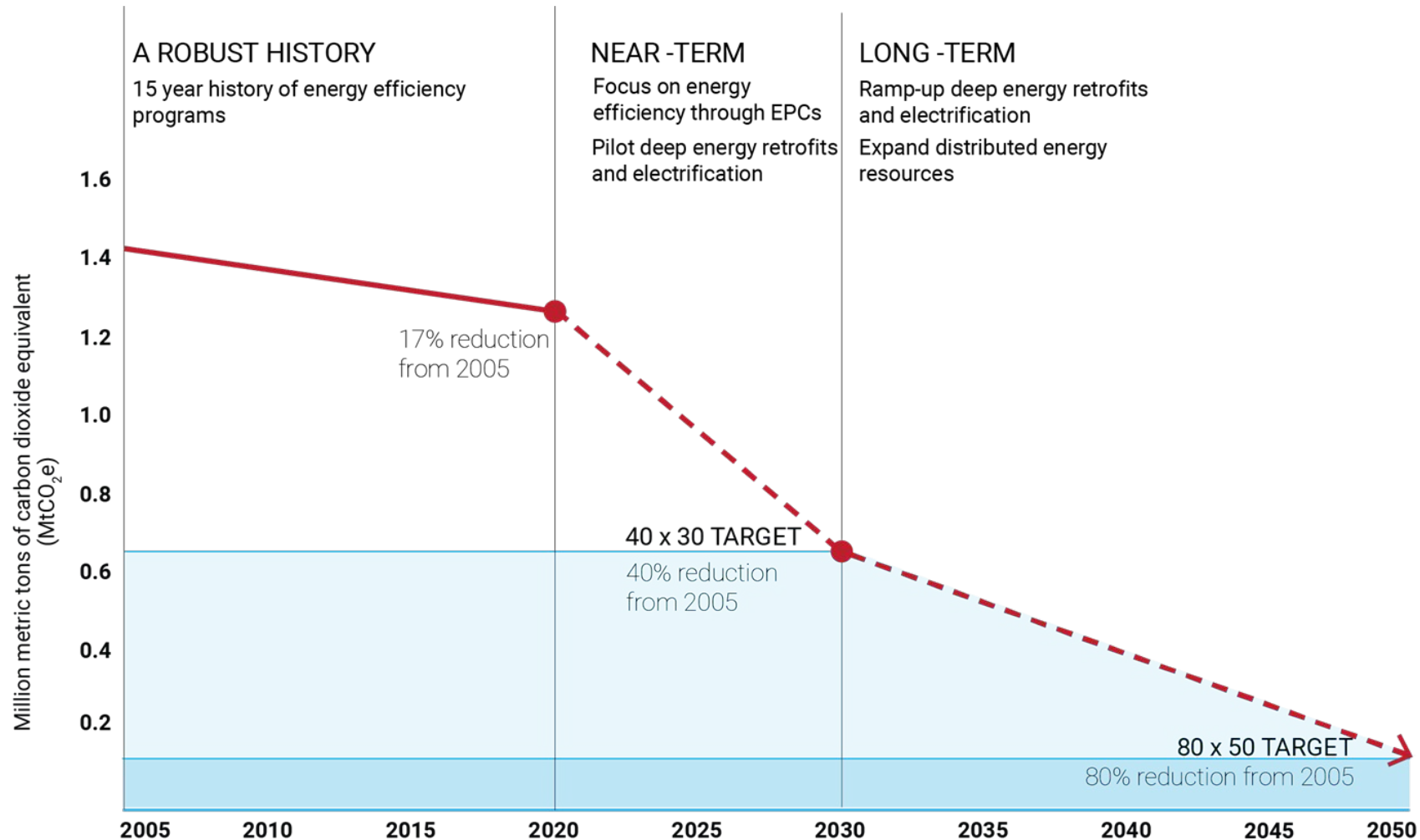
Building NYCHA Pipeline of Decarbonization Solutions

AEG New York 24Q2 Building Decarb Summit

Siobhan Watson, Senior Director, NYCHA Sustainability

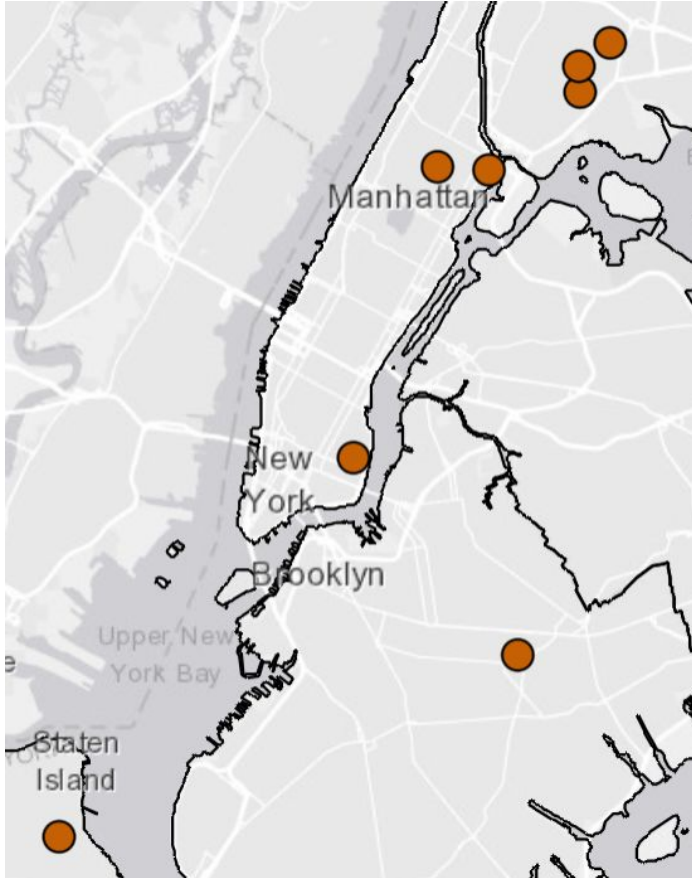
April 2024

Path to Decarbonization: Ongoing Work



- ❑ **Energy Performance Contracting** – \$300M across 72 sites
- ❑ **Early Electrification Successes**– whole building electrification at 830 Amsterdam and 1700 Hoe Avenue, increasing electrification as part of PACT program, heating plant upgrade program
- ❑ **Clean Heat for All** –Scalable solution for space heating across portfolio

Building Pipeline of Site-Specific Opportunities



**Geothermal Opportunities
Identified on NYCHA
Decarbonization Map**

- ❑ **Geothermal DHW Complete at Eastchester and Jackson Houses**
- ❑ **Feasibility & Design Work for Identified Geothermal Opportunities –**
 - EPRI-led design for geothermal for one site, funded by US DOE Community Geothermal grant
 - Feasibility study for additional identified sites
- ❑ **UTEN Proposal Participation**
 - Fulton Houses, Chelsea
 - Vandalia Avenue, Brooklyn

Challenge: Expand Thermal Energy Network Participation

- ❑ Question: Where might it be technically viable and financially feasible for NYCHA to join with neighboring energy users to continue expanding thermal energy network participation?

NYCHA would benefit from:

- Refining understanding of which campuses are most physically viable for future thermal energy network participation, such as distance to other energy users, availability of space on NYCHA campus to host energy infrastructure
- Developing new financial models to assist with both upfront cost and operational & maintenance needs

Benefits

- ❑ Decreased strain on grid from NYCHA electrification
- ❑ Any opportunities to generate revenue and/or pay for operations and maintenance needs of new systems create longer-lasting benefits for NYCHA residents



Final Statement

Regarding Building Decarbonization, to achieve New York Climate, Health and Equity goals under the CLCPA a critical obstacle to collectively overcome in 12 months is finding ways to make the incentives and grants available today create sustained benefit for vulnerable communities.”