



NYCHA Electrification Summit

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Recapitalization and Decarbonization Pathways

177,000 units

Public Housing Authority

90,000 units

- EPCs/WAP
- Community Shared Solar
- Pilot space heating and domestic hot water systems (VRF, GSHP, ASHP)
- Clean Heat for All Challenge
- Clean Energy Academy
- Pilot RetrofitNY
- Pilot battery + solar for critical loads
- Pilot micromobility charging infrastructure

Permanent Affordability Commitment Together (PACT)

62,000 units

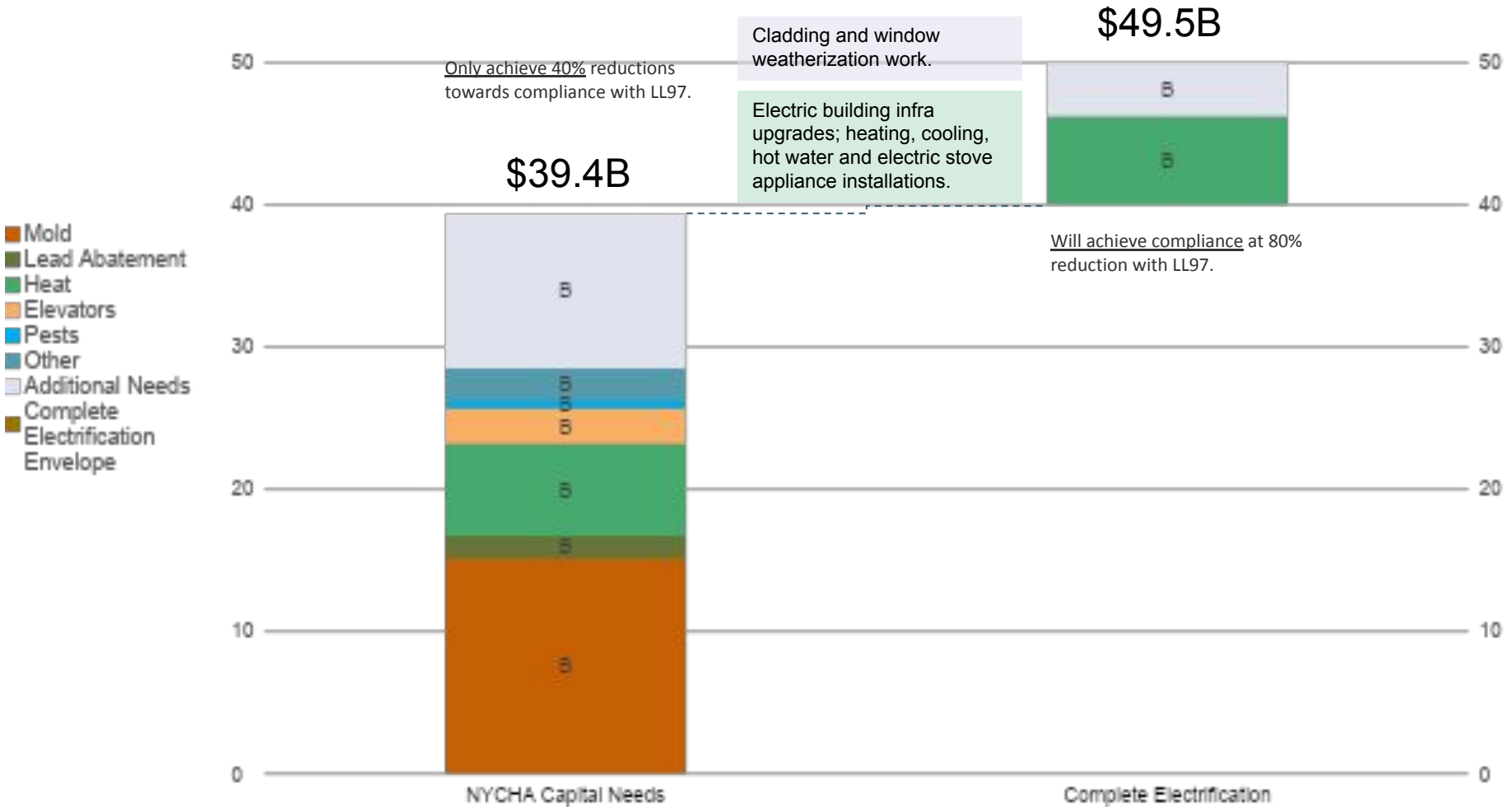
- Required to meet Enterprise Green Communities Standard
- Required deep energy retrofits & electrification analyses (WSP tool)
- Façade reclad + insulation
- Window replacements
- Space heating + hot water electrification where feasible
- Rooftop PV where feasible

Preservation Trust

25,000 units



NYCHA Capital Needs



NYCHA's Energy Aspirations

Building Management Systems (BMS)

Clean Energy Academy

Window Heat Pumps

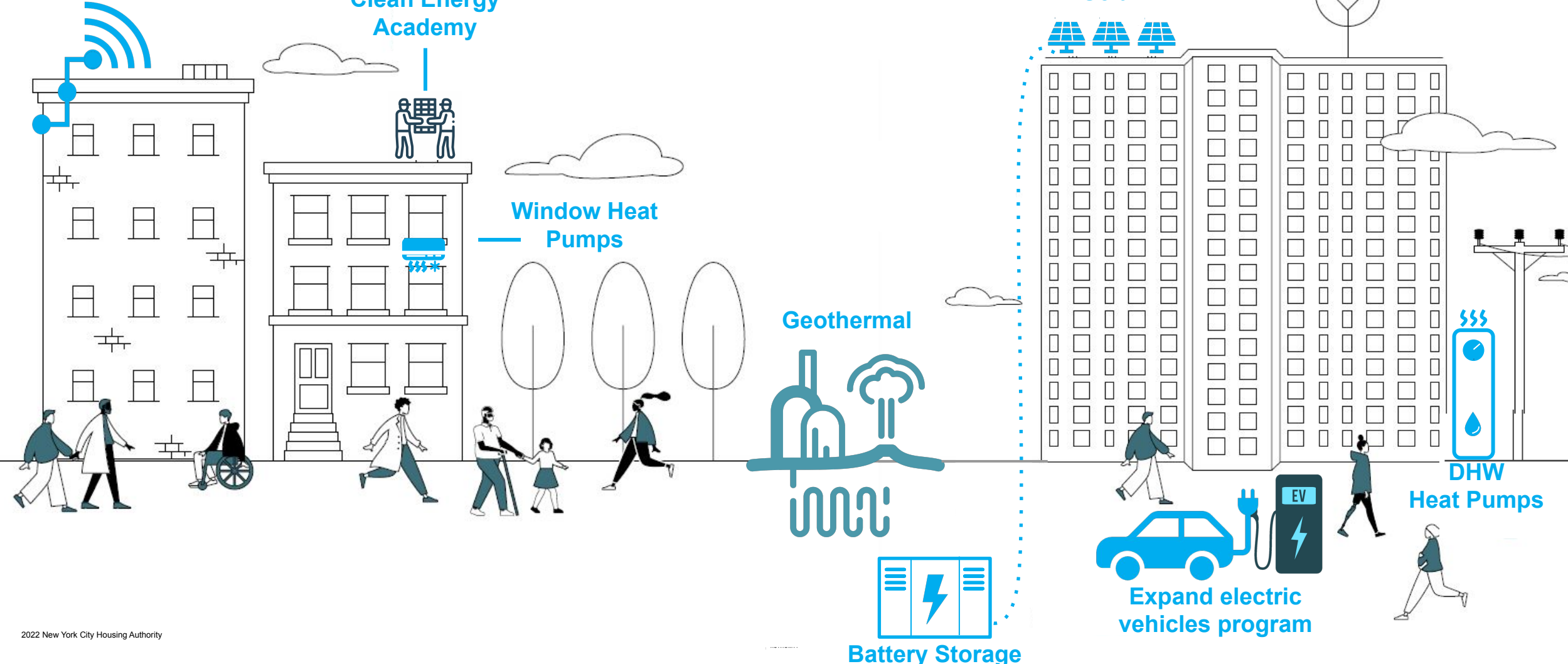
Rooftop Solar

Geothermal

DHW Heat Pumps

Expand electric vehicles program

Battery Storage

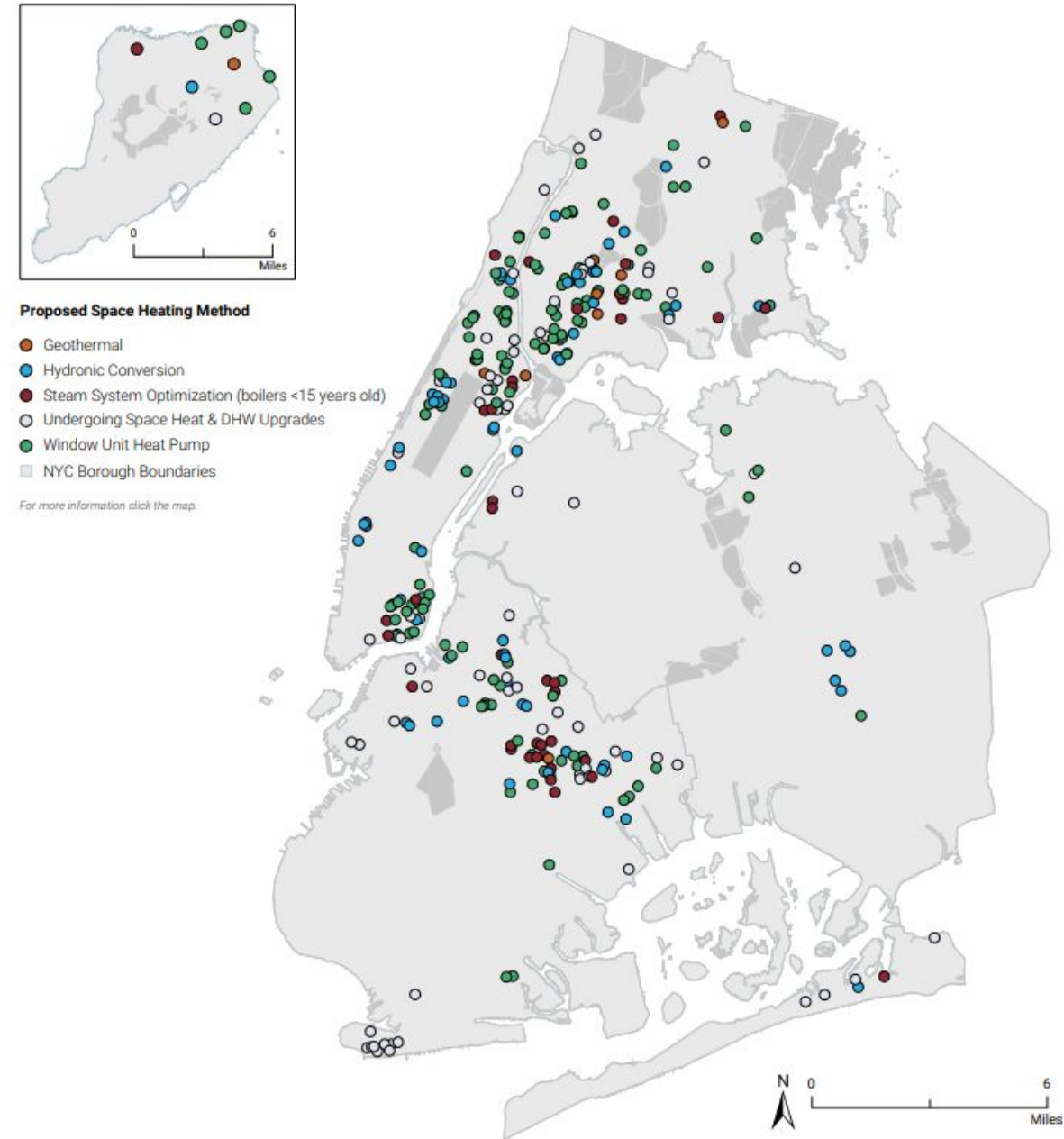


Path to Decarbonization

Recommendations

- **Geothermal** – 9 developments, 76 buildings
- **Hydronic Conversions** – 64 developments, 307 buildings
- **Window Unit Heat Pumps** – 122 developments, 801 buildings

NYCHA developments by proposed decarbonization method
Displayed by space heating measures



Urgency and Challenges

Urgency: NYCHA will not have another opportunity to recapitalize our buildings and communities at the scale we are able to do now for a long time. We can't waste this moment to make sure while we decarbonize NYCHA's assets, we create a way to maintain them into the future.

Challenge 1: Keep decarbonization scopes affordable and as extensive as possible, invest in scopes that will set NYCHA and its residents up for success.

Challenge 2: Leverage all potential financing and funding options. Make these options nimble so that they don't compromise goals in transition to PACT and Preservation Trust.

Challenge 3: Leverage decarbonization infrastructure in innovative ways to generate workforce opportunities and revenue.





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Thank you!

