



## **Building Bridges to Net Zero**



# **Energy Efficiency for All – New York**

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# Energy Efficiency for All NY - Partners

- Partners
  - Natural Resources Defense Council
  - Association for Energy Affordability
  - Pace Energy and Climate Center
  - WeAct for Environmental Justice (West Harlem Environmental Action)
  - Center for Working Families
  - Enterprise Community Partners
  - Green and Healthy Homes Initiative

# Energy Efficiency for All NY - Goal

Ensure housing and energy policies provide sufficient resources to advance investments in energy efficiency in affordable\* multi-family housing, which will combat climate change, improve public health, increase energy affordability and support environmental justice.

\*Affordable housing – Housing that is “affordable” because of either subsidies/government programs or because of market conditions



# Energy Efficiency Potential Study - Units

(Optimal Energy Study for NRDC/EEFA)

## AFFORDABLE MULTIFAMILY HOUSING UNIT COUNTS BY UTILITY, BUILDING SIZE, AND SUBSIDY TYPE

State	Utility	Buildings with 5-49 units			Buildings with 50 or more units		
		PHA	SA	UA	PHA	SA	UA
NY	New York State Electric & Gas Corp.	127	5,558	18,208	2,528	15,540	1,759
NY	Rochester Gas & Electric	168	2,808	12,953	2,465	16,111	2,135
NY	Orange and Rockland Utilities	0	1,006	8,565	281	6,137	926
NY	Niagara Mohawk	327	10,579	55,753	17,673	43,648	7,649
NY	Long Island Power Authority	40	1,460	11,889	8,021	21,941	11,473
NY	Con Edison of NY	0	24,417	622,874	159,059	235,970	365,290
NY	Central Hudson Gas & Electric Corp.	31	1,526	10,024	1,070	7,693	1,114



# Energy Efficiency Potential Study - Potential

- Total AMF housing units -- 1.7 million
- Energy Efficiency Potential:
  - Reduce electricity demand by 31% (2,513 GWh)
  - Reduce oil demand by 15% (5,271 BBTu)
  - Reduce gas demand by 18% (10,765 BBtu)

# Policy Arena – State & City

- New York “The Energy to Lead” (State Energy Plan) – by 2030:
  - 40% reduction in GHG
  - 50% of generation from renewable sources
  - 23% reduction in energy consumption in buildings (600 Trillion Btu)
- New York City “One City: Built to Last”
  - 80% reduction in GHG emissions from 2005 levels by 2050
  - 35% reduction in GHG emissions by 2025
  - Energy used in NYC buildings contributes nearly three-quarters of all citywide emissions; reports found multifamily buildings present the greatest energy savings opportunity
  - Implementing “Retrofit Accelerator” to help spur investment

# Reforming the Energy Vision (REV)

- Six objectives:
  - Enhanced customer engagement that will facilitate management of the total energy bill
  - Market animation and leverage of customer contributions
  - System wide efficiency
  - Fuel and resource diversity
  - System reliability and resiliency
  - Reduction of carbon emissions
- Met by:
  - Use of “distributed energy resources” (DER) – efficiency, demand response, solar, storage, etc.
  - Markets for DER paid for primarily with private capital (to be able to reduce current incentives)
  - Customer engagement and customers actively managing their energy use (and their bills)
  - New avenues for utility earnings with appropriate alternative regulatory structures, including new performance metrics (e.g., energy efficiency, affordability) and new rate structures (possibly demand charges, time varying rates)
  - Facilitated via a “distribution system platform ” (run by utility)

# REV-Related Proceedings

- **Reforming the Energy Vision** – overarching approach, utility regulation and distribution system platform implementation
- **Utility Energy Efficiency Transition Implementation Plans** – changes to efficiency programs
- **Clean Energy Fund/NY Green Bank** – rate payer collections for utility and NYSERDA programs
- **Community Distributed Generation** – to help renters or those without adequate on-site resources
- **Community Choice Aggregation** – to enable communities to aggregate their energy demand and contract with a supplier as well as develop their local renewable resources
- **Oversight of providers** – to adopt consumer protection requirements for providers of DER
- **Utility Low Income Programs** – potential changes to utility discount and arrearage programs



# Building Capacity/Engaging Players

## “Broader” Stakeholder Groups

- EEFA/NEWHAB network
- Clean Energy Organizations Collaborative
- RMI eLab LEAP
- PSC Consumer Advisory Council
- Government – state, city

## State Agencies/Authorities and Utilities

- Public Service Commission
- NYSERDA
- NY Green Bank
- Dept. Housing & Community Renewal
- Regulated Utilities
- Legislature

## “Local” Outreach

- Community-Based Organizations
- Housing Providers
- Building Managers/Property Owners
- Labor
- Efficiency and Renewable Providers



## Building Bridges to Net Zero



# Energy Efficiency for All – New York

Questions?

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