

AEG - Day 1

NY Net-Zero Building Challenge

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Susanne DesRoches

VP, Clean and Resilient Buildings
New York State Research and Development Authority



Climate Leadership and Community Protection Act (CLCPA)

Carbon neutral economy, mandating at least an:

- 85% reduction in emissions below 1990 levels by 2050
- 40% reduction in emissions by 2030
- 100% zero-emissions electricity by 2040
- 70% renewable electricity by 2030
- 9,000 MW of offshore wind by 2035
- 6,000 MW of distributed solar by 2025
- 3,000 MW of energy storage by 2030
- 185 TBtu on-site energy savings by 2025

Commitments to climate justice and just transition

Scoping Plan Vision for the Building Sector

By 2030:

- Majority of new purchases for space and water heating will be heat pumps
- One to two million homes and 10% to 20% of commercial space using them by 2030
- Hundreds of thousands of additional homes and commercial buildings becoming efficiently electrified each year

In 2050:

- Buildings sector sees 85% of homes and commercial building space statewide electrified
- diverse mix of energy-efficient heat pump technologies and thermal energy networks

Building Specific Recommendations:

- Adopt Advanced State Codes for New Construction & Standards for Zero-Emission Equipment
- Require Energy Benchmarking and Disclosure
- Scale Up Public Financial Incentives for Building Decarbonization

NYSERDA – Building Sector Offerings

FlexTech: Provides 50% cost-share of energy and emission reduction studies for Commercial, Industrial, Agricultural & Multi-Family Buildings and focuses on energy, indoor air quality and electrification

Clean Green Schools: Funding for under-resourced public schools to decarbonize building portfolio and improve indoor air quality. Program Budget \$59M available state-wide.

Clean Green Campuses: Program and membership network dedicated to advancing clean energy across New York's colleges and universities. Helps colleges identify strategies for reducing campus carbon footprint, provides access funding opportunities and resources, offers recognition for clean energy achievements.

Empire Building Challenge: Competitive funding for demonstration projects that illustrate repeatable pathways to phase out fossil fuel use and increase efficiency of existing large commercial and multifamily buildings. Please register to stay up to date on future competitive funding opportunities.



NYSERDA – Commercial/Industrial Sector Offerings

Consolidated Funding Application 2022 (2023 CFA launches in May)

Carbon Neutral Community Economic Development: \$12M awarded in 2022 round. Three competitive opportunities:

- Carbon Neutral Buildings: commercial, light-industrial, or mixed-use facilities, up to \$2M
- Carbon Neutral Communities: campuses, communities, or large-scale private developments or portfolios, up to \$2M
- Carbon/Emissions Reduction: Allowed state-wide funding awards, up to \$2M

Commercial Industrial Carbon Challenge: Competition for grant funding to support high impact emission reduction projects from large energy users:

- Process emission reductions, beneficial electrification, low-carbon fuel conversion, carbon capture, utilization and storage, energy efficiency, on-site renewables, awards ranging from \$500,000 to \$5 million



NYSERDA – Residential Offerings

EmPower +

- Combination of the EmPower and Assisted Home Performance program.
- Will have two tiers of incentives:
 - 100% up to \$10,000 for low income families (earning 60% State median income or less)
 - 50% up to \$5,000 for families earning up to 80% Area Median Income.
- Typical program measures include direct install measures such as lightbulbs, pipe wrap, and smoke detectors as comprehensive measures such as insulation, air sealing, and water and space heating.

Low Carbon Pathways for Multifamily Buildings

- Provides both affordable and market rate multifamily buildings incentives for installing low carbon building improvements.
- Incentives range from \$700 to \$5,000 per dwelling unit
- Projects evaluated on energy savings and cost, ease of implementation, solution performance and maintenance needs, tenant receptivity, etc.



Inflation Reduction Act Overview

**Home Energy
Rebates**
\$9B
U.S. DOE

**Energy Code
Assistance**
\$1B
U.S. DOE

**Clean Energy
Business Loans**
\$14B
U.S. DOE

**Energy Grid &
Industry**
\$9B
U.S. DOE

**Affordable
Housing**
\$1B
U.S. HUD

**Clean
Transportation**
\$7B
U.S. DOE

**Clean Energy
Tax Credits**
~\$277B*
U.S. Treasury

**GHG Reduction
Fund**
\$27B
U.S. EPA

**Enviro. Justice
Block Grants**
\$3B
U.S. EPA

**Rural Energy
Assistance**
\$12B
USDA

**Coastal Climate
Resilience**
\$2.6B
NOAA

**+ Other
Programs**
~\$7B
Various Agencies

*Congressional Budget Office (CBO) Estimated Budgetary Effects

Inflation Reduction Act – Residential Rebates

HOMES Rebate Program

- \$2000 up to 50% project cost for projects with 20-35% energy savings
- \$4000 up to 50% project cost for projects with more than 35% energy savings
- 2x incentives for income eligible households <80% median income

HEEHRA Rebate Program

- Prescriptive rebates for eligible energy efficiency and electrification measures including electrical service and wiring upgrades
- \$14,000 combined incentive limit up to 50% of project cost for households 80-150% median income and 100% of project costs for households <80% median income

Thank you!

Contact info:

Susanne DesRoches

Susanne.desroches@nyserda.ny.gov

Find a NYSERDA program:

<https://www.nyserda.ny.gov/All-Programs>