



# NY - G E O 2 0 2 4

October 22 -23 | BROOKLYN, NY



## Electrifying the Majority:

How do we move from early adopters to heat pumps for all?



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# Sustain a network of Regional Clean Energy Hubs

## Purpose:

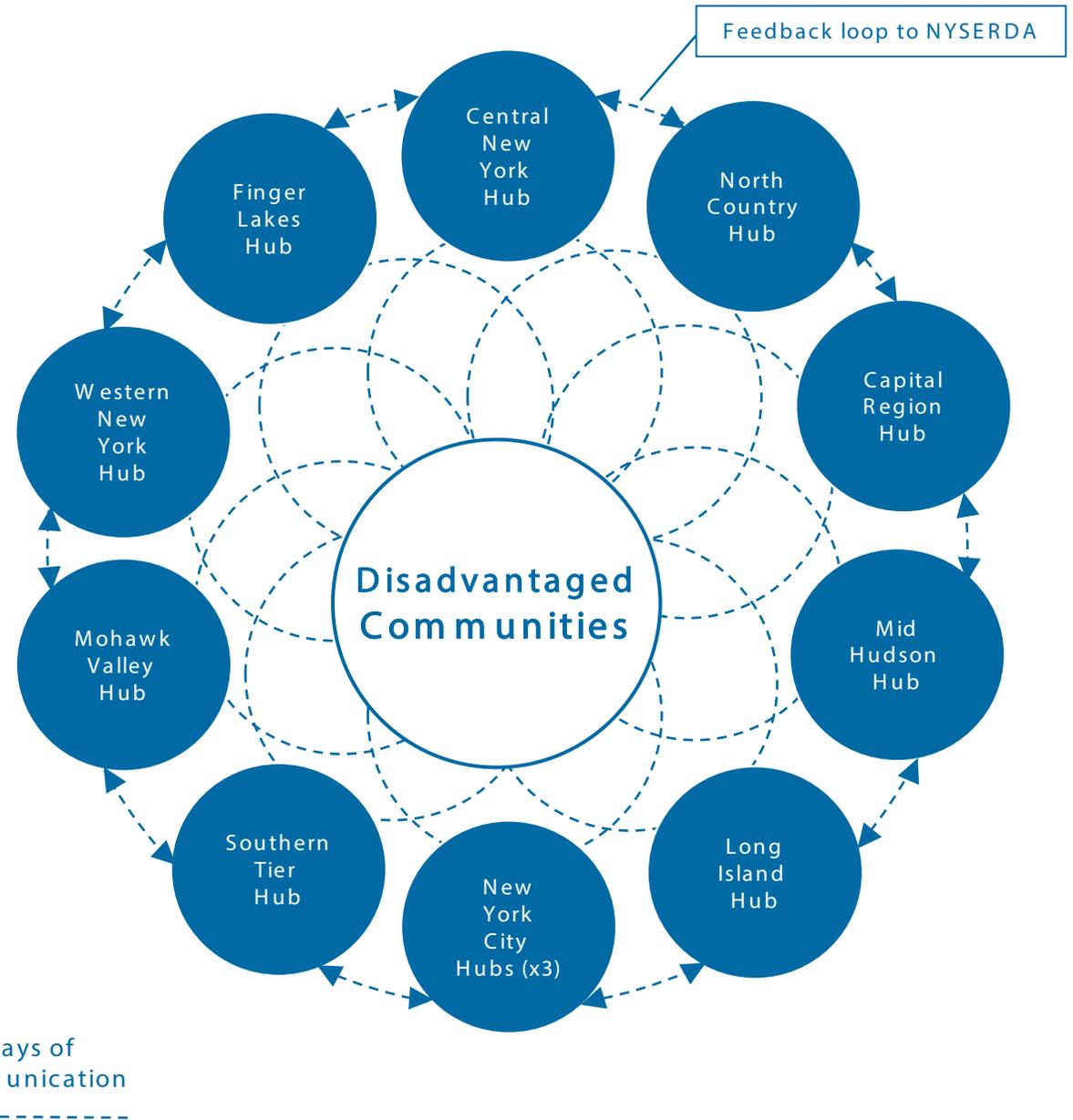
Resource hubs led by community-based organizations and located in each of the 10 regions in the State.

Provide a holistic, multifaceted approach including project coordination, marketing and outreach support, partnership building, and lead public education and engagement sessions.

## Outcomes:

New avenue established for ongoing feedback and engagement with DAC's.

Residents and businesses in DAC's meaningfully integrated into clean energy programs and policies.



# Foster engagement through the Energy Equity Collaborative

## Purpose:

Shared space for engagement and collaboration between those that serve and represent historically marginalized communities and NYSERDA, along with other State agencies as needed to advise on energy equity and climate justice issues and need for equitable programs

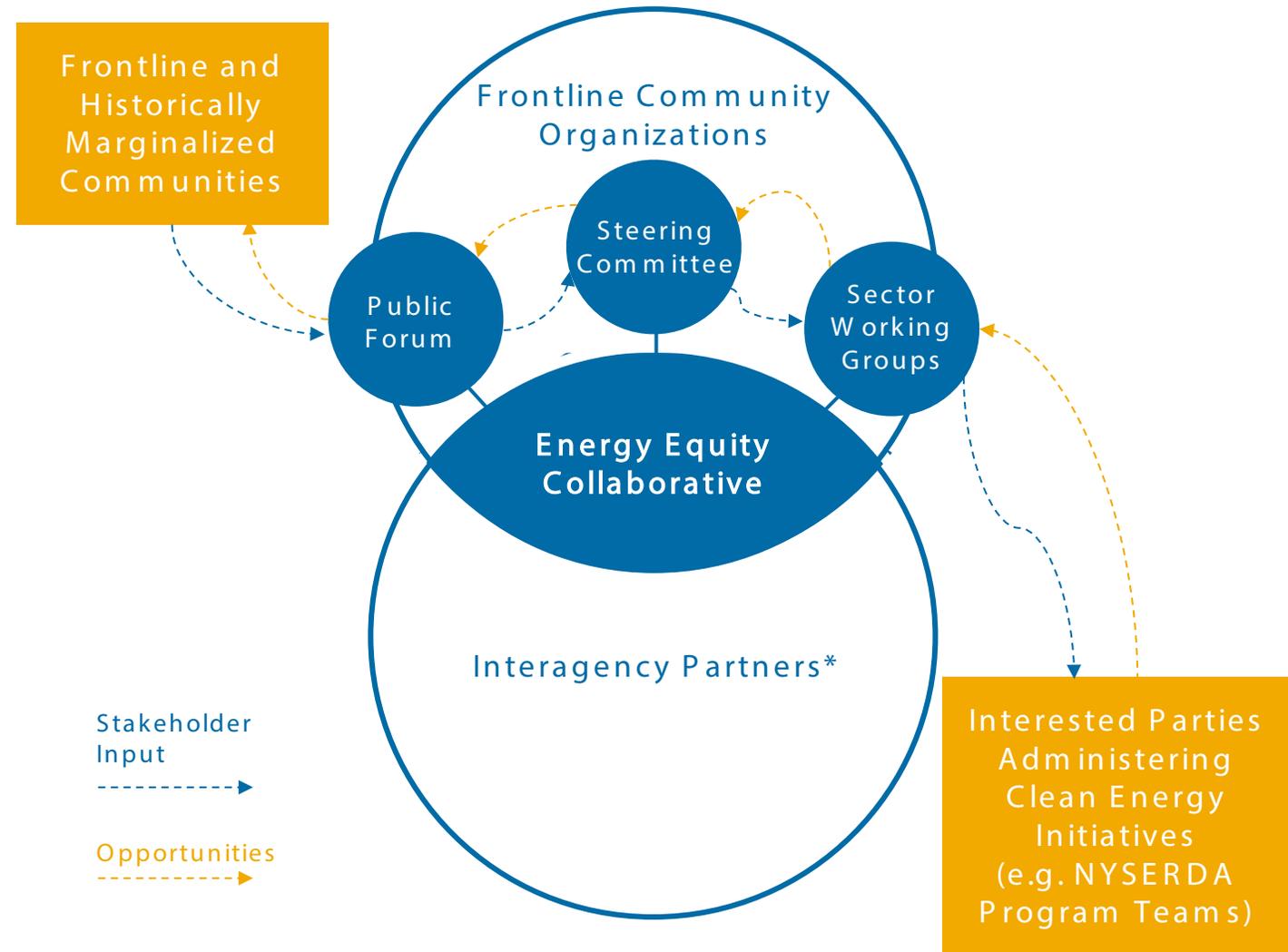
## Outcomes:

Alignment with DAC stakeholders on energy and climate equity opportunities at NYSERDA

Greater NYSERDA transparency promoted and direct engagement and messaging to CBOs

Identify cross-cutting issues and provide early-stage, high-level feedback on initiatives

Build DAC stakeholder knowledge and capacity to participate in and provide input into NYSERDA programs



\*Participating agencies include NYSERDA, DPS, OTDA, DEC, HCR, DOS, DOL, AGM, LIPA.

# Some Key Findings on the Barriers from Disadvantaged Communities Barriers & Opportunities Report and Ongoing Field Research

## Physical and Economic Structures and Conditions

Old, dilapidated building stock

Multifamily rental split incentives

## Financial & Knowledge Resources and Capacity Barriers

High cost of upgrades

Lack of training opportunities limit workforce/contractor pool

## Perspectives and Information Barriers

Lack of trust in program or service provider

Disinformation campaigns cause confusion

Language Communication

## Program Design and Implementation Barriers

Program eligibility constraints and application requirements may eliminate certain communities

# Key Highlights and Findings from Scoping Plan

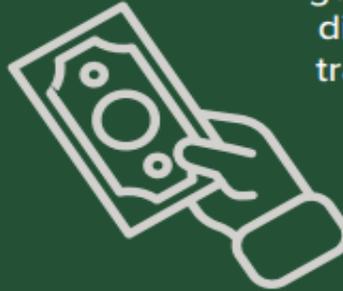
- **Achieving deep decarbonization is feasible by 2050:** Achieving the GHG emission limits requires action in all sectors, especially considering the Climate Act's GHG emissions accounting. Every sector will see significant transformation over the next decade and beyond, which will require critical investments in New York's economy.
- **Energy efficiency and end-use electrification are essential parts of any pathway that achieves New York State emission limits:** Approximately one to two million efficient homes must be electrified with heat pumps by 2030. Approximately three million zero-emission vehicles (predominantly battery electric) will be needed by 2030.
- **The cost of inaction exceeds the cost of action by more than \$115 billion:** The GHG emission reduction strategies result in improvements in air quality, increased active transportation, and energy efficiency interventions in low- and moderate-income (LMI) homes, which generate health benefits.
- **Create hundreds of thousands of jobs:** New jobs driven by Climate Act investments are estimated to outnumber potential displaced jobs by a ratio of ten-to-one in 2030, with as many as 211,000 jobs expected to be created in growing sub-sectors by 2030 and 318,000 by 2040.
- The jobs being created are good paying and family-sustaining.
- New York will undertake a comprehensive strategy to ensure that its **clean energy transition is a just transition**

# New York's Cap-and-Invest Program – How it Works

Cap-and-Invest sets an annual limit on the amount of greenhouse gas emissions emitted in New York. Every year, the cap will be set lower to reduce greenhouse gas emissions.



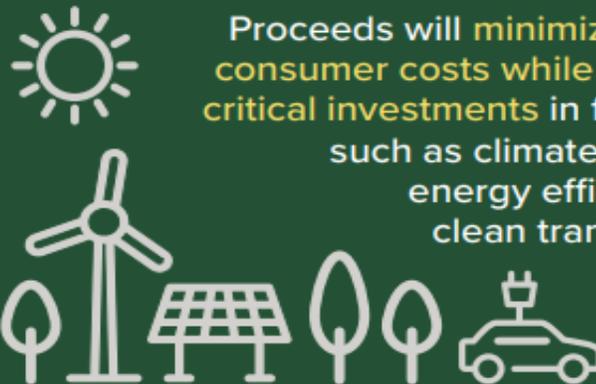
Large-scale greenhouse gas emissions sources and distributors of heating and transportation fuels will be required to purchase or obtain allowances for emissions associated with their activities.



The Program will prioritize frontline disadvantaged communities that have suffered from pollution as a result of environmental injustice and will ensure emissions reductions.



Proceeds will minimize potential consumer costs while supporting critical investments in focus areas such as climate mitigation, energy efficiency, and clean transportation.



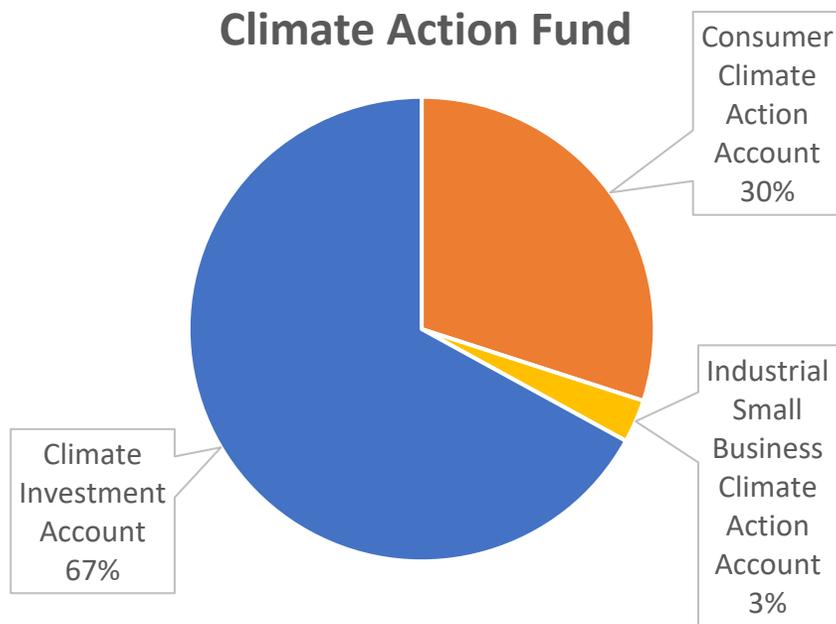
## Benefits of NYCI:

- Healthy communities & clean environment
- More green jobs/good jobs
- Bill savings
- Access to modern clean energy technology & infrastructure

## Cap-and-Invest Guiding Principles:

- Affordability
- Climate leadership
- Creating jobs and preserving competitiveness
- Investing in disadvantaged communities
- Funding a sustainable future

# New York Cap-and-Invest (NYCI) Budget



## Climate Action Fund subaccount:

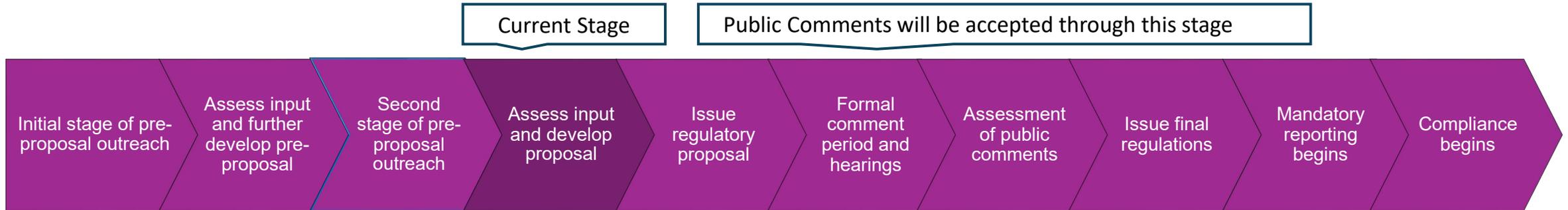
Consumer Climate Action Account informed by the Climate Affordability Study, will deliver at least 30 percent of future NYCI proceeds to New Yorkers every year to mitigate consumer costs

Climate Investment Account that will direct two-thirds of future NYCI proceeds to support the transition to a less carbon-intensive economy

Industrial Small Business Climate Action Account that will direct up to 3 percent of future NYCI proceeds benefits to help mitigate cost

- ❖ At least 35% with the goal of 40% of Cap-and -Invest Program investments must benefit Disadvantaged Communities (DACs)
- ❖ Eligible projects funded by the Climate Investment Account must meet certain labor standards such as paying a prevailing wage and using apprenticeship agreements

# New York Cap-and-Invest (NYCI) Regulation Development Process



Program consists of three parts:

- 1) Cap-and-Invest Rule
- 2) Mandatory GHG Reporting Rule
- 3) Auction Rule



To give public comments, scan QR Code or visit [www.capandinvest.ny.gov](http://www.capandinvest.ny.gov) - Scroll to the bottom of the webpage to the blue 'SUBMIT COMMENTS' button

# Prior Public Input: Equity and Affordability

- Commenters highlighted several specific challenges facing disadvantaged communities (DACs):

- **Air quality impacts** that pose threats to public health.
- **Vulnerability to price increases** for electricity, fuel, rent, and other expenses.
- **Structural and functional barriers**, incl. access to capital, and challenges associated with electrification/efficiency projects like split incentives between renters and landlords, or the need for safety repairs/upgrades before making energy improvements.

**Related to the previous slide, commenters suggested uses of NYCI proceeds that would specifically benefit DACs, including:**

- **Energy affordability programs** (e.g., the Energy Affordability Program and the Consumer Climate Action Account).
- **The deployment of clean energy technologies** in DACs:
  - Buildings:* heat pumps; “retrofit readiness” programs to remediate mold, bring electrical systems to code, and shore up structural weaknesses.
  - Transportation:* public transit; electric vehicles (incl. buses and heavy-duty vehicles); public chargers/fast charging networks.
  - Energy supply:* community solar; rooftop solar; energy storage.
- **Accelerated workforce development and training** in DACs, including reduced-cost or free tuition and priority hiring.

*Further feedback that specifically details how NYCI funds can benefit disadvantaged communities is welcome.*



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## Recommended Resources:

- 1) NYSERDA funding opportunities: <https://www.nys erda.ny.gov/Funding-Opportunities/Current-Funding-Opportunities>
- 2) Cap and Invest: <https://capandinvest.ny.gov/>
- 3) Energy and Climate Equity Strategy: <https://www.nys erda.ny.gov/All-Programs/Energy-and-Climate-Equity-Strategy>
- 4) Decarbonization Without Displacement from the Climate and Community Institute: <https://climateandcommunity.org/research/decarbonization-without-displacement/>



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