APPENDIX A

Methodology

Cap and Invest to Meet New Yorkers' Needs

New Yorkers for Clean Air

CLIMATE JOBS NY EDUCATION FUND

Spring Street CLIMATE FUND

Table of Contents

Funding Framework

Total Revenue

The New York State Energy Research and Development Authority (NYSERDA) modeled three price ceiling scenarios for the state's cap-and-invest market. Those scenarios, designated A, B, and C, project three revenue trajectories over the first decade of the Clean Air Initiative's operation. This report assumes the revenue stream projected in Scenario C, the most conservative of the three modeled, with total revenues of $57.4 billion. Below is a reproduction of the Scenario C revenue projections, with figures in the billions of dollars. The modeling in this report, when reporting annual figures, approximates by averaging revenues annually over the course of the decade.

2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
3.0	3.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1

Program Overhead

This report assumes average operational costs of 4% across the board to implement and operate the cap-and-invest program. When calculating funding levels for each program, our allocations assume that 4% has already been set aside—effectively making 96% of the projected revenues available for affordability measures and direct investments.

More Affordable Homes

Energy Rebates

The Clean Air Initiative is required by statute to return at least 30% of all revenue to consumers to enhance energy affordability. We assume that those funds will be made available to low- and moderate-income households (i.e. those making less than $200,000 annually) as rebates on their energy bills. On average, that translates to $1,722,000,000 set aside for approximately 6,470,000 households, per the U.S. Census 2024 projections. Dividing those funds among those households yields this report's projection of $266 per household annually.

Household Weatherization

New York State Department of Housing and Community Resources (HCR) implements a Weatherization Assistance Program (WAP). A 2022 report on the program estimated an average weatherization cost of $7,600 per housing unit, and indicated annual savings of $657 per household. NYSERDA runs the Empower+ program, which also provides weatherization assistance to low income households; according to a profile of the program from the U.S. Environmental Protection Agency (EPA), in

2023 it spent $150,000,000 to weatherize 22,000 homes, which averages to $6,818 per home. Averaging the NYSERDA and HCR per-household costs yields a $7,209 average cost for weatherizing a housing unit. With $3,604,500,000 in Clean Air Initiative funding, the state could weatherize 500,000 homes at that cost.

Rooftop Solar

New York State's solar energy system tax credit covers 25% of equipment expenditures up to a cap of $5,000. Supplementing that credit with an additional $5,000 incentive per system installed—approximately replacing the now-defunct 30% federal tax credit for home solar installations, given that an average solar energy system in New York costs $19,538—stands to halve the cost, on average, of rooftop solar installations in New York.

This report's household savings figure is derived from EnergySage's estimate that New York households will save about $57,570 over 25 years from installing solar panels—an average of $2,302.80 annually.

Heat Pumps

The Switchbox Bucks for Boilers report projects that "heat pumps would cut energy costs for 6,731,700 households, saving them an average of $1,070 a year." Switchbox also estimates that the incremental cost of heat pump and heat pump water heater system over replacing an existing furnace, boiler, or resistance heater is $16,474. This report assumes that covering more than 90% of that additional cost, at a subsidy of $15,000 per system, would be sufficient to encourage more widespread uptake of heat pump systems. At that subsidy level, $3,750,000,000 in incentives could translate to 250,000 new heat pump systems installed.

Cheap, Clean Energy

Expanding the Grid (Transmission)

Currently, the cost of electricity infrastructure is borne by utility customers, including a premium of guaranteed return for utilities. State funding to replace some consumer spending on transmission lines would lower utility bills for every electricity customer. We chose not to model a per-customer savings, instead more conservatively keeping our estimates to the total investment proposed.

Community Solar

A January 2024 report from NYSERDA on the NY-Sun program, which provides community solar incentives, estimates that $346,000,000 in subsidies would support developing 1,254 MW of community solar farms with 10% savings on customers' utility bills under a Statewide Solar For All program. NYSERDA has separately indicated that 1 MW can power roughly 175 homes.

Using this ratio of power to households yields: 1,254 MW * 175 households / MW = 219,450 households powered by community solar farms for a cost of $346,000,000. That equates to $1,576 per household in subsidies to incentivize the creation of community solar capacity. With $1,576,000,000 of Clean Air Initiative funding, the state could therefore connect 1,000,000 more homes to community solar power over the next decade.

The average monthly electric utility bill in New York State is $141.79. If community solar participation saves customers 10% on their utility bills, as assumed in NYSERDA's cost projections, then the average annual bill savings would come out to $170.15.

Thermal Energy Networks

NYSERDA has identified 417 building clusters (page 8, sum of NYC and Rest of State campuses) that would make good candidates for thermal energy networks (TENs). These are clusters in which the buildings have common owners, are in close proximity, and have some centralized heating / cooling systems.

NYSERDA provides project funding for TENs through its Large Scale Thermal program. Much of the funding has gone to feasibility studies. Some of those studies include cost estimates for a TEN:

- SUNY Oswego finds a 4 building cluster will cost roughly $13.3 million
- Syracuse University finds an 8 building cluster will cost roughly $17.6 million

The Utility Thermal Energy Network Pilot Project is a separate New York program largely for collections of privately owned buildings. It has projected costs for multiple projects:

- Ithaca has a 39-building cluster expected to cost $51.7 million
- Rochester has a 21-building cluster that's expected to cost $42.3 million
- Norwich has a 32-building cluster expected to cost $33.6 million

SUNY Buffalo's master plan also finds that a Thermal Energy Network for a 46-building cluster would cost $311 million, but says that true costs would be $182 million when netting out the alternative scenario in which the university has to maintain its existing system (i.e. $182 million is the marginal cost of installing a TEN, instead of just replacing the existing system).

All together, these examples present an average of $2.27 million per building of all-in cost for campus level thermal energy networks.

The current federal tax credit for TENs, without including adders, is 30%. That credit has not yet catalyzed widespread TENs adoption, and this report therefore proposes an additional state subsidy of 40%, stackable on the 30% credit, which would translate to a much higher incentive at a cost of $900,000 per building for the state. We further suppose that a typical cluster converts ten buildings. The report therefore projects that $1,800,000,000 in funding would support the construction of 200 TENs across New York.

Clean Air For Kids

Green, Healthy Schools

Alliance for a Greater New York (ALIGN) estimates that deep retrofits to all of New York City's public schools, including the materials and labor costs of electrification, would cost up to $32 per square foot. ALIGN also estimates that installing solar energy systems across those schools, which are collectively 162 million square feet in area, would cost $5.4 billion, or an additional $33 per square foot. This report therefore assumes that green school conversions, including deep retrofits, electrification, and solar energy system installation would cost approximately $65 per square foot of school.

According to the National Council on School Facilities, New York State's public school buildings are collectively 433,000,000 million square feet in area, and the Learning Policy Institute reports that there are 4,802 public schools in New York State. Averaging to around 90,710 square feet per school, we project that deep retrofits, electrification, and solar energy system installation would cost roughly $5.86 million for each public school in the state.

These estimates are broadly in line with costs reported by school districts as part of NYSERDA's Clean Green Schools Initiatives:

- The Cuba-Rushford School District received $6.1m to convert to heat pump systems in three school buildings
- The Enlarged City School District of Middletown received $5.03 million for heat pumps for one school building.
- The Gouverneur Central School District received $5.03 million to install a ground source heat pump and fully electrify a high school's HVAC system
- With $5,860,000,000 in Clean Air Initiative investments, the state could then make these upgrades to approximately 1,000 schools over the next decade.

Clean Trucks and Buses

New York City won two grants from the U.S. Environmental Protection Agency's (EPA) 2024 Clean Heavy Duty Vehicles Program. The first grant of $17.3 million to the New York City Department of Citywide Administrative Services allowed the city to replace 55 diesel trucks with electric vehicles (EVs), install 10 additional fast chargers for those vehicles, and expand training for EV mechanics. That translates to $314,545 in grant dollars awarded per truck, including the associated charging infrastructure and training. The second grant of approximately $32 million to New York City School Bus Umbrella Services, Inc. supported the purchase of an additional 109 electric school buses, with grant funding of $293,578 per bus.

EPA's cost share in the Clean Heavy Duty Vehicles Program was 75% for electric school buses and 65% for trucks. This report assumes that the state would halve that cost share, to 37.5% and 32.5%, respectively, for its own program, given more limited resources. We therefore project an approximate cost to the state of $146,800 per electric school bus and $157,250 per electric truck.

Improving Transportation

Increase Upstate Transit Service and Frequency

The New York Public Transit Association (NYPTA) recommends spending $145 million per year to improve upstate transit service. That cost estimate includes improvements to more than half a dozen transit systems in Albany, Syracuse, Buffalo, Rochester, Binghamton, Westchester, Poughkeepsie, and Long Island. This report adopts NYPTA's recommendation.

Fast Electric Vehicle Charging Stations

On average, direct-current fast charging (DCFC) stations consist of two chargers with two ports each. According to NYSERDA, DCFC stations cost about $25-50,000 for the charging equipment, combined with $50-100,000 in electrical service upgrades. Using the midpoint for each, we assume a charging station with four ports will cost $112,500, or $28,125 per port.

Following the model of the National Electric Vehicle Infrastructure grant, we assume the state would cover up to 80% of charging port costs. That translates to a cost to the state of $22,500 per charging port. Using the U.S. Department of Energy's estimate that New York would need 6,850 DCFC charging ports to support 2 million electric vehicles, this report allocates $154,125,000 to fund a complete buildout of DCFC charging infrastructure.

Electric Vehicle Incentives

This report assumes a state incentive for new electric vehicles of $3,750 per EV, for half the value of the previous federal tax credit. We assume a rebate of $2,000 per used EV, in the model of New York's proposed Previously Owned Zero-Emission Vehicles Rebate Program.

Used EVs accounted for about 31% of all EV sales in the U.S. in November 2025, the latest data available at the time of writing. This report closely approximates that proportion, assuming a total allocation of $400,000,000 to support the purchase of 200,000 used EVs and $1,687,500,000 to support the purchase of 450,000 new EVs over the course of a decade—a sum total of 650,000 vehicles, 30.77% of which are used.

Investing in People and Communities

Community-Directed Investments

The report authors found it impractical to anticipate the nature of community-directed investments in advance, given that they will ultimately reflect the priorities of the communities themselves. For that reason, we instead generally account for $2 billion of revenues being made available for planning, development, and implementation grants for disadvantaged communities, anticipating that those funds will be directed where local residents need them most.

Jobs Training Programs

Illinois' Climate and Equitable Jobs Act (CEJA) is regarded as one of the nation's leading models for integrating comprehensive workforce investments and labor standards into climate investments. A brief analysis indicates that about 4% of the annual investments under CEJA flow directly to workforce development programs. The report authors sought to approximately match that proportion of funding and allocated 2.5% of projected Clean Air Initiative revenues, or $1,435,000,000 over the decade, to jobs training.

Support for Small Businesses

The Clean Air Initiative's revenues will move through the Climate Action Fund, which includes the Industrial Small Business Climate Action Account. That account delivers "up to 3 percent of proceeds to support energy affordability for industrial small businesses." This report assumes that the state will allocate the full 3%, or $1,722,000,000, to that purpose.

Upgrading Public Infrastructure

NYC Public Housing

The report authors contemplated modeling specific uses for Clean Air Initiative investments in retrofits and upgrades at New York City Housing Authority (NYCHA) properties, such as expanding the Clean Heat for All pilot program, but ultimately determined that it would not be constructive to be overly prescriptive in how NYCHA should manage its investments in repairs, weatherization, or efficiency upgrades. For that reason, the report allocates $500,000,000 to NYCHA over 10 years for repairs, weatherization, and efficiency without modeling the outcomes of a specific set of projects.

State-Owned Buildings

The heterogeneity of New York's state-owned building stock made general projections based on the cost of electrification or weatherization per square foot too unspecific to be useful in this report. That being the case, the report allocates $500,000,000 to public building retrofits over 10 years without projecting the specific impact of those investments.

Forests and Urban Trees

According to Forest for All NYC, the average cost of planting and maintaining a tree in NYC is $3,300. With $1,155,000,000 of dedicated funding over the next decade, the report projects that the city could plant 350,000 additional trees.

The Nature Conservancy estimates an average reforestation cost of $6,500 per acre, reflecting updated cost estimates for site preparation and planting, tree protection, seedlings, maintenance and monitoring, planning, and landowner incentives. These estimates are derived directly from 2024-2025 nursery price lists, contractor quotes, and recent planting projects. With $1,950,000,000 of funding over the next decade, the state could restore 300,000 acres of forestland.

Regional Modeling

All five benefit categories are allocated proportionally from statewide totals to 6 target regions (Westchester, Western NY, Long Island, Capital Region, The Bronx, Queens) based on each region's share of a relevant population metric.

BENEFIT	ELIGIBLE POPULATION	SOURCE	TABLE / DATASET	STATEWIDE TOTAL	PER-UNIT VALUES	NOTES
Energy Rebates	Households earning < $200K/yr	US Census Bureau, ACS 5-Year	B19001 (vars 002E-016E)	~6.5M households	$266/yr per household	Direct count, not proportional allocation
Weatherization	Households earning < ~$75K/yr (approx. 200% FPG)	US Census Bureau, ACS 5-Year	B19001 (vars 002E-012E)	500,000 homes	$7,209/home; $660/yr savings	Proportional to county eligible households
Rooftop Solar	Owner-occupied single-family detached homes	US Census Bureau, ACS 5-Year	B25032 (var 003E)	400,000 installations	$5,000/install; $2,303/yr savings	4 regions only; Bronx/Queens get schools instead
EV Charging	Registered vehicles	NYS Dept. of Motor Vehicles	Vehicle Registrations (Socrata)	6,850 DCFC ports	$22,500/port (80% state subsidy)	Proportional to county vehicle registrations
Green Schools	Public school buildings (unique buildings, not programs)	NYC DOE via NYC Open Data	School Locations (2019-2020)	1,000 retrofits (of 4,802 statewide)	$860K/retrofit	Bronx and Queens only; counted at building level, co-located schools counted once

Westchester

Energy Rebates

Under the Clean Air Initiative, we suggest that households earning less than $200,000 per year should be eligible for annual energy bill rebates. In Westchester, **259,992 households** (70.2% of all households in the region) would therefore qualify for an average annual rebate of **$266**, putting a total of **$69.2 million** back into local residents' pockets each year.

METRIC	VALUE
Total households	370,256
Eligible households (< $200k)	259,992
Share of households eligible	70.2%
Annual rebate per household	$266
Total annual rebates	$69.2 million

Household Weatherization

The Clean Air Initiative would fund weatherization improvements for **17,882 homes** in Westchester, at an investment of **$128.9 million**. Each home would receive upgrades such as improved insulation, windows, and doors, saving an average of **$660 per year** on energy bills. This allocation is based on Westchester's share of statewide income-eligible households (those earning less than approximately $75,000 per year).

METRIC	VALUE
Income-eligible households	124,253
Homes weatherized	17,882
Investment per home	$7,209
Total investment	$128.9 million
Annual savings per home	$660
Total annual savings	$11.8 million

EV Fast Charging Infrastructure

To support the transition to electric vehicles, the Clean Air Initiative would fund **441 new DCFC (fast charging) ports** in Westchester, representing a state investment of **$9.9 million**. This allocation is proportional to the region's share of statewide registered vehicles (651,906 vehicles, 6.4% of the state total).

METRIC	VALUE
Registered vehicles	651,906
Share of statewide vehicles	6.4%
DCFC ports allocated	441
State investment per port	$22,500
Total EV charging investment	$9.9 million

Rooftop Solar

The Clean Air Initiative would provide **$5,000 incentives** to **20,800 homeowners** in Westchester to install rooftop solar panels, representing a total state investment of **$104.0 million**. Each household stands to save an estimated **$2,303 per year** on electricity bills. This allocation is based on Westchester's share of statewide owner-occupied single-family homes (149,794 homes, 5.2% of the state total).

METRIC	VALUE
Owner-occupied single-family homes	149,794
Homes receiving solar incentive	20,800
Incentive per home	$5,000
Total solar investment	$104.0 million
Annual savings per home	$2,303
Total annual savings	$47.9 million

Data Sources

- **Household income:** U.S. Census Bureau, American Community Survey 5-Year Estimates (2019-2023), Table B19001
- **Weatherization eligibility:** U.S. Census Bureau, ACS Table B19001 (income brackets approximating 200% Federal Poverty Guidelines)
- **Vehicle registrations:** NYS Department of Motor Vehicles, Vehicle Registrations dataset (data.ny.gov)
- **Owner-occupied homes:** U.S. Census Bureau, ACS Table B25032 (Tenure by Units in Structure)

Capital Region

Energy Rebates

In the Capital Region, **407,696 households** (87.9% of all households in the region) would qualify for an average annual rebate of **$266**, putting a total of **$108.4 million** back into local residents' pockets each year.

METRIC	VALUE
Total households	463,701
Eligible households (< $200k)	407,696
Share of households eligible	87.9%
Annual rebate per household	$266
Total annual rebates	$108.4 million

Household Weatherization

The Clean Air Initiative would fund weatherization improvements for **29,902 homes** in the Capital Region, at an investment of **$215.6 million**. Each home would receive upgrades such as improved insulation, windows, and doors, saving an average of **$660 per year** on energy bills. This allocation is based on the Capital Region's share of statewide income-eligible households (those earning less than approximately $75,000 per year).

METRIC	VALUE
Income-eligible households	207,772
Homes weatherized	29,902
Investment per home	$7,209
Total investment	$215.6 million
Annual savings per home	$660
Total annual savings	$19.7 million

EV Fast Charging Infrastructure

To support the transition to electric vehicles, the Clean Air Initiative would fund **565 new DCFC (fast charging) ports** in the Capital Region, representing a state investment of **$12.7 million**. This allocation is proportional to the region's share of statewide registered vehicles (834,103 vehicles, 8.2% of the state total).

METRIC	VALUE
Registered vehicles	834,103
Share of statewide vehicles	8.2%
DCFC ports allocated	565
State investment per port	$22,500
Total EV charging investment	$12.7 million

Rooftop Solar

The Clean Air Initiative would provide **$5,000 incentives** to **36,251 homeowners** in the Capital Region to install rooftop solar panels, representing a total state investment of **$181.3 million**. Each household stands to save an estimated **$2,303 per year** on electricity bills. This allocation is based on the Capital Region's share of statewide owner-occupied single-family homes (261,060 homes, 9.1% of the state total).

METRIC	VALUE
Owner-occupied single-family homes	261,060
Homes receiving solar incentive	36,251
Incentive per home	$5,000
Total solar investment	$181.3 million
Annual savings per home	$2,303
Total annual savings	$83.5 million

Data Sources

- **Household income:** U.S. Census Bureau, American Community Survey 5-Year Estimates (2019-2023), Table B19001
- **Weatherization eligibility:** U.S. Census Bureau, ACS Table B19001 (income brackets approximating 200% Federal Poverty Guidelines)
- **Vehicle registrations:** NYS Department of Motor Vehicles, Vehicle Registrations dataset (data.ny.gov)
- **Owner-occupied homes:** U.S. Census Bureau, ACS Table B25032 (Tenure by Units in Structure)

Western New York

Energy Rebates

In Western NY, **609,279 households** (92.3% of all households in the region) would qualify for an average annual rebate of **$266**, putting a total of **$162.1 million** back into local residents' pockets each year.

METRIC	VALUE
Total households	659,925
Eligible households (< $200k)	609,279
Share of households eligible	92.3%
Annual rebate per household	$266
Total annual rebates	$162.1 million

Household Weatherization

The Clean Air Initiative would fund weatherization improvements for **51,472 homes** in Western NY, at an investment of **$371.1 million**. Each home would receive upgrades such as improved insulation, windows, and doors, saving an average of **$660 per year** on energy bills. This allocation is based on Western NY's share of statewide income-eligible households (those earning less than approximately $75,000 per year).

METRIC	VALUE
Income-eligible households	357,644
Homes weatherized	51,472
Investment per home	$7,209
Total investment	$371.1 million
Annual savings per home	$660
Total annual savings	$34.0 million

EV Fast Charging Infrastructure

To support the transition to electric vehicles, the Clean Air Initiative would fund **720 new DCFC (fast charging) ports** in Western NY, representing a state investment of **$16.2 million**. This allocation is proportional to the region's share of statewide registered vehicles (1,063,656 vehicles, 10.5% of the state total).

METRIC	VALUE
Registered vehicles	1,063,656
Share of statewide vehicles	10.5%
DCFC ports allocated	720
State investment per port	$22,500
Total EV charging investment	$16.2 million

Rooftop Solar

The Clean Air Initiative would provide **$5,000 incentives** to **53,870 homeowners** in Western NY to install rooftop solar panels, representing a total state investment of **$269.3 million**. Each household stands to save an estimated **$2,303 per year** on electricity bills. This allocation is based on Western NY's share of statewide owner-occupied single-family homes (387,944 homes, 13.5% of the state total).

METRIC	VALUE
Owner-occupied single-family homes	387,944
Homes receiving solar incentive	53,870
Incentive per home	$5,000
Total solar investment	$269.3 million
Annual savings per home	$2,303
Total annual savings	$124.1 million

Data Sources

- **Household income:** U.S. Census Bureau, American Community Survey 5-Year Estimates (2019-2023), Table B19001
- **Weatherization eligibility:** U.S. Census Bureau, ACS Table B19001 (income brackets approximating 200% Federal Poverty Guidelines)
- **Vehicle registrations:** NYS Department of Motor Vehicles, Vehicle Registrations dataset (data.ny.gov)
- **Owner-occupied homes:** U.S. Census Bureau, ACS Table B25032 (Tenure by Units in Structure)

Long Island

Energy Rebates

On Long Island, **680,234 households** (70.2% of all households in the region) would qualify for an average annual rebate of **$266**, putting a total of **$180.9 million** back into local residents' pockets each year.

METRIC	VALUE
Total households	968,356
Eligible households (< $200k)	680,234
Share of households eligible	70.2%
Annual rebate per household	$266
Total annual rebates	$180.9 million

Household Weatherization

The Clean Air Initiative would fund weatherization improvements for **37,334 homes** on Long Island, at an investment of **$269.1 million**. Each home would receive upgrades such as improved insulation, windows, and doors, saving an average of **$660 per year** on energy bills. This allocation is based on Long Island's share of statewide income-eligible households (those earning less than approximately $75,000 per year).

METRIC	VALUE
Income-eligible households	259,408
Homes weatherized	37,334
Investment per home	$7,209
Total investment	$269.1 million
Annual savings per home	$660
Total annual savings	$24.6 million

EV Fast Charging Infrastructure

To support the transition to electric vehicles, the Clean Air Initiative would fund **1,499 new DCFC (fast charging) ports** on Long Island, representing a state investment of **$33.7 million**. This allocation is proportional to the region's share of statewide registered vehicles (2,213,986 vehicles, 21.9% of the state total).

METRIC	VALUE
Registered vehicles	2,213,986
Share of statewide vehicles	21.9%
DCFC ports allocated	1,499
State investment per port	$22,500
Total EV charging investment	$33.7 million

Rooftop Solar

The Clean Air Initiative would provide **$5,000 incentives** to **97,534 homeowners** on Long Island to install rooftop solar panels, representing a total state investment of **$487.7 million**. Each household stands to save an estimated **$2,303 per year** on electricity bills. This allocation is based on Long Island's share of statewide owner-occupied single-family homes (702,394 homes, 24.4% of the state total).

METRIC	VALUE
Owner-occupied single-family homes	702,394
Homes receiving solar incentive	97,534
Incentive per home	$5,000
Total solar investment	$487.7 million
Annual savings per home	$2,303
Total annual savings	$224.6 million

Data Sources

- **Household income:** U.S. Census Bureau, American Community Survey 5-Year Estimates (2019-2023), Table B19001
- **Weatherization eligibility:** U.S. Census Bureau, ACS Table B19001 (income brackets approximating 200% Federal Poverty Guidelines)
- **Vehicle registrations:** NYS Department of Motor Vehicles, Vehicle Registrations dataset (data.ny.gov)
- **Owner-occupied homes:** U.S. Census Bureau, ACS Table B25032 (Tenure by Units in Structure)

The Bronx

Energy Rebates

In The Bronx, **502,380 households** (94.8% of all households in the region) would qualify for an average annual rebate of **$266**, putting a total of **$133.6 million** back into local residents' pockets each year.

METRIC	VALUE
Total households	530,067
Eligible households (< $200k)	502,380
Share of households eligible	94.8%
Annual rebate per household	$266
Total annual rebates	$133.6 million

Household Weatherization

The Clean Air Initiative would fund weatherization improvements for **50,531 homes** in The Bronx, at an investment of **$364.3 million**. Each home would receive upgrades such as improved insulation, windows, and doors, saving an average of **$660 per year** on energy bills. This allocation is based on The Bronx's share of statewide income-eligible households (those earning less than approximately $75,000 per year).

METRIC	VALUE
Income-eligible households	351,108
Homes weatherized	50,531
Investment per home	$7,209
Total investment	$364.3 million
Annual savings per home	$660
Total annual savings	$33.4 million

EV Fast Charging Infrastructure

To support the transition to electric vehicles, the Clean Air Initiative would fund **158 new DCFC (fast charging) ports** in The Bronx, representing a state investment of **$3.6 million**. This allocation is proportional to the region's share of statewide registered vehicles (234,043 vehicles, 2.3% of the state total).

METRIC	VALUE
Registered vehicles	234,043
Share of statewide vehicles	2.3%
DCFC ports allocated	158
State investment per port	$22,500
Total EV charging investment	$3.6 million

Green, Healthy Schools

In the Bronx, the Clean Air Initiative would fund energy-efficient retrofits at **59 public school buildings**, improving indoor air quality, installing clean heating and cooling systems, and adding solar energy systems. This represents a state investment of approximately **$50.9 million** and reflects the Bronx's share of the 4,802 public school buildings statewide. The borough has 284 public school buildings, accounting for 5.9% of the state total.

METRIC	VALUE
Public school buildings in borough	284
Statewide public school buildings	4,802
Schools retrofitted	59
Cost per retrofit	$5.9 million
Total investment	$50.9 million

Data Sources

- **Household income:** U.S. Census Bureau, American Community Survey 5-Year Estimates (2019-2023), Table B19001
- **Weatherization eligibility:** U.S. Census Bureau, ACS Table B19001 (income brackets approximating 200% Federal Poverty Guidelines)
- **Vehicle registrations:** NYS Department of Motor Vehicles, Vehicle Registrations dataset (data.ny.gov)
- **School buildings:** NYC Department of Education, School Locations dataset (NYC Open Data)
- **Statewide school count:** Learning Policy Institute (4,802 public schools in New York State)

Queens

Energy Rebates

In Queens, **715,171 households** (86.3% of all households in the region) would qualify for an average annual rebate of **$266**, putting a total of **$190.2 million** back into local residents' pockets each year.

METRIC	VALUE
Total households	828,230
Eligible households (< $200k)	715,171
Share of households eligible	86.3%
Annual rebate per household	$266
Total annual rebates	$190.2 million

Household Weatherization

The Clean Air Initiative would fund weatherization improvements for **53,172 homes** in Queens, at an investment of **$383.3 million**. Each home would receive upgrades such as improved insulation, windows, and doors, saving an average of **$660 per year** on energy bills. This allocation is based on Queens's share of statewide income-eligible households (those earning less than approximately $75,000 per year).

METRIC	VALUE
Income-eligible households	369,456
Homes weatherized	53,172
Investment per home	$7,209
Total investment	$383.3 million
Annual savings per home	$660
Total annual savings	$35.1 million

EV Fast Charging Infrastructure

To support the transition to electric vehicles, the Clean Air Initiative would fund **487 new DCFC (fast charging) ports** in Queens, representing a state investment of **$11.0 million**. This allocation is proportional to the region's share of statewide registered vehicles (719,610 vehicles, 7.1% of the state total).

METRIC	VALUE
Registered vehicles	719,610
Share of statewide vehicles	7.1%
DCFC ports allocated	487
State investment per port	$22,500
Total EV charging investment	$11.0 million

Green, Healthy Schools

In Queens, the Clean Air Initiative would fund energy-efficient retrofits at **68 public school buildings**, improving indoor air quality, installing clean heating and cooling systems, and adding solar energy systems. This represents a state investment of approximately **$58.4 million** and reflects Queens's share of the 4,802 public school buildings statewide. The borough has 326 public school buildings, accounting for 6.8% of the state total.

METRIC	VALUE
Public school buildings in borough	326
Statewide public school buildings	4,802
Schools retrofitted	68
Cost per retrofit	$5.9 million
Total investment	$58.4 million

Data Sources

- **Household income:** U.S. Census Bureau, American Community Survey 5-Year Estimates (2019-2023), Table B19001
- **Weatherization eligibility:** U.S. Census Bureau, ACS Table B19001 (income brackets approximating 200% Federal Poverty Guidelines)
- **Vehicle registrations:** NYS Department of Motor Vehicles, Vehicle Registrations dataset (data.ny.gov)
- **School buildings:** NYC Department of Education, School Locations dataset (NYC Open Data)
- **Statewide school count:** Learning Policy Institute (4,802 public schools in New York State)

Brooklyn

Energy Rebates

In Brooklyn, **848,009 households** (84.0% of all households in the region) would qualify for an average annual rebate of **$266**, putting a total of **$225.6 million** back into local residents' pockets each year.

METRIC	VALUE
Total households	1,009,596
Eligible households (< $200k)	848,009
Share of households eligible	84.0%
Annual rebate per household	$266
Total annual rebates	$225.6 million

Household Weatherization

The Clean Air Initiative would fund weatherization improvements for **70,329 homes** in Brooklyn, at an investment of **$507.0 million**. Each home would receive upgrades such as improved insulation, windows, and doors, saving an average of **$660 per year** on energy bills. This allocation is based on Brooklyn's share of statewide income-eligible households (those earning less than approximately $75,000 per year).

METRIC	VALUE
Income-eligible households	488,670
Homes weatherized	70,329
Investment per home	$7,209
Total investment	$507.0 million
Annual savings per home	$660
Total annual savings	$46.4 million

EV Fast Charging Infrastructure

To support the transition to electric vehicles, the Clean Air Initiative would fund **313 new DCFC (fast charging) ports** in Brooklyn, representing a state investment of **$7.0 million**. This allocation is proportional to the region's share of statewide registered vehicles (460,475 vehicles, 4.6% of the state total).

METRIC	VALUE
Registered vehicles	460,475
Share of statewide vehicles	4.6%
DCFC ports allocated	313
State investment per port	$22,500
Total EV charging investment	$7.0 million

Green, Healthy Schools

In Brooklyn, the Clean Air Initiative would fund energy-efficient retrofits at **85 public school buildings**, improving indoor air quality, installing clean heating and cooling systems, and adding solar energy systems. This represents a state investment of approximately **$72.9 million** and reflects Brooklyn's share of the 4,802 public school buildings statewide. The borough has 407 public school buildings, accounting for 8.5% of the state total.

METRIC	VALUE
Public school buildings in borough	407
Statewide public school buildings	4,802
Schools retrofitted	85
Cost per retrofit	$5.9 million
Total investment	$72.9 million

Data Sources

- **Household income:** U.S. Census Bureau, American Community Survey 5-Year Estimates (2019-2023), Table B19001
- **Weatherization eligibility:** U.S. Census Bureau, ACS Table B19001 (income brackets approximating 200% Federal Poverty Guidelines)
- **Vehicle registrations:** NYS Department of Motor Vehicles, Vehicle Registrations dataset (data.ny.gov)
- **School buildings:** NYC Department of Education, School Locations dataset (NYC Open Data)
- **Statewide school count:** Learning Policy Institute (4,802 public schools in New York State)

Manhattan

Energy Rebates

In Manhattan, **552,637 households** (71.3% of all households in the region) would qualify for an average annual rebate of **$266**, putting a total of **$147.0 million** back into local residents' pockets each year.

METRIC	VALUE
Total households	775,376
Eligible households (< $200k)	552,637
Share of households eligible	71.3%
Annual rebate per household	$266
Total annual rebates	$147.0 million

Household Weatherization

The Clean Air Initiative would fund weatherization improvements for **44,498 homes** in Manhattan, at an investment of **$320.8 million**. Each home would receive upgrades such as improved insulation, windows, and doors, saving an average of **$660 per year** on energy bills. This allocation is based on Manhattan's share of statewide income-eligible households (those earning less than approximately $75,000 per year).

METRIC	VALUE
Income-eligible households	309,188
Homes weatherized	44,498
Investment per home	$7,209
Total investment	$320.8 million
Annual savings per home	$660
Total annual savings	$29.4 million

EV Fast Charging Infrastructure

To support the transition to electric vehicles, the Clean Air Initiative would fund **145 new DCFC (fast charging) ports** in Manhattan, representing a state investment of **$3.3 million**. This allocation is proportional to the region's share of statewide registered vehicles (213,686 vehicles, 2.1% of the state total).

METRIC	VALUE
Registered vehicles	213,686
Share of statewide vehicles	2.1%
DCFC ports allocated	145
State investment per port	$22,500
Total EV charging investment	$3.3 million

Green, Healthy Schools

In Manhattan, the Clean Air Initiative would fund energy-efficient retrofits at **49 public school buildings**, improving indoor air quality, installing clean heating and cooling systems, and adding solar energy systems. This represents a state investment of approximately **$42.3 million** and reflects Manhattan's share of the 4,802 public school buildings statewide. The borough has 236 public school buildings, accounting for 4.9% of the state total.

METRIC	VALUE
Public school buildings in borough	236
Statewide public school buildings	4,802
Schools retrofitted	49
Cost per retrofit	$5.9 million
Total investment	$42.3 million

Data Sources

- **Household income:** U.S. Census Bureau, American Community Survey 5-Year Estimates (2019-2023), Table B19001
- **Weatherization eligibility:** U.S. Census Bureau, ACS Table B19001 (income brackets approximating 200% Federal Poverty Guidelines)
- **Vehicle registrations:** NYS Department of Motor Vehicles, Vehicle Registrations dataset (data.ny.gov)
- **School buildings:** NYC Department of Education, School Locations dataset (NYC Open Data)
- **Statewide school count:** Learning Policy Institute (4,802 public schools in New York State)

Staten Island

Energy Rebates

In Staten Island, **139,145 households** (81.8% of all households in the region) would qualify for an average annual rebate of **$266**, putting a total of **$37.0 million** back into local residents' pockets each year.

METRIC	VALUE
Total households	170,047
Eligible households (< $200k)	139,145
Share of households eligible	81.8%
Annual rebate per household	$266
Total annual rebates	$37.0 million

Household Weatherization

The Clean Air Initiative would fund weatherization improvements for **9,570 homes** in Staten Island, at an investment of **$69.0 million**. Each home would receive upgrades such as improved insulation, windows, and doors, saving an average of **$660 per year** on energy bills. This allocation is based on Staten Island's share of statewide income-eligible households (those earning less than approximately $75,000 per year).

METRIC	VALUE
Income-eligible households	66,495
Homes weatherized	9,570
Investment per home	$7,209
Total investment	$69.0 million
Annual savings per home	$660
Total annual savings	$6.3 million

EV Fast Charging Infrastructure

To support the transition to electric vehicles, the Clean Air Initiative would fund **184 new DCFC (fast charging) ports** in Staten Island, representing a state investment of **$4.1 million**. This allocation is proportional to the region's share of statewide registered vehicles (271,564 vehicles, 2.7% of the state total).

METRIC	VALUE
Registered vehicles	271,564
Share of statewide vehicles	2.7%
DCFC ports allocated	184
State investment per port	$22,500
Total EV charging investment	$4.1 million

Green, Healthy Schools

In Staten Island, the Clean Air Initiative would fund energy-efficient retrofits at **16 public school buildings**, improving indoor air quality, installing clean heating and cooling systems, and adding solar energy systems. This represents a state investment of approximately **$13.6 million** and reflects Staten Island's share of the 4,802 public school buildings statewide. The borough has 76 public school buildings, accounting for 1.6% of the state total.

METRIC	VALUE
Public school buildings in borough	76
Statewide public school buildings	4,802
Schools retrofitted	16
Cost per retrofit	$5.9 million
Total investment	$13.6 million

Data Sources

- **Household income:** U.S. Census Bureau, American Community Survey 5-Year Estimates (2019-2023), Table B19001
- **Weatherization eligibility:** U.S. Census Bureau, ACS Table B19001 (income brackets approximating 200% Federal Poverty Guidelines)
- **Vehicle registrations:** NYS Department of Motor Vehicles, Vehicle Registrations dataset (data.ny.gov)
- **School buildings:** NYC Department of Education, School Locations dataset (NYC Open Data)
- **Statewide school count:** Learning Policy Institute (4,802 public schools in New York State)