

**Testimony of**  
**Anthony Fiore**  
**Deputy Commissioner, Division of Energy Management**  
**NYC Department of Citywide Administrative Services**

**before the**

**New York City Council**  
**Committee on Environmental Protection**

**October 13, 2022**

Good afternoon. Council Member Gennaro, and members of the Committee on Environmental Protection, thank you for the opportunity to testify on the potential for renewable energy generation and installation of geothermal heat pump systems in New York City, the subjects of Intros. 315 and 330.

My name is Anthony Fiore and I am New York City's Chief Decarbonization Officer and Deputy Commissioner for Energy Management at the Department of Citywide Administrative Services. In this role, I oversee decarbonization mandates for City government operations.

I am joined today by Christopher Diamond, the Director of the Office of Sustainability, Resilience, and Commissioning at the City's Department of Design and Construction, and Julia Casagrande, Policy Advisor at the NYC Mayor's Office of Climate and Environmental Justice.

In partnership with the Council, the Administration has committed to achieving carbon neutrality by 2050, focusing primarily on opportunities to invest in environmental justice neighborhoods. The City shares the goals that these bills seek to address and looks forward to working with the Council on this legislation to inform the potential to generate renewable energy and decarbonize our building systems in New York City.

**Clean electricity**

The City has committed to using clean sources of electricity to power New York City government operations and increasing renewable energy generation on City properties. Notably DCAS is deploying 100MW of solar on City properties by 2025 to reduce load and improve local grid reliability. To date, the City has completed over 120 solar projects that generate about 18MW of electricity, and has identified nearly 200 additional sites as "solar ready".

Building on this success, the City has also committed to securing 100% of its electrical consumption from renewable energy. The Adams Administration has made a historic investment to advance clean energy generation resulting in the buildout of two new transmission lines that will bring 2,500MW of renewable energy directly into New York City. This commitment will not only reduce City government's carbon footprint but it will also reduce air pollutants including CO<sub>2</sub>, SO<sub>2</sub> and NO<sub>x</sub> by almost 50 percent, and reduce wholesale energy prices by almost 20 percent.

In addition, in fall 2021, our partners at NYCEDC announced a 15-year Offshore Wind Vision Plan to develop best-in-class infrastructure to support the construction and operation of offshore

wind farms in the New York Bight, including infrastructure to support manufacturing, staging and installation, operations and maintenance, and transmission.

The City has committed almost \$200 million to offshore wind projects, which puts New York City on a path to reduce 34.5 million tons of CO<sub>2</sub>, as well as meet its goals of 100 percent clean electricity by 2040 and carbon neutrality by 2050.

NYCEDC is realizing the Offshore Wind Vision Plan by announcing an agreement with Equinor and its partner – bp -- to transform the 73-acre South Brooklyn Marine Terminal into one of the largest offshore wind port facilities in the nation earlier this year. The terminal will become a power interconnection site for the Empire Wind 1 project and serve as a hub to support the Empire Wind 2 and the Beacon Wind offshore wind farms.

The Administration is committed to additional offshore wind spans across New York City. Our partners at NYCEDC have also released an RFP—which recently closed—to transform the 33-acre Rossville municipal site in Staten Island into a site for offshore wind manufacturing and industrial jobs, and they are currently reviewing responses.

Finally, last month, NYCEDC and CUNY announced that the six CUNY colleges that are the initial recipients of \$4 million in City funding to help train the next generation of professionals for climate-smart careers, including training students in electric vehicle repairs, creating built environment and green energy solutions courses, while also developing new Offshore Wind industry curriculum and providing needed certification for green energy jobs.

The City will continue to make great strides in assessing the potential for renewable energy within NYC in the coming year. For example, the Mayor's Office of Climate and Environmental Justice is leading PowerUp NYC, an energy planning study that will identify specific actions the City can take in the near-term to rapidly advance our energy transition goals, including actions that support the strategic interconnection of offshore wind and clean transmission projects; the rapid deployment of solar and storage resources within the five boroughs; and the accelerated deployment of clean energy on public land.

### **Building decarbonization**

The City has also been a leader in building decarbonization. Since 2014, DCAS has invested nearly \$1 billion in energy efficiency and clean energy projects across 2,000 City-owned buildings, contributing to a reduction in City government energy use by the equivalent of 250,000 residences, avoiding about \$115 million in annual energy costs, reducing overall greenhouse gas emissions by almost 25% percent between Fiscal Years 2006 and 2019, and generating more than 4,000 family-sustaining jobs.

Geothermal heat pumps and heating systems are one way to further the transition to clean energy technologies from fossil fuel-based heating. Geothermal heat pumps, or ground-source heat pumps, rely on the constant temperature beneath the Earth's surface to provide clean and efficient heating and cooling, while using less electricity than other types of heat pumps.

The City has two tools to help the public understand the potential to use geothermal heat pumps in New York City:

- First, the Mayor's Office of Climate and Environmental Justice maintains the [NYC Community Energy Planning Tool](#), which shows ground source heat pump potential by



block and allows geothermal feasibility to be mapped alongside other community characteristics relating to environmental justice and resiliency.

- Second, DDC maintains the [Geothermal Pre-Feasibility Tool](#) in compliance with LL 6 of 2016, which identifies areas where geothermal heat pump systems may be an option for retrofitting buildings' heating and cooling systems based on geological and hydrogeological data.

The City has already built eight building-level geothermal projects, including at the FDNY Rescue Company 2 facility in Brooklyn and at PS 62 on Staten Island. Pursuant to LL 2 of 2022, the City is also undertaking a study to leverage City-owned sites for district scale geothermal systems. This study will help the City understand how to realize further efficiencies and maximize environmental benefits through balanced loads and a diversity of thermal sources and sinks.

The City is enthusiastic to work with the Council after the completion of the feasibility assessment to identify a path forward to facilitate geothermal heat pump use in New York City.

### **Equity and Justice**

It's important to emphasize that the City is also focusing its investments in the historically marginalized communities that experience cumulative, disproportionate impacts of environmental hazards and climate risks. Two-thirds of the greenhouse gas and fine particulate matter emission reductions achieved to date through City-led programs have been in such communities. The City is in the midst of a comprehensive, data-based assessment of environmental justice in New York City. The resulting report will identify communities being disproportionately impacted by environmental burdens and will form the basis of an implementation plan to promote environmental justice and ensure equity is an integral part of the City's decision-making processes.

Ensuring affordable energy access for all has also been a key focus of the City's energy planning efforts and the City has been a strong advocate for low-income utility customers. Reaching our climate goals will require many buildings to switch their heating and hot water systems from fossil fuels to heat pumps powered by clean electricity. It is imperative that this transition be planned to ensure it is affordable for all New Yorkers. A just transition to a clean energy system is foundational to addressing climate change and creating a fairer and healthier city.

### **Proposed Legislation**

Before my colleagues and I take your questions, I want to comment briefly on the bills being considered today.

**Int. 315** would require the City to identify and report on vacant or underutilized municipal properties, including closed-and-capped solid waste landfills and brownfields, that would be suitable for renewable energy generation. The Department of Citywide Administrative Services (DCAS), which would undertake this work, believes that understanding and making public what City properties may be underutilized or vacant, and advising how these properties could potentially be used, is a worthwhile exercise. This work should support communities and other City agencies as they develop priorities for vacant and underutilized lots, which may support any

number of potential uses, including renewable energy generation, the creation of affordable housing, new parks and urban farms, relocating critical City facilities that are at increasing risk of flooding, or to address other unforeseen needs.

Understanding what tax lots are going to be unused or underutilized for the indeterminate future, as compared to those that have some future use plan, is essential to allowing DCAS and other agencies to identify the best use of these properties as we focus efforts on developing in-City renewable energy generation potential. We look forward to working with Council on this bill and on the larger effort to use vacant City properties to make our City more livable as we increase the share of clean, renewable resources that power our City.

**Int. 330** would require the City to create a database of subsurface conditions to support better engineering of geothermal heat pumps. We agree that geothermal is an important tool in the transition to a clean energy economy, and in some locations will be a primary method for decarbonizing building heating systems. As you know, geological characteristics are a key component of geothermal systems and the subterranean space in New York City is no less complex than the above ground real estate. That is exactly why, with help from the Council, the City developed the Geothermal Pre-screening Tool and the NYC Community Energy Planning Tool.

In addition, DDC released NYC's Geothermal Heat Pump Manual ("Manual") in 2002—the first of its kind—to educate and assist DDC project managers and their consultants. The Manual was updated in 2012 to reflect changes in the industry and technological advances in materials and has come to serve as the How-to-Guide for doing geothermal in the City.

As I mentioned earlier, the Administration is developing a program to pilot district-level geothermal systems on city-owned sites, in accordance with Local Law 2 of this year. Beginning next March and over the coming years, the Administration will begin reporting its findings as we develop and implement the pilot, which will help inform how these systems can maximize geothermal opportunities to meet our 2050 energy goals.

The City also wants to applaud New York State for passing the Utility Thermal Energy Network and Jobs Act, which will allow utilities to develop projects that will connect multiple buildings into a shared thermal network, including Community Thermal Systems. This means utilities can provide thermal energy to customers rather than fossil-based natural gas to meet their space heating, water heating, and cooling needs.

The Administration looks forward to continuing to work with Council to build off these tools and the pilot program to identify the best opportunities to support the growth of the geothermal heat pump industry in New York City and push for rapid building decarbonization in line with our climate, energy, and equity goals.

In short, we support the intent of these bills and look forward to working with Council on them. Thank you for this opportunity to testify on this important topic. My colleagues and I are happy to answer any questions that you have.





**OFFICE OF THE BROOKLYN BOROUGH PRESIDENT**

**ANTONIO REYNOSO**  
Brooklyn Borough President

**NYC Council Committee on Environmental Protection  
Hearing on Renewable Energy and New York City's Climate Adaptation  
10.13.22**

Thank you to Chair Gennaro and members of the Committee on Environmental Protection for taking the time to hold this hearing on Renewable Energy and New York City's climate adaptation.

Building a truly just and sustainable environmental and economic future is one of the greatest challenges we currently face. We are tasked with transitioning away from fossil fuels and committing ourselves to a more equitable and resilient city and state; one that we can proudly hand over to future generations. As Brooklyn Borough President, I care deeply about advancing climate resiliency and environmental justice in the borough, as the climate crisis must be tackled both locally and globally. I am here today to support the resolutions to implement and commit ourselves to the bold climate targets of the Climate Leadership and Community Protection Act (CLCPA); the NYS Build Public Renewables Act; and the Clean Water, Clean Air, and Green Jobs Environmental Bond Act.

The passage of the CLCPA underscores the urgency of the kind of transformative climate action needed to decarbonize New York State's electricity sector, and to create a more just economic environment for all New Yorkers. The importance of protecting New York's most vulnerable communities from the uneven harms of the climate crisis is coupled with our responsibility to direct the benefits of these climate investments back to them.

The CLCPA sets ambitious targets for transitioning away from fossil fuels and eliminating emissions from electricity generation. These targets, such as committing 70% of energy generation to renewable sources by 2030, 100% zero-emission electricity generation by 2040, and reducing our greenhouse gas emissions by at least 85% by 2050, cannot be achieved without aggressive and decisive action. I urge the Climate Action Council to draft, and for the Governor to sign, a final Climate Action Council Scoping Plan so that we can meet and surpass the CLCPA targets. Thank you to Council Member Restler for putting forth this resolution so that we have the opportunity to make it clear that New York City supports the CLCPA.

The benefits shared from the bold investments into renewable energy and climate resiliency are only as effective as they are equitable and accessible. Passing the NYS Build Public Renewables Act will ensure that we are assertively investing in state-owned and -supplied renewable energy while rightfully prioritizing low- to moderate-income residents. The creation of good, union jobs

through The Build Public Renewables Act will enhance a localized, strong workforce. Fair and equitable labor standards go hand-in-hand with developing a more just and sustainable environment, which is why I support the passage of the NYS Build Public Renewables Act and urge the Council to do so as well.

The approaching 10<sup>th</sup> anniversary of Hurricane Sandy serves as a reminder that the resilience of our infrastructure must always be top priority. Many neighborhoods still have not fully recovered from the damages of the storm. We owe it to our constituents to pay that debt forward, and to make major investments in the resiliency of our energy grid and into the strength of our local communities. That is why I support the Clean Water, Clean Air, and Green Jobs Environmental Bond Act and also encourage the Council to send a message to the public that they should vote yes on November 8.

Another important step our State colleagues can take to ensure a green energy future is to support electrification of New York's building stock. Over three-quarters of New York State's residential buildings are still heated by oil and gas. Governor Hochul has rightfully called for the electrification of 1 million homes by 2030. But, at the current rate of electrifying only twenty thousand homes per year, we are woefully behind schedule. The "All-Electric Buildings Act" (S6843C), introduced by Assemblymember Emily Gallagher and Senator Brian Kavanaugh, would ban gas hookups and prohibit fossil fuel combustion in new construction across NYS. This bill is complimentary to the decisive action put forth in the NYS Build Public Renewables Act and the CLCPA to break away from fossil fuels, expand access to and production of renewable energies, and strengthen New York's climate resiliency in the face of this crisis.

Access to renewable energy must not come from some far away source, we must localize it and develop it here in our own backyard. I thank Council Member Brannan for introducing Intro 315 to require the Department of Environmental Protection to identify all vacant and underutilized sites for the new purpose of developing renewable energy generation. A resilient energy system is a localized energy system, and we have a responsibility to turn underutilized City-owned spaces not suitable for development of affordable housing into much needed support for our energy grid.

As evidence shows, we have but a small window to make impactful and lasting change for future generations. The CLCPA and NYS Build Public Renewables Act provide powerful tools for transformative change. We must act decisively, with the haste that our crisis demands.

Thank you again for holding this hearing, and for allowing me to speak today. I hope that we will commit ourselves to the values and goals of the CLCPA and create a more just, sustainable future.



October 13, 2022

**Founders**

Vernice Miller-Travis  
Peggy M. Shepard  
Chuck Sutton

**Testimony of Lonnie J. Portis, Environmental Policy and Advocacy  
Coordinator at WE ACT for Environmental Justice**

**Board of Directors**

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**To the New York City Council Committee on Environmental  
Protection**

*Secretary*

Nancy E. Anderson, Ph.D.

**Regarding Renewable Energy and New York City's Climate  
Adaptation**

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Phillip Morrow  
Dart Westphal

Thank you for the opportunity to comment on renewable energy in New York City and the following bills and resolutions:

- **Res 0169-2022** – Climate Action Council to draft, and the Governor to implement, a final Climate Action Council Scoping Plan that commits to meeting CLCPA targets and bold climate & environmental justice action in New York
- **Res 0189-2022** – NYS Build Public Renewables Act (S.6453/A.1466C)
- **Res 0258-2022**– Supporting the Clean Water, Clean Air, and Green Jobs Environmental Bond Act of 2022
- **Int 0315-2022** – Identifying all vacant and underutilized municipally-owned sites that would be suitable for the development of renewable energy and assessing the renewable-energy generation potential and feasibility of such sites.
- **Int 0330-2022** – Requiring the creation of a database of subsurface conditions to support better engineering of geothermal heat pumps.

WE ACT has been advocating for the rapid increase in renewable energy sources within the city. Our Solar Uptown Now program has installed 415 kilowatts of solar panels on the roofs of 11 affordable housing co-ops across Northern Manhattan saving the more than 1,000 residents of these buildings \$61.7K collectively on their electric bills in the first year. Additionally, it will eliminate 4,474 tons of greenhouse gasses over the lifetime of the project.

As we transition away from fossil fuels to renewable energy, rising energy rates could take a significant toll on frontline communities, which already spend a disproportionate amount of their household income on energy





costs. Renewable energy programs catering to the needs of these communities, like Solar Uptown Now, help reduce energy costs and create job opportunities.

### **Res 0169-2022, Res 0189-2022 and Res 0258-2022**

Currently, WE ACT is a member of Public Power NY, a statewide movement of community and advocacy organizations fighting for an environmentally sustainable energy system that is also racially, socially, and economically just. WE ACT is also a steering committee member of the Energy Democracy Alliance, a statewide coalition of community-based organizations, grassroots groups, and policy experts working together to advance a just and participatory transition to a resilient, localized, and democratically controlled clean energy economy in New York State.

WE ACT would like to applaud the City Councilmembers who support the CLCPA Scoping Plan and the Build Public Renewables Act (BPRA); Res 169 and Res 189 respectively. I want to uplift the positive impact that both have on low income communities and communities of color.

The CLCPA Scoping Plan takes steps toward addressing the disproportionate burden the climate crisis has had on low-income communities of color by ensuring there is adequate investment in disadvantaged communities towards greenhouse gas emissions reductions and other climate change mitigation, adaptation, and resiliency measures by identifying disadvantaged communities (DACs). This is critical to achieving the CLCPA's mandates of a minimum of thirty-five to forty percent of the "benefits of spending on clean energy and energy efficiency programs, projects or investments" (N.Y. 2019)<sup>1</sup>.

We do believe the State needs to develop an investment rubric "to ensure high and consistent standards for what qualifies as beneficial spending so that benefits will actually accrue in disadvantaged communities. We need a non-exhaustive list of benefits that should qualify, including reduced localized pollution, health benefits related to reduced exposure to extreme heat and cold, and economic benefits related to job creation and energy efficiency savings.

Low-income and fixed-income New Yorkers face extremely hot apartments this summer due to exorbitantly high energy bills. Increasing hot weather days lead to many low-income residents unable to, "foot energy bills that

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<sup>1</sup> ECL §§ 75-0115(3), 75-0109(3)(d); CLCPA § 7(3), S.B. 6599, 242d Sess. (N.Y. 2019).



can go up 20 to 30% from running air conditioning appliances.<sup>2</sup> Across New York State, we have an energy affordability crisis. Households that are behind on their utility bills owe an average of more than \$1,400. In New York State, households owe over 2.3 billion dollars in arrears on energy bills<sup>3</sup>. The state has not provided nearly enough support.

With the Build Public Renewables Act, the New York Power Authority (NYPA) will be enabled to sell low-cost renewable energy directly to New Yorkers wholesale. NYPA will sell renewable energy to low-to-moderate income customers, prioritizing disadvantaged communities. This will lower utility bills for the over one million households, approximately three million New Yorkers, that cannot afford their utility bills now.

We also note that many council members support the Clean Water, Clean Air, and Green Jobs Environmental Bond Act of 2022 through Res 258 which will bring much needed funds and jobs to the City to make our communities healthier, greener and more resilient.

### **Int 0315-2022 and Int 0330-2022**

New York City is more reliant on fossil fuel generation than the rest of New York State Which is behind on the 70% emissions reduction by 2030 mandate of the Climate Leadership and Community Protection Act (CLCPA). It is imperative that New York City does everything possible to identify potential for local renewable energy generation from solar, wind and geothermal. This is why WE ACT supports Int 315 and Int 330 which both aim to do just that.

The biggest benefit of geothermal heat pumps is that they use 25% to 50% less electricity than conventional heating or cooling systems. As we move towards better engineered geothermal infrastructure, we need to be thinking about community/district level geothermal heating systems. At the community level, this infrastructure could be incredibly beneficial to large campuses like CUNY buildings, NYCHA properties, and schools.

Understanding the viability of using stranded properties, including brownfields, for renewable energy development can transform polluted land into future clean energy hubs and has the potential to benefit environmental justice communities. A regular, comprehensive review of renewable energy generation capacity on vacant lots can help achieve the city and state's climate goals and reduce our reliance on fossil generation.

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<sup>2</sup> <https://www.cityandstateny.com/policy/2021/05/how-nyc-can-protect-residents-from-extreme-heat/182863/>

<sup>3</sup> <https://www.syracuse.com/news/2022/07/its-time-for-new-yorkers-to-pay-off-23-billion-in-utility-debt-heres-what-that-means-to-you.html>



Int 0315-2022 should include studying energy storage capabilities. Energy storage is a critical asset for relieving peak energy demand and providing power in the event of a blackout. City-owned vacant lots that are not suitable for renewable energy generation should be considered for energy storage. The report should also be made public and communicated with communities that these vacant lots are close to, where renewable energy and storage developments are found to be feasible.

### **Renewable Rikers**

New Yorkers know that the time to switch to renewable energy is now, and the more local renewable energy generation we have, the more resilient we will be to threats like Superstorm Sandy, which can knock out more centralized energy – generation plants. One of the primary limitations on increasing local solar power production in New York City is the limited amount of space with appropriate conditions for solar. Local Laws [16](#), [17](#) and [31](#) of 2021 creates a pathway to increase local renewable energy production by requiring Department of Correction (DOC) to hand over jurisdiction of Rikers island to the Department of Citywide Administrative Services (DCAS) as the prison closes, and it requires the city to study how renewable energy and wastewater treatment facilities can be placed on the island instead. The City Council must continue to enforce and monitor this land transfer process (Local Law 16) and that the energy study being conducted by Mayor’s Office of Climate & Environmental Justice (MOCEJ) is completed on time and included in the City’s long term energy plan.

### **False Solutions & Community Engagement**

Frontline communities are already forced to bear a disproportionate burden of polluting facilities that exacerbate poor health outcomes. When we discuss renewable energy generation in New York City, WE ACT opposes the promotion of false solutions, including green hydrogen, renewable natural gas (RNG), biofuels, biomass, that add more greenhouse gasses (GHGs) to the environment rather than less, and leads to more localized pollution concentrated in environmental justice communities.

Stakeholders from disadvantaged communities must be included in all adaptation and resiliency planning. Community benefit agreements, which are crucial to the overall health of a disadvantaged community, need to be legally binding, and the state must eliminate implicit bias when hiring workers to increase access to good green jobs that will allow communities of color to thrive in a clean energy future.





We deserve and demand real action and commitment from our government on climate change and health. Protecting the health of both people and the planet requires that we stop using fossil fuels and shift to renewable energy as quickly as possible. The City and State should be doing everything possible to scale up the local generation and storage of renewable energy.

Thank you Chair Gennaro and the Committee on Environmental Protection for holding a hearing on such an important topic. WE ACT looks forward to continued collaboration with this committee to champion climate and environmental justice.

Sincerely,

**Lonnie J. Portis**

Environmental Policy and Advocacy Coordinator

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Testimony to the NYC Council  
Committee on Environmental Protection  
Hearing on Int 0315, Int 0330, Res 0169  
Association for Energy Affordability  
Martha Sickles

Thank you, Committee Chair Gennaro and members of the committee for the opportunity to testify on this legislation and resolutions critical to New York City meeting its ambitious carbon reduction goals. We appreciate your leadership in setting and meeting New York's climate goals and the great contributions of Councilmembers Aviles, Brannan and Restler today.

My name is Martha Sickles, and I am speaking on behalf of the Association for Energy Affordability, Inc. (AEA) AEA founded in 1990, is dedicated to achieving energy efficiency and the transition to clean energy in new and existing buildings to foster and maintain affordable and healthy housing and communities, especially those of low income. The success of this work depends on the City's decarbonization and energy transformation programs that are supported by the New York State Climate Action Scoping Plan.

I am pleased to testify in support of Resolution No. 0169 calling for the drafting and implementation of the Climate Action Council (CAC) Scoping Plan that will meet CLCPA targets and promote sorely needed climate and environmental justice action in New York City. Implementation of the wide-ranging recommendations will support the goals of NYC's Climate Mobilization Act while providing cross sectoral energy transformation, improved public health, jobs, natural resource protection, and local economic investments. The plan provides a pathway to carbon free electricity by 2040 and a carbon neutral economy by 2050. These State commitments to "greening the grid" allow NYC to promote compliance paths that facilitate investment in building retrofits. This resolution can serve as a public information tool in the education and engagement of all energy end users, whose active participation is essential to meeting NYS and NYC's clean energy goals.

The legislation, under discussion today aids the identification of NYC sites and land for renewable energy resources, key elements of the CAC Scoping Plan. Int 0305 orders the identification and evaluation of city owned sites suitable for renewable energy generation and Int. 330 creates an updating of databases of subsurface conditions to support the development of ground source heat pumps and geothermal districts.

Creation of local renewal energy resources: solar, battery, other energy storage, and resources to electrify New York City's buildings that produce 70% of its greenhouse gas emissions, are crucial in meeting NYS and NYC carbon reduction targets. The development of community owned local distributed energy resources should be prioritized in environmental justice and disadvantaged communities to create wealth and jobs and reduce pollution whenever possible.



Ground source heat pumps are the most efficient and sustainable method to heat and cool a building. They use less electricity than air source heat pumps as they collect and transfer heat from the earth that has a constant temperature of 50-55 degrees. While requiring more costly initial investment, lower operating costs, abundant incentive programs and federal, state, and local tax credits make ground source heat pumps very competitive while reducing carbon emissions up to 64% annually from a natural gas fueled boiler. NYC has notable ground source heat pumps in St. Patrick's Cathedral and the Emma and Georgina Bloomberg Center on Roosevelt Island. It has piloted building level geothermal projects such as FDNY Rescue Co. 2 and PS 62 and is exploring thermal districts.

We look forward to using the tools produced by this legislation and thank you for this opportunity to testify at this hearing. In keeping with its mission, AEA is committed to NYC's energy transformation and is available to provide continuing support of this effort.





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## **ATTENTIVE ENERGY TESTIMONY**

Karen Imas, Public Policy Manager

Hearing of the City Council Environmental Protection Committee

October 13, 2022

Good afternoon members of the City Council. My name is Karen Imas and I am the Public Policy Manager for Attentive Energy. Thank you for the opportunity to testify today.

Attentive Energy is developing an 84,332-acre area located approximately 54 miles off the coast of New York. When completed, the project has the potential to generate 3,000 MW of clean energy to power over 2 million homes.

In the years building up to the federal lease auction and ultimate award of a lease from the federal government, Attentive Energy focused its efforts on meaningful and proactive stakeholder engagement – a “community first approach” to offshore wind development. This approach is coupled with a longstanding global track record of Attentive Energy’s parent company, TotalEnergies, of delivering renewable energy projects and advancing the energy transition worldwide.

Attentive Energy has been active on the ground in the New York Bight for more than three years connecting with stakeholders, seeking out diverse voices and perspectives, and listening to the needs of the local community. Examples of Attentive Energy’s outreach include releasing a survey targeted towards DEIJ businesses and organizations to better understand the challenges and opportunities groups are facing as they engage in offshore wind business opportunities and partnerships. Attentive Energy is committed to mobilizing action based on the insights gained from this survey. Other important outreach includes to the commercial and recreational fishing communities where we are surveying them to better understand fisherman and mariner activity and interests within the Lease Area.

Today’s hearing comes at an important time in New York City’s and New York’s State’s efforts to tackle climate change and develop an aggressive renewable energy agenda. Attentive Energy supports Resolution 0169 which urges the Climate Action Council to draft, and the Governor to implement, a final Climate Action Council Scoping Plan that commits to meeting the Climate Leadership and Community Protection Act (CLCPA) targets and bold climate and environmental justice action in New York.

By enshrining into law clear and concrete targets for developing wind, solar, energy efficiency, and energy storage technologies, the law provides a clear timeline for the rapid deployment of clean energy, in the process unlocking the next wave of investment in New York’s clean energy industries.

Attentive Energy, and our growing team here in the metro New York region, is particularly focused on supporting New York's CLCPA goal of 9 GW by 2035, alongside creating economic development opportunities and directing spending on climate programs to disadvantaged communities. Creating employment pathways that promote diversity and include historically disadvantaged communities will help begin to address environmental justice priorities.

The goals outlined by the Climate Mobilization Act will depend on developing diverse energy sources from offshore wind to rooftop solar to energy storage.

These goals are not only critical to combatting greenhouse gas emissions but also meeting targets that this City Council has set for greener buildings (Local Law 97). Achieving the CLCPA targets is essential, given that electricity represents a significant share of total energy consumption in many buildings.

Further renewable energy efforts like offshore wind are linked to improving air quality and protecting public health – two objectives further strengthened by the CLCPA's requirement that the state prioritize projects that both reduce greenhouse gas emissions and eliminate criteria pollutants in historically disadvantaged communities.

Attentive Energy is committed to tackling these challenges delivering clean renewable energy projects to New York City alongside a robust community first approach. We look forward to continuing our work with federal, state, and local stakeholders to achieve our shared ambitious climate goals.



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## **Testimony on Renewable Energy and New York City's Climate Adaptation**

Submitted to the New York City Council Committee on Environmental Protection

*October 13, 2022*

The Citizens Budget Commission (CBC), a nonprofit, nonpartisan think tank and watchdog dedicated to constructive change in the services, finances, and policies of the New York City and New York State governments, thanks you for the opportunity to submit testimony on renewable energy and climate adaptation in New York City.

The Climate Leadership and Community Protection Act (CLCPA) set ambitious goals for reducing greenhouse gases (GHG) statewide by 40 percent by 2030 and by 85 percent by 2050 through energy efficiency improvements and greater electricity generation from renewable sources. It created a Climate Action Council (CAC) to drive implementation of CLCPA by developing a Scoping Plan that identifies strategies to achieve the goals of the CLCPA and regulates emissions from all sectors of the economy. Local Law 97 (LL97) is similarly ambitious, aiming to reduce GHG emissions from large buildings in New York City by 40 percent by 2030 and by 80 percent by 2050. The CAC's Final Scoping Plan (FSP) is expected by the end of the year, while the Department of Buildings (DOB) recently released draft regulations on implementing aspects of LL97, with additional regulations expected this year and thereafter.

Today, CBC wants to share with the Council our work and perspective on these critical efforts. CBC's work has focused on implementing both the CLCPA and LL97 using the most cost-effective strategies and balancing economic incentives to further these ambitious GHG reduction goals while minimizing potential negative impact on jobs, New York's economic competitiveness, utility rates paid by residents and businesses, and public finances.



## Final Scoping Plan Recommendations

CBC's analysis found that the CAC's Draft Scoping Plan (DSP) was high-level, conceptual, and identified strategies and benefits, but did not provide sufficient detail to guide policymakers in defining specific regulations, incentives, and approaches to minimize carbon emissions efficiently and cost-effectively. To better guide policymakers in making regulatory and budgetary decisions, the FSP should:

- **Calculate and identify the cost-effectiveness of each mitigation strategy:** Implementation costs vary by sector and industry as well as by the selected technology. Only a detailed breakdown of mitigation costs per ton of GHG across the strategies can provide the information needed for prioritization.
- **Identify specific mitigation strategies and incentives:** The DSP only provides high-level mitigation strategies, such as the electrification of buildings, adoption of electric vehicles (EVs), or use of renewable energy. For policymaking, it will be important to better understand the specific measures that would incentivize businesses to adopt low-emission technologies, or households to invest in heat pumps and EVs, such as tax credits, subsidies, or peak-period utility pricing.
- **Determine the probabilities associated with different mitigation strategies:** Mitigation strategies such as EV adoption have much greater certainty than strategies that depend on the invention and success of new technology, such as carbon sequestration. In addition, some technologies might be more reliable than others in operation. Cost-effectiveness of strategies alone is not sufficient for prioritization; the probability of success also is essential.
- **Disaggregate the financial impacts of each strategy on businesses and households:** The FSP should identify each strategy's financial, and ideally economic, impacts on variously situated households and different businesses. This can help prioritize strategies to maximize equity and minimize negative economic impacts on jobs. Financial impacts may also provide incentives or disincentives for utility customers and the energy-consuming public to vary their demand for energy.
- **Identify the distribution of benefits and costs across stakeholder groups, industries, and geography:** Many of the benefits of GHG reduction, such as health improvements, will be spread widely across the residents of New York State, while the costs will fall heavily on a few sectors. Additionally, changing costs and financial impacts exclusive to New York State may reduce industries' ability to compete with bordering states.

## Local Law 97 Recommendations

Local Law 97 emissions limits will take effect in 2024, with buildings reporting their emissions by May 2025 and being fined if they exceed the limits. CBC's comprehensive report on LL97 made six recommendations that largely utilize the law's substantial rulemaking discretion to overcome implementation challenges and meet building emissions goals in a cost-effective manner without unnecessary and harmful disincentives.

- **Adjust credits appropriately for lack of renewable energy availability to encourage electrification:** If the greening of the grid is slower than established by the CLCPA, the law's credits for beneficial electrification should be calculated accounting for those missed goals.
- **Expand allowable Renewable Energy Credits (RECs) to offshore wind and a phased-down portion of Tier 2 RECs:** Provide buildings with flexibility while the New York City electric grid remains fossil fuel-powered by allowing buildings to purchase unlimited amounts of RECs associated with downstate offshore wind projects and limited amounts of RECs from existing generation.
- **Specify, expand, and continue emission limit adjustments for density and specific uses:** Alleviate counterproductive disincentives to density and certain economically vital uses by clearly adjusting and extending adjustments past the first compliance period.
- **Specify and extend need-based building-level adjustments:** Set an accelerated, public timeline for rulemaking that includes critical rules governing limit adjustments and penalty mitigation as well as universal criteria, so building owners can determine their eligibility and adjusted requirements as-of-right, rather than through individual petitions. This will encourage building owners to begin planning for compliance in good faith.
- **Allow carbon trading within an owner's portfolio:** Allow owners of multiple buildings to target the most cost-effective emissions reductions across their assets by establishing a carbon trading scheme that allows credits to be traded within a portfolio.
- **Adjust limits and penalties appropriately to the post-pandemic economy:** Study whether LL97 emissions limits or alternative compliance paths in the first compliance period should be modified due to permanent shifts in work patterns, delays in retrofit projects, or financial strain. Adjust limits as necessary to maintain citywide emissions targets.

DOB proposed initial rules for certain aspects of LL97 last week. Specifically, the proposed rules provide methodological information for calculating emissions and emission limits that will allow owners to determine the best energy efficiency strategies to meet their emissions limits. Additionally, the proposed rules include upward adjustments of the emissions limits for several energy-intensive and economically vital building uses, like data centers, grocery stores, and restaurants, alleviating disincentives for these economic activities in LL97, in line with CBC's

recommendation. The release of these proposed rules is a critical and welcome step which begins to provide building owners with the details necessary to make compliance and retrofit decisions.

However, many aspects of implementation were not covered in this initial rulemaking phase. The CBC urges DOB to release the remaining proposed rules in a timely manner and to provide building owners with cost-effective compliance paths that promote investment in emissions reductions, rather than simply paying penalties.



**Submitted Testimony of Con Edison to the  
City Council Committee on Environmental Protection  
Oversight Hearing re Renewable Energy and New York City's Climate Adaptation  
October 13, 2022**

Con Edison supports the City and State's clean energy goals and we are dedicated to leading and delivering the clean energy future as outlined in our [Clean Energy Commitment](#). We continue to invest in our system to build a resilient, 22nd century electric grid that delivers 100% clean energy by 2040. Furthermore, we want to leverage our expertise in developing, owning, and operating renewable generation to add thousands of megawatts of medium- and large-scale renewable generation, like solar and wind, in New York State.

**Building the Grid of the Future**

We are making significant investments in our energy infrastructure to meet our society's net zero goals. These investments include the development of distributed energy resources like energy efficiency and energy storage, proposed "clean energy hubs" to facilitate delivery of 6,000 MWs of offshore wind to New York City, new substations, local transmission projects (e.g., Reliable Clean City projects), and peak demand reduction strategies.

Our electric grid is well-poised to support the transition to heating electrification. Because our system is built to serve our customers' energy use during the hottest summer afternoon (about 13,000 MW) and energy use is currently lower in the winter (about 8,000 MW), many parts of our system can easily support the growth of heating electrification for the coming years. We are already looking ahead to future winter peak demands driven by heating electrification as well as higher summer peak demands driven by electric vehicle adoption, electric hot water heaters, dryers and stoves, and economic growth, and are planning system investments that will support that growth. We are also investing today in the tools, technologies, and processes that will allow us to anticipate and manage future demands so that we are able to continue to offer the safe and reliable electric service that New Yorkers deserve and expect.

**Climate Resiliency Leadership**

Nearly 10 years after Hurricane Sandy took lives, destroyed homes and caused significant power outages, Con Edison has [fortified its energy systems](#) and is planning for the hotter, stormier weather that climate change will bring. We are seeking to invest billions over the next 10 years to increase resiliency and reduce future peak demand through energy efficiency, battery storage, and managed electric vehicle charging, among others. The company's investments in its electric delivery system have already prevented 1.1 million customer outages during weather events. Those upgrades have included placing overhead lines underground, placing smart switches on lines to minimize outages when a tree or branch falls on the wire, and installing stronger poles and wiring. Approximately \$900M in climate resilience projects were included in our latest rate request plan.

**Benefits of Utility-Owned Renewable Generation**

The need for additional renewable generation resources is immediate and immense and Con Edison wants to be part of the solution as part of a comprehensive strategy to reach Climate Leadership and Community



Protection Act's (CLCPA) goals. In its recent outlook<sup>1</sup>, the New York Independent system operator (NYISO) demonstrated the need for an unprecedented pace of project deployment. In that report, NYISO notes that even with the recent uptick in New York's pace of renewable energy resource development, that "the sheer scale of resources needed to satisfy system reliability and policy requirements within the next 20-years is unprecedented."

Expanding renewable generation ownership opportunities to the State's regulated utilities, and other entities should be part of a robust all-hands approach to achieve CLCPA goals timely and cost effectively. Diversifying New York's renewable generation development and ownership models has numerous benefits including significant cost benefits because authorities and utilities can drive down development costs by using lower borrowing and capital costs.

Secondly, utility ownership of large-scale renewables allows for prioritization of policy goals, ensuring that the CLCPA environmental justice goals are achieved.

As a final point and contrary to the statements of interested developers, utility-owned large-scale renewables would not compete for State funds from existing incentive and solicitation programs earmarked for third-party development, thereby protecting their business, and perpetuating our state's primary means of renewable energy development.

#### Constraints to the Clean Energy Transition

Some of our work in building the grid of the future is being impaired by the current property tax framework which raises the cost of the clean energy transition and serves only to compete with the necessary investment in energy infrastructure that is necessary to meet our region's needs. A [partnership with government officials is needed to fix this broken property tax system](#) and we would like to add this item to the larger discussion of inequitable property taxes. This unjust property tax system has already been called out as such by some elected officials, regulators, and advocates. In fact, some PSC Commissioners have expressed major concerns about this issue.

New York is unique in the way that utilities like Con Edison are assessed for property taxes. In addition to paying taxes on our buildings and land like other businesses, utilities in this state are also taxed on the actual infrastructure we build and install. These fees, authorized by the state and collected by municipalities, are called "special franchise taxes". New York is unique in that it taxes not only the real estate but the utility infrastructure in the ground, the pipes, and wires, needed to provide delivery service to our electric, gas and steam customers. Again, this circumstance is different from how other businesses are taxed and has resulted in an ever-increasing tax bill that contributes significantly to higher rates. The special franchise tax also has the unintended consequence of penalizing our customers for needed investments in the system, including to maintain high levels of reliability, storm resilience, and to meet our City and State clean energy goals. For example, if the Company added \$2B of infrastructure investment

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<sup>1</sup>[2021 – 2040 System & Resource Outlook](https://www.nyiso.com/documents/20142/33384099/2021-2040-Outlook-Report.pdf/a6ed272a-bc16-110b-c3f8-0e0910129ade?t=1663848567361) available at:  
<https://www.nyiso.com/documents/20142/33384099/2021-2040-Outlook-Report.pdf/a6ed272a-bc16-110b-c3f8-0e0910129ade?t=1663848567361>





in the City, the Company, and that means our customers, would pay an annual property tax of approximately \$100M on that infrastructure investment.

We will continue to seek support for our investments in advancing clean energy, electrification, resiliency, and ensuring an inclusive and accessible clean energy transition leaves no one behind. We look forward to working with the Council and other stakeholders on this important topic.

## Testimony on Renewable Energy and Clean Energy Transition

Submitted to the New York City Council Committee on Environmental Protection

By Donald Chahbazpour, National Grid

**October 13, 2022**

Chairman Gennaro and Members of the Committee:

Thank you for the opportunity to appear before you today to discuss the important work we are doing at National Grid. My name is Donald Chahbazpour, and I am the Director of Policy and Regulatory Strategy for National Grid.

National Grid is proud to play a vital role in providing electricity and gas distribution service to millions of New Yorkers and thousands of businesses. We are committed to delivering safe, reliable, and affordable energy while building toward a clean energy future that leaves no one behind.

In line with our commitments to meeting the critical climate change mitigation benchmarks laid out in the Climate Leadership and Community Protection Act (CLCPA) and achieving environmental justice, National Grid supports identifying municipal sites that could be used for renewable energy generation and creating a database of subsurface conditions to support better engineering geothermal heat pumps. We have utilized geothermal technology in a Long Island community to reduce emissions, and just submitted our proposal to the Public Service Commission for the geothermal pilots we envision under the recently passed State legislation. Scaling utility-owned geothermal networks will allow innovation, creating access to consumers to more clean energy solutions the fight against climate change.

Both of these proposals align with National Grid's plans to decarbonize our heat and electric business described in our [Fossil Free Vision](#) and [Northeast Clean Energy Vision](#). Our plans envision a future where our existing gas network is decarbonized, delivering renewable sources of energy, much in the same way we are decarbonizing our electricity network.

National Grid has made and will continue to make significant investments in connecting wind and solar as well as improved battery storage and transmission upgrades to ensure the widespread use of renewable electricity. In addition, we are working with our customers to increase adoption of heat pumps as a key strategy to decarbonize New York's heating system. Weatherization and energy efficiency programs also play a large part in carbon reduction, and National Grid is a leader in this space.

Because many buildings and businesses in New York are very hard to electrify, we are also planning a hybrid approach to achieve decarbonization that will replace fossil gas with renewable natural gas and green hydrogen. These are important complements to other renewable energy solutions that ensure reliable and affordable service for New York families and businesses year-round, regardless of the weather, while still reducing emissions dramatically.

As the [Pathways to Carbon-Neutral NYC](#) study we conducted in partnership with the Mayor's Office of Sustainability makes clear, a hybrid plan for the energy transition is the most efficient and cost-effective way to meet the CLCPA's goals.

Electrification indeed plays a crucial role, and we also need to offer a practical and diverse range of clean heating solutions so that customers can choose what best addresses their needs for performance and cost, without endangering the climate goals we all must believe in. Winning the fight against climate change requires that we achieve emissions reductions across multiple sectors -- how we generate electricity, fuel our vehicles, and heat our buildings -- all while ensuring safety, security, reliability, equity, and affordability.

**A coordinated gas and electric decarbonization strategy**, utilizing a diverse set of technologies and strategies, is likely to be **better able to manage the costs and feasibility risks** of decarbonization than scenarios that rely more heavily on single technologies or strategies.

Thank you for the opportunity discuss National Grid's commitment to a clean energy future that works for all New Yorkers; and thank you to the Council for the commitment to address and combat climate change. We urge the Council to consider polices that enable a hybrid pathway, recommend regulatory approvals to provide RNG to our customers, and to establish renewable gas procurement standards for utilities. We look forward to working with you to meet the important goals established in the CLCPA.

Thank you.



October 1, 2022  
Environmental Committee  
NY City Council

Re: NY State Climate Action Council Scoping Plan Resolution 169

I am chair of the NYC 2030 District, a non-profit partnership of organizations and activists confronting climate change. NYC2030 is one of 20 districts across North America counting over 500 MSF of properties as members. We are implementing Heat/Cool Smart Brooklyn, a NYSERDA-funded and Brooklyn Borough President-sponsored community campaign to retrofit buildings with energy efficient heat pumps and weatherization. I speak enthusiastically in support of Council Res. No. 169.

The Resolution calls for the final Climate Action Council Scoping Plan to promote bold climate & environmental justice action in New York. The Climate Leadership and Community Protection Act, committing 40% reduction in carbon emissions and 70% renewable energy by 2030 and 40% of the benefits of climate spending to disadvantaged communities

The State's actions, mandated through the CLCPA, are essential, but woefully insufficient. NYC, its communities, institutions, businesses and stakeholders must do much more.

As the Resolution notes:

- Use of fossil fuels for heating and hot water production in the city's building stock accounts for approximately 42% of the City's total GHG emissions
- Over 69% of New York City's power is produced via fossil fuel combustion
- Decarbonizing New York City's building stock will require an aggressive push toward large scale building electrification, and widespread equitable access to air source and geothermal heat pumps, and energy efficiency upgrades and retrofits

Furthermore:

- Over 75% of NY State's residential buildings are heated by oil or gas.
- According to the 2020 Census, over 33% of homes in NY State, and over 60% of NYC dwellings, are in Multi-Family buildings of 5 or more units..
- This May, Con Edison suspended its Clean Heat Program, an essential source of incentives for building retrofits, after running out of available funds and will not reinstate the program until early '23. The program, a key to facilitating the transition from fossil fuel boilers to efficient heat pumps, has forfeited an entire heating season.
- From 20'20-'22 ConEd spent less than 10% of the \$ 227 Clean Heat Program funding on Multi-Family buildings (>4 units) which account for over 60% of NYC dwelling units.

Governor Hochul has called for the electrification of 1 Million NY State homes by 2030. At the current rate of progress, on the order of 20K homes/year, this target is a complete delusion. There is a large gap between NY State's rate of program funding and its ambitious goals. Unfortunately, the State's clean energy programs are hopelessly siloed and difficult to access, regulations are inconsistent and, as has been mentioned, program funding is too often unstable and program administration is not trustworthy. Stakeholders like property owners, contractors and lenders will not widely participate in programs as they are now implemented and at current levels of support.

The Climate Action Council Scoping Plan can help move NY State toward greater climate progress. Resolution 169 calls for the necessary actions to increase energy efficiency improvements and expand renewable energy with an equitable and inclusive framework.

New York State and New York City must work together to promote these critical opportunities to accelerate climate progress and build upon the CLCPA's initiatives:

- Institute a Whole-Building model for retrofits to maximize resources and achieve complementary benefits. For example, heat pump conversions with weatherization can reduce the sizes of heating/cooling systems to lower energy costs and carbon emissions
- Develop Community-Scale projects for economies of scale in building retrofits and establishment of District Energy Systems and Microgrids
- Greatly expand the technical assistance, funding and financing resources available to Multi-Family properties
- Promote the teaming and coordination of contractors and builders to provide energy efficiency, clean heating & cooling, solar PV and other energy services together
- Support robust workforce training programs for green energy trades

Respectfully Submitted,

Haym Gross, Architect  
Founding Member, NYC 2030 District

Mobile :  
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**Testimony of Alexis Hidalgo  
Equitable Policy and Programs Fellow  
New York League of Conservation Voters  
Committee on Environmental Protection  
Renewable sources of energy production  
October 13th, 2022**

Good afternoon, my name is Alexis Hidalgo and I am the Equitable Policy and Programs Fellow for the New York League of Conservation Voters (NYLCV). NYLCV represents over 30,000 members in New York City and we are committed to advancing a sustainability agenda that will make our people, our neighborhoods, and our economy healthier and more resilient. I would like to thank Chair Gennaro for the opportunity to testify today.

Burning fossil fuels creates harmful air pollution, perpetuates environmental injustice, and exacerbates climate change. Communities of color and low-income communities have borne the [disproportionate](#) burden of our fossil fuel economy. They are more likely to live close to power plants, to the refineries that generate oil and gas, to the petrochemical facilities that produce oil-based chemicals used throughout our economy, and to the ports, highways, and railways that generate toxic vehicular pollution. Due to all of this, New York City actually has one of the country's [highest rates](#) of asthma hospitalizations and deaths among children and young adults, and African American and Latino patients accounting for more than 80% of the cases. Additionally, residents of high-poverty neighborhoods in NYC are [four times more likely](#) to be admitted to the hospital for ozone-attributable asthma.

Thankfully, the City has a multitude of laws and commitments in place to encourage a transition to net zero emissions. These include the city's 80x50 plan to reduce GHG emissions 80% by 2050; the state's Climate Leadership and Community Protection Act of 2019 (CLCPA) to have 100% zero-emission electricity by 2040; NYC's Local Law 97 to reduce building emissions; the city's Gas Ban Bill to eliminate natural gas in new construction; and commitments to electrifying the city fleet and school buses. [These strategies have the ability to remove 10 million tons of carbon dioxide by 2020 and 500,000 pounds of fine particulate matter by 2030, preventing approximately 40 deaths and 100 hospital visits every year.](#) However, these plans should not be the end of electrification and lowering emissions in the City, but just the beginning.

We need to be expanding renewable energy in the City, which is why NYLCV supports Int. 315 and Int. 330.



Geothermal heat pumps can provide low- and zero-emission home heating. This is helpful especially since the majority of homes and businesses currently burn fossil fuels on-site for heating, contributing to over [30 percent](#) of New York's greenhouse gas emissions. This is why we need to make it easier for building owners and utilities to know the best places for geothermal wells, as well as sites where drilling a geothermal would clash with existing use of subterranean areas. Renewable technology such as geothermal energy is then an essential part of improving public health, conserving our environment, and fighting climate change, and Int. 330 cuts red tape to make building more geothermal energy easier for our city.

In addition to expanding geothermal energy, the City should study vacant and underutilized City-owned sites for the potential to be used for renewable energy generation. This would allow for the expansion of renewable energy in sites such as closed and capped landfills and brownfields in the city. Transforming these spaces would reduce emissions and could potentially allow more New Yorkers to benefit from clean energy through programs like community solar.

These bills, which promote renewable and alternative energy sources, will help to reduce our reliance on energy produced from fossil fuels. They will result in cleaner air, reduced greenhouse gas emissions and will also do more to promote through cost-saving technologies that create green jobs and sustainable economic activity.

With ever-increasing energy demand and rising energy costs, it is imperative that New York adopt renewable, sustainable sources of energy production.



**TESTIMONY  
BY THE  
NEW YORK PUBLIC INTEREST RESEARCH GROUP  
FOR THE  
NEW YORK CITY COUNCIL  
COMMITTEE ON ENVIRONMENTAL PROTECTION  
October 13, 2022  
New York, N.Y.**

My name is Megan Ahearn, and I am the Program Director for NYPIRG, the New York Public Interest Research Group. NYPIRG is a non-partisan, not-for-profit research and advocacy organization. Environmental protection, public health, consumer protection, higher education equity, and civic empowerment are our principal areas of concern. NYPIRG is submitting this written testimony in support of New York City Council Resolution 169.

NYPIRG works with students at college campuses across New York, including 10 here in New York City. Generational climate justice is an issue that's front and center for the students we work with. Today's college students are seeing more heat waves, severe storms and flash floods, they are reading dire climate reports from the UN's IPCC, and grappling with what their future will look like.

The time for action on the climate crisis is now. Resolution 169 calls on New York State to approve a strong Climate Action Council (CAC) Scoping Plan. This plan lays out a path to realize New York's 2019 climate law, the Climate Leadership & Community Protection Act (CLCPA). This law moves us off of fossil fuels, cleans up pollution, and moves us to 100% clean energy. Importantly, it has a focus on equity and justice. Passing this resolution will show the state that New Yorkers want to see strong climate action. It will also counter the fossil fuel industry's misinformation and lies to New Yorkers.

New York City is at the forefront of the climate crisis. We are experiencing the devastating impacts of rising sea levels, severe storms, and precedent-setting heat waves that endanger people's welfare and cause severe damage to property and infrastructure.

Our city is a leader in passing policies to address climate change like Local Law 97 and 154 to reduce building emissions and move to all electric new construction. As the recent passage of the IRA has made true, no one level of government can take on this effort alone. Federal action enables greater State and City action, and New York City residents must benefit from and be able to shape the State policies that will enable this transition like the implementation of the CLCPA.

Groups like the American Petroleum Institute have been pouring money into New York to try to undermine the implementation of the CLCPA and weaken the CAC Scoping Plan. Fossil-fuel interests have organized to pass resolutions against the Scoping Plan in municipalities, such as Madison County and Delaware County. It is vital that the New York City Council, representing over eight million people, also weigh in with State leadership to underscore the critical need to support a robust, ambitious, and equitable CAC Scoping Plan.

While the official comment period for the Plan closed on July 1st, the Council has reviewed voluminous public comments and continued deliberations on the contents of the final plan, including through sub-groups on some contentious topic areas like the use of alternative fuels and gas system transition. Now is the time for the City Council to pass this resolution and demonstrate strong political support for a plan that does not sacrifice frontline communities and scientific rigor in implementing the CLCPA, as the CAC is continuing to incorporate public comments into the plan until October 31st.

The draft Scoping Plan is a good start, but it needs to be stronger in opposing the use of fossil fuels, especially methane gas. Resolution 169 specifically states that no new fossil fuel plants should be allowed in our state to protect our public health and our future. A strong Plan protects our public health and combined with the federal climate law, will kick-start our green renewable energy economy.

We know that burning fuels is a major contributor to air pollution causing asthma and cardiovascular disease. We know the City contains a large number of disadvantaged communities: Low-income communities and communities of color that have carried the weight of environmental pollution. Many of these communities like the Rockaways are also vulnerable to sea level rise, and the sea off our coast is rising faster than the global average. We need a strong Plan not just to help us curb climate change, but to ensure that the racial and economic justice principles of the CLCPA are brought into full reality.

We also know that the Plan is projected to have a net job impact of over 200,000 jobs generating new career pathways into clean energy, building efficiency, weatherization, and electrification, and climate resilience and adaptation. The CAC Just Transition Working Group of workforce development and labor leaders has also made recommendations throughout the process in support of wage support, pension support, retraining, early retirement, and holistic planning to support workers and communities.

It is once again time for the City to be a leader on addressing the climate crisis by passing Resolution 169 in support of a strong and effective Scoping Plan that comprehensively implements the CLCPA. On behalf of thousands of NYC students and resident members of NYPIRG, we urge the Committee to support Resolution 169 and recommend its passage by the Council. Thank you for considering our views.



**PEAK Coalition**  
**NEW YORK CITY COUNCIL TESTIMONY**  
**Committee on Environmental Protection**  
**October 13, 2022**

*The PEAK coalition—UPROSE, THE POINT CDC, New York City Environmental Justice Alliance (NYC-EJA), New York Lawyers for the Public Interest (NYLPI), and Clean Energy Group (CEG)— aims to end the long-standing pollution burden from power plants on the city’s most climate-vulnerable people. This coalition is the first comprehensive effort in the US to reduce the negative and racially disproportionate health impacts of a city’s peaker plants by replacing them with renewable energy and storage solutions.*

**The PEAK Coalition strongly supports the bills and resolutions being considered today—Int 315, Int 330, Res 169, and Res 189—which are critical steps in accelerating the city’s progress toward a just energy transition. We also call on the council to make necessary amendments to Int 315 to clearly define renewable energy, incorporate battery storage solutions into this study, and empower city agencies to take rapid action based on the results of this study.**

The New York City government has not even met half of its 2025 solar and storage development targets. The city is also dragging its feet to phase out our reliance on fossil fuels, putting us on a pathway to fail the state-mandated emissions-free energy grid by 2040.

Intro 315 bill does not specify what types of renewable energy the city will study, which leaves a big loophole for fossil fuel interests to slip in false solutions<sup>1</sup> such as hydrogen combustion into this study, technologies that although don’t produce carbon dioxide (CO<sub>2</sub>), are expensive and emit more nitrogen oxides (NO<sub>x</sub>) emissions than burning fossil fuels. This bill should adopt the same definition of renewable energy as Section 66-p of the State Public Service Law, which does not include hydrogen combustion.

Understanding the viability of using stranded properties, including brownfields, for renewable energy development can benefit disadvantaged and other Environmental Justice communities by prioritizing a rapid phasing out of fossil fuel combustion, which severely harms public health and is a major contributor to greenhouse gas emissions. PEAK has conducted and published extensive research on the benefits of co-siting renewable energy generation and battery storage, a method that ensures critical resource reliability and reduces fossil fuel combustion in power plants during peak hours of energy demand. PEAK has also collaborated with the New York Power Authority over the past few years to study and confirm the feasibility of rapidly transitioning NYPA’s fossil fuel peaker plants to battery storage alone. Incorporating battery storage into this study will ensure that we can meet city and states’ storage targets, and improve the resiliency of distributed generation systems.

PEAK further urges the Council to require this report be made public and clearly communicated with communities near sites where renewable energy and storage developments are found to be feasible and suitable, especially on sites that are not feasible for affordable housing

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<sup>1</sup>[New York Renews. False Solutions. 2021.](#)



development. Energy Democracy<sup>2</sup> is a core component of a Just Transition, and we must ensure that energy planning is no longer done in the backrooms of government and regulated utilities. The people have the right to scrutinize and call for a responsible, accountable, and rapid transition process in line with the laws that constitute the Climate Mobilization Act, as well as the Climate Leadership and Community Protection Act (CLCPA).

Finally, we ask the City Council to take urgent action on the results of this study, including requiring the Department of Citywide Administrative Services to hold public hearings or open comments regarding this report, followed by procurement for renewable energy and storage development within weeks after the delivery of this report and to take advantage of benefits and take advantage of opportunities for cities to realize their climate goals and mandates through funding made available by the Infrastructure Investment & Jobs Act and the Inflation Reduction Act.

Additionally, PEAK encourages this committee to pass the bill regarding geothermal siting and Resolution 169 on a Climate Plan to Protect New York. Moreover, PEAK also endorses Res 189 regarding the Build Public Renewables Act, which we strongly support as an additional pathway to retire NYPA's fossil fuel peaker plants and accelerate the development of renewable energy and storage across New York State.

**With necessary amendments to this bill, New York City can affirm itself as a global leader in the transition to clean, affordable energy and can achieve the mandates of CLCPA.**

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<sup>2</sup> <https://climatejusticealliance.org/workgroup/energy-democracy/>



Monday, October 17, 2022  
Testimony in Support of Resolution 0169-2022

Rise Light & Power, LLC (“Rise”) appreciates the opportunity to express our support for Resolution 0169-2022, which calls for the Climate Action Council to draft, and the Governor to implement, a final Climate Action Council Scoping Plan that commits to meeting Climate Leadership and Community Protection Act (“CLCPA”) targets. We write in specific regard to the electricity sector and the importance of retiring New York’s fossil fuel-fired power generation in a manner that maintains reliability in order to meet CLCPA mandates.

Rise is a Queens-based energy asset manager and developer. Our core asset, Long Island City’s Ravenswood Generation Station, is New York City’s largest thermal power facility, which provides more than 2,000MW of generation capacity. For nearly 60 years, the Ravenswood Generating Station has been a vital part of New York’s energy system. Ravenswood proudly employs more than 100 union members from the greater New York metro region. It has continuously delivered safe and reliable service during major weather events, including Hurricane Sandy – during which it provided up to 50 percent of New York City’s energy – and others, like extreme cold weather events such as the “Polar Vortex” and “Bomb Cyclone.” It remains a vital contributor to New York City’s reliability. In July 2022, Rise released its *Renewable Ravenswood* plan, which charts a clear path to retire and replace the 1960s-era fossil fuel generation capacity at Ravenswood with renewable energy sources like offshore wind. Rise is working closely with our union workforce, neighbors (particularly in the four adjacent NYCHA developments – Queensbridge, Ravenswood, Astoria, and Woodside), and environmental justice leaders to implement this plan, leading the way among New York City’s electric power generators to transition in response to the CLCPA goals.

To achieve CLCPA goals in a timely fashion, New York must proactively address reliability concerns, or it will continue to need fossil fueled resources in 2030, 2040, and beyond. Maintaining downstate grid reliability is the biggest obstacle to building a zero-emission grid. These concerns are particularly acute with respect to the challenge of replacing downstate fossil fuel-fired facilities. Beneficial electrification of the building and transportation sectors is expected to nearly double New York’s electricity demand, even with aggressive energy efficiency and other load management measures, further magnifying the complexities of system operations downstate. Maintaining reliability while also interconnecting gigawatts of intermittent renewable onshore and offshore generation will require thoughtful, carefully staged, creative, and proactive policies. Without such policies, it is likely that retirement of fossil fueled generation will be delayed to ensure sufficient capacity and energy is available to meet the needs of New York City consumers while maintaining the reliability of the downstate grid.

Rise’s efforts and plan to reliably and cost effectively transition the Ravenswood facility to a clean energy hub is a microcosm of this challenge and can serve as both a state and national model for similar facilities. Transitioning Ravenswood as planned will create cost-effective alternative uses for the site that contribute to the CLCPA’s goals, while making sure that New York can continue to meet its electricity needs and



**RISE**  
LIGHT & POWER

delivering a just transition for our union workforce. In addition, encouraging the transition of existing resources will efficiently use the existing transmission and distribution system capabilities.

We thank the New York City Council for the opportunity to express our support for Resolution 0169-2022 and for the CLCPA in general. Rise looks forward to working with the Council towards achieving a more sustainable and just future.



## **Natural Resources Defense Council, Urban Green Council, and Regional Plan Association**

### **Testimony Before the New York City Council Committees on Environmental Protection**

**Re: Res. 169 and Int. Nos. 330 and 315**

October 13, 2022

Good afternoon Chair Gennaro and members of the Committee on Environmental Protection:

We are testifying today on behalf of Urban Green, NRDC and the Regional Plan Association (RPA). Urban Green Council is a nonprofit organization working to decarbonize buildings for healthy and resilient communities. NRDC is an environmental nonprofit that has been advocating for clean energy policies and programs in New York for more than 50 years. RPA is an independent non-profit civic organization that develops and promotes ideas to improve the economic health, environmental resiliency, and quality of life of the New York metropolitan area.

We appreciate the opportunity to testify today on the City's continuing role to lead in the fight against climate change and advancing clean energy access in New York City, including heat pumps and renewable technologies.

***City Council should pass Res. 169 to show NYC's full support for a strong CLCPA Scoping Plan.***

2019 was a big year for bold action on climate in New York: as the NYC Council adopted its landmark Local Law 97 building performance legislation, the state was advancing aggressive climate policy with the adoption of the Climate Leadership and Community Protection Act (CLCPA). The CLCPA is one of the strongest laws of its kind in the country, requiring carbon neutrality across all sectors of the state by 2050, as well as ambitious specific climate and clean energy targets. It also holds a central focus on equity and disadvantaged communities, including through the reduction of co-pollutants and requiring that 35-40% of overall benefits accrue to those communities.

The NYS Climate Action Council (CAC) was tasked with developing the state's Scoping Plan for how we will achieve the ambitious CLCPA targets. The CAC released a strong Draft Scoping Plan at the end of 2021, which was open for public comment through the end of June 2022. Taking that public feedback into account, the CAC will release a Final Scoping Plan by the end of this year.

We strongly support the passage of NYC Council's Resolution 169 because it is critical that the Final CLCPA Scoping Plan remain as strong as possible in order to meet the law's climate, clean energy, and equity targets. Doing so will lead to bold climate and environmental justice action in New York, and will deliver a myriad of benefits to all New Yorkers, including lower toxic air pollution, thousands of new family-sustaining local jobs, and a greater quality-of-life.

The State's Scoping Plan will also play an important role in leveraging the success of key City climate legislation like Local Law 97. The Plan contains key recommendations to significantly scale up energy efficiency and building electrification, which are critical pieces of the pathway to achieving our city and state climate goals.

There is well-funded and formidable opposition to the State's groundbreaking CLCPA and draft scoping plan that stands to benefit financially from continuing the status quo. But the reality is that a strong Plan to meet the state's climate and equity commitments is good for all New Yorkers. The CAC's modeling demonstrates many economic and livelihood benefits of transitioning away from fossil fuels, including:

- The cost to New York's economy for remaining dependent on fossil fuels is over \$100 billion more than the cost of investing in a clean energy future.
- Replacing fossil fuels with clean energy will prevent \$170 billion dollars in health-related damages to New Yorkers by 2050 due to fewer premature deaths, respiratory ailments, and other illnesses.
- NYS currently spends \$27 billion every year to power our lives with fossil fuels that come from beyond our borders. A strong CLCPA Scoping Plan will ensure that the energy investments made to power the state's economy actually accrue to benefit New Yorkers, keeping energy dollars in the state.
- The investments required to capture these benefits are small relative to the size of New York's economy.

It is thus important that leading municipalities like New York City weigh in with their support. New York City is a leader on climate action, not only with respect to adopting *local* initiatives, but also because of its powerful, critical voice influencing state-level policy. Passing Resolution 169 will demonstrate strong support from the state's largest municipality for a CLCPA Scoping Plan that ambitiously leads to a better climate, prioritizes the most vulnerable communities, and a healthier future for all.

***Passing Intros 315 and 330 will illuminate new opportunities to advance heat pumps and renewable energy deployment within the City of New York.***

Intro 315 will require the Dept. of Environmental Protection to assess and identify suitable vacant and underutilized municipal sites that have the potential for renewable



energy development. With limited opportunities for siting new clean energy projects within NYC's densely developed landscape, finding new opportunities in spaces that are already owned by the City will be another tool we have to continue to scale up clean technologies like solar PV and storage, securing new local air quality and jobs benefits.

Intro 330 will further support the deployment of heat pumps across the City by creating and maintaining a database of subsurface conditions, geothermal bores, and geothermal energy installations. This database will help NYC to support the engineering and design of geothermal heat pump systems, which are another part of our broadening toolbox to reach wide-scale building electrification and meet Local Law 97 targets.

Intros 315 and 330 will help NYC meet our shared climate commitments in the City and the State, and we support the Council's passage of both bills.

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New York City continues to be a leader in the fight against climate change. Each new report from the Intergovernmental Panel on Climate Change paints a grimmer picture of the costs of climate inaction. The National Oceanic and Atmospheric Administration's [Billion Dollar Weather and Climate Disasters](#) database shows the devastating storms New York has suffered in recent decades: Superstorm Sandy ten years ago topped the charts with the greatest human and economic losses, with Hurricane Ida in 2021 coming in second. Climate change is not a hypothetical crisis; we're already in its throes and we need to take smart, aggressive action now to do all we can to mitigate its harmful impacts. The measures being considered in today's hearing will continue to demonstrate NYC's long-standing commitment to this challenge.

Thank you for the opportunity to testify today regarding these important issues. Urban Green Council, NRDC and RPA look forward to continuing to work with the Council to advance clean energy in New York and maintain New York City's strong climate legacy.

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October 10, 2022

**Councilmember James Gennaro**  
Chair, Committee on Environmental Protection  
New York City Council

**Re: In support of Resolution 169, a Climate Plan to Protect New York**

Dear Chair Gennaro,

I write in strong support of Resolution 169, and urge City Council to pass it immediately and without further delay. Fossil fuel interests are lobbying hard to weaken the final Scoping Plan to implement the CLCPA, but New Yorkers need a strong and robust Scoping Plan to protect our lives, property, livelihoods, and health from the ravages of climate change.

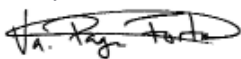
The CLCPA emissions targets are reasonable, and in line with scientific evidence of what is needed to protect New York City (and the world) from the worst effects of climate change. The damage that climate change will do is no longer abstract and in the future. It is here now, as New York learned in Hurricane Sandy, and as we continue to experience record heat in the City. We cannot afford to have these targets weakened or extended to enable fossil fuel companies to continue to make absurd profits at the expense of the interests of ordinary citizens.

Strong and timely implementation of the CLCPA will have other positive effects for New Yorkers as well – cleaning the air we breathe (an issue of particular interest to me as the mother of a child with asthma), creating green jobs for the future, and creating safer streets and a more livable New York.

The Final Scoping Plan should thus be released on time, and in the strongest possible form. New York City is positioning itself as a leader on climate, but we need all levels of government to stand up to the efforts of fossil fuel companies.

Passage of Resolution 169 signals that New York City is fully in favor of a robust and effective CLCPA. Please do not let the greed of fossil fuel companies come before the health and well-being of New Yorkers.

Thank you.

A handwritten signature in black ink, appearing to read "Page Fortna".

Page Fortna

When, in 2019, the New York State legislature passed the Climate Leadership and Community Protection Act, NY became a leader of progressive legislation in our country and in the world. This Act marked a turning point in New York State's efforts to combat climate change and transition the economy to electrification and renewable energy, prioritizing disadvantaged communities. As the Council knows, this law mandates a 40% reduction in greenhouse gas emissions from 2005 levels by 2030, 70% renewable energy by 2030, 100% zero-emissions electricity by 2040, and an 85% reduction in greenhouse gas emissions by 2050. It also requires that 40% of the benefits of spending benefit disadvantaged communities.

According to the mandates of the CLCPA, a Climate Action Council was formed and has written a draft Scoping Plan for public comments and review. Since that time, fossil fuel emitters and fossil fuel lobbyists such as the American Petroleum Institute have lobbied to curtail the ambition and timeliness of the plan for those business interests who stand to benefit from a continued reliance on business-as-usual fossil fuel dependency, including the propane industry and gas utilities.

New York City has shown its willingness to pass policies such as the LL 97 to address the climate crisis that we are now in the midst of. The city, state and the federal government must all take part in leading the effort to combat climate and those who would look to leave us at the status quo in order to profit monetarily.

As the draft Scoping Plan stands now, it is projected to have a net job impact of over 200,000 jobs, net societal benefits compared to the cost of inaction of 100 billion dollars, and will generate new career pathways into clean energy, building efficiency, weatherization, electrification, and climate resilience and adaptation.

California has now enacted many laws that puts that state at the forefront... we can and we should leap ahead and make the Scoping Plan the most robust, ambitious and workable plan to make the CLCPA the strongest in the land.

**New York City Local Resolution 169**  
**Testimony by Amanda Sachs**

My name is Amanda Sachs, I am a resident of Brooklyn, New York, and I support Resolution 169. I've worked in the climate policy sphere for over five years, not because I have a particular interest in the natural environment, but because I care about people, and I care about New York. I was born into the climate crisis driven by the fossil fuel industry and massive inefficiencies and outdated ways of living in the world. But New York City has been a leader in passing policies to address climate change like Local Law 97, it has led on electrifying and prioritizing public transit as the mode of transportation and electrifying buildings.

The scoping plan matters because the real-time impacts of climate change in New York are only projected to grow and the scoping plan has guidelines created to change state regulations and legislation to meet the climate goals that state agencies, by law, will need to follow. It also helps set up beneficial outcomes for historically underserved communities such as BIPOC and low-income communities for years to come.

Over the course of this year, stakeholders and community members have commented and testified on the plan at public hearings and through public comment. Additionally, municipalities have reviewed the plans and passed resolutions in support or in opposition to it. New York City must make the statement that we support the state's climate law, and the most equitable and effective scoping plan possible.

**Audrey Stanton**

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New York, NY 10002

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October 12, 2022

**Councilmember James Gennaro**

Chair, Committee on Environmental Protection

New York City Council

**Re: In support of Resolution 169, a Climate Plan to Protect New York**

Dear Chair Gennaro,

My name is Audrey Stanton and I'm a New Yorker living in the East Village. As a young millennial I am distraught about climate change and the uncertainty of my future. This is why I am writing to urge the City Council to pass Resolution 169 immediately.

It is essential that this resolution, for the implementation of a Climate Action Council Scoping Plan, move forward without further delay because of our city's current climate goals. If New York is to keep its commitment to becoming "a net-zero carbon economy by 2050, a 100% zero emission electric sector by 2040, a 40% reduction from 1990 levels in statewide greenhouse gas emissions by 2030, and 70% renewable energy by 2030" then we must act now.

This is not only important for those feeling the effects of the climate crisis as we speak, but benefit our system financially. Resolution 169 clearly states that the drafting and carrying out of a "robust Scoping Plan which would meet the CLCPA will outweigh the costs by over \$90 billion dollars."

NYC must take a stand against climate change and the fossil fuel industry which powers it by pushing for the strongest Scoping Plan possible, as soon as possible.

Thank you for your time,

Audrey Stanton

David Rysdahl  
West 117<sup>th</sup> St.  
New York, NY 10026

October 11, 2022

Councilmember James Gennaro  
Chair, Committee on Environmental Protection  
New York City Council

Re: In support of Resolution 169, a Climate Plan to Protect New York

Dear Chair Gennaro,

My name is David Rysdahl, and I'm writing to ask the City Council to pass Resolution 169 immediately without further delay. New York State passed the CLCPA in 2019. It was a huge win for the health and well-being of our people, our environment, and our economy. Since its passing, the CLCPA has been under attack from the fossil fuel industry. This resolution will send a clear message that the city of New York stands with the bill, and we won't stand by and watch a small minority of fossil fuel companies weaken the bill. Our city is already in the cross hairs of the climate crisis. We are nearing the 10 year anniversary of Sandy, a storm caused by warming waters, and this summer was once again the hottest on record. Our citizens suffer from higher rates of asthma and heart disease. But the CLCPA isn't just good for the city. Much of upstate spent most of September in a drought. My farming cousins talk about how the last five years the land has been either too dry or too wet, and we are just at the beginning of the crisis. This law will help my cousins, it will help the land, and it will help transition us into a green economy. Some (like the fossil fuel companies) will say our investments in clean energy are too costly, but how much did Sandy cost us? How much will the next drought or the next flood cost us? It is much wiser and cheaper to invest in the green transition than to wait and pay more for the preventable devastation that will come if we do nothing. Passing the CLCPA was a huge moment in our state's history- it's a decision that historians will look back on as pivotal to our state's economy and health, but we need the scoping plan so we can get to work! The future is green, and now is the time to move so our work force isn't left behind. We need to keep pushing to make the promises of the CLCPA a reality. And passing Resolution 169 will show the state that our city wants to keep these promises we've made to ourselves, to our children, and to our future.

Sincerely,  
David Rysdahl



**Delia Kulukundis**

Thomson Avenue,  
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dkulukundis@gmail.com

October 4, 2022

**James Gennaro**

Chair, Committee on Environmental Protection  
New York City Council

**Re: In support of Resolution 169, a Climate Plan to Protect New York**

Dear Councilmember Gennaro,

I applaud the City Council, the Committee on Environmental Protection, and Councilmember Restler for introducing Resolution 169. **The City Council must pass Resolution 169 immediately** - and in doing so, declare New York City to be fully in support of the decarbonization targets and timelines set out by the Climate Leadership and Community Protection Act and the Climate Action Council's Scoping Plan to meet those targets. The Climate Action Council must release its Final Scoping Plan on time, and without being weakened by the fossil fuel industry. By declaring its support for the Scoping Plan, New York City can counteract the fossil fuel industry's lies and delay tactics, but only if we pass this Resolution in a timely manner, since conservative counties have already passed resolutions against the Scoping Plan.

Burning fossil fuels - in our buildings, cars, and power plants - not only causes climate change, but it harms our health. New York City residents suffer respiratory diseases caused by air pollution at a disproportionate rate. Resolution 169 appropriately mentions the disproportionate air pollution burden that City residents suffer from peaker plants, and the need to block all new fossil fuel projects in the City, including "repowered" fossil fuel power plants.

New York City stands to benefit immediately from bold climate action, because such action protects our health today. Air pollution harms the most vulnerable - including children, pregnant women, and the elderly. Ceasing burning fossil fuels would reduce rates of asthma, dementia, and poor pregnancy outcomes. At the same time, cleaner air would improve life in New York City - from educational outcomes to health of our elders, to the enjoyment of food in an outdoor cafe (without the taste of exhaust).

Because we stand to benefit from climate action immediately, the Council must do everything possible to bring about that action immediately. That includes passing Resolution 169 without delay - so that the Climate Action Council knows that a city of over eight million people has its back.

Sincerely,  
Delia Kulukundis

Georgi Page  
Brooklyn, NY  
gpageonline@gmail.com

October 13, 2022

Councilmember James Gennaro  
Chair, Committee on Environmental Protection  
New York City Council

Re: In support of Resolution 169 a Climate Plan to Protect New York, as well as 189, 315 and 330,

Good afternoon Chair Gennaro and members of the Committee on Environmental Protection.

My name is Georgi Page and I am testifying in support of Resolution 169 and a strong, courageous, rigorous Scoping Plan from the state Climate Action Council that will meet our CLCPA mandates. I also support Resolution 189, and Intros 315 and 330. First, I want to thank Councilmembers Restler, Hanif and others for consistently championing critical environmental legislation, as well as resolutions like this, and never taking their eyes off of the ball.

I am a private citizen who for the last 3 years has dedicated around 10 hours of nearly every week to doing everything I can to help forestall or mitigate the impending crisis of global warming. Our group, 350Brooklyn, is composed of volunteers who nevertheless mobilized 100s of responses to the scoping plan. I hope that, in this government that is theoretically “of the people, for the people, and by the people” our voices might hold some weight against the constant lobbying onslaught of fossil fuel interests, whose only motivation is greed. Not wildlife, not the future, not our children’s health: greed.

What moved me to come here today? I am not motivated purely by altruism, on most days I am motivated by anxiety! I’m supposed to be helping my partner start a contracting business so that one day we can build our passive dream home - I’ve already designed the logo and priced out t-shirts! But these climate questions haunt me: Where can we build? Where will it be safe from drought, wildfires, power outages, or on the other end of the spectrum: flooding, tornadoes, hurricanes and the escalations of fear and war? While I do realize that the vast majority of people on our planet don’t have the luxury of thinking about building their own businesses or dream homes (they are thinking about potable water and educating their daughters) the reality is that we are all connected and everything is at stake; our fates are intertwined.

Therefore, increasingly citizens, consumers, activists - and you, our elected officials - are called upon to do something that does not come naturally to the average American: we must think

globally. We must take very seriously the task of calculating our global impact AND our energy security as a part of this conversation. More and more we are starting to see that the toxicity of oil - and its extraction and its marketing - corrodes everything it touches; so we must hasten its obsolescence. In fact, in New York State offshore wind, solar and even geothermal energy will soon come online, powering hundreds of thousands of homes and businesses. We are right on the cusp of an energy revolution that can create a safer world, and more prosperity for more people...as long as we can avoid getting trapped into a brand new co-dependent relationship with the oil industry and the expensive hydrogen fuel cells and so-called 'eco' fuels that they are peddling. Don't be fooled: the new fuels that are just as bad as the old fuels and we are running out of time.

I was also moved to come here today by the lies being spread by fossil fuel interests like the American Petroleum Institute and their phony activist front groups: 'New Yorkers for Affordable Energy', and 'Energy Citizens'. These groups are desperate, and they are still succeeding in spreading dangerous misinformation. Just a few months ago, these corporate shills launched a television ad to drum up opposition to the All-Electric Building Act [AEBA] using bald-faced lies, and sellout politicians. The ad claims that the bill would "ban gas stoves and furnaces... sticking you with a \$30,000 price tag to replace them." The truth is that the bill actually only applies only to new construction, so no one would be required to replace their stove or furnace.

Oil industry lobbyists also want us to believe that renewables are more expensive and less reliable than fossil fuels. But, the AEBA would actually "save an additional 4 million metric tons of CO2 by 2040 beyond the reductions already expected from NYC — the equivalent of keeping 870,000 cars off the road for one year." And, further, moving to all-electric buildings could **save** New Yorkers money by improving air quality and eliminating the "construction of costly new gas lines to new buildings, which will save ratepayers hundreds of millions of dollars on their utility bills.", according to the newsletter [Popular Information](#).

These lies are not cute, they're not cheeky - they are dangerous, they are lethal. Perhaps they are even litigable?! Our narratives, our stories, our ground game must be stronger than theirs. Resolution 169 helps to counter their efforts.

**We can't move forward if we keep letting them drag us back.**

Some of you may have also been paying attention to the recent coverage of Hurricane Ian. Across the Gulf Coast lives have been completely uprooted and billions of dollars in damage will have to be repaired. And how long the repairs last is anyone's guess - because the next storm will definitely be worse. Shockingly it only takes a 1°C rise to amplify these storms into catastrophes :

*"The science is well-known. Higher average temperatures lead to warmer ocean waters which in turn causes more evaporation. As hurricanes pass over, they absorb more*

*moisture, leading to heavier rainfall. Warmer waters linked to climate change also increase the storms' wind speed, and can cause hurricanes to undergo so-called "rapid intensification" more often. In less than a day, between Monday and Tuesday, Hurricane Ian became 67% stronger; the stretch of water the storm traveled over was a full 1°C warmer than average, largely due to climate change. Rising sea levels also multiply the flooding danger from what is often the deadliest aspect of a hurricane: storm surge, helping to push flooding further inland. - [Time](#)*

But one community, Babcock Ranch, was bold and courageous and resolute enough to plan ahead! They buried their power lines and built drainage ponds surrounded by wetlands. They grounded their strategy in fact and installed 100s of acres of solar panels, like we have the opportunity to do right here in New York City, right now - on a repurposed Rikers Island, along with a state of the art Wastewater treatment plant. After the storm their recovery time could be measured in mere hours, instead of lives lost and months and years of rebuilding.

For all our swagger and braggadocio New York City is not immune from the climate crisis. New Yorkers are already experiencing the devastating impacts of rising sea levels, severe tropical storms, and record heat waves that endanger people's welfare and cause severe damage to property and infrastructure. When I moved here from Seattle I had never owned an umbrella, now I have an umbrella, chest-high waders, 2 pairs of rubber boots and a moisture-proof duffel bag in case I need to wade through sewage to unclog a drain or help a neighbor.

So, our world is becoming scarier by the day. But we in this room have the power to change the narrative, and with the narrative we have the power to make resolutions and laws, and with that commitment we can change the future. With the frequency of global climate disasters rapidly accelerating, we must not miss ANY opportunity to aggressively pursue and support the strongest possible Climate Action Council Scoping Plan that commits to meeting CLCPA targets and bold climate and environmental justice action in New York.

I want to also voice my support for the following:

- [Int 0315-2022](#) - Identifying all vacant and underutilized municipally-owned sites that would be suitable for the development of renewable energy and assessing the renewable-energy generation potential and feasibility of such sites.
- [Int 0330-2022](#) - Requiring the creation of a database of subsurface conditions to support better engineering of geothermal heat pumps.
- [Res 0189-2022](#) - NYS Build Public Renewables Act (S.6453/A.1466C)

Joanna Oltman Smith — Testimony before NYC Council Environmental Committee in Favor of Resolution 169 — September 21, 2002

Over the last decade, I've worked alongside thousands of other New York citizens to pass the Climate Leadership and Community Protection Act. Some of us even sprawled out on floor of the New York State Capitol in front of the Executive Chamber doors, risking arrest and staring at State Trooper boots, while inside the former Governor was slowly, ever so slowly, changing his mind and eventually listening to our State Representatives who we finally in 2019 convinced to vote the CLCPA into law.

Which is to say, I had Great Interest in how the Climate Action Council would get down to work. Watching various CAC zoom meetings, I rooted for the Scientists and representatives from environmental conservation and justice organizations who spoke truth to the fear-mongering industry shills who had bought their way (with big campaign donations!) onto the council. Given all that, it is Something of a Miracle that the end result of the CAC's deliberations have resulted in a Scoping Plan that robustly pursues a rapid and just transition to a low emissions future for New York State. The plan is sensitive to the needs of all communities, investing heavily in those where the negative health and societal outcomes of the Old Ways of doing business are most pronounced.

Let's be clear: This scoping plan poses an existential threat to the fossil fuel industry, and they are pushing back hard, spending millions of dollars lobbying localities to undermine it.



The New York City Council — which represents nearly half of all New York State residents! — MUST adopt Resolution 169 to bolster the Scoping Plan, this essential statewide approach to combating the climate breakdown we are seeing in Real Time all around us.

I'll end by mentioning that only midway through this New York Climate Week, I already have heard top executives at multinational banks who continue to invest full steam ahead in fossil fuel infrastructure, as well as leaders from the top think tanks and educational institutions who advise them, ALL complain how hard it is to invest in green energy and mitigation solutions because they lack the models and instruments to accurately weigh the financial risk these investments pose. What they REALLY lack is a way of calculating, of quantifying the paradigm shift required to save us all from the Existential Risks of societal and environmental collapse that climate change poses. That's where government Must step in with sound policies and laws that give them no choice other than to invest in a clean, green future. The Climate Action Council's Scoping Plan does just that. Thank you.

## Stop The Chop NY/NJ testimony before Committee on Environmental Protection

October 13, 2022, 1 pm

Committee Chair Gennaro and other distinguished committee members, I am Ken Coughlin, a Board Member of Stop The Chop NY/NJ, and we strongly support Resolution 169.

Stop The Chop NY/NJ is a non-profit grassroots volunteer organization that was formed to ban nonessential -- meaning sightseeing and commuter -- helicopter traffic in the New York metropolitan region.

Helicopters are among the most carbon-intensive modes of transportation. Some of these craft still even burn leaded fuel, which was banned by the EPA 25 years ago.

Close to 100,000 nonessential helicopter flights originate from New York-area heliports each year. Despite sporadic efforts to reduce this number, conditions have only worsened. In the last five years, New York City's 311 system saw a more than 2,000 percent increase in noise complaints related to helicopters.

In June, the New York State legislature took a good first step toward giving all of us some relief when it passed the Stop the Chop Act, which will allow New Yorkers and the New York Attorney General to sue certain helicopter companies for excessive helicopter noise. We urge Governor Kathy Hochul to sign this bill without further delay.

We also urge the governor to close the West 30<sup>th</sup> Street Heliport located in Hudson River Park to nonessential helicopter companies. Situated between the country's busiest bike and recreational path and the Hudson River, this park is actually contributing to climate change rather than reducing it due to the heliport's presence. Every time a helicopter departs, lands or refuels, it dumps toxic emissions on all those below its path or near the heliport, with cyclists, runners, pedestrians, rollerbladers and kayakers breathing in noxious jet fuel.

More broadly, many of New York City's Environmental Justice neighborhoods are directly under the paths of commuter and tourist helicopters. These include Manhattan's Three Bridges, Brownsville in Brooklyn and Old Astoria in Queens.

If we are to meet the goals of the Climate Protection Act and avert the worst effects of the crisis upon us, every transportation mode must be held to a new and urgent CO2 standard. Helicopters are the literal low-hanging fruit in this effort.

Lynn Tondrick  
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October 13, 2022

Councilmember James Gennaro  
Chair, Committee on Environmental Protection  
New York City Council

Re: In support of Resolution 169, a Climate Plan to Protect New York

Dear Chair Gennaro,

**I am writing to request that the City Council pass Resolution 169 immediately without weakening or delay.** In order to stay within the bounds of the CLCPA goals (committing New York to a net-zero carbon economy by 2050, a 100% zero emission electric sector by 2040) NYC must move off of fossil fuels. That includes our buildings. We need to move to a 100% zero-emission electric grid to protect public health and with no new fossil fuel power plants, or fracked gas infrastructure. Sunset Park, the community where I live is on the waterfront and vulnerable to sea level rises. It is also an environmental justice community where the incomes fall below the levels of much of the city. My community needs to be protected from the ravages of the climate crisis that are headed our way. We will need help to move to solar and electric on our buildings. A strong proposal will allow for this help. Clean energy can drive economic growth and good paying jobs . Let's stop the handouts to Con Ed, and Keyspan and oil and gas polluters. I support the Council of the City of New York calls for the Climate Action Council to draft, and the Governor to implement, a final Climate Action Council Scoping Plan that commits to meeting CLCPA targets and bold climate & environmental justice action in New York. Let's get it done while we still can.

Sincerely,

Lynn Tondrick

To the City Council members on the Committee on Environmental Protection,

My name is Milo Gordon. I'm a resident of District 2. I urge you to pass Resolution 169, which calls on NY to approve a strong Climate Action Council Scoping Plan. It's been over 3 years since the passage of the Climate Leadership and Community Protection Act. We are long overdue for a strong plan to implement this policy. Such a plan would allow NY to do its part to transform the energy system off of fossil fuels and onto clean energy. Fossil fuels are polluting our air, water, and soils, which contribute to public health issues like asthma, cardiovascular disease, and preterm birth. Fossil fuels are also exacerbating the climate crisis. We need a plan that centers racial and economic justice, to clean up existing pollution, and transform our energy system so all New Yorkers can live, work, and play in healthy neighborhoods and to fight for the future of our planet. Resolution 169 would help us have a stronger stance against fossil fuels, for instance by specifying that we should not build any new fossil fuel plants in our state.

As a resident of the Lower East Side, I am passionate about climate justice. I live a few blocks away from the Con Edison power plant on 14th Street. When I walk too close to the plant, I get headaches from breathing the air. The Lower East Side is historically home to a high population of low-income people and people of color. For too long this community has been disproportionately burdened by fossil fuel pollution, and by virtue of its proximity to the East River, is vulnerable to hurricanes, storm surge, and sea level rise. We need Resolution 169 because we need a strong plan to fight the climate crisis while centering racial and economic justice so that neighborhoods like mine receive the support they deserve.

When I was 13, I saw Hurricane Sandy devastate our city. I remember the darkened traffic lights and walking up and down the stairs of our building by flashlight. I went to high school on the LES, just one year after Sandy. I still heard stories of how our school was flooded and how the students had to relocate to another school. I heard about neighbors living in NYCHA housing left in the dark. A decade later, many NYC communities still have not fully recovered from Sandy.

I work as a research assistant and study the effects of fossil fuel pollution and climate change on public health. All day, I study the health problems caused by wildfires, particulate matter from fossil fuel pollution, extreme heat, and other extreme weather events. We are already suffering from fossil fuels, and things will only get worse unless we act. As a member of We Act and the Sierra Club, I implore you to pass Resolution 169 because we need a strong climate plan.

We are in a critical moment in the climate crisis, and yet politicians keep making the wrong decisions as if we had any time to waste. The Supreme Court decided to limit the powers of the EPA—a cutting blow to our capacity to make change at a federal level. And even as we passed the IRA, it included various concessions for fossil fuel companies. We desperately need local and state action. Passing Resolution 169 is a way for us to make sure NY does its part.

Thank you.

Milo Gordon, District 2. ([milogordon1999@gmail.com](mailto:milogordon1999@gmail.com); )

Paul Connor  
Lincoln Place  
Brooklyn, NY, 11238  
[paulrobertconnor@gmail.com](mailto:paulrobertconnor@gmail.com)

October 12, 2022

Councilmember James Gennaro  
Chair, Committee on Environmental Protection  
New York City Council

Re: In support of Resolution 169, a Climate Plan to Protect New York

Dear Chair Gennaro,

I am a Brooklyn resident and deeply concerned about climate change, which I consider a defining moral challenge of our time. As a parent of a beautiful two year boy it is incredibly important to me that we do everything we can to safeguard his future, and the generations to follow him.

I am writing to express my full support for resolution 169, a Climate Plan to Protect New York. It is vital that we pass this resolution as soon as possible so that the Scoping Plan doesn't get weakened before its release this year. As the Resolution shows, New York City is fully in favor of the CLCPA, and the strongest possible Scoping Plan to implement it. However, these have been under attack from the fossil fuel industry, and we need NYC to come out as strongly as possible in support of the Scoping Plan and the CLCPA as a whole, and make sure that the CLCPA emissions targets are not weakened or their timelines extended.

Our health and climate stability, and our children's future, are all more important than fossil fuel industry profits.

Sincerely,

A handwritten signature in black ink, appearing to be 'Paul Connor', with a stylized flourish at the end.

Paul Connor

Sara S. Gronim

Prospect Park West

Brooklyn, NY 11215

[Sgronim@erols.com](mailto:Sgronim@erols.com)

October 4, 2022

**Councilmember James Gennaro**

Chair, Committee on Environmental Protection

New York City Council

**Re: In support of Resolution 169, a Climate Plan to Protect New York**

Dear Chair Gennaro,

I write in strong support of Resolution 169, a Climate Plan to Protect New York and its immediate and public adoption by the New York City Council. By adopting this resolution, the New York City Council would show its commitment to protecting the health and well-being of all New Yorkers.

As recent weather events have all too clearly shown, global heating has already generated stronger and more frequent storms, with their threat to human lives, to critical infrastructure on which we all depend, and to people's property. This is just one of the many outcomes of our use of fossil fuels, and one that will become even more common as greenhouse gas emissions continue. The 2019 Climate Leadership and Community Protection Act is explicitly designed both to curtail New York State's GHG emissions and to build resilience against the worst of global warming's impacts. The Climate Action Council's Scoping Plan, with its concrete recommendations for the whole gamut of actions we New Yorkers can take to put the CLCPA into action, should be embraced wholeheartedly by all New Yorkers. I commend the City Council for its recognition of the significance of this process for the future of us all.

The kinds of solutions that the Scoping Plan will likely recommend will benefit all our New York City neighborhoods. You have already mandated a transition to electric

school buses, which not only lower our ghg emissions but give us cleaner air and better health. You have already determined that new buildings will be built fossil free, another great step forward. The CAC's Scoping Plan supports many other interventions that will lower pollution in our neighborhoods, enhancing health and well-being, such as Zero Waste practices, green infrastructure, and alternative mobilities. Beyond that, the Scoping Plan proposes projects that are beyond the scope of the city yet ones we need such as utility scale renewable energy projects with associate transmission lines and offshore wind. These innovations will be enormously beneficial to all of your constituents.

Thank you for bringing Resolution 169 forward. I urge your fellow Council Members to pass it with full support.

Sincerely,  
Sara S. Gronim



**Sarah Orleans Reed**

### Windsor Place  
Brooklyn, NY 11215  
[sarah.o.reed@gmail.com](mailto:sarah.o.reed@gmail.com)

October 5, 2022

**Councilmember James Gennaro**

Chair, Committee on Environmental Protection  
New York City Council

**Re: In support of Resolution 169, a Climate Plan to Protect New York**

The climate policy leadership of New York State and New York City over the last several years has made me proud to be a New Yorker. While national polls repeatedly show that the majority of Americans want to see immediate and robust climate action, most states are still captured by the fossil fuel industry, and allow this powerful minority stakeholder to set the agenda.

New York is one of only a few of states that has listened to its citizens rather than a corrupt and dying industry, by passing serious legislation that meets the seriousness of the crisis.

But for now, these good policies -- like the Climate and Community Protection Act at the State level, and Local Law 97 at the city level -- are just words on paper. They will mean nothing unless we implement them fully, with the speed and discipline that the climate crisis requires. It's time to put our money where our mouth is.

I believe New Yorkers can and will raise to the challenge, but it will take the majority of us standing up to the rich and well-connected minority. This is why passing Resolution 169 is so important. **Policy-makers in Albany need to know that New York City will have their back when they release the strongest possible CLCPA Scoping Plan.**

As reflected in Resolution 169, we need the CLCPA Final Scoping Plan to:

- Be released on time and in the strongest possible form;
- Contain the original CLCPA emissions targets, which are appropriate and should not be weakened or extended;
- Contain the commitment to make all new buildings all-electric starting no later than 2024, to electrify existing buildings statewide, and to stop marketing and expanding fossil fuels;
- Hold our leaders accountable to action, and stop delaying the approval of critical legislation and funds to implement the CLCPA.

I am grateful the Committee on Environmental Protection and the Progressive Caucus for initiating Resolution 169. I ask you to pass it as soon as possible.

Thank you.

Kind regards,

Sarah Orleans Reed

**THE COUNCIL  
THE CITY OF NEW YORK**

Appearance Card

I intend to appear and speak on Int. No. \_\_\_\_\_ Res. No. \_\_\_\_\_  
 in favor  in opposition

Date: \_\_\_\_\_

(PLEASE PRINT)

Name: Rebecca Fishman

Address: \_\_\_\_\_

I represent: MOLLJ

Address: \_\_\_\_\_

**THE COUNCIL  
THE CITY OF NEW YORK**

Appearance Card

I intend to appear and speak on Int. No. \_\_\_\_\_ Res. No. \_\_\_\_\_  
 in favor  in opposition

Date: 13 Oct 2022

(PLEASE PRINT)

Name: Ellie Kahn

Address: \_\_\_\_\_

I represent: MOCEJ

Address: 253 Broadway, 14th fl., NYC 10007

**THE COUNCIL  
THE CITY OF NEW YORK**

Appearance Card

I intend to appear and speak on Int. No. 189 Res. No. \_\_\_\_\_  
 in favor  in opposition

Date: 10/13/22

(PLEASE PRINT)

Name: Jeanne Bergman

Address: E. 9th St

I represent: Same Energy Project +

Address: Public Power NY

Please complete this card and return to the Sergeant-at-Arms

**THE COUNCIL  
THE CITY OF NEW YORK**

Appearance Card

I intend to appear and speak on Int. No. \_\_\_\_\_ Res. No. \_\_\_\_\_

in favor  in opposition

Date: 13 October 2022

Name: Paul Markiewicz (PLEASE PRINT)

Address: 99 Bay St City Island, NY 10464

I represent: The Hair Institute, CEO

Address: 99 Bay St Bronx NY 10464

**THE COUNCIL  
THE CITY OF NEW YORK**

Appearance Card

I intend to appear and speak on Int. No. \_\_\_\_\_ Res. No. 169 &

in favor  in opposition

189

Date: \_\_\_\_\_

Name: ERIC WELTMAN (PLEASE PRINT)

Address: West End Av.

I represent: Food & Water Watch

Address: 32 Court St.

**THE COUNCIL  
THE CITY OF NEW YORK**

Appearance Card

I intend to appear and speak on Int. No. 169 Res. No. \_\_\_\_\_

in favor  in opposition

Date: 10-13-22

Name: Sara Gronim (PLEASE PRINT)

Address: Prospect Park West Bldg

I represent: 350 Brodway 11215

Address: % Gronim, as above.



**THE COUNCIL  
THE CITY OF NEW YORK**

Appearance Card

I intend to appear and speak on Int. No. \_\_\_\_\_ Res. No. 169

in favor  in opposition

Date: 10/

(PLEASE PRINT)

Name: JOANNA OLTMAN SMITH

Address: 829 President 11215

I represent: Member, 350 Brooklyn

Address: \_\_\_\_\_

**THE COUNCIL  
THE CITY OF NEW YORK**

Appearance Card

I intend to appear and speak on Int. No. \_\_\_\_\_ Res. No. 169

in favor  in opposition

Date: 10/11/22

(PLEASE PRINT)

Name: Allison Considine

Address: Central Park West

I represent: \_\_\_\_\_

Address: \_\_\_\_\_

**THE COUNCIL  
THE CITY OF NEW YORK**

Appearance Card

I intend to appear and speak on Int. No. \_\_\_\_\_ Res. No. 169

in favor  in opposition

Date: 10/13/2022

(PLEASE PRINT)

Name: Lily (Alida) Gordon

Address: E 11th St. New York NY 10009

I represent: \_\_\_\_\_

Address: \_\_\_\_\_

Please complete this card and return to the Sergeant-at-Arms

**THE COUNCIL  
THE CITY OF NEW YORK**

Appearance Card

I intend to appear and speak on Int. No. \_\_\_\_\_ Res. No. 169  
 in favor  in opposition

Date: 10/13/22

(PLEASE PRINT)

Name: Hann G. P. 55

Address: 15th St. Brooklyn

I represent: NYC 2030 District

Address: c/o Fund for city of NY, 121 6th Ave.

**THE COUNCIL  
THE CITY OF NEW YORK**

Appearance Card

I intend to appear and speak on Int. No. \_\_\_\_\_ Res. No. \_\_\_\_\_  
 in favor  in opposition

Date: 10/13/22

(PLEASE PRINT)

Name: Konnie J. Portis

Address: \_\_\_\_\_

I represent: WE ACT for Environmental Justice

Address: 1854 Amsterdam Ave NYC NY

**THE COUNCIL  
THE CITY OF NEW YORK**

Appearance Card

I intend to appear and speak on Int. No. \_\_\_\_\_ Res. No. 169  
 in favor  in opposition

Date: 10.13.22

(PLEASE PRINT)

Name: Cindy Boze

Address: Macdougal St. Brooklyn NY 11233

I represent: myself

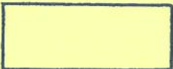
Address: same as above

Please complete this card and return to the Sergeant-at-Arms



**THE COUNCIL  
THE CITY OF NEW YORK**

**Appearance Card**



I intend to appear and speak on Int. No. \_\_\_\_\_ Res. No. 0169

in favor     in opposition

Date: 01/13

**(PLEASE PRINT)**

Name: KAREN IMAS

Address: \_\_\_\_\_

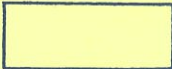
I represent: Alternative Energy

Address: 12 East 4th 10017

◆ Please complete this card and return to the Sergeant-at-Arms ◆

**THE COUNCIL  
THE CITY OF NEW YORK**

**Appearance Card**



I intend to appear and speak on Int. No. 315,330 Res. No. 169189

in favor     in opposition

Date: 10/13

**(PLEASE PRINT)**

Name: Daniel Chingyu Chiu

Address: Stuyvesant Oval, New York, NY

I represent: New York City Environmental Justice Alliance

Address: + PEAK Coalition  
426 36 St, Brooklyn, NY

◆ Please complete this card and return to the Sergeant-at-Arms ◆



**THE COUNCIL  
THE CITY OF NEW YORK**

Appearance Card

I intend to appear and speak on Int. No. 315/330 Res. No. 169

[Limited time]

in favor  in opposition

Date: 10/13/22

(PLEASE PRINT)

Name: Karl Palmquist

Address: E. End Avenue

I represent: Sierra Club

Address: \_\_\_\_\_

Please complete this card and return to the Sergeant-at-Arms

**THE COUNCIL  
THE CITY OF NEW YORK**

\* need to leave \*

Appearance Card

I intend to appear and speak on Int. No. 315 Res. No. 169

in favor  in opposition

Date: 10/13/22

(PLEASE PRINT)

Name: Carolina Korth

Address: 41 St., Astoria, NY 1103

I represent: myself

Address: \_\_\_\_\_

Please complete this card and return to the Sergeant-at-Arms