COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY

AND WATERFRONTS 1

CITY COUNCIL
CITY OF NEW YORK

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TRANSCRIPT OF THE MINUTES

Of the

COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND WATERFRONTS

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December 12, 2023 Start: 1:24 p.m. Recess: 3:54 p.m.

HELD AT: COMMITTEE ROOM - CITY HALL

B E F O R E: James F. Gennaro, Chairperson

COUNCIL MEMBERS:

Jennifer Gutiérrez Kamillah Hanks Robert Holden Julie Menin Lincoln Restler

APPEARANCES

Beatrice Thuo, Executive Deputy Commissioner for Citywide Operations at the Department of Citywide Administrative Services

Sana Barakat, Deputy Commissioner for Division of Energy Management at the Department of Cultural Affairs

Keith Kerman, Deputy Commissioner for Fleet Management and Chief Fleet Officer at the Department of Citywide Administrative Services

Joe Chavez, Deputy Director of Resilient and Efficient Buildings at the Mayor's Office of Climate and Environmental Justice

Jane Gajwani, Director of the Office of Energy and Resource Recovery Programs and Agency Chief Decarbonization Officer at the Department of Environmental Protection

Alia Soomro, Deputy Director for New York City Policy at the New York League of Conservation Voters

Anna Pavlova, Carbon Quest

Harrison Nesbit, NYC H2O

Daniel Chu, New York City Environmental Justice Alliance

Kristin St. Louis, Policy and Legislative Intern at New York Lawyers for the Public Interest

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A P P E A R A N C E S (CONTINUED)

Glen Bolofsky, 504 Democratic Club

Nina Guiduce, Policy Manager at Transportation Alternatives

COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND WATERFRONTS 1 2 SERGEANT-AT-ARMS: Good afternoon. This is 3 a microphone check for the Committee on Environmental Protection. Today's date is December 12, 2023, 4 5 located in the Committee Room, recording done by 6 Pedro Lugo. 7 SERGEANT-AT-ARMS: Good afternoon and welcome to the New York City Council hearing of the 8 9 Committee on Environmental Protection. 10 At this time, could everybody please 11 silence your cell phones. 12 If you wish to testify, please come up to the Sergeant-at-Arms' desk to fill out a testimony 13 14 slip. 15 Written testimony can be emailed to 16 testimony@council.nyc.gov. Again, that is 17 testimony@council.nyc.gov. 18 At this time and going forward, no one is 19 to approach the dais. I repeat, no one is to approach 20 the dais. 21 Thank you for your cooperation. 22 Chair, we are ready to begin. 23 CHAIRPERSON GENNARO: Thank you, Sergeant. 24 [GAVEL] Good afternoon. I am Council Member Jim

Gennaro, Chair of the Committee on Environmental Protection, Resiliency and Waterfronts.

Today, we will be holding an oversight hearing on New York City's obligation to reduce carbon emissions from government operations.

At this hearing, we will examine how the City intends to meet its obligation to achieve a 40 percent reduction in greenhouse gas emissions from government operations by Fiscal Year 2025 and a 50 percent reduction by Calendar Year 2030 relative to a baseline of 2006.

The Committee will discuss the City
government's largest emissions sources and the
effectiveness of various efforts to reduce those
admissions such as the goal to install 100 megawatts
of PV systems on City buildings, the City's Clean
Fleet program, and efforts to increase the
sustainability of the City's wastewater resource
recovery facilities.

The Committee welcomes the testimony from DCAS, MOCEJ, and Chief Climate Officer who is not going to be joining us today, advocates, and members of the public.

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New York City has taken very historic action in passing landmark climate legislation and setting serious decarbonization goals, actually decarbonization mandates, but those actions are not fully meaningful without the programs required to achieve them so we're going to talk about that today. While there are certainly things worth celebrating, we must remain forward-facing if we are to tackle the existential threat of climate change. Way back in 2008, I and my Council Colleagues passed the New York City Climate Protection Act which established the requirement for the City to regularly publish the PlaNYC Sustainability and Climate Adaptation Plan to do the PlaNYC process on a periodic basis, make an annual greenhouse gas inventory, and, relevant to this hearing, achieve a 30 percent reduction in emissions from government operations by 2017. That was the 2008 law. We are six years beyond that and still well short of that goal alone. It was not a goal; it's a mandate. On top of that, Local Law 97 of 2019, which is perhaps better known for its provisions relating to private building owners, requires the City to achieve a 40 percent reduction in emissions from government operations by 2025 and a

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50 percent reduction in such emissions by 2030. Kind of the backstory to that was that there was a mandate for the City to achieve 30 percent City government generated greenhouse gas reduction mandate of 30 percent by 2017. That mandate was never met, and so when it came to write Local Law 97, it was agreed upon that the goal of a 30 percent greenhouse gas reduction that was not met in 2017, so they put language in Local Law 97 that superseded the language in the 2008 bill so instead of 30 percent reduction in City government greenhouse gas emissions by 2017 that became 25 percent by 2040. That's the backstory on that. The City has already shown that decarbonization is possible. Emissions from City government operations decreased by 25.4 percent between FY-06 and FY-22. Despite this, the City is still not on track to meet its emissions reduction requirements for government operations pursuant to either Local Law 97 or the New York City Climate Protection Act, but it's really only Local Law 97, the 40 percent by 2030 that applies because that language superseded the old language, and the City missed its 2017 emissions reduction target by 2.5 percentage points, close but no cigar, and still

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needs to reduce FY-22 emissions by 14.6 percentage points before FY-25 in order to fully comply with Local Law 97. That's a lot. That's why we're having this hearing to figure out how we get from here to there.

Furthermore, I am concerned, I'm going to turn the page and tell you why I'm concerned, wait for it, wait for it, furthermore I am concerned that emissions reductions from City government operations have stalled in recent years. Between FY-2017 and FY-22, which was the previous Administration, emissions from City government operations actually increased by 2.9 percent, that's almost 3 percent, and with all that we are asking of the private sector in Local Law 97 it would be shameful, I didn't write the word shameful, Staff wrote that in but I'm reading it, it would be shameful for us not to achieve the mandates we set for ourselves. The Staff had milestones, but they're not milestones so I crossed it out and put mandates we set for ourselves. That said, there are some noteworthy initiatives underway that may help us achieve these emissions reductions. In 2014, the de Blasio Administration set a goal of installing 100 megawatts of solar powered generation on City

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buildings by 2025 to help the City meet its emissions reduction mandates. Unfortunately, as of March 2022, DCAS had only met 16 percent of this goal as much as we love DCAS and we do. The City has been working to implement the Clean Fleet Plan which has been transitioning our municipal fleet to renewable diesel. I'm sure Keith Kerman is going to have a lot to say about that. He is the high priest of RD as we say. RD is renewable diesel. We are also working on expanding methane recovery from sewage treatment plants, reducing emissions from our waste disposal practices through our curbside organics program, and electrifying our public school buildings. These are all things that are happening under the Adams' Administration which is very nice. These initiatives are a great start, but it is clear that there is still much more to be done. This year's seemingly endless string of climate crises from unprecedented wildfire smoke to catastrophic flooding showed us that New York City's emissions reductions efforts must proceed apace.

Climate change will not wait for a more convenient time for us to act. Therefore it is critical that New York City redouble its commitment

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to achieving the emissions reductions mandates that we have laid out for ourselves. We look forward to hearing from the Administration today on what progress the City has made in reducing emissions from government operations and how we can work together in the future to meet our decarbonization goals, I mean mandates, to meet our decarbonization mandates under Local Law 97 and by that I mean the 40 percent by 2025.

I would like to extend my deepest appreciation to Committee Counsel Samara Swanston who retired last week so she's not with us today for her 16 years of dedicated service to this Committee. We can all quite literally breathe easier thanks to the work she has done in her time here. We had a whole thing for her. We miss her. She did a lot of great work, and she's a great person.

I would also like to thank the terrific

Committee Staff, the word terrific was put in by

Staff, I'd also like to thank the terrific Committee

Staff, but I'm for that. I would've used a nicer

adjective, but terrific will suffice. Terrific

Committee Staff who do such great work in putting

these hearings together. To my right, we have

COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND 1 WATERFRONTS Committee Counsel Claire MacLachlan, Policy Analysts 2 3 Ricky Chawla and Andrew Bourne, Financial Analysts 4 Andrew Lane-Lawless and Tanveer Singh, and finally my terrific, and I'm putting that word in, it's not in but I'm saying it, and finally my terrific 6 7 Legislative Director Nabby Kaur for all of their hard 8 work. 9 I'd like to recognize the following Council Members who have joined us. We have Council 10 11 Member Hanks, Council Member Holden, Council Member Restler. That's what we have so far. 12 I'll now turn it over to the Committee 13 14 Counsel to give the affirmation to the witnesses. 15 COMMITTEE COUNSEL MACLACHLAN: Thank you. I am Claire MacLachlan, Counsel to the Committee on 16 17 Environmental Protection, Resiliency and Waterfronts 18 of the New York City Council. 19 Our first witnesses will be Beatrice 20 Thuo, Executive Deputy Commissioner for Citywide 21 Operations at the Department of Citywide Administrative Services; Sana Barakat, Deputy 2.2 2.3 Commissioner for Division of Energy Management at DCAS; and Keith Kerman, Deputy Commissioner for Fleet 24

Management and Chief Fleet Officer at DCAS.

I will now administer the oath. Please raise your right hands.

Do you affirm to tell the truth, the whole truth, and nothing but the truth before this Committee and to respond honestly to Council Member questions?

DEPUTY COMMISSIONER KERMAN: I do.

EXECUTIVE DEPUTY COMMISSIONER THUO: I do.

DEPUTY COMMISSIONER BARAKAT: I do.

COMMITTEE COUNSEL MACLACHLAN: Thank you.

You may begin when ready.

Start, I want to thank you for all of your efforts to try to reach out to me before the hearing. You were all excited about the good things that you're doing. I was kind of elusive. I just wasn't able to be pinned down. This is the end of session. Everything's going crazy, and I just came out of a meeting with the Speaker. The bills that are going to be voted out at the last Stated of the Session all have to be laid on the desk tonight so there's a lot of back and forth and stuff going on and I'm part of that process so sorry about not being able to catch up with you

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before but you're here now so this is going to be
great.

With that, I'd ask you to proceed with your good testimony.

EXECUTIVE DEPUTY COMMISSIONER THUO: Good afternoon, Chair Gennaro and Members of the Committee. My name is Beatrice Thuo, and I'm the Executive Deputy Commissioner of Citywide Operations at the Department of Citywide Administrative Services, DCAS. I'm joined today by the City's Chief Decarbonization Officer and DCAS' Deputy Commissioner of Energy Management, Sana Barakat, and Chief Lead Officer and DCAS' Deputy Commissioner for Fleet Management, Keith Kerman, Deputy Director of Resilient and Efficient Buildings at the Mayor's Office of Climate and Environmental Justice, MOCEJ, Joe Chavez, and Director of the Office of Energy and Resource Recovery Programs and Agency Chief Decarbonization Officer at the Department of Environmental Protection, DEP, Jane Gajwani.

CHAIRPERSON GENNARO: If I could just jump in for a second. I think early on I guess I kind of made a mistake between Rit Aggarwala who is the Chief

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Climate Officer and I said that, but that's different than the City's Chief Decarbonization Officer.

EXECUTIVE DEPUTY COMMISSIONER THUO:

Correct.

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CHAIRPERSON GENNARO: And so I kind of misspoke when I said the Chief Decarbonization

Officer wasn't going to be here, but you're here so I just want to correct the record here and sorry for that sleight. Please proceed. Sorry for the interruption.

want to extend a special welcome to Sana who joined

DCAS this past July after many years in the

sustainable design and engineering consultancy

sector, managing largescale and multidisciplinary

projects for public sector clients, including several

City agencies. We're excited to have her take the

reins as the City's Chief Decarbonization Officer and

accelerate our work reducing greenhouse gas emissions

from City government operations. I am excited to give

you an update so let's dive right in.

Local Law 97, part of New York City's landmark Green New Deal legislation of 2019, requires New York City to reduce greenhouse gas emissions from

City government operations 40 percent by 2025 and 50 by 2030 compared to Fiscal Year 2006 baseline. This includes emissions reductions from the City's portfolio of over 4,000 municipal properties. We are talking about schools, universities, firehouses, police stations, courts, hospitals, museums, zoos, libraries, and much more. City government is mandated to reduce emissions further and faster than the City as a whole which is expected to achieve a 40 percent reduction by 2030. These mandates set the City on a path to carbon neutrality by the year 2050. The City has also committed to meeting targets including reducing greenhouse gas emissions in the City government fleet 50 percent by 2025 and 80 by 2030 compared to a Fiscal Year 2006 baseline in addition to reducing City government energy use by 20 percent. In December 2021, pursuant to Executive Order 89, DCAS released the Local Law 97 Implementation Action Plan which sets the path for City government's Local Law 97 compliance, identifies the resources necessary to meet our Local Law 97 mandates, and establishes agency emissions reductions targets. These targets can be found on our website, and we update agency

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emissions reductions performance annually as required by Executive Order 89.

According to our latest data, City government has reduced emissions from operations by over 25 percent below the Fiscal Year 2006 baseline compared to 17 percent for the city as a whole, including the private sector. City government is leading by example and outpacing the decarbonization of city across all sectors and industries. Let me be clear, while City government is leading by example and outpacing the private sector, we are still facing considerable challenges and expect to fall short of our Local Law 97 reduction target for 2025. As this Administration has been saying since early 2022, we are optimistic, but the 2025 target set in 2019 was also going to be very difficult to meet. I'll repeat what the City's Chief Climate Officer, Rohit Aggarwala, said before this Committee in April 2022. The reality is that time is not on our side to meet the 2025 mandate. However, this Administration remains steadfast in our commitment to achieving our emissions reductions goals, and we expect that we will not only meet but surpass our 50 by 30 target. It's an all hands on deck effort to get as close to

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40 by 25 as possible, but, as we shared with you last year, many of the challenges to achieve 40 percent on this ambitious timeline are outside the City's control. I will outline some of these challenges for you later in my testimony.

Onto focus now and all that we are doing to meet and exceed our long-term targets. To date, the City has invested well over a billion dollars towards decarbonization and, since Local Law 97 passed, has laid the groundwork to accelerate this work by designing focused programs to make building improvements like our Direct Install Lighting program and collaborating with NYPA to scale solar installations. We are also close to soliciting vendors to complete solar projects and deep energy retrofit of buildings under existing design build authority. We are at an inflection point, positioned to make great strides over the next several years.

Decarbonizing City government operations is also center to this Administration's larger focus on improving the quality of life of New Yorkers and addressing longstanding inequities. We all know fighting climate change is not just about reducing greenhouse gas emissions. It's also about improving

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public health, addressing historic disinvestment, and creating jobs. Using less fossil fuels reduces emissions of pollutants like particulate matter that are a public health threat, particularly for older adults, children, and people with heart and lung conditions. We are investing in disadvantaged communities. 56 percent of solar capacity installed on City buildings is located in disadvantaged communities, 57 percent of City government operations greenhouse gas emissions reductions are from projects in disadvantaged communities, and 53 percent of particulate matter reductions have been in disadvantaged communities.

Finally, DCAS' work on energy saving projects has generated over 6,100 good-paying jobs since Fiscal Year 2006. DCAS leads the City's decarbonization efforts and partners with more than 20 City agencies to implement energy efficiency, electrification, and renewable energy generation projects throughout the city.

The City takes a multi-tiered approach to decarbonizing City government operations. We are driving down energy consumption at City-owned buildings through retrofitting building systems,

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improving operations and maintenance, and optimizing building controls. Over the past decade, we have partnered with City agencies to invest over 1 billion in building energy efficiency projects which has resulted in an annual energy reduction of approximately 8 percent compared to before making these investments and despite significant growth in total square footage of our building portfolio. We also expanded our Demand Response Program in summer 2023. Over 600 facilities from 34 agencies participated, reducing energy usage during hot summer months to protect the city from brownouts and blackouts.

We are electrifying building systems including heating, hot water systems, and appliances, which the City committed to in PlaNYC, helping set the City on a course to achieve the decarbonization mandates for 2050 and improve air quality in communities. This includes the Adams' Administration landmark Leading the Charge initiative to electrify 100 existing schools over the next decade and start transitioning all New York City school to operate on electric power. Four electrification projects have begun construction this year with another 15 in

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planning and design. This plan and, Council Member Gennaro, your recently passed Local Law 32 of 2023 will also accelerate the phase-out of number 4 heating oil by five years.

We are decarbonizing processes and systems of wastewater resource recovery facilities to achieve net zero energy consumption in the wastewater treatment sector by 2050. We are making our processes leaner while maintaining a robust operation and are leveraging DEP's unique infrastructure to not only decarbonize the agency but also it helps the City decarbonize as a whole. These efforts are led by our partners at DEP.

We are decarbonizing the City's fleet by transitioning to electric vehicles and investing in renewable diesel. These efforts are led by our Chief Fleet Officer, Keith Kerman, and we'll go into more detail about them in a minute.

We are also investing in clean energy generation. First and foremost, we are generating renewable energy on our own properties by building solar PV arrays. To date, DCAS in partnership with several agencies has doubled our solar capacity on City-owned buildings since COVID, we've installed

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22.7 megawatts of solar PV on City facilities, enough to power nearly 6,400 New York City households per year, and we have executed contracts that will bring an additional 50 megawatts of solar by December 31, 2025. I want to emphasize what a feat this is in an urban environment as dense as New York City.

Additionally, New York City has committed to purchasing tier 4 renewal energy credits generated from CHPE and Clean Path New York projects, which will help fund these projects that will bring 2,500 megawatts of clean renewable energy from Canada and Upstate New York into New York City. This will allow City government operations to be powered by 100 percent clean electricity by 2026 and amplify the greenhouse gas emissions reductions that result from the City's investment in building system electrification. These projects will also reduce the City's reliance on fossil fuel power plants, improve grid reliability, and make more clean electricity available to all New Yorkers and help the private sector meet their own Local Law 97 obligations.

EDC on behalf of the City is also playing a critical role in creating a nation-leading offshore wind hub at South Brooklyn Marine Terminal. In

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parallel, EDC is investing in education pipelines for jobs and creating job programs that identify and train talent from historically underrepresented areas to ensure all New Yorkers can benefit from green opportunities.

On the buildings and solar energy side, DCAS has partnered with City agencies to implement over 13,700 energy efficiency and decarbonization measures in over 2,000 buildings since Fiscal Year 2006. Our efforts have reduced annual energy costs by 137 million and greenhouse gas emissions by over 420,000 metric tons of carbon dioxide equivalent. That's equal to removing nearly 92,000 cars from the road. In order to implement these decarbonization projects, the City has created processes, policies, and grown the capacity of government to scale work. We are building human capital so agencies have the capacity to implement energy efficiency, electrification and renewable energy generation projects. This includes providing more than 20 agency partners with training tools, technical expertise, funding and staff including agency chief decarbonization officers which will elevate decarbonization priorities within agency leadership.

OMB is leading a new initiative, climate budgeting, which incorporates an analysis of climate impact into budget plans and develops new actions to move the City towards its climate goals.

The Administration is also making significant efforts to cut red tape, make it easier to build and procure goods and services, and amend zoning citywide so that we can do what we need to do to meet our climate goals more efficiently and faster while creating jobs.

I want to thank the Council for approving the City of Yes for Carbon Neutrality Zoning
Initiative last week, which will allow us to decarbonize our buildings more and faster. We greatly appreciate the Council's partnership on that effort and are thrilled that it's over the finish line.

The City is also a vocal advocate for the State to make smart energy policy decisions and accelerate renewable energy projects that will clean our grid. The City and the State must be strong partners to achieve both the City's Local Law 97 mandates and the State's targets under the Climate Leadership and Community Protection Act. DCAS

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supports our partners at MOCEJ which leads this advocacy.

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Finally, the Administration released

PlanYC in April which lays out clear achievable

actions that the City will take to decarbonize and

make our city more livable and resilient for all New

Yorkers, especially in communities that have been

neglected in the past. Following that, the

Administration released PowerUp, the City's long-term

energy plan, which connects the work that all of our

City agencies are doing to the larger energy

strategies that will ensure all New Yorkers have

clean, reliable, and affordable energy.

I'd like to give you a few examples of projects. Chair Gennaro, in your District, DOE and DCAS partnered to install a 582-kW solar PV system on the roof of Thomas Edison Career and Technical Education High School, generating 60 percent of the school's electricity needs and supporting hands-on student learning.

In Council Member Restler's District,

DCAS is partnering with DEP to install a gravity belt
thickener and thermal energy installation at the

Newton Creek Wastewater Resource Recovery Facility.

This will reduce energy use equivalent to nearly 19,000 New York City households and lead to 4.5 million in annual energy cost savings.

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megawatts of solar PV at the Wards Island Wastewater
Recovery Facility using the novel approach of
installing solar canopies over process tanks which
increase the install capacity tenfold. This will be
the largest clean energy installation on a wastewater
treatment facility anywhere in the world. Yes, you
heard that right, in the world.

In Harlem, DCAS has partnered with DEP to install 12 megawatts of electricity generation that will run year-round on renewable biogas generated onsite and be able to make significant load off the electrical grid during peak demand times.

At the Met Museum, DCAS is implementing major lighting fixture upgrades of 20,000 fixtures in three special exhibition spaces. This project is estimated to save the City over 100,000 in annual electricity utility bills.

DCAS is upgrading many different energy systems at CUNY campuses. These upgrades include building management system controls, HVAC

replacement, electrical submetering, and other retrofit measures.

There are so many more projects I would love to share, and I would be happy to meet with you all and discuss the projects in your Districts but I'll stop there for now.

Moving on to non-stationary assets. The City fleet plays an integral role in the reduction of greenhouse gas emissions from City operations. Vehicles account for nearly 9 percent of the 2006 greenhouse gas emissions baseline and, under the leadership of Chief Lead Officer and Deputy Commissioner Keith Kerman, DCAS fleet has developed the greenest municipal fleet in the country. In 2015, New York City published the New York City Clean Fleet Plan. This plan committed the City to reducing greenhouse gas emissions 50 percent by 2025 and 80 by 2035. The plan updated in 2021 outlined three broad strategies, electrify the fleet as fast as operationally feasible, replace diesel fuel with biofuels, and improve fleet efficiency. DCAS has aggressively pursued this approach and is on pace to achieve fleet 50 by 2025.

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In 2023, DCAS worked closely with the City Council on codifying the Electric Fleet initiative into law. On October 23, 2023, Mayor Adams signed Local Law 140 which calls for the City's fleet to transition to electric by 2038. This legislation further established New York City as a leader in fleet sustainability and is a model for other cities and fleets to adopt. DCAS currently operates one of the largest electric fleets and charging networks in the United States and will soon surpass the 5,000 electric fleet mark. We also operate 1,600 electric charging points and will add at least 200 fast chargers and carports each year through 2030.

Further, on November 28 of this year,

Mayor Adams and DCAS Commissioner Pinnock announced

the City was transitioning to renewable diesel for

the entire trucking and offroad diesel fleet.

Renewable diesel is made of the same waste and

organic food stocks as biodiesel. However, renewable

diesel is manufactured to the same technical

specification as regular diesel while fully replacing

fossil fuel diesel in our fleet. Unlike biodiesel

which can only be used in blends of 20 percent or

less, the new mix does not have petroleum base and

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burns cleaner with 15 percent to 35 percent fewer tailpipe emissions. As we transition to an electric fleet, the switch to renewable diesel is a critical measure to immediately cut down on greenhouse gas emissions from the fleet as the technology and market for electrical heavy-duty vehicles develops. Today, all trucks from Sanitation, Parks, DOT, Corrections, and DEP are fully operating on renewable diesel, and the entire fleet will complete the transition by June 30, 2024.

Finally, DCAS continues to operate our fleet more efficiently in order to reduce fuel use. Following the Mayor's April 2022 Fleet Reduction initiative, DCAS has reduced the number of City vehicles by 4 percent or over 900 units.

Overall, over 20,000 fleet units now use some type of cleaner fuel alternative including electric, hybrid, solar, and biofuel. Since Fiscal Year 2018, DCAS has reduced total fleet use by 4.6 million gallons annually or 16 percent. The three approaches of electrification, biofuels, and efficiencies are working and have led to a cleaner, more efficient fleet and kept DCAS on pace to achieve 50 by 2025.

While the City's work to date is impressive, we know that we expect to fall short of our Local Law 97 2025 mandate, and I want to explain some of the challenges that the City continues to face as we approach 2025 and beyond.

First, COVID set the City's progress back by about two years. Staff were redirected to other critical work, projects were cancelled, contracts were delayed, and we're still facing supply chain issues and higher costs of materials and equipment.

Additionally, in 2022, the electricity grid serving New York City was nearly 12 percent dirtier than in 2019 because the Indian Point Nuclear Facility closed. This increases the greenhouse gas emissions that result from using electricity and reduce the benefits of electrification projects.

Procurement and contracting challenges
have slowed project delivery. DCAS is focused on
making our procurement and contracting faster to
overcome contracting delays and has launched the
Local Law 97 Contracting Resources Working Group to
stand up faster, more flexible ways to deliver
projects.

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Finally, as we all know, the City is facing extraordinary budget pressures that could force us to do more with less in the coming years.

Despite those challenges, the Adams'

Administration is fully committed to achieving our

climate goals, and we are working at full steam to

make our City government buildings and operations

more efficient, reduce greenhouse gas emissions, and

modernize buildings that serve New Yorkers. We are

showing the private sector that this work is not just

achievable but pivotal for making sure our City is

livable and thriving in the future.

We appreciate the support and advocacy you have shown toward our work, and we look forward to continued partnership with the Council as we continue our aggressive march toward carbon neutrality.

 $\label{eq:weare happy to answer any questions you} % \end{substitute}% \begin{substitute}{0.5\textwidth} \end{substitute}% % \begin{substitute}{0.5\text$

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CHAIRPERSON GENNARO: Thank you very much for your comprehensive testimony. I'll start my questioning in a moment.

First, I want to indicate that we're joined by Council Member Gutiérrez, a valued Member

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of this Committee. I just want to hold a sidebar with my Counsel for a second.

I was just planning my attack. That's all. I need some herbal tea to calm me down before I jump in.

I'm going to be the easy guy to deal with. After that, you have to deal with Lincoln Restler, and then it's like all bets are off when he takes the microphone.

COUNCIL MEMBER RESTLER: I'm feeling very nice today. I had the herbal tea too.

CHAIRPERSON GENNARO: Okay. I have some prepared questions, but I want to just go through the statement. I made some notes.

I guess my overarching concern is that
the City notwithstanding the resources at its
disposal doesn't meet the 2017 mandate set out by the
2008 Climate Protection Act so 2017 comes and goes,
the mandate is not realized, and it's my
understanding through the Council that the law
provides for something, if the Administration can't
meet it, they're supposed to do an official
announcement or they're supposed to invoke something
in the law saying we can't get here but this is why

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and this is what we're going to do. There's something in the law by which if you're not going to meet it you have to do an official something. To my knowledge, the official something that was supposed to happen in 2017 when the mandate was not realized never actually happened, and no one from the environmental community that I know of, I was not in City government at the time, came forward and said hey, you had this mandate in 2017, it didn't get met, this law is not a suggestion, it's an actual law, and you're supposed to meet it or give a really good reason why you can't, which is more than the building owners that are subject to Local Law 97, they don't get to come before this Committee and say you know, we can't get it done, it's not going to work out, and they can't talk about how COVID loused them up and whatever, all of which are valid, but we as a Council, I wasn't here when Local Law 97 was passed, but Local Law 97 is all the rage now about how are co-ops and condos going to comply and how is this all going to work and there really wasn't a lot of thought, and this is not your fault, this is the Council's fault quite frankly, about where were the resources and tax credits, there was no J-51 at the

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time, or there was not a lot of brainwaves put into how folks were going to meet the mandates of Local Law 97. What people don't like about government is government says we're doing a lot of good things and we're working hard and we're like investing tons of money, we've got programs coming out of everywhere and they're going to bear fruit down the road, and the testimony today is we're not really going to make the 40 percent reduction by 2025, and we kind of don't know when we're actually going to make that happen, but co-op owners in my District, if they say that, they're going to be in trouble. They're going to have to pay fines so it's kind of a standard that the government creates for itself. Look at City government. City government has all kinds of consent decrees with the State and then show me a consent order that the City has ever actually complied with and I'll buy you a Buick because we just don't comply with them so we just roll it over, we do like another negotiation, and so on this side of the table, we're left to kind of process how there's like one standard for government and there's one standard for private building owners that have to comply that don't have the ability to just say nah, we kind of can't get it

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done on time but it's going to happen. That's kind of the fundamental disconnect that I have to go home to my District and I have to say notwithstanding the fact that you have to comply with Local Law 97, and such a huge pushback was made when the Adams' Administration I think wisely tried to use the full discretion given to it under Local Law 97 to write rules that were sympathetic to building owners. I thought that was the right way to go, but still the Adams' Administration doesn't have the ability to go beyond the discretion that was put in the law when writing the rules, but I think they went as far as they reasonably could in trying to give local building owners a break when it comes to Local Law 97 compliance, with the whole decarbonization plan filed in 2025 in lieu of suffering penalties and all that so I give them credit for that. They tried to do the compassionate thing or the realistic thing with regard to the private sector, but when it comes to itself, and I have to laud the Adams' Administration for moving the ball forward more quickly than did the previous Administration, but when that's all said and done, the testimony here is we're not going to meet 2025, the 40 percent, we're not exactly sure when

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that's going to happen and that's already been kind of indicated to you by previous pronouncements of the City's Chief Climate Officer so you knew that was coming so it's frustrating when the City, notwithstanding all of the efforts it is doing, kind of comes up short and the statement is we're coming up short but we're doing a lot.

Now, you're me. So I have to go back to my District and explain how they have to meet the letter of the law when it comes to Local Law 97 but the City has just kind of testified before my Committee and said we're going to try real hard. That's not something that Bob's constituents have the ability to say nor mine nor anyone else who is here today. This is almost like a philosophical thing. You're me. What do I tell my constituents how they have to tow the line with regard to Local Law 97 but the City, itself, with the resources that it has although we're going to have tough budget years coming up, this is something that the City set for itself in 2019, 2019. Was IP closed in 2019? I don't know if it was closed, but it was certainly on the docket to be closed. No one could have foreseen COVID. My constituents aren't getting a COVID break

so it's disappointing that I don't even hear when we think we're going to get to 40 percent. First some kind of response to my angst, and the second is what is a realistic time that we're going to see the 40 percent by 2025 which is not going to happen in '25. It's not going to happen in 2025. When is it going to happen? Unlike 2017 when no official instrument was filed pursuant to law saying okay, it's 2017, we're not going to get there but this is all that's going on, and pursuant to the law, if we're not going to make it we have to file this instrument that says X, Y, and Z about why we're not making it and when we're going to make it, and so, under my watch when 2025 comes, there's either going to be compliance, which I now know there's not, or there's going to be the filing of an instrument saying this is the pathway to the 2025 mandate of 40 percent and this is when it's going to happen. Why don't we work backward? When are we going to get to 40 percent and then you can back into like the angst that I have. I think it's real. I've said enough at least for that question. It was probably a world's record length question. I don't know, it was a question, it was a rant, I don't know

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what it was, and so that's what I'm coming at you with. Now it's your turn to come back at me.

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EXECUTIVE DEPUTY COMMISSIONER THUO: Thank you for question and your comments.

I do have to say that the government is still leading by example, that the targets that were set for us and the timelines that were set for us were pretty aggressive compared to the private sector.

CHAIRPERSON GENNARO: Yes, they're aggressive, but also in your statement you indicated that you were outpacing the private sector which anyone would expect because the City has kind of infinite resources compared to the private sector so if the City is not outpacing the private sector then it really has a lot of answering to do because the City has (INAUDIBLE) resources whereas little building owners don't. You made the case in stereo here about all the things that are in the pipeline, about everything that's going on. Hard to take issue with everything that's happening, but in the law is 40 percent by 2025, and I think it's reasonable for this Council to expect that if it's not going to be 2025, when is it going to be because you have a lot

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of brainpower working on all of these things and I don't think it takes that much of a crystal ball to figure out when these programs are going to manifest into greenhouse gas reductions, and that should be measurable because 2025 is pretty soon, and so that's what I'm looking for. When are we getting to 40 percent? Again, this is after a whiff in 2017, like a swing and a miss on the 30 percent so this is now the second time around so 2017 was a whiff, 2025 is a whiff, so when are we going to make contact? Baseball reference. There's three strikes, you know what that means.

EXECUTIVE DEPUTY COMMISSIONER THUO: There are a number of things going on that we have to contend with and a number of variable factors.

I know you did say that as a City we'll have more resources than the private sector. There are also some challenges that are very unique to the City.

CHAIRPERSON GENNARO: That's what my constituents would say about their condos and co-ops. They tell me that every day.

EXECUTIVE DEPUTY COMMISSIONER THUO: I know we did mention all the things that we are doing,

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but Sana Barakat just joined us from the private sector, and I remember her just being amazed by the work that we are doing in spite of all the challenges with its procurement. As you know, the procurement process is never easy, but even notwithstanding all that, how much we've done so far. I have been really impressed that as the challenges that we have and how much we've achieved. Speaking on that, we are looking at our data. In terms of when it'll happen, we were anticipating a gap of around 5 percent. There is more data. We are refining our data. As you know, projects take a timeline. We have an anticipated timeline. We are revisiting our projects. We also have just design build so design build has enabled us now to actually get more projects off the ground so we're in the process of doing that. We're in the process of enlarging our solar projects with a contract that we just had with NYPA. There are a lot of moving parts right now so we anticipate that we'll be able to meet that mandate shortly after 2025. Sana, I'm not sure that there is anything you need to add, but...

CHAIRPERSON GENNARO: I'm really looking for a date because I was the one that set the 2017 date back in 2008, and both the Bloomberg

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Administration and Council management didn't want me in 2008 to set a mandate. They just wanted goals, and I'm like goals are like, I'd rather have greenhouse gas reduction poetry contest than a law that had goals. I mean goals are not what you hang your hat on, and so I fought to get mandates, I fought my own institution to get mandates and then 2017 came and went and no one even as much as yawned, including the environmental community which kind of like rubs me the wrong way because where were they when the City didn't meet its greenhouse gas reductions in 2017 and no one said a peep, so soon thereafter, we want to do a little better than that and maybe, Sana, if I can call you by your first name, can help us out with what's your, can we have the Sergeants give Sana the Council crystal ball that she can look into? Do we have that, Sergeants? Do we have the crystal ball? We don't have that?

DEPUTY COMMISSIONER BARAKAT: No, I'm just making reference to a crystal ball that you could look into and give me a date. The Council doesn't have an official crystal ball, and the Sergeant is looking at me very quizzically right now. You're off the hook, Sergeant, but you're on the hook.

them, what are their challenges, what opportunities,

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what projects we can do with them to implement more projects and accelerate the projects they have on hand right now.

CHAIRPERSON GENNARO: Okay. That still doesn't give me a date so why don't we do this. That's okay. Hang on. Today is what, like the 12th, right? Today's the 12th so December 12th, January 12th, February 12th. That's two months, February, right, so three months is March 12th. How about I give DCAS three months to give me a number, like a date when we're going to get to 40 percent? I think just to have this hearing, again, this is not just like a question that comes up in the hearing, this is the purpose of the hearing. The whole rationale of us being here today, the whole preparation of the gift bags and everything else was all for, no gift bags, was to talk about this specific question. We expect a lot of our private building owners, and this has been going on with the City since 2008, 15 years, so we're 15 years into this process and, of course, we changed things in 2019 with Local Law 97, but I think this Council that passed both laws in cooperation with this Administration, both Administration, first with Bloomberg, second was with de Blasio, but we're 15

COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND 1 WATERFRONTS 2 years into the City reducing its own carbon 3 emissions. I would like to set a date of three months 4 from today for the Administration to give this Council its best estimate of when we're going to get to the 40 percent carbon reduction date. Lincoln, 6 7 does that sound fair to you? 8 COUNCIL MEMBER RESTLER: (INAUDIBLE) 9 CHAIRPERSON GENNARO: Okay, so that's what I'm calling for. That's my official thing, and we're 10 11 joined by Council Member Julie Menin. Do we have 12 other Council Members to ask questions? 13 CHAIRPERSON GENNARO: You know what, I'm going to regroup, and I'm also of the mind that I 14 15 always love when my Members come to the hearings. I 16 want to give them the opportunity to get their 17 questions on the record. This is a very busy day in 18 the Council, I'm sure they have other things to do, 19 and I'm going to be here for the duration and so I 20 ask my opening question so now we've got, this is the 21 order of questions? 2.2 COMMITTEE COUNSEL MACLACHLAN: Yes. 2.3 CHAIRPERSON GENNARO: Okay. First for questions we have Council Member Holden. I recognize 24

Council Member Holden for questions.

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COUNCIL MEMBER HOLDEN: Thank you, Chair. Thank you for your testimony, Deputy Commissioner.

Electrifying building systems. You mentioned in your testimony you want to electrify 100 existing schools over the next decade. That seems very low since we have over 1,800 schools. How many school buildings do we have that solar power installed on their roof?

now, and I will give it over to Sana, for now, in terms of the solar capacity on the City's buildings it's 22.7 megawatts that we have. In terms of what percentage of that is on school buildings, we can get back to you on that in terms of the specific number, but I have to say I think one thing, all new schools have to be electrified so I think that's an important thing to note. Any new school being constructed...

COUNCIL MEMBER HOLDEN: And that includes solar?

EXECUTIVE DEPUTY COMMISSIONER THUO: That may include solar just to make sure that it will be clean energy.

COUNCIL MEMBER HOLDEN: Right. Here's the concern I have. I think we should use solar because

COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND 1 WATERFRONTS there are many Council Districts that don't have the 2 3 proper electric grid. For instance, my District, the 4 30th, we probably lead the city in blackouts and brownouts because most of the grid that we have is 5 above ground so a 30-mile-an-hour wind will knock out 6 7 the grid and black out a lot of people. If we had 8 solar power installed in our buildings, especially schools because we have a lot of schools, it would actually be cost-effective, forget about the building 10 11 systems for now because that's a more involved effort 12 I guess, but having only 100 existing schools over 13 the next decade to be turned to electric, I think right now we could actually if we had some companies 14 15 come in and just assess can we install solar power on 16 all our schools at least for the needs of that particular school, the electric needs. If you can 17 18 elaborate on that, is there any massive plan to do 19 that, to install solar? 20 EXECUTIVE DEPUTY COMMISSIONER THUO: Sana, 21 I guess you can say, yes... 2.2 COUNCIL MEMBER HOLDEN: Because there are 2.3 two different issues here. EXECUTIVE DEPUTY COMMISSIONER THUO:

That's are. Actually, we are actively assessing,

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we've been assessing City buildings which includes the schools to see the feasibility of installing solar. As you know, with solar work, first the roofs sometimes have to be replaced and have to be redone to be able to do that solar installation. At the same time, we're also working with SCA on the electrification and bringing the building systems up so there's a lot of work and coordination that's going on, but, to me, the work that the DCAS team has been doing has already been undergoing through that assessment and doing that installation. Sana, do you want to add some more?

DEPUTY COMMISSIONER BARAKAT: Yeah, I will add also that electrifying schools has a lot of complexities in it so now that we're starting the process of electrifying some schools, we're going to learn from that process and see how we can apply lessons learned to more. With budget constraints, now the plan is 100, but we will continue to update that plan as the fiscal crisis comes to an end.

COUNCIL MEMBER HOLDEN: Yeah, because a day doesn't go by that I don't get solicited from a solar company wanting to install panels on my roof

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1	COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND WATERFRONTS 47
2	and they make a deal with you, it won't cost you muc
3	or cost you anything.
4	CHAIRPERSON GENNARO: (INAUDIBLE) I have
5	to run and check in at the hearing I'm at next door
6	so you're the Chair right now then call Lincoln.
7	COUNCIL MEMBER HOLDEN: Listen to that
8	one.
9	CHAIRPERSON GENNARO: I'm coming back.
10	COUNCIL MEMBER HOLDEN: No, it's fine.
11	COUNCIL MEMBER HOLDEN: Because you're
12	Chair, you can go over a little bit.
13	COUNCIL MEMBER HOLDEN: So I don't have to
14	call on Lincoln then? Okay.
15	CHAIRPERSON GENNARO: You have to do that.
16	COUNCIL MEMBER HOLDEN: Sorry. Go ahead.
17	EXECUTIVE DEPUTY COMMISSIONER THUO:
18	Actually, we talked about Thomas Edison, one of the
19	high schools that we've done.
20	COUNCIL MEMBER HOLDEN: Right, I saw that
21	in the testimony.
22	EXECUTIVE DEPUTY COMMISSIONER THUO:
23	(INAUDIBLE) Sheepshead Bay is one of the largest
24	solar installations on any public school so that wor
25	is already happening, and we actually got into a

1	COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND WATERFRONTS 48
2	contract with NYPA earlier this year so we're
3	enlarging our solar program.
4	COUNCIL MEMBER HOLDEN: So you would
5	actually get some companies to come in and assess
6	some of the larger schools that have the space and
7	the right direction they're facing and so forth and
8	so on?
9	EXECUTIVE DEPUTY COMMISSIONER THUO:
10	That's right, and that's part of the contract, and
11	we'd love to sit down with you about your District
12	and the ideas that you have for your schools.
13	COUNCIL MEMBER HOLDEN: I'm going to give
14	myself more time.
15	EXECUTIVE DEPUTY COMMISSIONER ThUO: So
16	we're already doing that work, and we're expanding it
17	with a new NYPA contract.
18	COUNCIL MEMBER HOLDEN: Okay. You
19	mentioned something about there's a supply chain
20	problem still in 2023, the end of 2023. Could you
21	name a couple of things that you can't get?
22	EXECUTIVE DEPUTY COMMISSIONER THUO: An
23	example is actually the solar panels.
24	COUNCIL MEMBER HOLDEN: Solar panels are
25	in short supply?

EXECUTIVE DEPUTY COMMISSIONER THUO:

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That's an example of where we have had challenges with supply, but, with the new contract that we have, we've been able to secure solar for certain projects, but that is one example of where we faced supply chain or where it's delayed and then it becomes more expensive.

COUNCIL MEMBER HOLDEN: Okay. I didn't there was, with all these companies promising solar energy on my roof, like I said, I get a number of calls. I even get people meeting me at City Hall who are representing companies they want to do it to our homes so I didn't know there was a shortage, but we'll look into that.

EXECUTIVE DEPUTY COMMISSIONER THUO: You can also imagine the volume when it comes to our projects, the volume of the solar panel.

COUNCIL MEMBER HOLDEN: Yeah, but you have to start somewhere, and I just don't think that...

COUNCIL MEMBER HOLDEN: 100 schools in the next decade is a lot considering.

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EXECUTIVE DEPUTY COMMISSIONER THUO: We are working to increase that number, but there are challenges in terms of SCA is doing the construction and we are assessing so there are definitely challenges as we mentioned but, yes, we are looking to how we can increase that number and accelerate that.

COUNCIL MEMBER HOLDEN: So what I said before about the electric grid in many Districts, especially in Queens because we have a lot of overhead wires there and things can knock it out, but as we ask for more demands on our electric grid, and, if it's not adequate, then we need to find alternatives like solar. That's what I think should be a priority in the Administration. Thank you.

Is Lincoln Restler next? Okay. Calling on my Colleague, Lincoln Restler.

COUNCIL MEMBER RESTLER: Thank you, Chair Holden, for graciously, if reluctantly, agreeing to give me a chance to speak, and thank you to the DCAS team for testifying today.

I really want to echo the sentiments of Chair Gennaro which are progress has been made, you all deserve credit for that, 25 percent reduction is

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consequential but it is substantially short of our goal, of the 40 percent threshold. At least 25 percent reduction is what was provided to us in the Council report of what we've achieved over the last 15 years. It's disappointing to not have a timeline for when we're going to achieve the goal that we're mandated to achieve, and we set up these hearings well in advance, give proper notice, set expectations that this is exactly what we want to discuss, and then to not come with an answer to the question is disappointing, and I appreciate Chair Gennaro's suggestion that y'all come back to us within the next three months with an answer because just as he said we have set aggressive benchmarks in Local Law 97 that our communities have to comply with and we want the public sector to be leading the darn way, and in many ways we are. There are lots of great things to show for progress around transportation and the fleet and wastewater treatment and more good things to come.

I was particularly struck by a couple of areas that have been moving in the wrong direction. I think with the legislation that we passed earlier this year we should reverse the problematic trends

with regard to usage of heating oil number 4, which we all know how awful it is, but I was concerned about the increased dependence on natural gas that we've seen in City buildings over the last 15 years and wanted to kind of firstly understand when do we expect to see substantial reductions in our dependence on natural gas in City buildings start to manifest. Let me just leave it there. I have a couple other questions, but I'd like to just start on that first.

EXECUTIVE DEPUTY COMMISSIONER THUO: Thank you, Council Member Lincoln.

I have to say although we will definitely work on that request that we have received, but we do expect in 2030 that we will surpass actually the target so I think that's one thing we can confidently say. With all the work that we are doing, with CHPE coming on and the transmission lines, we do expect in 2030 that we will have surpassed our target.

By that, in 2030, we do expect in terms of even how we're relying and the energy that we're using in our buildings. Sana, you may want to add some more to that particular question.

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DEPUTY COMMISSIONER BARAKAT: Thank you for your comments, Council Member.

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In terms of giving you a number, we are now in the process, as one of us mentioned before, that we're looking at the data that we have. The Fiscal Year 2022 emissions just got published. We're taking that information and evaluating, making sure that that information is now incorporated into our projections which is changing. That's why it's taking us a little bit longer now to see where we are, but we are in the process of doing it now, and we should be able to know where we will be when (INAUDIBLE)

COUNCIL MEMBER RESTLER: When you look across the board and see generally we're moving in the right direction although perhaps not at the clip that we were hoping for, we're moving in the right direction across the board but not in a couple of key areas, notably natural gas. I just would've thought we would set narrower annual benchmarks for ourselves for the goals we're trying to achieve and hope that as you come back to Chair Gennaro with a broader timeline for when we're going to achieve the FY-25 goals, you can also share some insight in our progress there.

I think I represent more public buildings than any Council Member probably shy of Chris Marte, and I'm eager to be a real partner in helping to decarbonize each and every one of them. We just recently went on a tour of (INAUDIBLE) with DCAS leadership and some of our neighbors which was incredibly helpful. I really want to thank Executive Deputy Commissioner Ringelheim and Brandon for making the time, but I was surprised that despite doing a comprehensive renovation of the building...

CHAIRPERSON GENNARO: Lincoln, it is my prerogative, I get to do this, so don't worry about the clock.

COUNCIL MEMBER RESTLER: Thank you very much. Council Member Gutiérrez says I talk too much so I'll try to be brief.

COUNCIL MEMBER GUTIÉRREZ: I stand by it.

COUNCIL MEMBER RESTLER: I'll wrap this question up and add a corollary question on, but I was surprised that we had a new gas boiler going into the building. At this stage, I just would've figured we would've had a more ambitious approach and was somewhat disappointed by that.

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Chief Decarbonization Officer here with us. My recollection was that the end of the de Blasio

Administration had an EO that required every agency to appoint a Chief Decarbonization Officer and to set targets for decarbonizing by agency. Could we perhaps in writing, if you can give us a topline right now would welcome it, have those Chief agency

Decarbonization Officers been appointed, do we have agency targets, can you share progress, who is doing a good job, who is not? Thank you.

EXECUTIVE DEPUTY COMMISSIONER THUO: 11 agencies to need appoint agency Chief Decarbonization Officers. Out of the 11, two have already appointed their own Chiefs, and the others...

COUNCIL MEMBER RESTLER: Which agencies?

EXECUTIVE DEPUTY COMMISSIONER THUO: Who are they?

COUNCIL MEMBER RESTLER: Which agencies?

EXECUTIVE DEPUTY COMMISSIONER THUO: DEP

and DOT.

 $\begin{tabular}{llll} \begin{tabular}{lllll} COUNCIL MEMBER RESTLER: DEP and DOT. \\ \begin{tabular}{lllll} \begin{tabular}{lllll} Well, that makes sense. \\ \end{tabular}$

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1	COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND WATERFRONTS 56
2	EXECUTIVE DEPUTY COMMISSIONER THUO: The
3	others are in the process of interviewing or making
4	the selections so <u>(INAUDIBLE)</u>
5	COUNCIL MEMBER RESTLER: And agency
6	targets for decarbonization, have those been
7	identified and do we have progress reports that you
8	can share?
9	EXECUTIVE DEPUTY COMMISSIONER THUO: In
10	terms of the emissions, by the end of this year,
11	we're going to publish where every agency is at so
12	I'd rather not reveal that right now until we
13	finalize the numbers but it's coming.
14	COUNCIL MEMBER RESTLER: We'll have those
15	numbers with targets associated for further
16	reductions? So you'll publish where they're at with
17	targets for future <u>(INAUDIBLE)</u>
18	EXECUTIVE DEPUTY COMMISSIONER THUO: Yes,
19	in comparison to their own targets, yes, because our
20	IAP establishes those targets by agency.
21	COUNCIL MEMBER RESTLER: Thank you. Thank
22	you, Chair, and thank you, DCAS.
23	CHAIRPERSON GENNARO: Thank you, Council
24	Member Restler. I recognize Council Member Gutiérrez
25	for questions.

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much, Chair, and thank you, DCAS and the other agencies, for joining us. I also just want to echo Chair Gennaro's sentiments about I think disappointment of what feels like a snail's pace because I think this Council is constantly pushing back, especially on instances where this Administration seems to walk back some of these goals, and we definitely want to work together and you all are the experts certainly and I think have a deep vested interest and so do we so before I ask any questions, just want to echo how important it is for us to continue to work together, and I know Chair Gennaro is going to continue to hold us all accountable.

My questions are, I'm really curious about this Leading the Charge initiative. I know you mentioned it in your opening remarks, Deputy

Commissioner. What can you tell me about the timeline and if you want to just share if there's any information that are currently in the pipeline and specifically how are you all prioritizing, how are you all kind of making your way through the goals of integrating these in public schools borough by

borough or EJ and impacted communities, what is the method there?

EXECUTIVE DEPUTY COMMISSIONER THUO: Thank you for that question, and also just want to mention we have one of the actors here, our DEP, Jane Gajwani. She's the agency Decarbonization Officer for DEP, but thank you for that question.

For Leading the Charge is that we would electrify the schools by 2030, 100 schools. In all our work in terms of looking what we're going to give projects a priority, being in EJ communities is one of the factors that we look at and that's the way they're prioritized. We're making sure that that's part of the assessment that we're doing, that the projects are prioritized in EJ communities. Now in terms of specific schools, right now I think we have 69 schools.

council Member Gutiérrez: 69 schools, and is there anything specific that you're looking at?

Maybe this is an opportunity for us to like what is the definition of an environmental justice community, but are there any specific metrics or data that you are all using just so that we can be clear?

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EXECUTIVE DEPUTY COMMISSIONER THUO: We're working together with SCA. Do you want to add something, Sana?

DEPUTY COMMISSIONER BARAKAT: That is true. We are working with SCA to establish what the priorities because you cannot just move students out to do the construction work so that's one of the factors we look at.

COUNCIL MEMBER GUTIÉRREZ: Okay, so it's SCA primarily being involved...

EXECUTIVE DEPUTY COMMISSIONER THUO: And DOE. We work with both of them.

DEP weighing in on I guess the level of priorities is what I'm saying so I'm asking about the specificity of like joining the categorization of an environmental justice community married with the prioritization of the 100 buildings is what I am trying to understand. I get the DOB piece, I get SCA. We're leaning on DEP potentially to maybe help determine this is an environmental justice community, and that's the question I'm asking, what is that specific metric?

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1	COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND WATERFRONTS 60
2	EXECUTIVE DEPUTY COMMISSIONER THUO: MOCEJ
3	is pretty instrumental also in terming of EJ
4	communities, and we have Joe Chavez here that could
5	add to it.
6	COUNCIL MEMBER GUTIÉRREZ: Come on down.
7	COMMITTEE COUNSEL MACLACHLAN: Please
8	raise your right hand.
9	Do you affirm to tell the truth, the
10	whole truth, and nothing but the truth before this
11	Committee and to respond honestly to the Council
12	Member questions?
13	DEPUTY DIRECTOR CHAVEZ: Yes.
14	CHAIRPERSON GENNARO: Also, please state
15	your name for the record.
16	DEPUTY DIRECTOR CHAVEZ: Joe Chavez.
17	CHAIRPERSON GENNARO: Nice and loud.
18	DEPUTY DIRECTOR CHAVEZ: Joe Chavez.
19	CHAIRPERSON GENNARO: Thank you.
20	COUNCIL MEMBER GUTIÉRREZ: Perfect. Thank
21	you. You want me to repeat that question?
22	DEPUTY DIRECTOR CHAVEZ: No, I think I've
23	got it.
24	The Mayor's Office of Climate and

Environmental Justice has currently been working on

COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND 1 WATERFRONTS an environmental justice report. We have used a lot 2 3 of criteria, demographic criteria on a lot of environmental hazards, air quality is a major one, 4 communities that have seen disinvestment or 5 underinvestment in environmental justice so the EJ 6 7 report is considering a lot of different factors, and we have identified EJ zones and have shared that 8 information with DCAS which is what they have been using to prioritize projects in EJ zones. We also are 10 11 using the New York State Designated Disadvantaged 12 Communities Maps to also help make sure that we're 13 targeting certain geographies that the State has 14 identified for environmental justice. COUNCIL MEMBER GUTIÉRREZ: Wonderful. 15 Chair, can I have one more minute? 16 17 CHAIRPERSON GENNARO: By all means. COUNCIL MEMBER GUTIÉRREZ: Thank you. I'm 18 19 really encouraged by that. Would you be able to confirm if some other factors included are related to 20 21 hospital admission rates or access to green space? Are those also factors kind of considered in that 2.2 2.3 calculation? DEPUTY DIRECTOR CHAVEZ: There are I think 24

over 50 different factors that were considered so I

can't name all of those right now, but I can get back to you with specific factors that we included.

COUNCIL MEMBER GUTIÉRREZ: Okay, wonderful. I also noticed, please confirm, for the Leading the Charge initiative, there are 4 billion dollars committed to it in the lifespan of the initiative?

EXECUTIVE DEPUTY COMMISSIONER THUO: Yes.

COUNCIL MEMBER GUTIÉRREZ: Where 1.7 billion of it has been allocated to date more or less? Is there a specific plan or a timeline for the remaining billions of dollars to be allocated? If you said this, I'm sorry. I know I came in late.

mentioned before, we are fully committed to the 100.

We're working with DOE, we're working with SCA to
figure out how we can make that happen, but right now
we're committed to 69 and we're moving forward with
it. As I mentioned before, too, the lessons learned
we're going to get from the construction of the 69
will serve us well in the next.

COUNCIL MEMBER GUTIÉRREZ: Wonderful.

Thank you. Just one more question. Of the 69 schools

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1	COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND WATERFRONTS 63
2	that you mentioned, those are the schools that have
3	been designated, correct? Yeah? And the goal is 100?
4	EXECUTIVE DEPUTY COMMISSIONER THUO: The
5	goal is 100, yes.
6	COUNCIL MEMBER GUTIÉRREZ: Has the work
7	begun in any of the 69 schools?
8	EXECUTIVE DEPUTY COMMISSIONER THUO: Yes,
9	some of the work has begun
10	COUNCIL MEMBER GUTIÉRREZ: Oh, great. How
11	many?
12	EXECUTIVE DEPUTY COMMISSIONER THUO: We'll
13	circle back in terms of the specific schools that the
14	work has already begun.
15	COUNCIL MEMBER GUTIÉRREZ: Okay.
16	EXECUTIVE DEPUTY COMMISSIONER THUO: But,
17	yes, the work has begun.
18	COUNCIL MEMBER GUTIÉRREZ: Wonderful. I
19	think that's what advocates would love to see.
20	Wonderful. Thank you so much, Chair. Thank you, guys.
21	CHAIRPERSON GENNARO: Thank you, Council
22	Member Gutiérrez. Appreciate your questions.
23	I just have some followup questions for
24	the panel. This will kind of be like a lightning

round here. Staff has come up with some good questions.

The narrative for the first question is that the Administration has a goal to install 100 megawatts of solar power on City-owned buildings by 2025. Maybe this was covered in your statement; I'm not sure. What is the amount of power that can be produced by PV systems on City-owned buildings today? Do you mean how much is actually being produced or what's the capacity? Oh, so the question what is the amount of PV that is being produced by PV systems on City-owned buildings today I guess in megawatts.

EXECUTIVE DEPUTY COMMISSIONER THUO: As of today, it's 22.7.

CHAIRPERSON GENNARO: Okay. In September 2022, the Administration reported that it was in the process of installing PV systems on City-owned buildings that would produce a net power of 46.3 megawatts. Have these systems since been installed? That's a little more than a year ago it was reported that there would be a net power supply of 46.3. Oh, not many because you're at what...

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EXECUTIVE DEPUTY COMMISSIONER THUO: Well, we actually have projects now underway for 50 megawatts more.

CHAIRPERSON GENNARO: Okay.

EXECUTIVE DEPUTY COMMISSIONER THUO: Yeah.

CHAIRPERSON GENNARO: Thank you. Has the Inflation Reduction Act made it cheaper for the City to procure rooftop solar panels? I guess embedded in that question is there is money coming from the IRA to the City to do that. Is that the reality and has the Inflation Reduction Act made it cheaper for the City to obtain rooftop solar panels? Is there some nexus between the IRA and our solar program?

EXECUTIVE DEPUTY COMMISSIONER THUO: Thank you for that question. I have to say we're taking a holistic picture of really trying to take advantage of any federal grants we have that are available to us, and this is one of the aspects that we are looking at to see how it can make it cheaper for us and be able to be able to install more solar, and I think fleet is a great example of how Keith has taken advantage of grants to just expand our electrification, our chargers, and I don't know

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whether, Keith, you want to talk a little bit more about that.

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CHAIRPERSON GENNARO: Keith, please.

DEPUTY COMMISSIONER KERMAN: Sure. Thank you. We announced early in the year in January with Mayor Adams that 10 million dollars of CMAQ federal DOT dollars would go into buying 1,000 electric vehicles so we began the year with 4,000 electric vehicles. We are now on the cusp, not quite there but pretty close to 5,000, and that's the pace we're going to need to keep as we go to the Local Law 140 requirements to electrify the fleet. There is a tax credit as part of the IRA, a tax credit for electric vehicles of up to 7,500 dollars a vehicle so we've been waiting to get, there's guidance that we've been waiting for to submit for that, and we expect to get that guidance very soon so that could be a real major support for us as we try and offset some of the budget issues. 7,500 dollars per 1,000 electric vehicles is 7-plus million dollars. It's a lot of money that we plan and hope to put right back into sustainable fleet.

We also are pursuing other grants in partnership with the Mayor's Office of Operations and

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DOT for more solar carports. We have 159 solar carports right now throughout the city so we're looking for federal grant money to expand that program, clean energy, zero emissions, and also resiliency for us. Answering that question of what happens if we have power outages so we're pushing on all fronts on the federal side.

CHAIRPERSON GENNARO: Thank you. Local Law 32 of 2023, which you made reference to in your statement, prohibits the use of number 4 heating oil in public buildings including public school buildings after July 1, 2025. Is the Administration prepared to meet this deadline? This was my bill so, you know...

EXECUTIVE DEPUTY COMMISSIONER THUO: We're very appreciative of your bill.

 $\label{eq:chairperson} \mbox{CHAIRPERSON GENNARO: I want a true answer} \\ \mbox{on this.}$

EXECUTIVE DEPUTY COMMISSIONER THUO: The answer is yes. We are transitioning out of number 4 fuel oil into number 2, and we have 200 schools that are going to be transitioning into it, and roughly 100 schools right now have...

CHAIRPERSON GENNARO: 200 schools, but when we passed the law, it was about 25 percent of

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public school buildings were using number 4. I don't know how many public school buildings there are. What is it, like 1,100 or something, and 25 percent of that is I guess about 300 or so, so the universe of school buildings that were using number 4 was closer to 300, right? Whatever it was, you just answered that you plan on having it all done by the deadline of July 1, 2025.

EXECUTIVE DEPUTY COMMISSIONER THUO: Correct.

 $\label{eq:CHAIRPERSON GENNARO: Great answer. Love that answer. Thank you.$

one. In 2019, DCAS published a study of the use of renewable diesel or RD as a heating fuel in City-owned buildings. What proportion of heating systems in City-owned buildings use RD today? As a followup, does DCAS intend to increase the number of heating systems in City-owned buildings which use RD? I'll just take this as an opportunity to have Keith kind of do his whole RD, like the story of RD, even though this is about the proportion of heating systems in City-owned buildings that are using RD today and do you plan to increase that, but you've got a whole

story behind RD so why don't we just, the question is just tell us about RD and the promise you believe it holds on all frontiers.

DEPUTY COMMISSIONER KERMAN: You bet.

First, what is renewable diesel and what is biodiesel? These are non-fossil fuels. We are not digging up and going underground to unearth all kinds of pollution to get our fuel. We are using waste products and farm products, byproducts, not food by the way, we don't use a bean, we don't use corn, we use waste products. Used cooking oil, waste animal fat are our current two sources for our renewable diesel.

CHAIRPERSON GENNARO: I'd just point out the subtlety of that. The fact that you're using waste products takes out all of the sort of carbon footprint that would be involved if you were growing these and producing them and so that is much more carbon friendly using waste products than using virgin products that got grown for this purpose.

DEPUTY COMMISSIONER KERMAN: Absolutely.

CHAIRPERSON GENNARO: And that's

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DEPUTY COMMISSIONER KERMAN: And we follow the lead of the California Air Resources Board in assessing the climate intensity in the what are called the pathways, and we are achieving 60 percent minimum, up to 80 percent greenhouse gas reduction using these biofuels as well as at the tailpipe 15 to 35 percent in reductions at the tailpipe so major environmental move forward. We've long used biodiesel which is the same feed stock so same waste products, farm products and, through your leadership, we've been implementing Local Law 73 of 2013 in the fleet. Biodiesel has certain operating restrictions and really can only be used in 20 percent or less so you can use 20 percent in a Sanitation truck but the other 80 percent has to be regular fossil diesel. What's the next stage? How do you get to 100 percent switch, and that's renewable diesel. Renewable diesel is manufactured to the exact same specification, what's called ASTM 975, as regular diesel. It is regular diesel at an operating level, but at a production level it's a recycled product, a renewable product, and more environmentally friendly product. As you know, we know announced and Mayor Adams and Commissioner Pinnock announced just a few weeks ago

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that we're moving the whole fleet to renewable diesels, not just the trucks on-road but also the off-road equipment. We have 5,000 off-road equipment pieces, chippers and stump cutters and front-end loaders and snow melters and I could keep going on so that's an important area of emissions. It's not just what is driving on the road. We are well on our way to that. Most agencies, Commissioner Thuo mentioned Sanitation, every truck today is using renewable diesel. Parks, DEP, DOT, Department of Correction, we're beginning that process with the Police and Fire Departments so there is the potential, and our focus right now is to get the fleet done. We are the first city east of the Rocky Mountains to be doing this. The first entity east of the Rocky Mountains. Most renewable diesel is sold in California, which uses it in extraordinary scale. We are the first group under the Adams' Administration to bring renewable diesel anywhere to the East Coast, frankly anywhere east of the Rocky Mountains, anywhere in most of the country. We're focusing on getting fleet done, and we're close to that, but there is potential so we did publish a report that you mentioned on the potential for renewable diesel in two other important areas,

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heating oil and marine vessels, so now our focus is the fleet and we want to get the fleet done, make sur it works well, prove that it's successful, but those are two very important potential areas. We've begun internal discussion of those. We're beginning that process. When we did renewable diesel, we had a long regulatory process with the Fire Department, with EPA, with State DEC, we did a lot of nation-leading work to get renewable diesel ready for underground storage tanks, for dispensers, for trucks. We did a 1-million-gallon demonstration project in 2018 so we have to do the due diligence. We're beginning internally that due diligence on the heating oil side and on the ferry side so while we don't have anything to announce on either of those yet, what we want to do is make sure the trucking program gets fully implemented and done. There is extraordinary potential on carbon reduction on both the heating oil side and heating oil is 25 to 35 million gallons a year so fleet is 15 to 16 million gallons. Heating oil is a bigger opportunity. Then on the ferry side as well. After trucks, the largest emitter on transportation is vessels so renewable diesel, right now we're getting it done on the trucking side.

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That's why we're going to meet and, under DCAS' leadership, we will meet 50 by 2025, a more aggressive target than the other targets. We will meet that on the fleet side. Then there's real opportunity on the heating oil side and ferry side as well.

on the heating oil side and on the ferry side, with heating oil I guess you're dealing with the fuel oil burners and the warranties and this is going to void the warranty, is it going to work, so there's all that. I guess the same thing with the engines that are on the ferries, right. The makers of those engines or whatever, are they going to certify that this fuel is usable in their equipment and will it void the warranty or whatever so this that's probably what you're talking about, right?

DEPUTY COMMISSIONER KERMAN: Exactly,

Council Chair. We had many, many years of due

diligence and a lot of extraordinary work was done by

DCAS, also the Department of Sanitation was very

involved, and I wrote my newsletter about Spiro

Kattan at the Department of Sanitation who has done

this work for decades and was hugely important to

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this effort. We need to do that same work now in the burner manufacturer world, the Becketts of the world, a whole different set of equipment and less experience in biofuels but very interested. We've had really good initial forays into the heating oil equipment side. They are very interested in the potential of this fuel. The same with the vessels, and we're partnering, there are five vessel programs, of DOT, DEP Sludge Boats, the Fire and Police Department emergency vessels, and then EDC, the NYC Ferry so that's a little bit newer equipment for DCAS or at least for my program. Obviously, we tend to stay on land, but we are in conversations with everybody, and we have to do that due diligence on the equipment side with the manufacturers, also on the regulatory side so it's a little bit different on the regulatory side. The Department of Buildings will be involved. Vessels have some other regulatory requirements including the U.S. Coast Guard, but that work is all ahead of us and very tremendous potential to help DCAS and the City meet these targets.

CHAIRPERSON GENNARO: Thank you. I think the RD program has been phenomenal. Like when I started on my biofuels journey years ago, I didn't

think we'd get this far this fast, and it's really extraordinary.

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Although you work on the public sector side, is there an interest in this fuel on like the private side to the extent that you know a little bit about that? I'm just curious what's going on with that, if you could share that.

DEPUTY COMMISSIONER KERMAN: Yeah, there's enormous interest. There are a lot of entities. For everybody who is listening in, renewable diesel is not a new fuel. It's a fuel that's being used in billions of gallons in California and also in Washington and Oregon and Canada is also developing a substantial renewable fuels program, and it's a complete switch out from fossil fuel. On the West Coast, there's a policy called the Low Carbon Fuel Standard, and the LCFS is what's driving not just renewable fuels but it's also driving electrification. It's essentially a version of a carbon market and how if you're an electric vehicle maker or an electric charger installer, you can get carbon credits. If you're renewable diesel instead of fossil diesel, you can get carbon credits. So that policy is one of the major California policies, and

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it's the reason all this fuel gets sold out there and not there. We're trying to change that. I can tell you I've talked to a lot of major entities, I won't name them as a courtesy, but I've talked to some of the biggest fleet operators in New York State and they're all extraordinarily interested in moving to this fuel, and a lot of them are national in scope so they're using the fuel in California so they already know the fuel, it's not a theory to them, they are kind of saying hey, all of our trucks run on renewable diesel or electric in California, in New York we can't get it. One of our hopes is, and DCAS has moved to this, is to try and create the market, make the market for renewable diesel, help educate people that this is an alternative that's out there, but there's a lot of interest, and I think if we can look at the regulatory side and build supply, you would see a lot of big name companies, I'm tempted to name them but it's not the right thing to do, but a lot of big name companies that everybody knows who are using it in California and would be using it in New York if we can get the supply here.

CHAIRPERSON GENNARO: Would it be fair to say that New York City's foray into RD and the huge

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contract that you just let for this is going to bring some kind of economy of scale to others that want to purchase this fuel so there will be kind of carbon impacts beyond just what New York City realizes for New York City government because we went first and so now RD is here and all the infrastructure or whatever for it is in place and that's going to allow the private sector to avail itself more of this. Is that a fair statement?

DEPUTY COMMISSIONER KERMAN: Absolutely.

This has been a challenging contracting process. The Commissioner mentioned that a lot of these contracting processes are difficult. I will tell you having done this for a long time, as you know, this is one of the toughest contracts we've ever done because we've had to bring a product that does not exist anywhere nearby and bring it here, but we got it done. Now, there are multiple vendors out there who are now trying to promote renewable diesel as a product in New York State so we've already seen a jump in the vending base. My understand is we'll see our first retail location, our first gas station, that's offering renewable diesel very soon so that's what we want to spark. Obviously, we need to see more

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of that, but that's what we want to spark and, if we can get renewable diesel widely available in New York City and New York State, that is going to help both the government side and the private side meet these targets.

CHAIRPERSON GENNARO: It's probably the case that there's a price delta between RD and regular diesel so how much is that?

DEPUTY COMMISSIONER KERMAN: First, I'll say in California, Oregon, and Washington, renewable diesel is selling at the same price as diesel or less because they've created a market. Obviously, we are an early adopter, but let me just tell you a little bit on the pricing because it's interesting. Fuel prices are very volatile things. We have brought in 7.5 million gallons of RD so far, two barges. We just finished the first barge. We're working on the second barge, our first Arctic barge, and I will say that we have what's called the Arctic blend so we'll be the first cold weather user in the United States of renewable diesel. We're paying 4.82, 4 dollars 82 cents a gallon. That's what we're paying, and it's a fixed price per barge. I'll give you some reference points. For the last year, where we go to retail

COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND 1 WATERFRONTS 79 diesel which is mostly emergency services, we've paid 2 3 \$5.12, we've paid more when we go to a gas station 4 for retail diesel, and price has been as high as \$6.10 one year ago in November 2022. We fuel in-house so right now RD in-house where we have our own in-6 7 house dispensers, in-house tanks is more expensive. 8 That price has been \$4.13 so we're paying a little bit more on the in-house side. We're paying less than the retail side, more on the in-house side, but even 10 11 on the in-house side, one year ago, we were paying 12 \$5.77 for regular diesel. We were paying more than we 13 pay for RD. I can tell you we expected to pay more for RD because there's no market, and we have already 14 15 offset those costs through reduction in total fuel use so we're saving, same thing we do with electric, 16 17 we pay more upfront for an electric vehicle, we save 18 in maintenance, we save in fuel over time. We have 19 reduced, as was mentioned in the testimony, 4.6 20 million gallons a year of total fuel use so any 21 increase in renewable diesel will be totally self-2.2 funded, totally offset by the fact that we're burning 2.3 less fuel. The fuel budget is going to maintain itself. That said, I'm not prepared to say renewable 24

diesel will be more expensive at the end of the year

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because who knows what we'll be paying in diesel fuel. Diesel fuel went up two dollars in the last two years so on the pricing side we expect it to be more expensive, I'll concede that because there is no other market, we're an early adopter and frankly you're paying for a lot better product, but diesel fuel has been so expensive, the fossil diesel has been so expensive that frankly I think renewable diesel makes total sense and, of course, it's a different marketplace. It's based on the California Low Carbon Fuel Standard, it's different feed stocks so you aren't impacted necessarily by the same factors that impact fossil diesel.

CHAIRPERSON GENNARO: That's all great news so we really have nothing to fear about belt-tightening and looming budget cuts making us move away from this fuel. We're too far in to do that, right, and everyone's always wondering about outyear budget gaps or whatever and trying to squeeze every last penny.

DEPUTY COMMISSIONER KERMAN: I'll never opine on the potential for reductions because that is sometimes universal, but what I will say is we employed a strategy which was to bring this fuel in

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to meet our greenhouse gas goals, our emissions goals, and to offset any additional costs by the efficiencies in the fleet. By the way, that's exactly what we do for electric. Every electric vehicle we buy is more expensive than the gas version, but, over time, we make it up by savings so that's what we employed here and it's working.

CHAIRPERSON GENNARO: God forbid there is any kind of budgetary pushback. Let me know. We have our own ability here in the Council to advocate for stuff, and this is really a huge success story that's going to pay clean air and carbon reduction efficiencies all up and down the East Coast as this grows.

Would it be fair to say that there is sufficient capacity to produce as much of this fuel because one would think that maybe there's only so much waste agricultural product out there or whatever, and so are we like the Saudi Arabia of RD, it's just like we have an endless supply or how does that work?

DEPUTY COMMISSIONER KERMAN: I mean there are absolutely feed stock limitations. I don't think anyone would say that there is feed stock

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availability to replace all fossil fuel in the United States today. That said, we're seeing enormous growth in renewable diesel supply, and somebody's announcing a new renewable diesel plant with support from the federal government, the renewable fuel standard, all the time. When we started this program back in 2017 and 2018 when we did our demonstration project, there was far less supply out there than there is today. California has an insatiable appetite for it, and they are planning I believe by 2030 to have all fuel in the State of California, public and private, be renewable fuel so there's a lot of additional supply out there. I'm hopeful that in a couple of years we're talking about New York using tens of millions of gallons and worrying about whether we need more feed stock, but we have enormous growth opportunity in front of us right now, and that's what we should focus on.

CHAIRPERSON GENNARO: Thank you. It's in large part to your good efforts, Keith, so we certainly do really appreciate that.

I almost don't want to ask any more questions based on the great answer we got there. I don't think it gets better than that. Where are we?

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In June 2023, DEP launched a partnership with National Grid to provide natural gas to 5,200 homes using the methane produced by the wastewater treatment process at Newtown Creek Wastewater Resources Recovery Facility. However, in November 2023, just last month, the publication, Gothamist, either accurately or inaccurately, reported that the program had gone offline with no timeline for its return. That's what Staff was able to glean from the media. Again, that's either true or it's not so the first question is why did the program go offline and when might it start back up again?

COMMITTEE COUNSEL MACLACHLAN: Before you begin, if you could please state your name for the record and I'll administer the oath.

Do you affirm to tell the truth, the whole truth, and nothing but the truth before this Committee and to respond honestly to Council Member questions?

 $\mbox{ FIRST DEPUTY DIRECTOR GAJWANI: I do. I'm } \\ \mbox{ Jane Gajwani from DEP.}$

CHAIRPERSON GENNARO: Okay, there you go. You heard the question.

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Just for context, we have at Newtown Creek which is our largest wastewater resource recovery facility, we have a program where we have our eight anaerobic digestors, they create biogas, and any excess biogas that is generated is cleaned up by a system that National Grid owns and operates and maintains. It cleans up to Natural Gas Standards, and it's injected into the grid to be used in local homes and commercial establishments, etc. The system started up at the end of March. It took a long time to construct. I think that was also fairly well-publicized. It started up at the end of March and in August there was a vibration issue that developed that, it's a high-pressure system.

 $\label{eq:CHAIRPERSON GENNARO: There was a what issue that started up?$

FIRST DEPUTY DIRECTOR GAJWANI: There was some vibrations. It's a high-pressure system that separates the, biogas is composed of about 65 percent methane and 35 percent carbon dioxide so there's a high-pressure system that actually separates out the carbon dioxide from the methane so that it could purify the biogas to meet Natural Gas Standards which

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is most entirely methane. They had a small vibration issue but, because of the high pressures, it started to compromise the vessels itself so they had to take the entire system down in order to identify what the vibration issue is. That took some time, they made some repairs. They've actually been up and running periodically for the last couple of weeks now so for about two and a half months the system was down while they made those repairs and they were doing troubleshooting of the vibration issue. Just to be completely clear, we've been using about 60 percent of the gas on-site so this is just the excess gas that's going.

CHAIRPERSON GENNARO: Oh, whereas most of the gas that's produced there is used on-site to run the facility?

FIRST DEPUTY DIRECTOR GAJWANI: Correct.

It's used to heat the digestors themselves and also seasonally for building heat.

With this extra 40 percent that would be going to National Grid, for that time period, that was being flared, but within the last few weeks, they've been operating about half a day, like on for half a day, off for half a day, so about 20 percent

of it was going to the grid and about 20 percent was being flared. They're getting a thermocouple replaced this week, and so we anticipate that they'll actually be back up and running by the end of the week.

CHAIRPERSON GENNARO: Yeah, there are other followups, but I think that covered it so thanks for that and good luck with that.

FIRST DEPUTY DIRECTOR GAJWANI: Thank you, Chair.

CHAIRPERSON GENNARO: Okay, I have two more here then you'll be free.

How will DCAS' November Plan and PEGs affect its ability, if it will affect its ability, to achieve the decarbonization of City government operations necessary for Local Law 97 so do we have any budget problems with regard to the decarbonization? Is that foreseen?

agency obviously has PEGs, but our expense budget, it was not cut so that's good news. For our capital plan, however, we are now in discussions with OMB to see how we can keep our funds and plan for the future.

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CHAIRPERSON GENNARO: I used to work for OMB 40 years ago. The people I worked with I don't think are still there but if I have any contacts, I'll...

EXECUTIVE DEPUTY COMMISSIONER THUO: I have to say that they've really been advocating for us.

 $\label{eq:chairperson gennaro: Yeah, let us know} % \begin{center} \begin{cente$

No, really, I worked there in 1983, '83 to '85, a long time ago. This is like when the City's budget was like 20 billion or 10 billion or something. Yeah, a long time ago. Thank you for that.

According to the 2022 New York City

Government Greenhouse Gas Inventory, which is
available on MOCEJ's website, the greenhouse gas
emissions from the City's water supply system
increased by over three times, like it tripled,
between FY-06 and FY-22 due to an increase in power
consumption. What accounts for this increase? Using a
lot more energy in the City's water system so the
question is what accounts for this increase in power
consumption to deliver water to the city?

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FIRST DEPUTY DIRECTOR GAJWANI: Yeah, there's a really clear reason for it. I should start out by saying that New York City has one of the most energy efficient water supplies in the entire country.

CHAIRPERSON GENNARO: Because of me, you're welcome.

FIRST DEPUTY DIRECTOR GAJWANI: But it is because we have a pristine water supply from Upstate, and then also...

CHAIRPERSON GENNARO: Also because of me, you're welcome.

FIRST DEPUTY DIRECTOR GAJWANI: And then it also comes from the mountains so it actually mostly flows with gravity.

CHAIRPERSON GENNARO: Mountains, I didn't do. The mountains were there longer than I've been around.

of the water that comes, the billion gallons of water that comes to the city each day is mostly conveyed by gravity. It's a marvel of modern engineering. We're very proud of it. Following 2006, we had two really large facilities come online. One is the Croton Water

Filtration Plant, and the other one is the
Catskill/Delaware Ultraviolent Disinfection Facility.

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CHAIRPERSON GENNARO: Right, right, right, yeah. Those are pretty intensive users of power, yeah.

FIRST DEPUTY DIRECTOR GAJWANI: Yeah, the Croton Water Filtration Plant provides both filtration and disinfection to about 10 to 25 percent of the water supply and then the UV facility covers about 75 to 90 percent, and they're both pretty significant. Even with those online, we are actually still one of the most efficient. It was a really small number to begin with and so, even though it tripled, we're still one of the most efficient water supplies in the country.

CHAIRPERSON GENNARO: No argument. With that, I want to thank the panel. I know it was like a toughie at the outset, but I really appreciate all the good work that you're doing and best of luck to you in your new position, and it's really a pleasure to work with the Adams' Administration in general and their commitment to decarbonization, environmental quality, you name it, and Rit and the whole team, just really great people to work with and I

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appreciate your efforts, but I'm holding you to the three-month thing about when we're going to be at 40 percent reduction so you get three whole months. You can have a nice holiday season but, after that, you have to get rid to it.

CHAIRPERSON GENNARO: I want to thank this panel very much for being here today, and I want to thank Rob Cataldo (phonetic) for always being a great liaison between us and all things environmental in the Administration. He's a great American. I'm sure somebody is either going to hang back to listen to the rest of the testimony or watch it on livestream or something so that the Administration gets the benefit of the people yet to testify who have views that I want the Administration to see. Thank you very much, really appreciate it. Wish you all a healthy and happy holiday season and hope to see you real soon.

DEPUTY COMMISSIONER KERMAN: Same. Bye.
Thank you.

COMMITTEE COUNSEL MACLACHLAN: We will now turn to public testimony.

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Each panelist will be given three minutes to speak.

For panelists testifying in person, please come to the dais as your name is called and wait for your turn to speak.

For panelists who are testifying remotely, once your name is called, a Member of our Staff will unmute, and the Sergeant-at-Arms will give you the go-ahead to begin. Please wait for the Sergeant to announce that you may begin before delivering your testimony.

CHAIRPERSON GENNARO: Also, if anyone has written testimony that they would like us to have, you can hand that to the Sergeant, and the Sergeant will bring it up to the dais.

The Counsel will call the first panel.

COMMITTEE COUNSEL MACLACHLAN: The first panel will be Alia Soomro with the New York League of Conservation Voters, Anna Pavlova with Carbon Quest, and Harrison Nesbit with NYC H2O.

You may begin when ready.

ALIA SOOMRO: Good afternoon. My name is
Alia Soomro, and I'm the Deputy Director for New York
City Policy at the New York League of Conservation

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Voters. Thank you, Chair Gennaro as well as Members of the Committee on Environmental Protection, for the opportunity to testify today. I have submitted longer written testimony.

New York has some of the most ambitious climate laws and policies in the country including 80 by 50, Local Law 97, and earlier this year the release of PlaNYC: Getting Sustainability Done. Nevertheless, New York City's government operations has a long way to go to cut its carbon emissions. While NYLCV appreciates the City's leadership developing PlaNYC report as well as the City Council's leadership in passing many important climate laws such as the law establishing the phaseout of fuel oil grade number 4 in private and publicly owned buildings, at this point we must focus heavily on the implementation of existing laws and policies and, perhaps most importantly, the need for robust funding and long-term capital planning. I will now highlight a few points from my written testimony.

Regarding building, the vast majority of
New York City's greenhouse gas emissions comes from
our buildings. With the recent passage of City of Yes
for Carbon Neutrality, NYLCV believes that our city

is better equipped to make much-needed building retrofits to fight climate change. This zoning amendment will help the City meet its goal to install at least 100 megawatts of solar power on City-owned buildings by the end of Fiscal Year 2025.

Additionally, we supported Mayor Adams' Leading the Charge program, which calls for the construction of all new City schools to be all electric. We hope the City stands by these goals and timely implements them.

Transportation is the third largest source of greenhouse gas emissions in government operations so electrifying the City's fleet is a key component. This includes plans such as the City's Clean Fleet Plan which commits the City to reducing the City fleet by half by 2025. The City Council also recently passed Local Law 140 sponsored by Council Member Keith Powers which codified into law deadlines for electrifying the City's fleet. We urge the City to also work towards a mandate for an all-electric school bus fleet by 2035.

The City must continue working with utilities to invest in and expand EV charging

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infrastructure, especially for medium and heavy duty vehicles throughout the city.

Lastly, NYLCV would be remiss if we highlighted all these laws and plans without underscoring the importance of funding and staffing for City agencies to implement them. We were deeply disappointed by the budget cuts announced by the Mayor in November. Although we understand the fiscal challenges facing our City today, with the climate crisis growing more urgent by the day, this is no time for New York City to cut funding for vital services and other environmental programs. Time and time again, the climate crisis has shown us the need for long-term capital planning. For example, the City electrifies its buildings and fleets, the City must allocate more capital funding for building retrofits and the purchase of small, medium, and heavy duty vehicles such as garbage trucks, snow plows, and more. We encourage the City Council to continue collaborating with advocates, City agencies such as OMB and DCAS, and utilities such as Con-Ed and Nat Grid to ensure EV charging infrastructure.

With the numerous challenges facing the City, we must not lose sight of important climate

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deadlines and goals. We urge the City Council to continue working with advocates and the City to hold them accountable and thank you for the opportunity to speak.

CHAIRPERSON GENNARO: Thank you very much, and we really appreciate the great advocacy that we get from the League on all frontiers because they all do it all and grateful for the League's input and say hi to Julie for me and thank you for your good testimony. Say hi to Josh too. Thank you.

Next witness.

ANNA PAVLOVA: Hello. My name is Anna Pavlova, and I'm with the New York City startup, Carbon Quest.

As the City works to meet the rest of its emissions reductions goals, the City should continue to lead by example with decarbonization retrofits of its buildings and also serve as a demonstration ground for innovation. Adopting and demonstrating new technology in City buildings can speed up decarbonization, attract innovators and new types of jobs to the city, and also chart a path forward to other buildings subject to Local Law 97 and to other urban areas.

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When it comes to emissions reductions, not all buildings are the same. Many factors affect a building's ability and speed with which they can reduce emissions. In some larger buildings, such as hospitals, universities, wastewater treatment, complex systems like combined heat and power or fuel cells that serve resilience requirements and our critical infrastructure are either partially or fully dependent from the grid. Some of them cannot go back on the grid. In some other cases, large boilers and heating equipment is new, and the building or building complex is so large that immediate electrification will require either very large sums or significant operations disruptions. In other words, to achieve decarbonization, we must understand that not all buildings are the same and the speed of electrification will be different, and the costs will vary greatly, especially for those over 100,000 square feet. The City can showcase innovation in both heat pumps but also additional technologies by installing them in City buildings. Our company, Carbon Quest, offers a solution that could be installed in buildings that will otherwise not electrify soon. We capture the building's carbon and

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then store it in products like green concrete. Our application works well in hospitals, universities, other City buildings where there's combined heat and power, where there are buildings with heating systems that are fairly new, and where the costs of electrification at this moment are too prohibitive to engage in electrification right away. In many cases, clients that come to us have done electrification studies, and they show that the costs of electrification are 3 to 10 times more than our solution and where other operational complexities are preventing these buildings from electrifying quickly. In addition to ensuring that as many buildings as possible implement real measures right now, we also meaningfully contribute to the local green economy. Our CO2 is captured, made into liquid, and then permanently mineralized. It becomes rock during concrete-making process. This disposal of CO2 is permanent, but it only makes sense if the feed stock, the CO2, is recycled, i.e., captured as opposed to being brought from the commodity market where it's often trucked from Texas and is obtained from the gas flare. Even better if it is captured locally to avoid transportation emissions. We encourage the City to

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put carbon capture systems in one or more of the suitable buildings, purchase the concrete blocks with the captured CO2, and then also include our solution as one of the options for Local Law 97 compliance for public buildings. Adding such options for cities and showcasing these technologies will also generate additional union jobs in the city and attract private and even federal capital. Most importantly, it will lead to significant emissions reductions right away, even in complex operational building environments. Thank you for your time.

CHAIRPERSON GENNARO: Thank you. It's Anna, right? Nabby is sitting there in the beige sweater. Just make sure that she has your information. I don't know if you've already met with my Staff or not. I know I know of Carbon Quest. I have a question. With regard to the utilization of your technology and strategies that you have to offer for Local Law 97 compliance, presumably you've interacted with the Department of Buildings that's writing the rules pursuant to Local Law 97. Has there been receptivity on the part of the Administration with regard to the technologies and the strategies that you're advancing? Have those been kind of like

woven into the rules, like how is that working? Are you getting anywhere?

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ANNA PAVLOVA: Not yet. We've had several discussions with the Department of Buildings about our technologies and options, and they are thinking about it, but it's probably been now a year or so so we have not seen this being included as part of a solution to Local Law 97.

CHAIRPERSON GENNARO: We had the first round of rulemaking, second round of rulemaking, presumably subsequent rounds of rulemaking. In the section of the rules that have already been promulgated thus far, could your technology have played a role in that or are you more towards like the subsequent go arounds of rulemaking, would your technology be more, what's the word I'm looking for, more relevant to the subsequent rounds of rulemaking yet to come or has there been kind of like a missed opportunity from your perspective?

ANNA PAVLOVA: From my perspective, we could've absolutely been in the previous rulemakings, quite a few of them in fact, because we have a lot of clients who are ready to go who are not going to electrify right now. They might later. This would be

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kind of a bridge technology for them, and all they're waiting for is for the DOB rulemaking that would include us. In the past two rulemakings, we saw an opportunity, but we were not included at those times.

CHAIRPERSON GENNARO: All right. Nabby, why don't you meet with Anna if you haven't already? Again, when it comes to rulemaking, I'm in the Legislature. I can't put my thumb on the scale with regard to rulemaking. That's the domain of the Executive, but I talk to people. Nabby, just make sure you get, I can't get into a whole thing now but to the extent that, if you, Anna, could map that out to Nabby about here's what Carbon Quest and others who would purvey this technology offer, here are the rules that could've been a marriage, what happened, so Nabby, if you could get a handle on that, I'd appreciate that.

Anna, thanks for coming out today for our little hearing. No gift bag, but I think it was worth it to hear your good testimony and get a sense of what Carbon Quest has to offer so thank you for your appearance today.

HARRISON NESBIT: Thank you, Chair Gennaro and Members of the New York City Council Committee on

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Environmental Protection. My name is Harrison Nesbit, and I'm a member of the non-profit, NYC H2O. NYC H2O's mission is to inspire and educate New Yorkers of all ages to learn about, enjoy, and protect their local water ecology. Our activities promote science-based knowledge of New York City's ecosystems and of what is needed for urban water resilience in a time of escalating climate impacts.

In this testimony, we ask that the City expand blue and green roofs on City-owned buildings in an effort to mitigate stormwater runoff and keep sewage out of New York City's water bodies. It is vital for the City to lead by example in meeting the emissions standards required by Local Laws 97 as well as 92 and 94. Building Council Member Nurse's legislation to expand solar panels on City-owned buildings and public property, NYC H2O believes that similar legislation should be developed to bolster climate resilient infrastructure such as green and blue roofs, which sequester stormwater, reduce urban heat island effect, and support urban biodiversity. These roofs also improve energy efficiency, aligning with the City's 80 by 50 goals. These roofs represent a mosaic of benefits for all New Yorkers, a tool for

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both reducing emissions and adapting to hotter weather. We also appreciate that transportation makes up a large amount of carbon emissions, and we are excited by the recent legislation for the fleet to be zero emission by 2038. In light of this, we ask that DCAS consider the feasibility of purchasing vehicles that are capable of vehicle-to-grid charging. This enables that power stored in electric vehicle batteries be added to the grid when needed. This takes stress off the grid by providing load balancing during peak demand times, and this technology could lower energy cost, add a redundancy, and that fleet vehicles are ideal for vehicle-to-grid considering that they are often parked during peak hours. Thank you for your consideration, and we look forward to continue working with the Council Members and partner organizations as we meet the ambitious goals of the Climate Mobilization Act. Thank you.

CHAIRPERSON GENNARO: Thank you, Harrison. We appreciate you, and we appreciate NYC H2O for the impact that your organization has been able to make. Thank you for bringing up the Sandy Nurse bill. I was going to do that, it was one of my things to do, so thank you for bringing that up. I am bullish on that

bill so it's something that, as we look ahead to the next session which is not too far off, that is something that we certainly have our eye on. I appreciate all the environmental organizations that are coming out. We're doing a hearing on City government reducing its carbon footprint. We have Local Law 97 hearings that focus on private buildings and the place looks like Woodstock. I have no problem with that, but when it comes to City government reducing its carbon footprint as mandated by law, nobody cares, but you do and we appreciate that and we appreciate the partnership that both organizations and also Carbon Quest is trying to bring some value added to what we're trying to do with Local Law 97 and you and Nabby are going to meet so really appreciate this panel. Thank you very much for your good testimony.

COMMITTEE COUNSEL MACLACHLAN: Our next panel will be Daniel Chu with the New York City Environmental Justice Alliance and Kristin St. Louis with New York Lawyers for the Public Interest.

CHAIRPERSON GENNARO: These are two powerhouse groups coming up here, my god. Thank you

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1	COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND WATERFRONTS 104
2	both for coming. This is important and somehow I kne
3	you would be here so I'm grateful for that.
4	COMMITTEE COUNSEL MACLACHLAN: You may
5	begin when ready.
6	CHAIRPERSON GENNARO: Can I have the
7	slips? Let me see who I'm talking to here.
8	New York Lawyers for the Public Interest,
9	what's your first name?
LO	KRISTIN ST. LOUIS: Kristin.
11	CHAIRPERSON GENNARO: You're killing me
L2	with the small print, I'm telling you. You gotta see
L3	this slip. Very neat though but very small.
L 4	Daniel, you could see from space. You can
L5	see that slip from space.
L 6	Who's going first?
L7	COMMITTEE COUNSEL MACLACHLAN: Daniel.
L8	DANIEL CHU: Sure. Good afternoon, Chair
L 9	Gennaro. Thank you for holding this oversight hearing
20	on the government's obligation to reduce carbon
21	emissions. We'll be submitting our written testimony
22	later, but I want to highlight some things for you
23	today.
24	16.2 megawatts of solar installed on

City-owned and 46 total in development is not

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acceptable given that we had almost 10 years to prepare for building 100 megawatts of solar, and we're so far behind from getting 1,000 megawatts installed in New York City as a citywide goal. As a goal set 10 years ago, it is unacceptable that DCAS has not been better prepared to install more solar and develop more solar in citywide properties. Buildings are the most emitting sector in New York City government operations, and schools account for most of the emissions coming from City-owned buildings because they are one-fourth of the City's building profiles. Leading the Charge initiative was a good start, but, out of the 4 billion dollars in the Leading the Charge initiative, over 2 billion dollars of funding is still not allocated, and more programs need to be developed to electrify at least 100 of the most dismal schools, in conditions that are not electrified, that are having fuel oil operating their buildings so I think the City needs to do more in terms of allocating the 2.3 billion dollars in funding to make sure that we can electrify some of these schools in most dismal conditions.

The second most emitting sector in City government operations is wastewater. One-third of

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wastewater emissions comes from fugitive emissions.

DEP's Newtown Creek Wastewater Resource Recovery

Facility only operated for weeks before they had to shut down as you heard earlier today, and they're flaring excess biogas and polluting Greenpoint and Williamsburg. The Mayor has also cut organic waste composting citywide for community composting, and a lot of these organic wastes will be directed into digestors with no plans from the City to how to process these excess gasses being flared, and DEP has plans to expand the digestor program citywide in a number of other facilities.

Lastly, renewable diesel and alternatives fuels for fleet is not a viable solution in our opinion. It is impossible actually to renewable diesel and alternative fuels in citywide fleets without excessive conversion and readoption of different sort of vehicle technologies so it makes no sense for the City to adopt renewable diesel or other fuels when we can just electrify a lot of the vehicles in the fleet that we already have.

In sum, I think the City should stop producing biogas, stop generating or flaring excessive biogas in places like Greenpoint and other

COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND 1 WATERFRONTS neighborhoods, the City should be technologies like 2 3 carbon capture, we should start composting our 4 organic waste, we should electrify schools, buildings, vehicles in general, and we should start 5 building more offshore wind, on-shore wind, solar, 6 7 and energy storage. These are proven and scalable 8 that the City can do today to meet our 2025 and 2030 emissions reductions goals. Thank you for this opportunity. 10 11 CHAIRPERSON GENNARO: Thank you. I'm kind of bullish on RD. I guess that's where we diverge. At 12 13 least from like a philosophical perspective, I believe in sort of like greening on all fronts, you 14 15 know what I mean. DANIEL CHU: Sorry to intervene. Renewable 16 17 diesel and alternative fuels, we think they have... 18 CHAIRPERSON GENNARO: I didn't actually ask a question, but let me let you opine. 19 20 DANIEL CHU: These fuels, they may have a 21 place... CHAIRPERSON GENNARO: This is like the New 2.2 2.3 York City Environmental Justice Alliance. They get a chance to jump in, they're jumping in so I admire 24

that. Please.

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DANIEL CHU: They have a place in some hard to electrify sectors and maybe like heavy-duty, long-distance vehicles, but in our opinion, electrification is a way better solution. There are already proven and scalable technologies, and they don't produce co-pollutant emissions like NOX emissions or SOX emissions that harm the public health of New Yorkers. We're not saying they don't have a place, but they have a more limited place, and the City is disproportionately investing in them instead of investing in the solutions that are more scalable to meet our emissions reductions requirements.

CHAIRPERSON GENNARO: Right, and you indicated you are going to submit your written testimony because we want to get a handle on that.

DANIEL CHU: We'll definitely get it in.

CHAIRPERSON GENNARO: Okay, we certainly appreciate that. Always love dealing with the New York City Environmental Justice Alliance. Say hi to Eddie for us. Thank you very much for being here. You're one of the few environmental groups that showed up. Good for you.

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KRISTIN ST. LOUIS: Good afternoon. My name is Kristin St. Louis. I'm a Policy and Legislative Intern at New York Lawyers for the Public Interest, and we are a member of the Climate Works for All Coalition. Thank you, Chair Gennaro, for the opportunity to testify today. My apologies for the small writing. We will have written testimony...

CHAIRPERSON GENNARO: No, it's very neat, it's very neat, but small.

KRISTIN ST. LOUIS: We will have more elaborate written testimony that will be submitted.

We applaud the City Council for passing appropriately ambitious climate legislation over the past decade including Local Law 97 of 2019, Local Law 120 of 2021, and the Renewable Rikers Act of 2021 to name a few. But these critical climate laws will not sufficiently reduce emissions if they are not fully implemented and vigorously enforced, and we are deeply concerned about the impact that cuts to agency budgets for enforcement and implementation are having on our ability to regulate pollution, improve public health, and affect an equitable and rapid transition to sustainable City government operations. For example, the City targets to develop 100 megawatts on

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City-owned properties by '25 are only a fraction of the 2.8 gigawatts of solar generation that the PEAK Coalition has estimated as necessary to replace the City's pollution and expensive fossil fuel peaker plants. Therefore, we urge the City to think expansively about the potential for properties including rooftops, parking lots, Rikers Island, and landfills as sites for renewable energy generation, storage, and sustainable waste management infrastructure. DCAS and the Department of Correction have major obligations that they have not met under an earlier act to begin transferring land and evaluating sustainable uses of that land regarding Rikers Island.

Additionally, sustainable waste management practices in City schools and buildings can and should be part of a comprehensive zero waste campaign, promoting waste reduction, composting, and recycling across the residential and commercial sectors. This also extends to 9,500 school buses that are defacto City vehicles that need to be electrified.

Generally, rapidly improving the energy efficiency of New York City's public buildings

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including NYCHA buildings, electrification of New York City's massive fleet of vehicles including the school buses I just mentioned, and reducing the amounts of waste disposed from public buildings and schools should be top priorities for reducing climate and air pollution in our city and for making New York a global leader in sustainability.

We call on the City Council to ensure that relevant agencies are fully staffed and sufficiently funded in this year's budget and going forward to make the investments necessary to make the critical transition to low and zero emissions operations across City government.

We look forward to working with this

Council to realizing the full potential of our City's

climate laws, improving health for our communities,

and creating thousands of good, green, local jobs.

Thank you.

CHAIRPERSON GENNARO: Thank you very much.

I've been working with the New York Lawyers for the

Public Interest since I became the Policy Analyst for

the Committee back in 1990, which is almost a long

time ago, so a third of a century working with New

York Lawyers and it never gets old, and your

1	COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND WATERFRONTS 112
2	organization makes a great contribution and I knew
3	you guys were going to show up today as well so thank
4	you very much for your good testimony. We appreciate
5	it. If you could submit your testimony to the Council
6	through the portal or however that works, that would
7	be great because we want that for the record.
8	KRISTIN ST. LOUIS: Of course.
9	CHAIRPERSON GENNARO: Thank you both very
10	much for coming and we appreciate it.
11	KRISTIN ST. LOUIS: Thank you.
12	DANIEL CHU: Thank you.
13	COMMITTEE COUNSEL MACLACHLAN: We will now
14	turn to remote testimony. The first witness will be
15	Glen Bolofsky with the 504 Democratic Club.
16	CHAIRPERSON GENNARO: Glen.
17	GLEN BOLOFSKY: Yes, your, I want to say
18	your honor.
19	CHAIRPERSON GENNARO: Not my your honor,
20	Glen. Glen and I go back, oh my god, yeah, what's
21	cooking?
22	Hey, you're freezing on me. What are you
23	doing?
24	GLEN BOLOFSKY: (INAUDIBLE) Gennaro for

holding this meeting today. I'd like to thank also

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your Central Staff and your District Staff as well.

It takes many people to put this together, and we're appreciative of that.

(INAUDIBLE) how DCAS is doing a great job on converting all the vehicles and how all the other agencies are doing the best they can do to. We appreciate that. My ball of wax has to do with paperwork and carbon emissions and carbon footprint as most agencies are still mailing paperwork to the public, a public that doesn't even open mail anymore, and it's a waste of resources, waste of money in these tight budget times when everything could be digital. This hearing is digital, but many OATH hearings still are face-to-face. All the parking ticket hearings are still face-to-face even though many in the Council have written, including your office, to ask the Parking Bureau to conduct virtual hearings. They promised Finance Chair that they were going to do it by the end of the year, but they have not provided (INAUDIBLE) to do that so that promise is out the window. I had the ability to drop off at your DO about a month ago a stack of carbon paper, literally carbon paper that appears to have asbestos and carcinogens in it that DOF is mailing out to

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millions of people a year, and it's really, really bad so I just want to put that on the record that DOF is contributing to an environment that needs help to reduce the carbon footprint but they're going out of their way to make sure that the environment is not clean. They could easily convert to virtual hearings. They could easily send documents digitally. They have all the technology, but they are just (INAUDIBLE) it (INAUDIBLE) slow-walking.

That's my contribution today, and I thank the Chair and the Committee for its valuable help.

CHAIRPERSON GENNARO: Thank you, Glen. For full disclosure, everyone should know that Glen and I are personal friends, and you dropped stuff off at my District office. I just want to make sure that Nabby, if you can get that from Henry or whoever, Henry is my Chief-of-Staff, Nabby knows that but for the record he's my Chief-of-Staff, and we can talk to Council Member Brannan, Chair of the Finance

Committee about having the Department of Finance. I know their Commissioner, Preston Niblack, very well, and let's see if we can get to what Glen is talking about here with being paperless, cleaner, and having the Department of Finance and their adjudication

COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND 1 WATERFRONTS 115 process which I guess is what you were referring to 2 3 move into the cleaner 21st century. Nabby, you got 4 that? Okay. Glen, always good seeing you. I didn't know you were going to be here, but this is a nice 6 7 City Council surprise that you came and graced us 8 with your presence today and all the best to you and your family. We'll be talking soon, okay, buddy? GLEN BOLOFSKY: Thank you, Chair. 10 11 CHAIRPERSON GENNARO: Okay, you bet. Thank 12 you, Glen. COMMITTEE COUNSEL MACLACHLAN: The next 13 14 witness is Nina Guiduce with Transportation 15 Alternatives. 16 NINA GUIDUCE: Good afternoon and thank 17 you to Chair Gennaro and the Members of the 18 Committee. My name is Nina Guiduce, and I am the 19 Policy Manager at Transportation Alternatives. Thank 20 you for convening today's hearing. We will be written 21 comments as well. 2.2 The climate emergency is the existential 2.3 threat of our time. In just the past year, we've seen smoggy skies, dangerous air quality, excessive heat, 24

and flash flooding, and it's clear that the planet is

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going to exceed the target of 1.5 degrees warming in the coming years if we do not treat the emergency with the response it requires. Transportation remains one of the largest sources of greenhouse gas emissions in New York City that demands a government response matching the severity and urgency of the problem. Our transportation systems are complex but represent an enormous opportunity to advance climate justice, clean our air, improve public health, and make New York a livable city for generations to come.

We've set a goal for reducing emissions by 80 percent by 2050, and we cannot achieve our current mandates, let alone net zero emissions, without an urgent shift to green and sustainable transportation. According to the City's Greenhouse Gas Inventory, government transportation emissions have dropped 15 percent. Significant reductions are possible, but we need to accelerate quickly. The Administration must lead by example and enact policies that will set City agencies as a model for sustainable transportation. That means everything from consolidating the size of the City's fleet to shifting to greener vehicles including e-micromobility. The City should also invest and incentivize

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its workers to choose greener transportation and make it easier to do so as we approach the start of congestion pricing. We call on the Administration to study the most effective ways to provide and promote green commuter benefits, and that includes tracking how the over 300,000 City employees current get to and from work and potential methods to reduce the rate of employees driving alone to the office in the most congested parts of the city and where parking is most expensive.

Finally, the public deserves complete transparency as to what the City is doing to lower greenhouse gas emissions, especially in its internal operations. Going forward, the Council should set and track specific targets with interim goals by fuel type for the City's transportation emissions reduction and reducing the number of vehicle miles traveled. Thank you.

CHAIRPERSON GENNARO: Thank you very much,
Nina. We certainly appreciate your good testimony,
and the Council is both sympathetic and in sync with
what you're putting forward, and it's always a please
to work with TA and the fact that the TA made you
available for this hearing means a lot for me

COMMITTEE ON ENVIRONMENTAL PROTECTION, RESILIENCY AND 1 WATERFRONTS 2 personally, and so I thank you for your good 3 testimony. I would urge you to submit it for the 4 record as well so that we can have that. Thank you 5 for appearing today and we greatly appreciate it. COMMITTEE COUNSEL MACLACHLAN: Our next 6 7 witness is Chris Halfnight with Urban Green Council. 8 Okay. 9 CHAIRPERSON GENNARO: He's a good guy. We need him. 10 11 SERGEANT-AT-ARMS: You may begin Chris. 12 CHAIRPERSON GENNARO: Chris, are you out 13 there? 14 He's not on the Zoom? Okay. 15 Let me say for the record that Chris 16 Halfnight is a good guy, and everyone knows Urban Green, nice people. 17 18 COMMITTEE COUNSEL MACLACHLAN: If we have 19 inadvertently missed anyone that has registered to testify today and has yet to be called, please use 20 21 the Zoom hand function if you testifying remotely and 2.2 you will be called on in the order that your hand has 2.3 been raised. If you are testifying in person, please 24

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come to the dais.

Seeing none, I will now turn it over to Chair Gennaro for closing remarks.

CHAIRPERSON GENNARO: Firstly, I want to thank the Administration for sending excellent witnesses who were very nice and didn't push back at me too hard. Always a pleasure to work with Robert and with Members of this Administration as we move the sustainability and the resiliency of the City forward along with all of our necessary carbon reduction goals. I think I made my point today that we need to hear from the Administration on when we're going to get to 40 percent reduction in greenhouse gas emissions. We look forward to that either three months from now or sooner. We appreciate the members of the environmental groups that came forward to give us the benefit of your views and all of the good Staff who helped us put this together.

With that said, I have to go to work doing other things, but this was more fun than what I'm going to do next so thank you all very much.

With that, this hearing is adjourned.

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World Wide Dictation certifies that the foregoing transcript is a true and accurate record of the proceedings. We further certify that there is no relation to any of the parties to this action by blood or marriage, and that there is interest in the outcome of this matter.



Date December 15, 2023