CITY COUNCIL CITY OF NEW YORK

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TRANSCRIPT OF THE MINUTES

of the

COMMITTEE ON ENVIRONMENTAL PROTECTION

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April 25, 2012 Start: 10:48 a.m. Recess: 12:58 p.m.

HELD AT:

250 Broadway Committee Room, 16th Floor

BEFORE:

James F. Gennaro Chairperson

COUNCIL MEMBERS:

Elizabeth S. Crowley G. Oliver Koppell Peter F. Vallone, Jr. Brad S. Lander Stephen T. Levin

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Kara Matthews Metropolitan Waterfront Alliance

Sabrina Terry Environmental Justice Planner UPROSE

Catherine Skopic Chair Environmental Task Force

Robert Trentlyon

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 3
2	CHAIRPERSON GENNARO: How about
3	that? Okay. We're good. And so we'rewe have
4	sound, and I'm told we have television, like a
5	live feed. We have to wait that's great.
6	Okay. Welcome everyone. My name is Jim Gennaro,
7	Chair of this Committee, and today we will hear
8	Intro 834, a Local Law to amend the New York City
9	Charter, in relation to convening the New York
10	City Panel on Climate Change regularly for the
11	purpose of producing a report on climate change
12	adaptation in New York City. For more than ten
13	years, the Committee on Environmental Protection
14	has examined climate change impacts and
15	demonstrated leadership initiatives to reduce
16	greenhouse gas emissions locally. I was the
17	sponsor of Local Law 22 of 2008, the New York City
18	Climate Protection Act, although I myself call
19	for a 20% reduction, I thought I wasn't sure I
20	would be able to convince everyone in the
21	administration they said, we'll see the 20,
22	we'll raise you ten, let's make it 30. And yeah,
23	that's not a deal I was going to walk away from.
24	So, I want special thanks to the Bloomberg
25	Administration for making Local Law 22 of 2008,

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 4
2	you know, the great law that it is, which we call
3	the New York City Climate Protection Act
4	that City government reduces greenhouse gas
5	emissions by 40% from a 2006 baseline level by
6	2017. That's for the City Government sector, and
7	directly citywide greenhouse gas emissions
8	from all sources, private and public, be reduced
9	by 30% from a 2005 baseline, by 2030. On December
10	16th, 2011, this Committee also held an oversight
11	hearing on climate change impacts, climate change
12	impacts and mitigation measures. This hearing
13	demonstrated that more can be done and needs to be
14	done to address climate change impacts and
15	adaptation measures in New York City. CO_2
16	increases, and normally continue. For
17	example, on December 20182011, right after our
18	oversight hearing, the Atmospheric
19	Administration reported worldwide CO_2 levels at
20	392.19 okay and you've got to give me the
21	units. We're talking, when we're talking
22	scientific speak I can't just cite numbers
23	units, okay. We're just having a little fun here.

By April 8th, although, you know, climate change

and - - is not fun, but you know, we can have a

25

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 5
2	good time while we're solving it. There's no law
3	against that. By April 8th, passed a law
4	against having fun? Okay.
5	MALE VOICE:
6	CHAIRPERSON GENNARO: Yes, no.
7	Yes, well. Yeah. Yeah, I don't come back to
8	that right at this point in my statement, but
9	and I'll try to come up with something. By April
10	8th of 2012, worldwide CO_2 levels had risen to
11	.53, parts per million, four degrees since
12	December of last year. Recent data, also from
13	theokay, so you get the idea. This is
14	happening. The vast majority of scientists agree
15	that the impacts of climate change include damage
16	to ecosystems, such as coasts and coastlines, and
17	to buildings and property from severe weather, and
18	sea level rise and adverse health impacts.
19	PlaNYC's most recent climate change update
20	impacts, mitigation measures. Okay. Well, I
21	mean, we'll talk about that during the hearing,
22	certainly, PlaNYC and great job. Nextoh.
23	NYSERDA funding. Okay. NYSERDA climate
24	report, which that within New York City and
25	New York State climate change impacts are likely

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 6
2	to be but some households and sectors are
3	particularly vulnerable to climate change. Where
4	public health is concerned, impacts
5	susceptible populations can be deadly; but if you
6	do the right adaptation measuresyou know what?
7	Let's we're kind of going on and on here, and
8	we're taking away from the good people who have
9	given their time and talent towards so in
10	December and we felt it really would be a good
11	idea, something that came out of there, which has
12	been, which is also included in the most recent
13	PlaNYC update, would be to mandate that the New
14	York City Panel on Climate Change, which was
15	convened in 2008, and produced a deliverable in
16	2010, which opined on various mitigation measures
17	that the City can do; we believe that this panel
18	should be institutionalized, they should meet
19	every two years and make public reports on its
20	findings. The panel will assess the city's
21	current infrastructure citizens, under
22	plausible future climate scenarios and proposed
23	adaptation measures based on those scenarios. And
24	recent data on climate change from a variety of
25	government sources supports the institutionalizing

2 the New York City Panel on Climate Change, and not work of this important panel to chance in the 3 future. So, this was a good idea - - and the 4 5 Mayor did a good thing in putting this together in 6 2008. They created a good product in 2010 that's 7 been adopted, and we think that this should be ongoing. This was stated in PlaNYC's most recent 8 9 update. This is - - City that this panel really should be further institutionalized and meet on a 10 11 regular basis. So, basically the bill we have 12 before us today is essentially - - PlaNYC, a good 13 document to get very good ideas from and - - now 14 and at the end of our terms is to make sure that 15 the good work of PlaNYC to the extent that it can 16 be crystallized into local law is certainly a good 17 idea, and that will certainly oblige your future Councils and future administrations to heed the 18 19 good work of PlaNYC, and this is one of the things 20 that we think we should be doing guite a bit 21 between now and when we leave. And I'm grateful 22 to the staff for putting this - - together. We're 23 joined by Council Member Koppell, from the Bronx. 24 We have other members joining us. With that said, we'd like to call the first witness. From the 25

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 8
2	Bloomberg Administration we have Adam Freed, who
3	is representing the administration. He's with the
4	Office of Long Term Planning and Sustainability.
5	Everyone knows Adam. And we're grateful to have
6	you with us, Adam. He's taking the floor by
7	himself, he is. Adam, no help whatsoever? So
8	with that said, we'll follow hear in the
9	Committee swear the witness, and then you can
10	state your name for the record and proceed with
11	your good testimony. Thank you.
12	SAMARA SWANSTON: Hi. Do you swear
13	or affirm to tell the truth, the whole truth, and
14	nothing but the truth today?
15	ADAM FREED: I do My name is
16	Adam Freed, and I am the Deputy Director of Mayor
17	Bloomberg's Office of Long Term Planning and
18	Sustainability. Good morning, Jim Gennaro,
19	Committee Members. My name is Adam Freed. I'm
20	the Deputy Director of the Mayor's Office of Long
21	Term Planning and Sustainability. On behalf of
22	the Administration, I appreciate the opportunity
23	to testify on Intro 834 and discuss New York
24	City's efforts to ensure that our climate change
25	initiatives are guided by the best available

science. This has been a hallmark of PlaNYC, 2 Mayor Bloomberg's long term sustainability plan, 3 and our climate resilience program, which was 4 5 cited by the National Academies of Science's America's Climate Choices committee as one of the 6 most comprehensive approaches so far in the United 7 States. And this is also the subject of a - - of 8 9 a hearing that happened last December. I 10 personally want to thank the Chair and the 11 Committee Members for their continued leadership 12 on these incredibly important issues, and active 13 partnership with our office and the administration 14 to address the long-term challenges that face the 15 city. The Administration supports the intent of the bill to institutionalize the regular adoption 16 17 of New York City specific climate change 18 projections, which are the foundation on which our 19 climate resilience program is based, and a process 20 to ensure that our efforts are based on the latest 21 scientific information. PlaNYC, as you noted, 22 includes an initiative to achieve these very 23 goals. This includes institutionalizing the New 24 York City Panel on Climate Change, which was 25 convened by Mayor Bloomberg in 2008 to develop

City-specific climate change projections and to 2 advise the City on scientific issues related to 3 climate change. The NPCC consists of leading 4 5 climate and social scientists, economists, and risk management and insurance experts. While this 6 bill meets the broad intent of our initiative, 7 there are several elements of the bill as 8 9 currently drafted that we suggest be amended. The 10 current bill broadens the scope of the NPCC to 11 include topics that the panel is not constituted 12 to address, and could divert the advisory panel's 13 energy from critical scientific issues that remain 14 unresolved. To best meet the City's scientific 15 needs, the NPCC should focus on four critical 16 activities. One, the regular adoption of New York 17 City-specific climate change projections; two, the 18 development of indicators to track changes in our 19 climate and climate impacts; three, the provision 20 of quidance on how to use climate projections and 21 uncertainty ranges; and four, the periodic 22 reporting on emerging issues related to climate science and modeling. This last activity includes 23 24 addressing gaps in our current knowledge that are 25 essential to effectively plan for climate change,

including the potential acceleration of sea level 2 rise due to rapid ice melt and projections for wet 3 bulb temperature, which is the combination of heat 4 5 and humidity; wind, the frequency and intensity and the coastal storms; the relationship of air 6 and surface temperatures on the urban heat island 7 effect; and hourly rainfall. The NPCC developed 8 9 and released the City's first official climate change projections in 2009. This work was funded 10 11 through a \$350,000 grant from the Rockefeller 12 Foundation. The panel projects that by mid-13 century, New York City's average temperatures will 14 rise by three to five degrees Fahrenheit, and sea 15 levels could rise by more than two feet. With 16 rapid ice melt, this could be more like four and a half feet by the end of the century. By the end 17 18 of the century, the city's climate may be more 19 similar to North Carolina than present-day New 20 York. While New Yorkers currently experience an 21 average of 14 a year with temperatures over 90 22 degrees Fahrenheit, by the 2080s it could be more 23 than 60 days a year, which is a very dramatic 24 impact on our infrastructure, on our natural 25 resources, and as you mentioned in your opening

statement, public health. These changes pose real 2 and significant risks for New York City and have 3 informed our climate resilience efforts, as 4 5 detailed in December, and in the PlaNYC 2012 Progress Report released on Sunday. As our 6 climate and the state or climate science continues 7 to evolve, it is essential to reevaluate and 8 9 update our projections. The current bill would require the NPCC to update its projections at 10 11 least once every two years. This, however, could 12 cause unnecessary expenses and undue confusion and 13 redundancy in resilience planning and implementation efforts. Instead, adoption of new 14 15 projections should be timed to take advantage of updated climate models and findings of the 16 17 Intergovernmental Panel on Climate Change, which 18 are released every four to five years. This would 19 not prevent the NPCC from making amendments or 20 recommendations to their projections on a more 21 frequent basis, but would enable the development 22 of new information and models to dictate this 23 timeline rather than an arbitrary deadline. Thus, 24 we recommend that the NPCC adopt new projections 25 at least once every five years rather than once

every two years. Since the NPCC's projections 2 were issued in 2009, the National Oceanic and 3 Atmospheric Administration funded the Consortium 4 5 for Climate Risk in the Urban Northeast, CCRUN, through its Regional Integrated Sciences and 6 Assessments program. The mission of the CCRUN, 7 which is comprised of scientists from Columbian 8 9 University, City College of the City University of 10 New York, the Stevens Institute of Technology in 11 New Jersey, the University of Massachusetts-12 Amherst, and Drexel University, and I'll note that 13 many of the scientists and people active in the CCRUN are also active and served on the NPCC. 14 The 15 mission of the CCRUN is to serve stakeholder needs 16 in assessing and managing risks from climate 17 variability and change. The creation of the CCRUN 18 and the forthcoming National Climate Assessment, 19 due to be completed by the US Global Change 20 Research Program in 2013, could obviate the need 21 for the NPCC to develop its own climate change 22 projections. The NPCC could use existing models 23 and information instead to adopt New York City-24 specific projections. If additional research or 25 modeling is necessary, the City could work with

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 14
2	the CCRUN or regional scientific and academic
3	institutions to procure this information, which
4	would then be independently reviewed and vetted by
5	the NPCC and included in their adopted
6	projections. I thank you for the opportunity to
7	testify about this bill and to discuss the
8	Administration's efforts to increase the city's
9	resilience as well as your continued partnership
10	and leadership on these issues. We look forward
11	to working with you to revise the bill and ensure
12	that our climate risks are addressed through
13	informed decision-making, based on the latest
14	scientific information. I'm happy to discuss this
15	and answer any questions you may have.
16	CHAIRPERSON GENNARO: Thank you,
17	Adam. We certainly appreciate you being here, and
18	for your very concise statement. That kind of
19	gets right to, right to the points that you want
20	to make, whichthank you for being economical in
21	your statement. As for, when you turn to the last
22	page, about this interplay between the CCRUN and
23	the NPCC, saying that if CCRUN is planning
24	don't need NPCC to duplicate it, they can, you
25	know, pretty much tailor it to what we're looking

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 15
2	at here in New York City. That's basically what
3	you're saying, right?
4	ADAM FREED: You know, I think, and
5	we've done some research on how other cities
6	around the world deal with scientific projections,
7	and a number of cases, looking at London, that
8	they can rely on a nationally-funded UK set;
9	Tokyo, a lot of these are provided by the federal
10	government. As we see in the US, the federal
11	government is not in the climate change business,
12	per se. My hope would be that the CCRUN can
13	provide a lot of the scientific modeling, which is
14	what they're doing for the northeast region, from
15	Philadelphia to Boston and the cities in between.
16	But, I still very much support and believe we need
17	to have a specific panel advising the City that
18	can take the models that they're doing, vet them,
19	ensure that they meet the high standard that we've
20	had. If there are gaps in that knowledge, then we
21	can fill that. Again, have the NPCC servicewe
22	think the distinction is that they adopt
23	projections rather than develop them themselves.
24	CHAIRPERSON GENNARO: Right.
25	ADAM FREED: In 2009 they did the

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 16
2	modeling, theyyou know, we had grant funding to
3	do that.
4	CHAIRPERSON GENNARO: Right.
5	ADAM FREED: I think there's enough
6	of
7	CHAIRPERSON GENNARO: [Interposing]
8	They did everything is what you're saying.
9	ADAM FREED: They did everything.
10	I think there's a scientific infrastructure now
11	that they can adopt and vet rather than produce it
12	themselves.
13	CHAIRPERSON GENNARO: Sure.
14	That's, that sounds fine. If people want to save
15	us time and trouble, we're all for that. Now,
16	NPCC came out with their findings in 2010, did
17	that inform the work of some city taskforce?
18	Tell us the composition of that taskforce, and how
19	that exchange works. So, you have the NPCC. They
20	in 2008, they came out with their in 2010,
21	that led to this taskforce that you're talking
22	about, and then that got parlayed kind of into
23	what?
24	ADAM FREED: Sure. So, they day
25	after, actually, in 2008, that we launched the

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 17
2	NPCC, the Mayor convened and kicked off the New
3	York City Climate Change Adaptation Taskforce.
4	It's a taskforce of 41 city, state and federal
5	agencies and private sector companiesanyone who
б	operates, owns or regulates critical
7	infrastructure in the City. And we included our
8	natural resources and ecosystems as part of the
9	City's critical infrastructure. So, there are 12
10	city agencies on it, reflecting the fact that we
11	actually don't control a lot of our
12	infrastructure. 15 private companies, ranging
13	from Con Edison, Verizon and our
14	telecommunications, Army Corps of Engineers,
15	AmTrak, rail freight. And the taskforce used
16	the projections. And I think that's the role of
17	the NPCC is to provide the scientific information
18	that those people who own and operate and govern,
19	and make investment decisions related to our
20	infrastructure, our buildings, public health, can
21	leverage that scientific information. So, using
22	those projections at the building block to
23	identify what our potential risks could be to
24	climate change for critical infrastructure, and
25	then work together to develop coordinated

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 18
2	strategies to mitigate those risks. That was an
3	effort that went on for about two years. They
4	mayor recently reconvened the task force to try to
5	develop a quantitative assessment rather than a
6	qualitative assessment that was completed a year
7	or two ago. And they're working forward on that.
8	CHAIRPERSON GENNARO: All right.
9	So the taskforce is still in existence. And they
10	continue to get marching orders from the mayor on
11	what they should be doing. And you envision the
12	role of this newly constituted NPCC to continue to
13	funnel the information that they need to continue
14	their good work, right?
15	ADAM FREED: Everything that we
16	want to make sure is data driven based on the best
17	available and latest science, and that is the role
18	of the NPCC, to make sure if we see new trends
19	emerging, new models, shifting from a baseline of
20	sea level rise to rapid ice melt changes,
21	anticipated temperature impacts, that we can
22	incorporate those into our plan so that we're
23	planning from a common baseline.
24	CHAIRPERSON GENNARO: And and
25	the name of this taskforce is what?

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 19
2	ADAM FREED: New York City Climate
3	Change Adaptation Taskforce.
4	CHAIRPERSON GENNARO: I'm justand
5	the taskforce exists pursuant to an executive
6	order – – or what?
7	ADAM FREED: We I think it's
8	CHAIRPERSON GENNARO: [Interposing]
9	
10	ADAM FREED: Yeah, the Mayor's
11	Office. The Mayor convened it. And the mission
12	of it I hope will evolve and change over time as,
13	you know, adaptation and climate rezoning is
14	incorporated into planning, and it's not a
15	separate effort. So, the mission of it is to
16	identify the risks that we face in the critical
17	infrastructure, and to develop strategies to
18	reduce those risks. And I think the charge and
19	the composition of the task force will evolve over
20	time as we're able to implement it. And I'll
21	note, you asked what is the connection to the
22	implementation. And a number of projects, we've
23	already seen how climate change, sea level rise,
24	temperature increases, are being incorporated
25	intowhether it's raising the elevation of pumps

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 20
2	at some of our wastewater treatment plants,
3	putting in flood barriers in some of our plants,
4	elevating the entire Willets Point development
5	site out at the flood plane
6	CHAIRPERSON GENNARO: [Interposing]
7	Right.
8	ADAM FREED:60-acre site. All
9	that work is informed by projections produced by
10	the NPCC.
11	CHAIRPERSON GENNARO: So, the
12	question would be that we're taking the time and
13	trouble now, based on the findings and review, and
14	based on what you think the NPCC, so my
15	question is, would it make any sense to continue
16	to mandate that this taskforce also continue to -
17	- is that to do that? Because walking out
18	the door, you know, whatever, how many months, 18,
19	17, whatever it is.
20	ADAM FREED: 620 some-odd.
21	CHAIRPERSON GENNARO: Yeah. And
22	certainly, I mean, we already have it in law that
23	they have some long-term planning and
24	sustainability the NPCC. You know, you have
25	to kind of draw the line somewhere on like what

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 21
2	you're and what you're not, but if you're
3	going to do the NPCC and never put together -
4	- and, like, do the hand off to the taskforce, do
5	we need to take the extra step and make sure the
б	taskforce I mean, this is the question.
7	ADAM FREED: Yeah.
8	CHAIRPERSON GENNARO: I mean, if I
9	had thought about it, like, before this, maybe I
10	would have put it in the bill. It's not in the
11	bill now, so I guess the question to entertain is
12	whether or not that's something, you know, you all
13	think would be a good idea to do.
14	ADAM FREED: You know, I think
15	ensuring that we have the flexibility needed to
16	either create another taskforce or a different
17	effort and can evolve our efforts, we're
18	working and have a CDC grant to work outCenter
19	for Disease Controlimpacts of climate change on
20	public health, and that may result on certain
21	actions. I would hesitate to create an
22	institutional requirement for a taskforce that
23	could prevent that flexibility from shifting, the
24	composition of it shifting. Again, the hope is
25	that we don't need the taskforce to focus on this

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 22
2	because it's incorporated into the long term
3	planning that we're doing. When that occurs,
4	we're not sure, but
5	CHAIRPERSON GENNARO: [Interposing]
6	Right now there is a taskforce, and it makes a lot
7	of sense to have it, and people that are outside
8	of government that are on it. And these are the
9	people who are making decisions on, you know,
10	infrastructure and development I'm just
11	thinking, this is kind of to Council, that
12	perhaps there should be the, you know, some
13	reference to some kind of entity that should exist
14	to, like, receive this good work. You know
15	because we mandate it by law. And, you know,
16	they'll I'm sure at least figure out something,
17	some good and useful purpose to do with this. But
18	I think I like the taskforce notion that there
19	should be some kind of entity that is and
20	without tying the administration's hands or, like,
21	future administrations' hands, and we don't want
22	to get in the way of flexibility. I think it
23	should be at least in the bill or in I just
24	think it should be somewhere that if we're going
25	through the trouble to create this entity that's

2	going to be used that there should be really
3	some entity, you know, beyond just the City that
4	gets the ability to process this and use this.
5	And I think the taskforce concept is a good one.
6	But, you know. And there are some concerns that
7	we don't want to tie people up and, you know,
8	crimp their ability to be flexible, but I think
9	there should be something in there. I mean, we
10	can talk about that. And I just really appreciate
11	the recommendations that you put forward. Just
12	for the record, after our December hearing, I
13	think of our staff was in contact with you and
14	intent to follow up on our December hearing
15	with a bill that was very consistent with your
16	recommendations in PlaNYC, and we thank you for
17	your cooperation and I think it's just we need
18	to generally figure out how many things in PlaNYC
19	we may need to crystallize into law between now
20	and then, you know? And I think this is a good
21	example of this, and you know, we're grateful for
22	your cooperation today and in the, you know,
23	months and weeks leading up to today. And so, we
24	will take your recommendations to heart. We'll
25	work with you to come up with something we can

2	shake hands on. And, but I just think there has
3	to be something the taskforce. I think that
4	would just make sense to kind of whether in
5	the bill or the intent is to kind of recognize
6	the taskforce, that is just as much the recipient
7	of this as they the Office of Long Term Planning.
8	And so, yeah, thanks. Thanks. Appreciate that.
9	I'm going to recognize Council Member Koppell in a
10	moment. I also want to recognize Liz Crowley, who
11	was here, and Council Member Vallone who is
12	chairing a hearing next door for Public Safety,
13	and had to make an appearance there as well.
14	Council Member Lander was here as well. And with
15	that said, I recognize Council Member Koppell.
16	COUNCIL MEMBER KOPPELL: Thank you.
17	Just because I was confused by the comment you
18	made in your statement, you say here the current
19	bill broadens the scope of NPCC to include topics
20	that the panel is not constituted to address and
21	could divert the advisory panel's energy from
22	critical scientific issues that remain unresolved.
23	And I read the bill, it's a short bill, and I
24	don't see anything there that is irrelevant to the
25	mission of the agency as I understand it, or the

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 25
2	panel, and I don't know what their energy could be
3	diverted to. So, you just saying that doesn't
4	mean anything to me.
5	ADAM FREED: Sure. I think the two
6	main issues that raised concerns were looking at
7	the impacts on infrastructure and looking at the
8	impacts of the climate changes where the panel is
9	made up of academic scientists. It's not actually
10	on in-depth knowledge of the City's
11	infrastructure, which is very vast and complex,
12	with 90,000 miles of underground cables, 14
13	wastewater treatment plants from varying decades,
14	7,600 miles of sewer lines, about 800 combined
15	sewer and storm falls. So, looking at what
16	the impacts are on the infrastructure and
17	evaluating that is something that, which is why we
18	pulled together the infrastructure operators to
19	leverage the science to take those experts who
20	understand what the science and what those impacts
21	could be on our infrastructureDepartment of
22	Health, looking at and bringing in epidemiologists
23	to look at what is the impact on public health on
24	vulnerable populations from the climate
25	projections. The NPCC itself does not have that

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 26
2	expertise, that capability in the current
3	panelists who are on that. So, ensuring that we
4	can look at what are the scientific issues, what
5	are the climate models telling us, what are the
6	likely hazards that we face, rather than the
7	impacts that those hazards can bring onto the
8	city.
9	COUNCIL MEMBER KOPPELL: Well, if I
10	may, is somebody else doing the latter part?
11	ADAM FREED: That is the New York
12	City Climate Change Adaptation Taskforce, the 41
13	city, state, federal agencies, private companies,
14	that are actually taking the climate science,
15	leveraging that to look at what are the impacts.
16	They identified over 100 types of unique
17	infrastructure that could be impacted by climate
18	change. We're now doing the quantitative
19	assessment on that to measure the relative hazards
20	that we face. Then we have the Department of
21	Health that is running a three-year CDC funded
22	grant to come up with an assessment of the impacts
23	of climate change on public health, vulnerable
24	populations, and to develop strategies to reduce
25	those risks. So, you know, that's the

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 27
2	infrastructure we put in place, about 15
3	initiatives in PlaNYC to leverage the scientific
4	information to identify the risks and take steps
5	to reduce those.
6	COUNCIL MEMBER KOPPELL: Well, so
7	are you saying to me that this NPCC is only
8	looking at scientific models of what's going to
9	happen to the climate?
10	ADAM FREED: Correct.
11	COUNCIL MEMBER KOPPELL: Is that
12	what you're saying? That's all that it does?
13	ADAM FREED: That is what thein
14	2009 they issued Climate Risk Information, which
15	were the climate projections. They then worked
16	with us and the serve as an advisory role, so we
17	are looking at whether the relevant approach is to
18	develop a risk-based approach. We have some
19	people there on the risk management who helped
20	us think through the approach that we took. But
21	their strength, and I think the tremendous value
22	thatand the gap that we need filledis what is
23	the science, what is the information, how is that
24	changing. New models are continually coming out
25	about sea level rise, what's the relationship

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 28
2	between air and surface temperature, as we try to
3	mitigate urban heat island effect, which is a huge
4	variant in public health risks throughout the
5	city. So, having a scientific body that can
6	provide us with that information is absolutely
7	essential.
8	COUNCIL MEMBER KOPPELL: But
9	doesn't the latter part of your statement suggest
10	that some federal agency is doing that?
11	ADAM FREED: It is our hope the
12	federal agency may have funded a consortium of
13	academic scientists and others to develop some
14	information. Now, it's unclear what real
15	information will come out of it. So, our hope is
16	that through a national climate assessment,
17	through the CCRUN we'll get a lot of building
18	blocks that the NPCC can then adopt and vet and
19	use. We want to make sure we have our own body
20	and aren't reliant on other people. And if there
21	are gaps identified then we can work with them to
22	figure out how we fill those gaps and make sure
23	that it is vetted that there is a uniform
24	scientific body providing the City with the best
25	information and giving it a stamp of approval, so

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 29
2	that we have everyone working off of a common
3	benchmark.
4	COUNCIL MEMBER KOPPELL: And the
5	taskforce, how many people on the taskforce?
6	ADAM FREED: There are 41
7	organizations and entities.
8	COUNCIL MEMBER KOPPELL: It sounds
9	kind of unwieldy to me.
10	ADAM FREED: We've found it not
11	unwieldy. We break it down into groups around the
12	different sectors that we face in the city,
13	telecommunications, transportation, energy. We
14	have some of us that are looking at waterfront
15	areas, and our water supply system and drinking
16	water, and our natural resources. So, it has not
17	proven to be unwieldy.
18	COUNCIL MEMBER KOPPELL: Mr.
19	Chairman, if I might interrupt you for a moment.
20	CHAIRPERSON GENNARO: Sure.
21	COUNCIL MEMBER KOPPELL: I think
22	this is, this doesn't really make too much sense,
23	if I may say so. I don't have a problem with
24	there being a group that would validate other
25	information, but I don't think there's too much

point in sort of duplicating the work which other 2 agencies, which may have more resources, can do, 3 4 if it's being done. I think the important work 5 that a New York City panel can do is what is assigned in the discussions now to this taskforce, 6 not the NPCC. Because they're essentially, I mean 7 you can have a group that will try to validate the 8 9 information, but we know that there are national -and private--academic institutions - -that provide 10 11 us information. I mean, if we just have a panel 12 that validates information that I believe is 13 mostly generated or can mostly be generated 14 without spending city money, it is of marginal 15 significance. What is important is to study what 16 the city should be doing in light of that 17 information. That's the really important task. 18 So we have it a little upside down here in my 19 opinion. The important work should be done by--20 and by the way, I don't say that the group that I 21 see as being important should not also look at the 22 issues that, you know, that this narrow group that you sort of are defining should look at. 23 That can 24 be part of their task. But I think, Mr. Chairman, as I read the bill, the bill properly broadens the 25

assessment, and quite contrary to what the 2 spokesperson, Mr. Freed, is saying, quite contrary 3 to what he's saying, I think that that's the 4 5 important work. He says the current bill broadens the scope to include topics that the panel is not 6 7 constituted to address and could divert the 8 advisory panel's energy from critical scientific 9 issues that remain unresolved. I think the 10 panel's energy and efforts should be addressed at 11 precisely those other issues, which by the way is 12 encompassed in your bill description. And yeah, 13 they can also look at the scientific information 14 available and make some assessment of it, but the 15 City of New York is not well-suited to be the 16 leader of the study of overall climate change. That really should be done on a broader basis. 17 18 This panel should not be constituted to duplicate 19 that work, is what they would be doing. 20 CHAIRPERSON GENNARO: And I'm just 21 going to jump in here. And I think that 22 definitely Mr. Freed had said at the outset of the 23 statement that in - - when this was put together 24 that - - infrastructure - - you know, national 25 scientific - - to kind of deal with that, and now

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 32
2	there is. So call upon those folks to redo
3	that, maybe give them sort of like more of a
4	validation and not to repeat it and reinvent the
5	wheel. And notwithstanding the fact that Mr.
6	Freed made a statement, doesn't like the broadened
7	scope of the new panel, and I've been challenging
8	him; that doesn't mean I fully agree with him.
9	And I think that's certainly a really good
10	discussion to have. But I do continue to believe
11	that the that's been struck, whichthe panel,
12	which you know, to get kind of colloquial, is like
13	the and the taskforce, who are like the
14	implementers and the people who, you know, do
15	things on the ground in the real worldnot to say
16	that the academic world isn't real, but I think
17	this paradigm where you have like the doers,
18	is a good one, and I think to strike the right
19	balance of responsibilities, which is I think
20	your point certainly makes sense. I think my
21	point of making reference, you know, to a
22	taskforce in the bill or the intent certainly
23	makes sense, because want to make sure that we
24	have a handoff to the doers. So that's sort
25	of my colloquial take on that. And I mean, you

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 33
2	know, certainly we should be fully apprised of all
3	of the doing as we take this the tracks.
4	COUNCIL MEMBER KOPPELL: Well, in
5	fact you do right now in the bill. The taskforce
6	is mentioned in the bill. So, I think you've done
7	a very nice job with the bill. I wouldn't change
8	it at all.
9	CHAIRPERSON GENNARO: The focus is
10	I feel yeah. And so.
11	COUNCIL MEMBER KOPPELL: To put a
12	panel together to study climate change is sort of
13	a general issue. I don't think it'sit's
14	probably not necessary and that certainly
15	shouldn't be the only focus. The focus should be
16	on what is the city doing in response, what are
17	the options that the City has, at the very least.
18	CHAIRPERSON GENNARO: And I think
19	I'll let Mr. Freed speak to that
20	ADAM FREED: Thank you, Mr.
21	Chairman. I agree that the scope of what is in
22	the bill is very much what we should be doing and
23	what we are doing. My comment is, is that having
24	everything done by a New York City Panel on
25	Climate Change, that could become unwieldy, and

there are multiple efforts that are underway. 2 Ι had mentioned the Department of Health is looking 3 at the vulnerable populations, the impact climate 4 5 change will have on public health. I believe by the end of the year we'll have a taskforce that's 6 7 convening of all of the infrastructure operators, 8 will have a scientific panel. It is our hope that 9 CCRUN and the National Climate Assessment provide us with a lot of the information we need, that may 10 11 not be the case. And certainly to make sure that 12 we have the - - projection, there is some work 13 that may need to be done, and have that then procured and then vetted, and have that third 14 15 party validator and verifier, which is very much 16 in line with the best practices of earth science. 17 I think that is why, it's a multi-faceted 18 component in terms of reporting on and ensuring 19 that there is a transparent process to it, and 20 that there is someone who is evaluating that is 21 very much the goal and I think intent behind the 22 law that requires every Mayor to have an update to 23 the long term sustainability plan once every four 24 years, an annual progress report that documents 25 the actions that are going on. We spent a lot of

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 35
2	time looking and putting together the 13
3	initiatives in PlaNYC thatand having a goal
4	about increasing the city's resilience to climate
5	risks, and in our progress report detail each of
6	the steps in that. And again, there is also
7	issues with incorporating it into the city's
8	hazard mitigation plan, which is going to be begun
9	next year through the Office of Emergency
10	Management, including climate change as a risk for
11	that for the first time. So, I think our
12	responses are incredibly multi-faceted and broad,
13	because it involves a lot of different agencies, a
14	lot of different activities under the PlaNYC
15	umbrella. Each of these entities has a critical
16	role, the NPCC being the scientific role. But the
17	broad scope that's in the bill I just think
18	applies to many different parties, not just the
19	panel.
20	COUNCIL MEMBER KOPPELL: My
21	response to that is that all of that is true, and
22	maybe this isn't the group that pulls all that
23	together, but somebody ought to pull it all
24	together, and this seems to me to be at least the

25 logical group to pull it all together.

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 36
2	ADAM FREED: And then the
3	Office of Long Term Planning
4	COUNCIL MEMBER KOPPELL:
5	[Interposing] To pull all together the efforts
6	specifically related to climate change. There are
7	other issues, environmental issues that are
8	involved, but if you have one group that says
9	they're looking just at climate change, they
10	should not only be looking at the scientific
11	knowledge on what's happening, but also how the
12	city is responding. That's what the bill says.
13	I'm not makingI think the bill should remain
14	just the way it is.
15	ADAM FREED: I would argue that's
16	the charge of the Mayor's Office of Long Term
17	Planning and Sustainability, to look at the issue
18	to ensure that we have a coordinated response to
19	it and to be transparent and accountable and
20	reporting to it.
21	COUNCIL MEMBER KOPPELL: But that
22	office has a broader function, not just climate
23	change. This deals with just the issue of climate
24	change; it impacts other things too, but if you
25	have one group that's responsible for looking at
1	COMMITTEE ON ENVIRONMENTAL PROTECTION 37
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2	climate change, I think you want them to do more
3	than just validating other information that comes
4	from different academic studies and national-based
5	studies. Anyway. That's Mr. Chairman.
б	CHAIRPERSON GENNARO: I just want
7	to give people afolks, like, how blessed a life
8	I lead, right? So, I put the bill forward, and
9	you know, you've got your perspectives and I've
10	got the former Attorney General sort of, like,
11	advocating for me. I don't see any former
12	Attorney General next to you, you know? So, I'm
13	thinking kind of like, like a knife to a
14	gunfight, you know what I mean? And so what can I
15	tell you? And so, when he shows up next time
16	with, I guess, Robert Abrams, then, you know,
17	we'll know
18	ADAM FREED: [Interposing]
19	CHAIRPERSON GENNARO: pile it
20	on. I think I'd put, you know, two former
21	Attorney Generals up against Oliver any day. And
22	I think I would do well in that. So, thank you
23	Oliver. I just went right according to plan,
24	so that was great. That was great.
25	COUNCIL MEMBER KOPPELL: That was

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 38
2	great.
3	CHAIRPERSON GENNARO: and we're
4	also joined by Council Member Levin, and thanks to
5	you for being here today. And with that said,
6	Adam, thank you very much for your testimony and
7	for the partnership. Next time you come, we'd
8	like to know what you're going to do. All right?
9	Okay, very good. Okay. And I'll call the next
10	panel. We have Paul Gallay from Riverkeeper.
11	Thanks for being here, Paul. Catherine McVay
12	Hughes, from Board 1 in Manhattan. And it's my
13	understanding that Catherine McVay Hughes at our
14	last hearing I think you stated that you didn't
15	get a chance to testify earlier, and we're trying
16	to make it up a little bit. I understand you have
17	a time commitment. Thank you for having an
18	ongoing interest in the of this Committee. We
19	certainly appreciate you being here. I'm sorry we
20	couldn't get you on last time in a timely way, but
21	we're kind of making it up today. So great.
22	And Buck Moorehead that will be on this panel.
23	
24	[pause]
25	CHAIRPERSON GENNARO: And just to

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 39
2	let the next panel know that they're on deck, we
3	have Sabrina Terry from Uprose, and two
4	representatives of the Metropolitan Waterfront
5	Alliance, Kara Matthews, Courtney We don't
6	know if there's two separate statements from the
7	MWA.
8	KARA MATTHEWS: There's not
9	CHAIRPERSON GENNARO: Oh, okay.
10	All right, next panel, but we have the panel
11	before us that the Counsel will swear in the
12	witnesses okay? Okay, you know what you're
13	getting. Okay. Just, good luck.
14	SAMARA SWANSTON: All right. Would
15	you please raise your right hands? Do you swear
16	or affirm to tell the truth, the whole truth, and
17	nothing but the truth today?
18	UNISON: Yes, I do.
19	CHAIRPERSON GENNARO: Thank you.
20	Thank you all for being here. And hear the
21	statements in the order that I called the names.
22	We'll start with Paul and we'll work from the left
23	to my right, and hopefully I have statements from
24	folks if they have written statements. And does
25	anyone on this panel have a written statement that

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 40
2	was circulated?
3	SABRINA TERRY: I submitted it.
4	CHAIRPERSON GENNARO: Okay. All
5	right. We've got from and Paul and Buck,
6	you're just going to okay. So, thank you.
7	Thank you all for coming, and for the purposes of
8	Paul's statement, I can take my glasses off. All
9	right? So, I'll just listen. So, it's a pleasure
10	to see you, Paul.
11	PAUL GALLAY: It's a pleasure to
12	see you too, Mr. Chairman. And I myself never
13	made it above Assistant Attorney General, but was
14	please to sort of make it the best I can do.
15	I'm proud to be President of Riverkeeper.
16	CHAIRPERSON GENNARO: Hear, hear.
17	You took the line right out of my mouth. I was
18	going to say, yeah. You've found something
19	terrific. And the great job that you do there and
20	in the DEC major motion picture, you know?
21	So, please.
22	PAUL GALLAY: Yeah, Ishtar, maybe.
23	Riverkeeper is a membership organization that has
24	been in existence for 46 years and our job is to
25	protect the quality of the Hudson River and its

tributaries, and also to help safeguard the 2 drinking water supply for New York City and the 3 4 downstate region. And I appreciate the 5 opportunity to speak in support of the Intro. I'm going to talk briefly about the extent of risk 6 7 that you are addressing, talk a little bit about 8 some of the responses to date, and potential 9 responses, and we'll talk about the benefit of the 10 panel as you envision it. There are good reliable 11 scientific studies that show that we may be 12 looking at as much as 55 inches of sea level rise 13 between now and 2080, and the main source for 14 that, the main source for many of the things that 15 I say, is going to be the New York State Taskforce 16 on Sea Level Rise, whose report was released at 17 the very end of the Patterson administration on December 31, 2010. Not only do you have the 18 19 problem of seal level rise, you have the problems 20 associated with storm surges, extreme weather 21 events, that would work synergistically -- a storm --22 with sea level rise to cause damage to both 23 infrastructure and to vulnerable communities. You 24 have the issues associated with temperature 25 increase, changes in precipitation patterns. All

2	of these things are going to be a real toxic boom
3	when it comes to maintaining the quality of life
4	and protecting the infrastructure and protecting
5	our vulnerable communities, protecting us all for
6	that matter. I think the risk is self-evident.
7	But in the different categories of infrastructure
8	that I urge you to consider should this intro
9	succeed, of course sewage treatmentmore about
10	that in a moment, we are a water group, after all.
11	Storm water management, fuel storage, energy
12	generation, communications, transportation, and
13	solid waste management. Now, the strategies that
14	would allow you to respond to this extraordinary
15	risk, are also, it's not something loud and
16	clear, clean white slate about. The Sea Level
17	Rise Taskforce has 14 recommendations, a number of
18	those recommendations worth taking note ofI'll
19	get into some of those in a moment and we can talk
20	a little bit more about response. But long story
21	short, given the extent of the risk, the 570 miles
22	of coastline, the numbers of combined sewer
23	overflow and storm water outflows, the recreation
24	facilities that would be endangered by climate
25	change, and the fact that we have millions of

people really qualify as vulnerable citizens, 2 indicate that we really have got to go all in on 3 4 adaptation response. And I'm going to restrict my 5 comments to adaptation, because this is what this panel is about. Lord knows there's lots we could 6 say about what we're not doing in this country and 7 what we're trying to do in this city on negation 8 9 and avoidance, but we're here to talk about 10 adaptation, which is a damned good thing, 11 considering the limited effort being made 12 nationally and how we can only do so much in New 13 York City on mitigation. Now, the benefits of a 14 panel such as you are envisioning with this intro 15 are extraordinary. And so many of them come down 16 to the value of a strategy that will not just 17 harness the best scientific minds, the mind - -18 community, the resource institutions, the Mayor's 19 Office of Long Term Sustainability and Planning, 20 all of these entities have a hugely important 21 I mean, you're drivers, and we elected you role. 22 all and elected the Mayor and his people to drive 23 and to lead. But the communities, the vulnerable 24 communities, if they are not part of the 25 equations, it's going to be a little bit like the

sound of one hand clapping. You're not going to 2 get the results you need in terms of adaptation if 3 you don't have the communities as much in the mix 4 5 as you do the great men and women who are running things from the top down. So, this panel can be a 6 7 clearinghouse for information, making sure that 8 every community board--I'm not going to talk about 9 community boards; I'll leave that to you, Cathy. The different districts that you all represent in 10 11 the Council, the different local organizations--I 12 mean, just to give you an idea of how many groups 13 there are working in the different districts on climate--how many of you knew that there is a 14 15 Sustainable Flatbush Organization? How many of 16 you knew that there's a White Roof Project? Ι 17 mean, it's great that we're all playing jazz and 18 we're all playing our own music, but we need a 19 clearing house that brings the energy of what's 20 going on in Flatbush to Melrose, to - - you've got 21 to have coordination. When it comes right down to 22 it, this is the central point of my testimony. 23 You need the grassroots, the community-based 24 organizations, the people who have the 25 relationships and the power to make change at

street level and at shoreline level, working just 2 as hard as the Mayor's Office of Long Term 3 4 Planning and Sustainability. I can't say much 5 more, anything much more important than that. Best practices, I think you can play a role in 6 helping to harness best practices. I'm proud to 7 8 say that one of my board members, Paul Zofnass, 9 has worked with a group of professors and students 10 at Harvard University to come up with something 11 called the Zofnass Program for Sustainable 12 Infrastructure, which is literally a program to 13 bring - - to infrastructure projects so that we 14 are making sure that they are sustainable much the 15 same as we like to try to make sure that our 16 buildings are sustainable. It's really a great 17 initiative, and again, we've got to be effective 18 and efficient in bringing together all of these 19 different groups. So, if you're going to play 20 jazz, at least let's be a combo on it. So, I'm 21 going to end immediately, because there's lots of 22 folks who want to talk today, and I don't have 23 much more to say. And I'll just try to make this 24 little stump speech. This is New York City. We 25 lead, which is a good thing, because given the

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 46
2	extent of the risk to our infrastructure and to
3	our vulnerable communities, we'd better lead.
4	Thank you very much.
5	CHAIRPERSON GENNARO: Thank you.
6	Thank you very much, Paul, for being here and also
7	for your statement and any questions or
8	comments for Cathy and for the panel in its
9	entirety. So, thank you sir. We'll get back to
10	you in one moment. And Cathy, please.
11	CATHERINE MCVAY HUGHES: Good
12	afternoon, Chairperson Gennaro. My name is Cathy
13	McVay Hughes. I'm Vice-Chair of Community Board
14	1, and I'm here to testify on behalf of Community
15	Board 1 regarding climate change. I would say
16	based on your description, Community Board 1 is
17	one of those vulnerable populations, considering
18	we're bounded by the Hudson River on the west and
19	the East River on the east side. I'm proud to
20	report that at last night's full board meeting,
21	Community Board 1 unanimously voted to support
22	your intro number 3834, which is a Local Law to
23	amend the New York City Charter in relation to
24	convening the New York City Panel on Climate
25	Change regularly for the purpose of producing a

report on climate change adaptation. New York 2 City CB1 supports additional research in the area 3 4 of climate change, as it has in the past. I'll qo 5 into one such infrastructure project. ON January 25th, 2012, CB1 passed a resolution that the Army 6 7 Corp. of Engineers to expeditiously conduct a 8 study about the feasibility of installing storm 9 surge barriers to protect New York City. This resolution was a result of a series of meetings 10 11 and reports dating back to 2008. In 2008, Mayor 12 Bloomberg convened the New York City Panel on 13 Climate Change, NPCC, composed of leading scientists, social scientists, academics and risk 14 15 management experts to advise the City on climate change. The NPCC projects that by mid-century, 16 17 New York City's average temperature will rise by 18 three to five degrees Fahrenheit and sea levels 19 could rise by more than two feet, which would 20 cover a lot of Community Board 1. By the end of 21 the century, the City's climate may be similar to 22 North Carolina than present day New York City, and 23 sea levels could rise by as much as four and a 24 half feet. On December 16th, 2011, David Bragdon, 25 Chairperson of the New York City Long-Term

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 48
2	Planning and Sustainability Office, state at a New
3	York City Council Oversight Hearing of the
4	Environmental Protection Committee, that his
5	agency would commence a study of storm surge
6	barriers. According to Douglas Hill, a consulting
7	engineer and adjunct lecturer for the School of
8	Marine Atmospheric Sciences at Stony Brook
9	University, relative sea level has been rising
10	inexorably in New York City over the past 140
11	years, at an average rate of .27 meters or 10.7
12	inches, due to both geological subsidence and the
13	warming trend in the 20th century. There is
14	little doubt that New York City will be exposed to
15	major coastal flooding within the next several
16	decades, as sea level rises and storms may become
17	more frequent and severe. The flooding caused by
18	such a surge, which happened in the 19th century,
19	could be calamitous in particular to those living
20	within several blocks of the Hudson River. That's
21	us right here. According to one hurricane expert,
22	one who participated in the drafting of a
23	significant US Army Corp. of Engineers study of
24	storms and evacuation of New York City, a Category
25	3 hurricane could cause 30-foot storm surges,

flood hundreds of miles of the city's coast and 2 force evacuation of over 2.5 million residents. 3 The Federal Transit Administration has stated that 4 5 the combined economic and physical damage losses from subway tunnel flooding under a 100-year storm 6 surge were estimated at \$48 billion at current sea 7 levels, and \$84 billion with four feet of sea 8 9 level rise, assuming a linear recover and an 10 estimate subway outage time of three to four 11 weeks. Direct physical damage alone was estimated 12 at \$10 billion for the former, and \$16 billion for 13 the latter. Given all this data and research, it 14 seems that a prudent response would be a 15 comprehensive study of storm surge barriers to 16 prevent New York City from being flooded. Storm 17 surge barriers have been built in London and 18 Rotterdam, and are being built in Venice to 19 protect those cities, and could be protective of 20 New York City. Community board 1 calls upon New 21 York City Council to support our request that the 22 Army Corp. of Engineers conduct a study about the 23 feasibility of installing storm surge barriers, 24 and that this study include consideration of 25 environmental and ecological impact of storm surge

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 50
2	barriers. The City should not only rely on
3	evacuation and remediation activities at the time
4	of a weather-related disaster, but should
5	seriously evaluate what should be done ahead of a
6	disaster that might reduce or eliminate the
7	effects of a weather calamity. Again,
8	complete support in your panel. Thank you very
9	much.
10	CHAIRPERSON GENNARO: Thank you
11	very much for your strong support for what we're
12	trying to do here. And also for just being the
13	personification of what Paul is trying to get
14	across, about how people at the grassroots have
15	such a stake. And no one makes the case better
16	than actual stakeholders themselves. And thank
17	you for that. And I'll have something to say
18	about your statement, but we're going to hear from
19	Buck. Buck, good to see you.
20	BUCK MOOREHEAD: Good to see you.
21	CHAIRPERSON GENNARO: Okay.
22	BUCK MOOREHEAD: Good to see you
23	again.
24	CHAIRPERSON GENNARO: got to
25	make sure that'show's that?

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 51
2	BUCK MOOREHEAD: Good to see you
3	again. That's better?
4	CHAIRPERSON GENNARO: Yes.
5	BUCK MOOREHEAD: Yes. Buck
6	Moorehead. I will say, I'm representing Building
7	Consensus for Sustainability today. And I didn't
8	actually write that down, and I didn't think it
9	clearly, because I've been here so many times
10	whether but, I want to talkI full support
11	this hearing and the efforts of the Committee to
12	actually institutionalize something about this
13	climate change bill, or what's established now.
14	And I was listening and was actually informed by
15	the discussion earlier. And what I would suggest-
16	-and my discussion is going to be fully about the
17	process, because I think that ultimately what the
18	City Council's value added here, which would be
19	enormous, would be to institutionalize a process
20	to follow moving forward. The question came up
21	about the respective roles and the kind of
22	ambiguity, and I and I haven't been following
23	this particularly closely, I have to admit, but
24	when I read the bill I wasn't sure quite who was
25	doing what. And I think there's tremendous room

for this science-based, you know, obviously 2 understanding science has to be there. 3 There had 4 to be a panel initially that did that, now there's 5 a movement toward using information that's 6 developed; but having a panel that exists that 7 actually vets that information, I think has value for New York City. It wouldn't be a big 8 9 investment, but it would kind of take other -gather information and vet it. That's clear. 10 But 11 that could be established, that could be clarified 12 effectively in the bill that you're writing. But 13 the more important--I think that this discussion, and you brought it up, this idea of dealing with 14 15 the taskforce itself. This climate change is--no 16 one knows what's going to happen, we just know 17 it's going to happen. It's happening now. It's 18 going to happen. This reference to plausible 19 future, that is, you know, that there be agreement 20 reached around plausible futures is really 21 critical. Reaching agreement around plausible 22 futures by the right stakeholders is really 23 crucial to Paul's point and to Community Boards. 24 Not necessarily top down, but bottom up and - -25 it's very complex to do that. And the fact that

there's a taskforce that has 41 members, I'm not 2 surprised at all. It could have been 100, because 3 4 this is--climate change, you have impacts that are 5 crossing borders. New York City doesn't control--6 New York City can't do anything that would need to happen by itself to mitigate or to adapt to what 7 8 the impacts are going to be. And so, it's correct 9 that there is a taskforce that is federal, state, 10 you know, whatever. It should be as inconclusive 11 as possible with the right people there, but they 12 should also include Community Board 1 should be a 13 part of that taskforce, or some representation across the board. So, I think that, again, what 14 I'm saying is it's not simple at all. It should 15 16 be happening perpetually, this taskforce, and tying back intimately, whether it's three or four 17 18 years, five years, based on science, checking in 19 to what those plausible future are, because the 20 plausible futures will change based on the 21 science. So that's why we check back on the 22 science. But right now there are plausible 23 futures that people can act on. But the key thing 24 in this from a process standpoint is that no one 25 can forecast what's going to happen. And you're

not going to get agreement about what the exact 2 future is, so you agree on plausible futures, 3 maybe three or four--I don't know what the 4 5 taskforce is doing, but three or four plausible 6 futures. Then you reach agreement among 7 stakeholders about actions that address as many of 8 those futures as possible. Because you want to 9 get agreement about what to do--what do we do, not 10 what it's going to be, what do we do now. And 11 those decisions take years to implement sometimes. 12 So, we can't have a group, you know, we can't have 13 a group that's meeting every five years that's 14 doing that, or even two years. That's kind of an 15 ongoing thing. And we can't have communities that 16 are kind of in the dark about what a taskforce is 17 doing either. Now that has to be a very open, 18 transparent, inclusive taskforce. I'm sure Ms. 19 Swanston over there can craft a couple paragraphs 20 - - but I'm saying that that would be of enormous 21 value, would be a--institutionalize a process. Ι think you're correct. The taskforce should be 22 23 there front and center, because they are--that's 24 what really matters, that the City is - - but is 25 obligated to convene a taskforce, and don't tell

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 55
2	them who to pull in, because that will happen on
3	its own, or even how frequently. Anyway, I'll
4	end my comment there.
5	CHAIRPERSON GENNARO: Thank you,
6	Buck. It's always a pleasure to have you with us.
7	And usually it's, you're but is tough to
8	find someplace else.
9	BUCK MOOREHEAD: Albany.
10	CHAIRPERSON GENNARO: Albany. So,
11	I thank for all of her efforts and the many
12	things that she does. So, I'm going to start with
13	you and work backwards. Yes, so it makes sense to
14	have as many things set in stone, at least some
15	kind of template. And I think to some degree that
16	we were kind of spoiled by the Bloomberg
17	administration, because they take this various
18	seriously and came up with PlaNYC and then came up
19	with the Office of Long Term Planning and
20	Sustainability. And that's great. But, you know,
21	but we have to think about future administrations
22	and then, you know, not tell them in any kind of
23	overly prescriptive way how to do things, but
24	I'm also getting to your point about you know,
25	bringing in the community, when we did with PlaNYC

as most people in this room know, when the 2 Bloomberg Administration did PlaNYC and I was part 3 of the initiative and - - by the Committee, and 4 5 there is all kinds of outreach in the local community, and you probably participated in - -6 7 and I think that was a glorious way to do it and I 8 think it reaped rewards, but again this is the way 9 the Bloomberg Administration does things, which is 10 great, but so you have to--we want to make sure 11 that we keep that template going forward. So, I 12 think it's--right now it's to make sure that we absolutely get our point across - - by putting 13 forward, you know, we want this done the way the 14 15 Bloomberg Administration did it. You know? And I 16 think there's a way to do that without tying 17 peoples' hands and being really overly 18 prescriptive and just making sure that everyone has a seat at the table. And I think that's your 19 20 point, you know. And so, we're going to, you 21 know, work to craft that so that we are, you know, 22 true to that spirit. And thank you. And for 23 Catherine, you did really good discussion, you 24 know, regarding the barriers and all the things 25 that could be constructed. And the way to really,

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 57
2	you know, do that is to, you know, work with all
3	the stakeholders. And, you know, the that
4	this stuff is just like so much money and who is
5	going to pay for it and it's going to be hard
6	to, you know, come up with the money that we need
7	for all these good things so much of our
8	federal leadership regards climate change as kind
9	of analogous to sort of flat earth people, or
10	whatever. And this is the, this is just what
11	we're dealing with. Please.
12	CATHERINE McVAY HUGHES: Right.
13	So, you'll probably recall last August in 2011,
14	before the ten-year anniversary not only was there
15	the earthquake in New York City, but we also had,
16	we were about half an inch at Battery Park from
17	flooding, and so it's a real issue. And so, what
18	we're urging is a study.
19	CHAIRPERSON GENNARO: Right.
20	CATHERINE MCVAY HUGHES: To
21	determine the feasibility of the storm barriers.
22	And if all these other great cities have done it
23	CHAIRPERSON GENNARO: [Interposing]
24	Oh, sure. And by no way am I trying to
25	CATHERINE MCVAY HUGHES:

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 58
2	[Interposing] We spent rebuilding lower
3	Manhattan.
4	CHAIRPERSON GENNARO: Believe me,
5	I'm not, you know, trying to pour cold water on
6	the need to, you know, bring good information
7	forward and, you know, make people take a look.
8	And the best way to ultimately, you know, the
9	only thing you can, in your power, to make your
10	point. And I think that's what you're trying to
11	say. And but it justI don't want to be
12	pessimistic, but you know that there's this whole
13	notion of some people who just will not see,
14	notwithstanding anything that gets brought
15	forward, but that's, you know, a bigger
16	discussion. And certainly better to light a
17	candle than curse the darkness. And
18	CATHERINE MCVAY HUGHES:
19	[Interposing] And we were one of the neighborhoods
20	that were also evacuated due to the hurricane in
21	August
22	CHAIRPERSON GENNARO: Right. And
23	so, and I will direct staff to take a look at
24	the are you sure
25	CATHERINE McVAY HUGHES: Yes, we

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 59
2	passed a resolution on January 24th in 2012. So,
3	I can get you that resolution.
4	CHAIRPERSON GENNARO: Sure.
5	CATHERINE MCVAY HUGHES: It's also
6	on our website, yes.
7	CHAIRPERSON GENNARO: Okay, if you
8	can get it to staff
9	CATHERINE MCVAY HUGHES:
10	[Interposing] Definitely.
11	CHAIRPERSON GENNARO: Or staff can
12	talk to Catherine, and then we'll find out whether
13	it's going to be as the Chair of this
14	Committee or the Committee, or the Council as a
15	body, that we should do something towe should -
16	- what's his I don't know if you can use that
17	should send a letter to Colonel and just
18	give him the work to do. He's a very able guy
19	and
20	CATHERINE McVAY HUGHES: And I also
21	want to reiterate, last August we were evacuated
22	because, you know, it could have been a lot worse,
23	because, you know, I remember going to emergency
24	preparedness meetings, and if the eye had hit
25	Atlantic City like they thought, at high tide, it

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 60
2	would have been terrible. It would have been
3	terrible.
4	CHAIRPERSON GENNARO: It's
5	certainly good to be lucky, but better to be
6	prepared.
7	CATHERINE MCVAY HUGHES: We were
8	lucky.
9	CHAIRPERSON GENNARO: But be
10	lucky every time, and people couldn't be lucky
11	every time, and I don't think casinos would be
12	making any money, right, if people were lucky all
13	the time. And so, thank Catherine. We'll follow
14	up on this, on the resolution to go to the Army
15	Corp.
16	CATHERINE MCVAY HUGHES: Thank you.
17	CHAIRPERSON GENNARO: Certainly.
18	And, with regard, Paul, to the gospel of
19	grassroots, yeah, I mean this was how PlaNYC came
20	together, and I think this how our response to
21	climate change also has to come together, and you
22	know, figure out how to balance out the grassroots
23	of whether that's more of like a taskforce thing
24	or like a panel thing, you know. I'm thinking
25	perhaps more and more with Buck, that it's really

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 61
2	like the taskforce, you know, that is kind of on
3	the ground, you know, making sure people are kind
4	of like and whereas the panel is almost like
5	a, sort of like a more high level sort of
6	agency kind of thing. And I think the taskforce
7	is like whether, whether about like what we're
8	actually going to do and who we're going to
9	evolve. Do you see it that way?
10	PAUL GALLAY: I think the panel can
11	be brainwaves or it can be any other waves, but
12	the long and short is, as you pointed out, there's
13	not a lot of enthusiasm for spending money about
14	anything these days.
15	CHAIRPERSON GENNARO: Right.
16	PAUL GALLAY: For obvious reasons.
17	In my experience, people will spend money for
18	things that they feel they have some ownership of,
19	that they're brainwaves have become somehow
20	meaningfully involved in, and that if you want to
21	get money to deal with climate change adaptation,
22	have your panel have some sort of meaningful
23	liaison with enough people who are in communities
24	who can tell one another about successes and give
25	them a sense of opportunity, not just a sense of

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 62
2	danger. It's a little bit like, and this is maybe
3	a bad metaphor for a climate change discussion,
4	but you know, there's an iceberg and you see
5	what's above the waterline, and there's more going
6	on below the waterline. So, just make sure you
7	have an effective process of having a two-way flow
8	of information, because otherwise people are just
9	going to say, you know, that's what they're doing
10	in downtown Manhattan, that's not
11	CHAIRPERSON GENNARO: [Interposing]
12	No, I got you.
13	PAUL GALLAY:something that I
14	really want to put my shoulder to.
15	CHAIRPERSON GENNARO: Right, right.
16	CATHERINE McVAY HUGHES: Yeah.
17	CHAIRPERSON GENNARO: Catherine?
18	CATHERINE McVAY HUGHES: Community-
19	based participation
20	BUCK MOOREHEAD: If I could just
21	add to that also, I think that the panel would in
22	the best circumstance be a member of the
23	taskforce. They would be part of it. They would
24	be, it wouldn't be that every person has to be
25	there at every meeting, but the panel is

22

represented on the taskforce, that way they're 2 part of--as Paul said, people are hearing what 3 4 that panel is doing, and what they need, and maybe 5 they need to do research or whatever. We're a piece of it, you know, - - kind of level, frankly. 6 7 They're they science component of it, but there's 8 going to be people on the taskforce who are coming 9 from all levels of responsibility and influence, and it's all kind of an interconnected web. 10 11 PAUL GALLAY: There's a science of 12 public engagement too. It's a softer science, but you know, I have seen so many taskforce reports 13 14 and so many panels that only existed in the ether 15 of - - and I think you need as much talent on the 16 science of bringing the public into this as you 17 possibly can get. Because when we at Riverkeeper 18 started bringing the public into our water quality 19 sampling initiatives and started to get different 20 tributaries of the Hudson, volunteer sampling, 21 that's when the government started spending money

infrastructure. Same thing with the New York City
Green Infrastructure Plan. The Swim Coalition,
which is 80 or 90 groups, drove that plan as much

in different towns on the water quality

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 64
2	as the great men and women at the Mayor's Office
3	and the DEP. You know, \$2.4 billion for green
4	infrastructure sounds like a lot until you realize
5	it's over 20 years. We've got to keep pressing on
6	issues like this, and we need the grassroots
7	support to do it.
8	CHAIRPERSON GENNARO: Thank you,
9	Paul. And this will be the last Catherine.
10	CATHERINE McVAY HUGHES: We also
11	have the Harbor School on Governors Island.
12	CHAIRPERSON GENNARO: I'm all over
13	the Harbor School.
14	CATHERINE MCVAY HUGHES: So, which
15	has students from all over the City and state.
16	CHAIRPERSON GENNARO: Sure, sure.
17	CATHERINE McVAY HUGHES: Harness
18	their
19	CHAIRPERSON GENNARO: I've been
20	people I represent in the 24th District in Central
21	Queens are a lot of my capital money that I
22	can allocate as an individual Council Member, I -
23	- finding its way to Governors Island and I take
24	care of the schools in my District but, personally
25	the money I can allocate as a member, a lot of

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 65
2	that money has found its way to the Harbor School,
3	and it's in everyone's interest that that school
4	succeeds. And one of these days I'll actually go
5	there. It's on my list. My money has made it
6	there but… And do a great job. And Paul,
7	if you can get us the information on what the
8	for infrastructure or whatever, I wouldI don't
9	know if that's something that's on, I mean there's
10	lots of infrastructure, everyone from DEP down
11	to whomever. And I need more of that and I would
12	like more of it
13	[crosstalk]
14	PAUL GALLAY:end of the week.
15	CHAIRPERSON GENNARO: Okay, great.
16	And you know, you know how to get to the people on
17	my team. So, I want to thank this panel for a
18	great presentation and really thank you all for
19	taking the time to be here and okay?
20	CATHERINE McVAY HUGHES: Thank you
21	very much.
22	CHAIRPERSON GENNARO: Sure, sure.
23	[pause]
24	CHAIRPERSON GENNARO: Okay. And we
25	are going to bring up, what is going to be the

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 66
2	last panel. We have two people from MWA, whether
3	it's Kara or Courtney, whoever wants to come
4	forward to present testimony, that would be great.
5	Ms. Terry from Uprose. Catherine Skopic, it looks
6	like. Catherine Skopic
7	CATHERINE SKOPIC:
8	CHAIRPERSON GENNARO: Oh, pardon
9	me, okay. And Robert Trentlyon. I don't think
10	I'm saying your name right. I'm sorry.
11	ROBERT TRENTLYON: Trentlyon.
12	CHAIRPERSON GENNARO: Oh, it's a Y.
13	ROBERT TRENTLYON: Close enough.
14	CHAIRPERSON GENNARO: Robert
15	Trentlyon, please come forward. And if the
16	Sergeants can make provisions to seat all the
17	witnesses is Yeah, I'm directing the Sergeants
18	to make those provisions. If people could kind of
19	just skootch over a little bit. You know? Is
20	that a real word, skootch? I mean, it's used a
21	lot. I mean, it is now. It doesn't work for
22	Scrabble? Okay. I'm going to turn off the
23	microphone so none of this will be on the record.
24	[pause]
25	CHAIRPERSON GENNARO: Okay. This

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 67
2	looks like it's going to be a great panel. We
3	certainly appreciate you all being here. Counsel
4	for the Committee, Samara, will swear everybody
5	in.
6	SAMARA SWANSTON: Would you please
7	raise your right hands? Do you swear or affirm to
8	tell the truth, the whole truth, and nothing but
9	the truth today?
10	VOICES: [off mic]
11	CHAIRPERSON GENNARO: Thank you.
12	Thank you all for being here, and from my left
13	and to my right. And we'll start with the
14	representative from Metropolitan Waterfront
15	Alliance. It's either going to be Courtney or
16	Kara, right?
17	KARA MATTHEWS: Yes. I'm Kara
18	Matthews from Metropolitan Waterfront Alliance.
19	I'm actually reading Courtney's testimony, she had
20	this morning, so.
21	CHAIRPERSON GENNARO: Okay.
22	KARA MATTHEWS: I'm just subbing.
23	MWA is a coalition of over 640 businesses,
24	community and recreational groups.
25	CHAIRPERSON GENNARO: Okay, sure.

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 68
2	Please, continue. I thought that you hadn't said
3	your name for the record, but you did. So, it was
4	my mistake. So, please continue.
5	KARA MATTHEWS: Okay. 640
6	businesses, community and recreational groups,
7	educational institutions, and other stakeholders
8	committed to transforming the New York and New
9	Jersey Harbor and its waterways to make them
10	cleaner and more accessible, a vibrant place to
11	play, learn and work, with great parks, great
12	jobs, and great transportation for all. MWA
13	comments New York City for its progressive
14	leadership in addressing climate change impacts on
15	the City. New York City is recognized nationwide
16	for its climate change assessments, mitigation
17	strategies and adaptation strategies. We support
18	the proposed amendments to Local Law 22, and look
19	forward to working with the city on this and more
20	of the city's climate change work. MWA and many
21	of its partners have a unique perspective on
22	climate change adaptation that we believe should
23	be reflected in the proposed amendments. The New
24	York City waterfront is particularly vulnerable to
25	impacts from climate change, be it the frequency

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 69
2	and intensity of storms, sea level rise, or local
3	flooding due to storm surges. Therefore, we
4	propose additional language regarding the New York
5	City waterfront and other edits to the proposed
6	amendments. The New York City waterfront
7	management advisory board was newly reinstated as
8	of last year, and has begun to meet twice per year
9	to review the progress on the City's
10	implementation of the New York City Comprehensive
11	Waterfront Plan. Goal 8 of the plan, identify and
12	pursue strategies to increase the City's
13	resilience to climate change and sea level rise,
14	describes the challenges facing the city's
15	waterfront. This includes impacts to parks,
16	esplanades, piers, beaches, boat launches,
17	residential and commercial buildings, the working
18	waterfront, and industrial areas of the
19	waterfront, and impacts on our transportation
20	systems from storm surges and flooding from
21	climate change and sea level rise. For these
22	reasons, MWA recommends including in the New York
23	City Panel on Climate Change, representatives of
24	waterfront related NGOs and one to two
25	representatives of the New York City Waterfront

Management Advisory Board. MWA also recommends 2 that in subsection 4, the following language is 3 included to ensure plans such as the New York City 4 5 Comprehensive Waterfront Plan, that include 6 climate change sections are included in the assessment of plans, giving new findings and 7 8 climate change predictions. Adaptation plan 9 assessment, analysis and assessment of the New 10 York City Climate Change Adaptation Taskforces or 11 any other applicable department or office, active 12 or adopted adaptation plans, or section of the 13 plans that address climate change impacts, in 14 light of the panel's current findings and 15 predictions on climate change, data, and impacts. 16 In order to make sure the panel is effective and 17 responsive to a changing environment, MWA 18 recommends the panel meet at least once every 19 year, as opposed to the once every two years that 20 was proposed in the original amendment. Manv 21 successful climate change working groups around 22 the country meet as frequently as bimonthly. In addition, we propose the addition to the word 23 24 Waterfront, to section 2, to charge the panel with 25 the task of analyzing specific threats to the

City's waterfront, and developing an adaptation 2 strategy to mitigate these risks as part of the 3 4 report produced by the panel. MWA's general 5 recommendations include more specific information about metrics for climate change indicators. 6 MWA recommends that before determining climate risk 7 factors and infrastructure impacts, policymakers 8 9 must first look at climate change scenarios. For 10 this reason, we suggest swapping section 3.4 with 11 section 3.5. Analyzing and assessing climate 12 change scenarios will give decision-makers the 13 background to determine focus areas for mitigation 14 and adaptation strategies. The analysis for 15 determining climate risk factors and 16 infrastructure impacts should assess the physical, 17 economic and social vulnerability under varying 18 climate scenarios. The proposed amendments did 19 state the panel will meet to develop tools to 20 assist in implementing procedures, actions, and 21 programs to address current and future impacts on 22 vulnerable citizens. In order for this to be 23 effective, a method of communication between the 24 panel and vulnerable citizens must be established. 25 In order to accomplish this, we are proposing the

following addition to the section 3 of the 2 amendment. The panel should develop a community 3 or borough-level communications strategy in order 4 5 to ensure the public is informed about the findings of the panel. As part of this strategy, 6 the panel should aim to create a brief high-level 7 version of the report that can be distributed to 8 9 city residents, particularly those who have been deemed vulnerable citizens, in order to educate 10 11 them about potential risks and the adaptation 12 measures that can be taken to mitigate those 13 risks. To ensure the effectiveness of communication measures, it will be essential to 14 15 gage the current level of knowledge and opinions 16 on climate change, and how it will affect New York 17 City as well as the willingness of residents to 18 learn about climate change in order to take 19 action. It will be essential for the panel to 20 take advantage of existing modes of communication 21 or through public forums. Some existing modes of 22 communication include the City's website, 23 newsletters, community boards, and through 24 community-based organizations to gather this 25 information and to distribute educational
1	COMMITTEE ON ENVIRONMENTAL PROTECTION 73
2	information. Including information on climate
3	risks, storm vulnerabilities and emergency
4	evacuation procedures can also be effectively
5	communicated through inclusion on tax bills, signs
6	on public transit and at events. MWA welcomes New
7	York City to participate in City of Water Day, on
8	July 14th, 2012, by providing climate change
9	adaptation resources and information at a booth or
10	a table. This event attracts over 20,000
11	residents in New York City. MWA's 2012 Waterfront
12	Conference will be held on may 18th, 2012, and
13	will include a panel devoted to the topic of
14	climate change adaptation. The panel will address
15	the ways we can move forward as a region in the
16	implementation of the New York State, New York
17	City and New Jersey Municipal Climate Change
18	Adaptation strategies. Implementation of any
19	climate change adaptation strategy will involve
20	many levels of political, jurisdictional planning,
21	and financial complexity that we are only
22	beginning to address. MWA looks forward to
23	increasing the level of dialog about these issues
24	and working with its government partners and
25	alliance partners to work for progress in climate

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 74
2	change adaptation planning and implementation.
3	Thank you for the opportunity to testify today.
4	CHAIRPERSON GENNARO: Thank you.
5	Again, thank you for being so specific about your
6	recommendations with actually text prepared. That
7	is most welcome when it's put in that format; we
8	certainly do appreciate that. And questions
9	or comments for everyone on the panel. So, thank
10	you. Thank you very much. And Ms. Terry, right?
11	SABRINA TERRY: Yes.
12	CHAIRPERSON GENNARO: And
13	SABRINA TERRY: Yes, I am.
14	CHAIRPERSON GENNARO: grab a
15	copy of your statement.
16	SABRINA TERRY: Great.
17	CHAIRPERSON GENNARO: Okay. I'm
18	ready.
19	SABRINA TERRY: Great, so.
20	CHAIRPERSON GENNARO: Just state
21	your name for the record and proceed.
22	SABRINA TERRY: Sabrina Terry.
23	Environmental Justice Planner for Uprose. So,
24	good afternoon and thank you for the opportunity
25	to testify before you today. My name is Sabrina

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 75
2	Terry, and I am the policy analyst for the
3	Environmental Justice Planner, Uprose, Brooklyn's
4	oldest Latino community-based organization. We
5	are a multi-cultural, multi-racial environmental
б	justice organization that builds
7	intergenerational, indigenous leadership,
8	mobilizes Sunset Park community residents on
9	issues of sustainable and just development, and
10	promotes governmental accountability and
11	participatory community planning practices.
12	Sunset Park is a waterfront community, located in
13	Brooklyn Community Board 7. It is home to 127,000
14	residents, most of whom are immigrants from the
15	Spanish-speaking Caribbean, Mexico, China, and the
16	Middle East. And Sunset Park is one of the six
17	significant maritime industrial areas designated
18	by the New York City Department of City Planning.
19	This designation attests to the fact that Sunset
20	Park harbors significantly more industries within
21	its boundaries than surrounding neighborhoods,
22	industries that pose numerous health threats to
23	the residents of the neighborhoods. Our working
24	class community of color also has a 90% risk of
25	storm surges within the next 10 years that will

cover a significant portion of the neighborhood, 2 according to data that was provided by the Office 3 4 of Emergency Management. Uprose is an active 5 member of the New York City Environmental Justice Alliance, a coalition of grassroots organizations 6 that advocate for improved environmental 7 conditions and against inequitable environmental 8 9 burdens by influencing City and State policies. We are also an active member of the Environmental 10 11 Justice Leadership Forum on Climate Change, that 12 advocates for climate justice policies that 13 recognizes and addresses the burden placed on 14 communities of color and low-income communities by 15 the rapidly changing climate. We applaud the City 16 Council's initiative to amend the City Charter for 17 the purpose of strengthening the NYC Panel on 18 Climate Change and producing a report that could assist communities such as Sunset Park. We are 19 20 concerned, however, that preliminary outline of 21 the amendments do not explicitly include the 22 following. One, communities with inequitable 23 environmental burdens, or also known as 24 Environmental Justice Communities, included in the criteria or definition of vulnerable citizens. 25

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 77
2	Low-income communities of color are often more at
3	risk because they live in geographically
4	susceptible areas in close proximity to noxious
5	facilities, which become public health threats in
6	the context of extreme weather. The definition of
7	vulnerable must take into account communities
8	whose circumstances will require additional
9	support. The second point we have has beenI'm
10	going to echo a lot of what was said on the
11	previous panel, which is a community-based
12	research model that aims to strengthen and
13	coordinate capacity on a local level, a
14	participatory model will ensure that local
15	knowledge is leveraged while simultaneously
16	educating the community on their unique
17	susceptibilities. This will also produce
18	resolutions that are crafted in a manner that fit
19	the unique culture and urban fabric of each
20	community. Lastly, a more inclusive model could
21	help encourage communities to leverage their own
22	resources, thus becoming more self-sufficient and
23	resilient. So, we are expressing these concerns
24	based on our intimate experiences fighting for
25	climate justice in Sunset Park as well as the

25

2 these additions that we have raised about the 3 proposed amendments, and to sincerely address them 4 5 so that the charter revision, excuse me, will truly accomplish their intent. In conclusion, we 6 7 support the proposed amendment, as it will help to ensure a safer and more resilient city. Please 8 9 count on our resources, knowledge, and skills to 10 achieve shared goals. Thank you. 11 CHAIRPERSON GENNARO: Thank you, 12 Ms. Terry. And I thank Uprose for all the work 13 that they're doing - - it's been a pleasure to 14 have you before the committee many times. And 15 these are two very concrete recommendations that 16 you've asked me to address and asked me to be 17 sincere when I address them. And I will be 18 sincere when I address them. I think sincerity is 19 a good thing, so, thank you for asking me that. A 20 pleasure to have you here. And Ms. Skopic, right? 21 Ms. Skopic? 22 CATHERINE SKOPIC: Yes. My name is 23 Catherine Skopic. 24 CHAIRPERSON GENNARO: Oh, Skopic.

CATHERINE SKOPIC: Yes.

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 79
2	CHAIRPERSON GENNARO: Pardon me.
3	CATHERINE SKOPIC: That's okay.
4	CHAIRPERSON GENNARO: A C at the
5	end, okay. And I have your comments before me.
6	Okay, thank you. Please proceed.
7	CATHERINE SKOPIC: I'm Chair of the
8	Environmental task force of the Congregation of -
9	- within the Cathedral Church of St. John the
10	Divine, and as such, I'm one of the eight founding
11	members of The New New York, which a new group
12	that focuses on renewable energy education. And
13	I'm also Anglican Consultative Council
14	Representative to the United Nations. So, I have
15	a prepared statement. I have a few statements,
16	responses to what's been said, but are not within
17	my statement.
18	CHAIRPERSON GENNARO: it's a
19	pleasure.
20	CATHERINE SKOPIC: Okay. Thank you
21	for this opportunity to speak with you this
22	afternoon about the importance of this local law
23	to amend the New York City Charter, in relation to
24	governing the New York City Panel on Climate
25	Change regularly for the purpose of producing a

report on climate change adaptation in New York 2 City. Congratulations to Samara Swanston, James 3 Gennaro, of the Committee on Environmental 4 5 Protection, and the Council Members who have worked on this important law, as well as Samara's 6 assistants. And to Mayor Bloomberg, who in so 7 many ways has contributed to the improvement of 8 9 our City's environment. If you were to refer to the 2002 Oxford American College Dictionary, which 10 11 some of us may have done, you would find that the 12 Holocene, that began about 10,000 years ago, is a 13 geological epoch relating to the present, and is 14 the second epoch in the Quaternary period after 15 the Pleistocene. However, referring to the 16 Holocene as the present epoch is inaccurate. As 17 most of you probably know, global scientists have 18 updated this information, because for the first 19 time in history, human activity has altered the 20 planet. We have entered a new epoch. We are now 21 in the Anthropocene epoch, anthro referring to 22 Things are moving quickly. My name is human. 23 Catherine Skopic, as I've said, and I'm an 24 educator, artist, and environmentalist. I've been 25 with the United Nations as a member of Civil

2	Society, engaged in the on-going process of
3	preparing for Rio+20 taking place this year. This
4	is the 20th anniversary of the first earth summit
5	in Rio de Janeiro in 1992. I would like to take
6	with me a commitment from the City in regards to
7	its climate when I go. During one of the reports
8	we heard from the global scientific conference at
9	the UN, there was a report that stated that we
10	have nine planetary boundaries that we've
11	identified at this global scientific conference
12	that took place a couple months ago. And three of
13	the nine are either near or at the tipping point,
14	and those three planetary boundaries that are in
15	greatest danger are: one, climate change; two,
16	bio-diversity; and three, the nitrogen cycle. In
17	light of this, this new law being proposed today
18	is right on target, as they say, in addressing the
19	climate challenges we face here in the city.
20	Before the start of the industrial age, carbon
21	dioxide content in the atmosphere was 280 parts
22	per million, that's ppm. We are now way above
23	that. In fact, there's even a website where you
24	can find out the exact carbon dioxide at the
25	moment, and that's www.CO2now.org, if you're

interested. Looking there you would find that in 2 March of 2010, we were at 391.8. The next year, 3 4 in March 2011, we were at 392.40. And this year 5 March it was 394.45. So, if you were to chart this data of the CO_2 level, parts per million, from 6 the time record have been kept, you'll see we're 7 8 on a steadily increasing curve, and that you would 9 know that this is causing havoc for all of earth's 10 The hottest summers have occurred within systems. 11 the last three decades. We've just had one of the 12 warmest, driest winters on record. I've lived in 13 New York City since 1968, and this past fall, for 14 the first time, we experienced an evacuation--that 15 has been already referred to--for parts of the 16 City due to the oncoming storm and expected 17 flooding. Most of this one bypassed us, but there 18 will be more storms in the future. In fact, James 19 Hanson, one of our top scientists and a former 20 NASA scientists wrote a book published in 2009, 21 Storms of My Grandchildren--The Truth about the 22 Coming Climate Catastrophe and Our Last Chance to Save Humanity. James identified, has identified 23 24 350 parts per million as the level we must get back down to for our survival. And James Hanson 25

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 83
2	and Bill McKibben are working together on this.
3	You may have heard of Bill McKibben's 350.org,
4	involving efforts to accomplish CO_2 reduction in
5	over 180 countries around the world. So, at this
6	moment I just want to take a moment from my script
7	to say, responding to Adam's remarks, I do agree
8	with Kara and Courtney, who wrote that, that why
9	wait two years? I think it would be helpful to
10	have an interim report every year and then a major
11	report every year. So, I would go for, so if I
12	were to change it to in any direction as
13	opposed to what Adam said, four. And also as to
14	the makeup of the Committee, there's no reason why
15	a member of the task force could not be a member
16	of this group, bringing with them all of their
17	current scientific information. So, that would be
18	in addition to all the grassroots contributions
19	that are being made, so that you have both the
20	scientific and the local. And I do believe it's
21	important to change the Charter, because as
22	wonderful as Mayor Bloomberg is in so many ways,
23	there will be other mayors down the road. And if
24	we've actually changed the Charter, we would be
25	more likely to have this report coming on a

regular basis, so I do think this is essential 2 that we pass this legislation. Anecdotally, I 3 4 just want to say that I live in this area, and I'm 5 often walking along the river, let's say from Chambers up to Houston St., and during high tide 6 when there is a storm, it is not uncommon to see 7 8 water washing up on - - I've seen it several 9 times. So, we have to take these things into 10 consideration. Okay. And just as humans have 11 impacted the planet in negatives, humans can 12 impact the planet in positive ways. We can work 13 to adapt to, mitigate, and prepare for results of 14 past behavior that cannot be changed at this 15 point, and work to change the things that can be, 16 for ourselves, future generations, and the very 17 planet itself. And this piece of legislation does 18 just that, helps us to prepare for and to adapt to 19 the changes already set in motion, and in so doing 20 makes us ever more mindful of our present 21 behaviors, their effect on our earth, and the need 22 to change our ways. For starts, we can move to 23 renewable energy sources in as big a way as 24 possible. And for here at this point, I'd like to 25 put in a plug for the North Atlantic Offshore Wind

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 85
2	Project. I just came back from a conference and I
3	got a lot of information about that, and I found
4	that because of our electricity service and how it
5	works into the and so forth, we'd be very
6	prime for receiving energy from this project.
7	Again, in closing, congratulations Samara
8	Swanston, James Gennaro, the Committee on
9	Environmental Protection, and Council Members, for
10	your foresight and service to the citizens of New
11	York and the world, for this brilliant and much-
12	needed piece of legislation. Thank you.
13	CHAIRPERSON GENNARO: Thank you.
14	Thank you, Ms. Skopic for and like I told you
15	earlier, witnesses, please stay and after the
16	final witness may have comments for anybody -
17	- I've got your statement and before about the
18	ability toabout admitting it to the record. I
19	believe the testimony of Professor Bowman, is that
20	right?
21	ROBERT TRENTLYON: That's right.
22	CHAIRPERSON GENNARO: I'd be
23	honored if you could do that, his remarks are very
24	concise and very apt, and I would really
25	appreciate if you would do that. But certainly

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 86
2	with your statement, I need you to state your name
3	for the record, and then you can proceed.
4	ROBERT TRENTLYON: Do you want me
5	to read his first?
б	CHAIRPERSON GENNARO: No, yours
7	first. You know, you go first.
8	ROBERT TRENTLYON: Thank you, Mr.
9	Chairman. I'm really surprised that everyone is
10	here this morning, and Greenwich Village en masse
11	is going to a 10:00 a.m. meeting at the American
12	Indian Museum to stop NYU's expansion plans. And
13	everyone else is filling buses to Albany to lobby
14	against fracking. I am here to testify, but I'm
15	not sure whether I should be testifying for or
16	against this plan. I certainly like the idea of
17	including representation from the vulnerable
18	public. I don't think of myself as one of the
19	vulnerable but I am aware that if a major
20	hurricane hits New York City, they are the ones
21	who will be most affected, and based on what
22	happened in New Orleans, they are the ones most
23	likely to die. Did the last ad hoc NPCC report
24	mention the number of deaths that could occur?
25	Loss of life is definitely a risk factor. I want

to state that the NPCC report does provide a very 2 important services in describing the pace of 3 climate change, but if it does not do a better job 4 5 dealing with calamities, it can descend upon a good portion of New York City residents, it is 6 really worth institutionalizing the report? 7 The many risk factors, loss of life, loss of 8 9 residences, loss of jobs due to the impossibility 10 of getting to work, the impact of the greatest 11 city in the world coming to a standstill for weeks 12 or months because of no working transit system 13 should be a paramount concern of the NPCC. 14 Certainly most people in this room realize that 15 I'm an advocate for a study of storm surge 16 barriers, and I am appreciative that both Long Term Planning and city Planning will commence the 17 18 study of storm surge barriers in June, but unless 19 NPCC, which presently has no interest in storm 20 surge barriers and has not adequately addressed 21 risk factors, makes a major change, I would have 22 to be against institutionalizing an NPCC report 23 every two years. I realize that the theory of 24 resilience is very popular in governmental circles 25 at this time. In Douglas Hill's editorial, which

I am sure many of those in this room have read, he 2 enumerates what risk factors were not covered in 3 4 the last NPCC report. I should first point out to 5 the committee though Doug now lives in Huntington, he was born in the Bronx, and received his BA and 6 7 his PHD in engineering from CCNY. The five risk 8 factors that have been ignored according to the 9 American Society of Engineers are: Keep safety at the forefront of public priorities, quantify the 10 11 risks, communicate the risks to the public and 12 decide how much risk is acceptable, rethink the 13 whole system, including land use and place safety 14 first. I think part of the problem is that no 15 engineers participated in the last NPCC document. 16 In trust that if this legislation is passed, they 17 will participate in both the discussions and in 18 the writing of the next report. I'm just a 19 concerned layman who has been reading some of the 20 literature in the field and talking to many of the 21 experts. I personally think that it's been proven 22 that storm surge barriers work. Not only in 23 Nearby Stamford, New Bedford and Providence, but 24 also around the world. Secondly, no one is 25 leveling with members of the public about the

degree of danger that they are in, and thirdly, 2 much of the land use policy the city has ignored 3 4 the dangers of future sea level rises by 5 continuing development in areas at sea level. In believe that the City Council is the body of 6 7 government which is closest to the citizens of New 8 York City, and is first to reflect their concerns. 9 That is why I am sure that the Council will take steps to make sure that NPCC will be more 10 11 inclusive in what it publishes in the future, 12 giving equal weight to the risk factors. I've 13 spent much time talking to members of the public, 14 and they don't have a clue about what impact 15 global warming will have on them. They are aware of sea rises in the future, but they are not aware 16 17 of the danger they face personally, or the damage 18 their property could sustain. Most of their 19 assets are in their home. The MOMA show last year 20 gave an impression of how the city would cope with 21 the storm surges. I think it was quite 22 imaginative, but I would hardly say that it was an adequate solution. To those who say storm surge 23 24 barriers won't work in the long run, I would 25 probably agree, but if they give New York City 100

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 90
2	to 200 years of safety, I think the public would
3	agree that it would be the expense. The
4	approximate \$10 billion planning and construction
5	cost is very cheap compared to insurance
6	companies' estimate that a Katrina-like storm
7	would cause \$200 billion in damage to property and
8	in work time lost. Barriers at The Narrows,
9	Arthur Kill and Throgs Neck could protect much of
10	New York City. Another plan that would consist of
11	a barrier from the Rockaways to Sandy Hook and
12	Throgs Neck would be of equal cost with the first
13	plan. I believe both plans will be studied by the
14	Office of Long Term Planning and Sustainability,
15	in conjunction with City Planning's Waterfront
16	Department. New York City's storm surge barriers
17	could be planned and built within 10 years, four
18	years for planning, six years for construction.
19	The new barriers in New Orleans took only five
20	years, and they were much more extensive. The
21	reason it has taken 30 years to build most storm
22	surge barriers is that much of the time is spent
23	getting the public and government to agree to
24	them. Unfortunately, both often have to be shown
25	by experiencing a major hurricane. What a waste

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 91
2	of time, resources, and lives. Bob Yaro of RPA
3	told me it usually takes two hurricanes; after the
4	first one people are lulled into thinking that it
5	won't happen again. It takes the second one to
6	convince them. I certainly hope we can learn from
7	other cities' hesitancy. Everyone is talking
8	about spending money on infrastructure, setting up
9	infrastructure banks. There would be no better
10	infrastructure project in this century than storm
11	surge barriers that would protect our beloved
12	city. That's the
13	CHAIRPERSON GENNARO: [Interposing]
14	Thank you, yes.
15	ROBERT TRENTLYON:first.
16	CHAIRPERSON GENNARO: That's your
17	statement, and then if you'd just go right into
18	Professor Bowman's, which is quite short.
19	ROBERT TRENTLYON: This is the
20	statement by Malcolm Bowman, School of Marine and
21	Atmospheric Sciences, Stony Brook University. He
22	also happens to be the Chair of the Department.
23	I'm now speaking as Malcolm Bowman. My name is
24	Malcolm Bowman, and I am Professor of Physical
25	Oceanography and Distinguished Service Professor

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 92
2	at the State University of New York at Stony
3	Brook. I am an expert on the tides, circulates,
4	waves, sediment transport and flushing
5	characteristics of the bays, estuaries, rivers,
6	inland seas, and coastal oceans surrounding
7	Metropolitan New York, Long Island, and the New
8	York Bight. My research is focused on storm surge
9	prediction, extreme waves and tsunami, rising sea
10	levels and other climate change issues. I was
11	appointed by Mayor Michael Bloomberg to serve on
12	the New York City Panel on Climate Change,
13	established in 2008. The panel met for one year,
14	culminating in the 2010 report, "Climate Change
15	Adaptation in New York City: Building a Risk
16	Management Response." I was responsible for
17	contributing to the projections of the magnitude
18	and rate of regional climate change. Thank you
19	for reading into the record this testimony on the
20	proposal to amend the New York City Constitution
21	in relation to reconvening the New York City Panel
22	on Climate Change for the purpose of producing a
23	regular series of reports on climate change issues

that are relevant to the future security and

survival of New York City. I support the proposal

25

2	to institutionalize the Panel. There is a
3	continuing and urgent need to evaluate the latest
4	science, environmental issues, economic threats,
5	infrastructure protection, societal concerns and
6	engineering solutions, centered around climate
7	change in all its manifestations. These concerns
8	and proposed solutions must be brought to the
9	attention of the City Council and the Mayor's
10	Office of Sustainability and Long Term Planning by
11	leading climate science, engineering and policy
12	experts on a regular basis. However, in my
13	opinion, the Panel needs to include wider
14	representation from various professional groups
15	and agencies than hitherto fore, it needs to meet
16	at least annually, and it needs to present a bi-
17	annual report to the Council. I recommend that
18	the proposed Panel be reconstituted to include
19	representatives, beyond those already suggested,
20	from the New York Academy of Sciences, the
21	Metropolitan Transport Authority, the Port
22	Authority of New York and New Jersey, The Nature
23	Conservancy, the Metropolitan Section of the
24	American Society of Civil Engineers, New York
25	State Society of Professional Engineers, and the

US Army Corps of Engineers (observer status). 2 Many or most of the proposed mitigation measures 3 to protect the city against the twin threats of 4 5 rising sea level and storm surges will eventually involve major excavation, beach nourishment and 6 engineering works of a regional nature. Future 7 8 Panel agendas must include feasibility and 9 cost/benefit studies of storm surge barriers, which may be found to be the most cost effective 10 11 long-term solution for protecting the hundreds of 12 miles of shoreline of Metro New York for the 13 foreseeable future. Such analysis were glaringly 14 absent from the 2010 report. I also recommend 15 that the Chair of the Panel be elected from within 16 its members, and that the Chair rotate every two 17 years to ensure the widest selection and 18 evaluation of all relevant issues. Finally, many 19 lessons can be learned from the experience of our 20 European counterparts, particularly the U.K., 21 Netherlands, Italy, and the Russian Federation as 22 they move forward in protecting their major cities 23 from the imminent threats of rising sea level, 24 storm surges, and other manifestations of climate 25 change. Respectfully submitted, Stony Brook, NY,

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 95
2	25th of April.
3	CHAIRPERSON GENNARO: Thank you.
4	ROBERT TRENTLYON: I hope you tell
5	Malcolm Bowman that I read his speech better than
6	my own.
7	CHAIRPERSON GENNARO: may know
8	that Stony Brook is my Alma Mater, both for under
9	graduate and graduate, and institution of
10	higher learning, I was happy to have that read
11	into the record, and certainly it reinforces your
12	point, Robert, about the barriers being part of
13	the thinking that we go through when we talk about
14	climate change adaptation. And if I have anything
15	to say about it, and I think I do a little bit,
16	I'm going to make sure that every, you know,
17	possible good idea is put on the table, even
18	though it may be hard to get some kind of
19	consensus on, and may be even harder to fund. And
20	so, I want to thank you for your very invaluable
21	contribution to the hearing here today, and for
22	your patience in waiting to give us your
23	testimony. And Ms. Skopic, thank you for
24	informing me, as a trained geologist
25	CATHERINE SKOPIC: Anthropocene.

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 96
2	CHAIRPERSON GENNARO: The
3	Anthropocene epoch. When I woke up this morning I
4	thought I was living in the Holocene. You know
5	what I mean? And so… It just goes to show you
6	what I don't know. And so I guess I have to go
7	back to Stony Brook and get an update on geology
8	timetables. So, thank you for that.
9	CATHERINE SKOPIC: If I could make
10	just a brief comment.
11	CHAIRPERSON GENNARO: Brief, yes.
12	CATHERINE SKOPIC: Okay.
13	CHAIRPERSON GENNARO: Because I'm
14	running out of time.
15	CATHERINE SKOPIC: In addition to
16	the mitigation, everything that's written, it
17	would be interesting to see a component that works
18	on educating to prevent the kinds of behaviors
19	that lead to this situation. As an educator it's
20	very important to connect up with educational
21	groups who are doing it, but to have some kind of
22	recognition that part of the mitigation is
23	educating for the future.
24	CHAIRPERSON GENNARO: Certainly.
25	And I think New York City has done, you know, more

than its part in, first of all, putting forward 2 our sort of groundbreaking Local Law 22, which is 3 4 going to reduce greenhouse gases 30%, and all the 5 education that we do in so many realms. And now we are really a beacon to other cities on the way 6 to environmental sustainability. I think that we 7 8 certainly can always do more, but - - this hearing 9 is more about it's coming and, you know, how to deal with it than - - stopping it. You know, 10 11 we're not, and so we're going to do that. That 12 was kind of delightful music that we just heard, a 13 better ring - - iPhone issues. The James Bond 14 theme is that music, my ringtone. - - And thank 15 you for the website that you put forth, the 16 CO2now, the data, and all of those things that you 17 - - we do hope that you are still in touch with 18 your good friend Samara, who was mentioned several 19 times in your statement. And so you're like part 20 of the family now. You're in. You're in. - -21 And Ms. Terry, I want to acknowledge the good work 22 of Uprose, and we certainly do appreciate the wonderful perspective that you and others EJ 23 24 community certainly bring forward, with the real 25 hope that you will stay part of this process as we

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 98
2	move forward. And two points that you make
3	here in your statement, which we will duly
4	consider, and we thank you for taking the time to
5	bring this forward today. And the MWA, if I ever
6	do a course on testimony that presented
7	before this committee, I think this would be
8	exhibit A. You make the case, you have the
9	language, this is what we want to see, this is why
10	we want to see it, this is how we want to say it,
11	this is why we think this should be expressed
12	within the bill. And so if we have a little
13	course for people to take before they come and
14	testify before this Committee so, I thank you.
15	And also, the references of City of Water Day and
16	conference coming up on May 18th, I will, we will
17	make a note to staff that if I'm able to
18	participate and able attend, I would like
19	staff to check up with the MWA regarding that.
20	And then, just so, and close connection.
21	And just MWA, right,
22	KARA MATTHEWS: He's not.
23	CHAIRPERSON GENNARO: He's not.
24	Okay, you have to talk into the microphone, sorry.
25	KARA MATTHEWS: No, he used to be

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 99
2	the program director, but now
3	CHAIRPERSON GENNARO: Okay. Oh,
4	yes. He was program director back when the MWA
5	gave me my big environmental award that I got.
6	That was probably a couple of years ago. And
7	I've Hey, Tish. Okay, we're and I think
8	that's really the only award I've ever gotten.
9	Yeah, imagine that I'm kidding. But I
10	certainly remember that, and I thank the MWA for
11	all the great waterfront work. And also the
12	program or whatever it was, is very it was
13	just a good time, it was just like a big time.
14	Sometimes you go to these awards things and
15	they're all so very stuffy and everything, and
16	this was just on the water, it was a great time,
17	and it
18	KARA MATTHEWS: [Interposing] You
19	got a boat parade?
20	CHAIRPERSON GENNARO: Pardon?
21	KARA MATTHEWS: You got a boat
22	parade?
23	CHAIRPERSON GENNARO: A parade?
24	KARA MATTHEWS: Oh, it was too many
25	years ago. But yeah, we have like a boat parade

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 100
2	at our event.
3	CHAIRPERSON GENNARO: Oh, I just
4	got aI got a life preserver. I got a life
5	preserver that I actually do use, because I'm a
6	boat owner. And so yeah, it'sso rather than
7	hanging on walls, it's in a boat. So.
8	KARA MATTHEWS: That's great.
9	CHAIRPERSON GENNARO: It comes in
10	very handy, and my daughter likes to float on it
11	as well and so. It has my award kind of
12	written on it and thenanyway Wonderful
13	panel and you've brought forth so many great
14	perspectives. And I thought this was going to be
15	like a little crazy hearing, but this is something
16	that the administration wants and something that I
17	do want to, and, you know but it is we do
18	want to get this right, and you know, we certainly
19	have the commitment of the Bloomberg
20	Administration, and work very well with them.
21	Office Office Oh, they did? Okay.
22	And so, no they do, and we will work with them
23	and all of you to fashion a bill that does
24	everything it needs to do and needs to be, and I
25	want here today. And, you know, with that

1	COMMITTEE ON ENVIRONMENTAL PROTECTION 101
2	said, I'm going to adjourn the hearing. And we're
3	out of time, because there is another hearing that
4	is going to commence here in five minutes. So,
5	this is perfect timing. And I want to thank you
6	all, and with that said, this hearing is
7	adjourned.

CERTIFICATE

I, Erika Swyler, certify that the foregoing transcript is a true and accurate record of the proceedings. I further certify that I am not related to any of the parties to this action by blood or marriage, and that I am in no way interested in the outcome of this matter.

the lot

Signature

Date _____5/10/2012_____