Appendix L
Comments Received on the DEIS
GOVERNOR'S OFFICE OF STORM RECOVERY

PUBLIC HEARING

LOCATION: PUBLIC SCHOOL 6
555 PAGE AVENUE
STATEN ISLAND, NEW YORK 10307

DATE: APRIL 26, 2017

TIME: 6:30 P.M.

CERTIFYING OFFICER FOR
NEW YORK STATE GOVERNOR'S OFFICE
OF STORM RECOVERY: DANIEL GREENE
MR. GREENE: I want to thank you all for coming this evening.

My name is Daniel Greene. I am General Counsel and the Certifying Officer for the New York State Governor's Office of Storm Recovery.

Again, thank you for attending this evening's public hearing. This evening I am accompanied on stage by my colleague, Matt Hardy, also from the Governor's Office of Storm Recovery. We are also joined this evening by representatives from the Army Corps of Engineers, New York District. We have Rosie Moran, who is the Chief of the Western Section in the Office of Counsel.

The purpose of the public hearing this evening is to receive public comments on the costal and social resiliency measures proposed for the Tottenville Shoreline in Staten Island, New York, with respect to the following legal requirements. First, public comments will be received on the Draft Environment Statement for the projects, which was prepared and published pursuant to the National Environmental Policy
Act (NEPA) and the State Environmental Quality Review Act called (SEQRA).

Second, comments will be received pursuant to 24 CFR Part 55, the Federal Regulation, which seeks public feedback for HUD funded projects that are located in or adjacent to floodplains and wetlands.

Third, the Army Corps of Engineers, through the New York District Corps of Engineers, is participating in this hearing to gather information on the proposal to assist in its review of the permit application pertaining to the project.

Neither GOSR nor the Army Corps of Engineers will respond to any of the comments, or take any action on the projects at tonight's public hearing. However, pursuant to NEPA and SEQRA, comments will be responded to in writing in the Final Environmental Statement. Prior to opening tonight's public comments, I will make a brief presentation on the environmental review process, the 4 CFR Part 24, 55, and the Army Corps permit process, and DEC
permits that GOSR has applied for. I will
then provide a brief overview of the projects
and set forth tonight's ground rules.

First I will discuss the NEPA
and SEQRA process.

The State of New York has completed and made
available for review and comment a Draft
Environmental Impact Statement (DEIS) that
evaluates alternatives for increasing costal
and social resiliency along the Tottenville
Shoreline on the South Shore of Staten
Island, and also to help avoid or minimize
adverse impacts to the quality of the human
environment. The State is the Grantee of
Community Development Disaster Recovery
(CDBG-DR) funds appropriated by the Disaster
Relief Appropriations Act, 2013 (Public law
113-2) related to disaster relief, long-term
recovery, restoration of infrastructure and
housing, and economic revitalization in the
most impacted and distressed areas that
resulted from major disasters, such as
Hurricane Sandy, Hurricane Irene, and
Tropical Storm Lee, such declared pursuant to
the Robert T. Stafford Disaster Relief and
Emergency Assistance Act of 1974. The Governor's Office of Storm Recovery (GOSR) implements the State's obligations under the National Environmental Policy Act (NEPA) through duly authorized Certifying Officers, of which I am one. GOSR is an office within the New York State Homes and Community Renewal's Housing Trust Fund Corporation (HTFC), a public benefit corporation.

Slide 4: The next is slide is four. This slide shows the process for the Draft EIS in the context of the overall project. After the close of the public comment period, which is on May 8th, GOSR will review the comments and prepare a response to comment chapter and any revisions necessary to the Draft Environmental Impact Statement. The next step in the process, we will go through what is a Final EIS, and also issue a document called a record of decision, underneath the finding statement under SEQUA, which will be set forth it's proposed decision on the project.

The next law that I want to discuss is 24 CFR Part 55. The purpose of
that law is to give notice that GOSR is conducting potential activities in or around floodplains and wetlands. There are three primary purposes for this notice. First, to provide the public an opportunity to express their concerns and share information about the proposed activities, including alternative locations outside of the floodplains and wetlands. Second, to adequately give public notice and educate the public on these actions. Third, as a matter of fairness, when the government determines it will participate in actions taking place in floodplains or wetlands, it must inform those who are in the project area. As stated earlier, funding for the proposed activity will be provided by the HUD CDBG-DR Program for Storm Recovery Activities in New York State.

Additionally, this is the Army Corps process that I am going to describe next. GOSR has submitted a permit application to the United States Army Corps of Engineers under Section 404 of the Clean Water Act, and Section 10 of the Rivers and
Harbors Act. The Army Corps of Engineers' permit application proposes placement of approximately ten breakwater segments of approximately 12.7 acres, an area of shoreline restoration below the mean high water of approximately two acres, and approximately 0.24 acres of disturbance to a small delineated wetland. The permit was submitted as a Joint Permit Application to the Army Corps, The New York State Department of Environmental Conservation, The New York State Office of General Services and The New York State Department of State. However, the components of the project are specifically subject to the Corps jurisdiction, which are the breakwater segments, the shoreline restoration activities below mean high waters, and activities associated with the delineated wetlands.

Slide 5. Next we have slide five and I am going to provide a brief description of the proposed activities which are more fully described in the Draft Environmental Impact Statement. GOSR proposes to provide $69,300,000.00 in CDBG-DR
funding to implement the Coastal and Social
Resiliency Initiatives for the Tottenville
Shoreline, therein after the proposed
activity located along the South Shore of
Staten Island and parallel to that shoreline
within the Raritan Bay. The Proposed
Activity will occur in the City of New York,
borough of Staten Island, on public lands
owned by the City of New York on-shore and
underwater lands owned by the State of New
York off-shore. The proposed Activity
consists of two projects, the Rebuilding by
Design Living Breakwaters Project and
Tottenville Shoreline Protection Project.

First I would like to describe
the Living Breakwaters Project. The Living
Breakwaters Project is an innovative piece of
resilient infrastructure consisting of a
system of breakwaters specially designed to
attenuate the damaging storm waves, reduce or
reverse long-term coastal erosion, enhance
ecosystems, and foster social resiliency.
Linked closely with the Conference House
Park, the project proposes key elements,
which consist of the following:
Slide 6: Slide six is a system of an off-shore engineered breakwaters designed to reduce wave energy at the shoreline, and prevent or reverse shoreline erosion while creating hard structured marine habitat.

Next is slide 7: Slide seven is a seasonal floating dock near the breakwater and a boat launch along the shoreline to be used for observations, monitoring, maintenance, and stewardship, including specifically for vessels operated by the Billion Oyster Project and any other anticipated project stewards.

Slide 8. Next is slide eight which is a strategic placement of sand for the restoration along the shoreline.

Slide 9: Then we have as slide nine, an on-shore community Water Hub that would provide a place for access to the waterfront orientation, education, information on shoreline resiliency, community gathering space and other programing. Importantly the Draft Environmental Impact Statement presents two
locational options for the proposed Water Hub. Potential location one is located at the end of Page Avenue. Then potential location two, is located in the northwestern portion of Conference House Park. Hearing feedback on those two potential locations is a very important part of this public comment process.

The next slide please, slide ten. The project also involves community educational programming.

I am anxious to describe the Tottenville Shoreline Project, which is the next slide, slide eleven. The Tottenville Shoreline Protect, which is referred to as TSPP, complements the Living Breakwaters Project, in that it develops, through the New York Rising Community Reconstruction Planning Process. I am going to refer to it as the TSPP. The TSPP proposes on-land shoreline protection features as part of the larger resiliency strategy for Tottenville.

The proposed Tottenville Shoreline Protection Project would involve a system of shoreline protection measures
working to attenuate waves, limit erosion, and mitigate against coastal flooding and would be comprised of the following components:

Slide 12: Shown in slide twelve it was be an earthen berm from Carteret Street to Brighton Street.

Slide 13: Slide thirteen would be a hybrid dune system which includes a stone core and sand cap from Brighton Street to Loretto Street.

Slide 14: Slide fourteen is an eco-revetment from Loretto Street to Sprague Avenue.

Slide 15: Slide fifteen is a raised edge which is the trail from Sprague Avenue to Page Avenue.

Slide 16: In slide sixteen it states, combined, these elements work together to establish a resilient shoreline through layering strategies such as erosion control, wave energy attenuation, enhancement of ecosystems, and social resiliency.

The purpose and need of the combined projects are as follows:
1. Risk production, to attenuate wave energy.
2. To address both event-based and long-term shoreline erosion and preserve beach width.
3. To Address the impacts of coastal flooding.

   Next component, ecological enhancement:
4. To increase the diversity of aquatic habitats consistent with Hudson-Raritan Estuary.
5. Plane priorities, which is oyster reefs and fish and shellfish habitat.

   The next component is social resiliency:
6. Foster community education on costal resiliency directly tied to and building off the structural components of this resiliency initiative.
7. It will increase physical and visual access to the water's edge.
8. Enhance community stewardship of on-shore and in-water ecosystems.
9. It will increase access to direct recreational opportunities.

   Now I want to delve quickly into the history of the shorelines. This is
So since 1978, the Tottenville shoreline has experienced dramatic net erosion. The greatest historic erosion was seen in the southern part of Conference House Park, where the erosion rate was over three feet per year.

It lists in slide eighteen, that the erosion is visible on the shoreline today in the form of exposed pipes and eroded dunes. Narrow beaches due to this erosion mean less protection for on-shore assets from wave action as well as less space for people to enjoy the shoreline, and near shore waters. The breakwaters and shoreline restoration will add and trap much needed sand to reduce or reverse this historic shoreline erosion. In addition to suffering from erosion, the South Shore is exposed to damaging waves during severe storm events. The Breakwater and Shoreline Project works together to reduce wave heights reaching the shore and its assets. The breakwaters are also being designed to create habitat and increase aquatic biodiversity consistent with
the priorities of the Hudson-Raritan Estuary Plan. To support this goal, the intertidal and sub-tidal portions of the breakwater will provide a significant increase in diverse, complex structured habitat for a wide range of aquatic species including fish, shellfish, and benthic invertebrates. In the end, this will be a layered approach to reducing costal risk to Tottenville, enhancing the biological diversity of the Raritan Bay, and fostering a culture of resilience through education, stewardship, and improved access to the water.

We are now going to open this evening's meeting up for the public comments. I am going to layout a couple of ground rules for the hearing, which are important for everyone to adhere to, to make sure that everyone has time to express their thoughts. So each speaker this evening must sign in at the table. The common card will then be given to me, and I will call out the speaker's name, and they will get their time to speak. We ask that before you speak, for the courtesy of our very helpful Stenographer
who is with us here this evening, that you
state your name. If you are here from an
organization, please state the organization
so that it is clear for the record. Please
speak in a manner that our Reporter this
evening will be able to understand you so
that your comments are clearly transcribed in
the record. This is on the record, so these
are formal public comments this evening that
the State will respond to in it's final
Environmental Impact Statement.

We are going to call your
names up, three at a time. Please line up in
an orderly fashion at the microphone here,
which is to my left. Each speaker will get
three minutes to speak. When you are
completed speaking, you must then return to
the audience. This is not, however, the only
opportunity to submit comments. We also are
accepting written comments and you can submit
those through May 8th, to the address and
e-mail described in the slide, and also some
of the other materials that we have at the
table this evening. So please submit to us
any written comments by May 8th, and they
will be considered in preparation of the final EIS. So those are the ground rules, and with that being said, we are now going to call our speakers. We have a couple of representatives from some elected official's offices, and as a matter of courtesy, we are going to allow them their three minutes first. Then we will move into the public commenting, in the order that it was received.

I am going to start with the representatives from New York City Councilman Borelli's Office, if they wish to speak this evening.

REPRESENTATIVE OF COUNCILMAN

BORELLI: No comment.

MR. GREENE: Okay, no comment. Then New York State Senator Lanza is here this evening, a representative from his office?

REPRESENTATIVE OF SENATOR

LANZA: No comment.

MR. GREENE: Okay, so then we are going to start with Michael Greco this evening. Everyone should
look at the screen here for their
minutes. Matt will give you a
warning at one minute so that you
can make your comments accordingly.
With that being said, Mr. Greco,
just check the mike and make sure
that it is working.

MR. GRECO: Okay.

MR. GREENE: Is it working?

MR. GRECO: Yes.

MR. GREENE: You may begin.

MR. GRECO: Good evening,
folks. Let's start at the beginning, the
very name of this project, Storm Recovery
Living Breakwaters. They admitted that they
were referring to Super Storm Sandy, of which
there was very little help in Staten Island,
a/k/a the forgotten borough, during and after
the storm, of which people are trying to
recover from. So the very name is an insult
to our intelligence. People, storm recovery
takes place a day after the storm, not five
years. They got $69,000,000.00 that they
want to bring here five years later to build
cement and polypropylene mats. They tell
you about these structures, but they don't
tell you what they are made out of. They
want to use polypropylene mats that they call
a bio text product. This is extremely
deceptive, okay? Then they say that they are
using tau army units, those are concrete
blocks. I priced them at $2,000 a piece.
Like they say, follow the money. They are
probably going to use 100,000 of these blocks
to build these things. These things are
nothing more than an environmental nightmare
about to happen. I have yet to see man
improve upon nature, and this hair brain
scheme of putting concrete blocks in our bay
with polypropylene, the polypropylene is just
going to disintegrate, the crabs, the fish,
and all the marine species that are under it
are going to be eradicated. So with that
being said, next is wave attenuation. Wave
attenuation, that is a fancy word for wave
reduction. Ladies and gentlemen this is the
calmer, most shallowest part of the Raritan
Bay. You do not need these block sized
islands to stop a two and a half foot wave.
It is ridiculous, and as far as erosion, we
have people on the beach that have taken measurements for the past thirty-five years from a benchmark that has been unmoved, and there is no evidence of erosion whatsoever.

MR. HARDY: One minute left.

MR. GRECO: The only erosion that does happen, is from the storm outdoor pipes that need to be extended. Every time it rains you get a huge amount of water that washes the beach away. That comes from the storm pipes. If those were extended, the beaches would build up, and you would put groin jetties, short groin jetties out there, that will resolve all of the problems.

Now what the money could be used for is, Staten Island is unanimously the most unsightly thing that you have ever seen from the sea. There are thousands of pilings, broken peers, broken docks, miscellaneous rocks and bolder's spewed all over the entire island, along with probably over a hundred sunken vessels. You want to do something for Staten Island, get rid of all that garbage, beautify the shorelines, that is where the money should go.
Another thing oysters, I love
this one folks. They want to spend millions
of dollars on oysters. I just took a walk on
the beach, and I got buckets full of oyster
shells here, so what are we going to spend
$10,000,000.00?

MR. GREENE: Okay, thank you,
Mr. Greco.

MR. GRECO: The stuff is
existing already, don't let them fool you.

THE AUDIENCE: Applause.

MR. GREENE: Okay, next we
have Lorraine Castallano, Robert Abdenour,
and Mr. Panarello, and I apologize if I
mispronounced any your names. Do we have
those three speakers? Do we have Lorraine
Castallano, Robert Abdenour and Anthony
Panarello?

MS. CASTALLANO: Hi everyone.
I can't follow-up on Mike, he did a great
job. I can only say that I am a resident of
Tottenville and I am here to tell you that
there are no waves. There are no waves, it
is beautiful here. For them to want to come
in and to destroy what we have is really
It is really hard to analyze what they want, okay, please.

THE AUDIENCE: Applause.

MS. CASTALLANO: Thank you, everyone.

MR. GREENE: I am looking for Robert Abdenour or Anthony Panarello.

MR. PANARELLO: We, the Tottenville Community feel betrayed by the plan that has been proposed, the plan to build a pathway from Page Avenue to Sprague Avenue. The improvement will only be attractive to individuals living outside of this community. It is not in the best interest of its residents. Prior to Hurricane Sandy, the Conference House Park installed a pathway right in the backyards of the homeowners living on the bay. From that day on, it caused a multitude of problems as we saw an increase in crimes, such as trespassing, property damage, and burglary, as well as an increase in vagrants who seek to take advantage of the area to do drugs and drink alcohol. We are a wonderful community with high family values and we enjoy the
comfort and security of our little safe haven of a community. We fear that the Governor's Office of Storm Recovery will jeopardize this. The pathway is an unnecessary addition to an already beautiful beach that is traversed daily by residents and visitors from all over the Island. The plan should focus more on the protection of our shorelines with the beach extension and the living breakwaters. It should not focus on creating another park that will do nothing to alleviate our environmental concerns. The Water Hub should be located at the Conference House Park at the end of Hylan Boulevard. The bay in this area is better protected, making it safer for the visitors and the building, and it is away from the residential property so it is not an invasion of the privacy of area residents. It also has parking, roads, and bathroom facilities and it will be easier to maintain. This change will save millions of dollars, bring more foot traffic to this beautiful park, and actually benefit community residents rather than hurt them.
Thank you very much.

THE AUDIENCE: Applause.

MR. GREENE: Robert Abdenour?

MR. ABDENOUR: Hello everyone.

My name is Robert Abdenour. I live on Ottavio Promenade. I have been living here for about ten months. In the last ten months, I have seen a lot of things. I have seen where a naked woman walked up my block and walked passed my house, passed my ten year old son, and myself. We have had two cars stolen on one side of my house, and two cars stolen on the other side of my house. A day after that, I found a gun sitting in my backyard where my ten year old son could have grabbed it, but instead I got it. Do I want a walk in my backyard, I don't. I find beer, tons of it, and condoms all the time. I am picking up dog mess in my backyard constantly. I don't want the walk. I would like it to be more beautiful. I would love for them to put more sand on the beach so that you can enjoy it, instead of having rocks and tires there, but I don't want people walking passed my backyard and seeing
what I have in my backyard, and maybe
breaking into my house. Like I said, I have
only lived there for ten months, and in ten
months I have seen a lot.

Thank you for your time this
evening.

THE AUDIENCE: Applause.

MR. GREENE: Next we will hear
from Michael Panarello.

MR: PANARELLO: My name is
Michael Panarello. I do not have anything
formally written out, but I will try to
reiterate some of the things that my son
spoke of. I see no need for a pathway in our
backyards that can bring on people. You
know, in the daytime everybody is working.
Despite what people might think, people down
in this area work, and work hard. So we do
not feel the need to have in this area,
people who will come here and walk up and
down, basically in our backyards, is how I
feel. That is access for people to come on
our property, and also access for thieves to
leave our property.

Second of all, if there is
going to be any Hub Station, it is totally logical to have it at the Conference House. There is room there, they do not have to uplift rocks and make it a walkway for walking, you know sidewalks. It is makes total sense, if you are going to have a Hub, to have it by the Conference House.

As far as the breakwaters, I do agree with Mike, his research has been extensive, but my main concern is the pathway and the Hub not being on Page Avenue.

Thank you.

THE AUDIENCE: Applause.

MR. GREENE: Can we have the next three speakers, John Malizia, Goodwin Halvorsen and Ayman Farid.

MR. MALIZIA: Good evening everyone. My name is John Malizia. I support the Living Breakwaters, a rebuild by design initiative, that will help protect Staten Island from future storms, enhance ecology, and connect residents and students to our shoreline.

The people of Staten Island suffered devastating and tragic losses as a
result of Hurricane Sandy. For the South Shore, the storm also carried away up to thirty feet of waterfront land. Despite the efforts of the City and the State to stem this erosion, the shoreline continues to crumble, leaving homes, parkland, and businesses exposed to future storms.

The proposal by SCAPE and their partners for a living breakwater would reduce the destructive forces of waves, preventing erosion of the beaches and bluffs that protect the community for storms. These reef-like structures are specially designed to enhance coastal ecology important for both the fish and the commercial and recreational businesses that depend on healthy fisheries for their livelihood. The SCAPE team has also made the community a critical element in the program, in particular by proposing a way to reconnect the shoreline's restoration to Staten Island's rich maritime heritage, and in particular the lives of secondary school students.

I am on the Citizens Advisory Committee, and as a member of the Citizens
Advisory Committee, my focus is on the Breakwaters Project, which I hope would primarily be Oyster Reefs. These island reefs primary function is to attenuate wave action to the shoreline of Tottenville. This will impact the shoreline of Tottenville as well as boaters, fishermen, and recreation on the water.

The Citizens Advisory Committee has been pretty active in the past couple of years, going to meetings, doing beach walks, outreach to the community, going to seminars on oysters, always giving the Breakwater Team their concerns and comments.

I would like to thank Alex Zablocki for his great work and leadership and welcome Lisa Kaplan.

Let's move forward, and do Tottenville proud.

Thank you.

THE AUDIENCE: Applause.

MR. GREENE: Goodwin Halvorsen?

MR. HALVORSEN: Hello. I am Goodwin Halvorsen from the Tottenville
Advisory Group. This is regarding the Governor's Office of Storm Recovery. The subject is the Tottenville Shoreline Pathway and Water Hub East of Sprague Avenue to Page Avenue.

We the Tottenville residents need to know who are the City and State Officials who are giving input and making decisions on the safety and lives of the Tottenville Community on this project.

The Governor's Office of Storm Recovery money is to be used for protection for the areas destroyed by Super Storm Sandy, where lives and homes were lost and that would be the shoreline running west of Sprague Avenue. Why is the Governor's Office of Storm Recovery wasting millions of taxpayer dollars on a pathway running east of Sprague Avenue to Page Avenue? This is on much higher ground, and it will be running right through the homeowner's backyards, all of which the homeowners and community do not want, or need this pathway. It will only put the families and community in harms way. It will only take away our safety and quality of
life and wellbeing with no buffer zone.

Please, let's use this money for protection, and not for destroying our community. We need the storm water outlets to be extended and made into jetties, which will stop the sand from getting washed away, and will hold the sand in place for protection. Sea gates or check valves installed on storm water lines should be used to stop flooding during a storm. We need the shoreline to be replenished with sand, a storm water pump station which will stop the flooding in lower areas and help clean the bay. A better hardened dune system also we need, and a new jetty at the end of Brighton Street. All this needs to take place in the lower areas and that's from Sprague Avenue, heading west to the Conference House Park, and not for a pathway running east of Sprague Avenue to Page Avenue, that has nothing to do with storm recovery protection. Before the Conference House Park took over the shorelines in Tottenville in the seventies, we had jetties made of wood which held the sand in place that was for our protection.
during storms, and the beaches were beautiful. The Conference House Park never maintained these jetties and we lost so much sand on the shoreline which caused Surf Avenue to get washed away to where you could see a ten inch city water main on the beach at the bottom of Rockaway Street before Super Storm Sandy. The community in this lower area had no protection at all, and that is why it's so important that the Governor's Office of Storm Recovery money is to be used here. All we are trying to do is to look out for the safety and loves of the Tottenville Community. We, the Tottenville residents, feel that the Conference House Park at the end of Hylan Boulevard would be the best location for the Water Hub.

We thank you for your support in this matter.

THE AUDIENCE: Applause.

MR. GREENE: Ayman Farid is next.

MR. FARID: Good evening ladies and gentlemen. My name is Ayman Farid, and I am a physician by trade, and I
I am a Tottenville resident. I have lived here for about ten years. I am here today to talk to you about my concerns, and the concerns of the community.

There are three parts of this project that we have heard about today.

Firstly, the breakwaters. The breakwaters is something that is being put there to prevent wave action. There are no waves. There are no three foot waves in the bay. We have not seen that. I have not seen that in ten years, and I am living here for the past ten years. When Super Storm Sandy came, the problem was not the waves, the problem was water running into our property, and water overflowing. This will not prevent water overflowing, as to what you said before.

Secondly, the Hub. The Hub, according to the DEIC, states that it is for resilience, and to bring people in, and to have people be able to share the waters and enjoy the water. The fact is, the water is there, the beach is there, and people can enjoy it, and there is no reason to build a
house or a structure there for people to come and enjoy it. If the Hub has to be built, and there is a reason for it, I agree with my colleagues as to what they have said, it needs to be down shore in the Conference House, not behind residents. Another reason that it should not be here is that Page Avenue is very small and will not allow busses and children to come there. Where will all the busses turn? Who maintains these properties? The properties that we have now have not been maintained. So the Hub, if necessary, needs to be placed near the Conference House.

Finally the walkway. The walkway was intended to increase resiliency and to increase the access for the public. The beach is there, people walk there all the time, and they come and they walk and there is no problem. We do not need to build a walkway. I heard you say again today that this will prevent waves. A structure on the sand to prevent three foot waves that don't exist, why are we really doing this? Why are we wasting the Government's money?
Finally, I would like to say something very quickly. For the past couple of weeks, we made out forms, and we have bound together and signed petitions and I have in my hand today, signatures from over four hundred, five hundred residents of Staten Island that say that this project is wrong from A to Z. If necessary, this funding could be modified for the safety of the community and the residents.

Thank you

THE AUDIENCE: Applause.

MR. GREENE: Next we have Jaiden Halvorsen.

MS. JAIDEN HALVORSEN: Hi, my name Jaiden Halvorsen. I am ten years old and I live at 50 Joline Lane in Tottenville, at the beach.

Please, can someone let me know why they are trying to put a pathway from Sprague Avenue to Page Avenue, only to take away my safety again, and not be able to play in my yard?

We used to have a wooden fence in our backyard before Super Storm Sandy that
the Parks Department put in from Sprague Avenue to Page Avenue. The fence made a pathway, that we always had strangers and dogs wandering into our yard. We had homeless people living in a tent and using our water hose. Also there was lots of kids lighting fires, playing loud music, and being very loud making me not able to sleep at night.

One day we had a lot of police with their guns out in my yard. They were chasing bad people that came running from that pathway into my yard.

My parents would not allow me to be alone and play in my own yard because all the strangers that were coming in my yard. They were afraid for my safety and they didn't want me to get bit by a dog.

I was so happy after the storm, not to see that fence anymore, but to find it in my house and all of my toys, and my bike, and my pictures had to be put in the garbage.

Please don't put a pathway, so I can be a kid and play in my own yard like
other kids that get to go out and play in
their yards.

THE AUDIENCE: Applause.

MR. GREENE: Next we will hear
from Kerry Halvorsen.

MS. KERRY HALVORSEN: Good
evening everyone. My name is Kerry
Halvorsen. I am a Tottenville resident and a
CAC member also. I just would like to know,
why would you use the storm recovery money to
put lives at risk only and to look out for
the best interest of New York City Parks
Department? This money is supposed to be
used for protection, not millions of dollars
being spent on a pathway that's going to be a
safe haven for criminals, and only to destroy
our community.

We have a buffer zone now and
that's the embankment. People walk and use
the shoreline now. By installing a pathway
on top of this embankment, which is married
to homeowners backyards, how are you going to
give them a buffer zone?

How are you going to protect
invasion of privacy, quality of life, and the
wellbeing of the community and the homeowners
that are married to this pathway?

How are you going to close
this pathway? Are you installing lights or
cameras? Parks are open dawn to dusk and
this would be a twenty-four hour, seven day a
week operation with no gates. How are you
going to stop people, criminals, from
trespassing off this pathway especially at
night and when people are at work?

Where is the money coming from
for the maintenance over the life expectancy
of the pathway and who will be maintaining
it? The Parks Department does not maintain
anything. What is the life expectancy of the
shoreline project, and when it needs
replacing, where is the money coming from?
How far off the homeowner's property is this
going to be?

Why are you installing this
pathway, which is on much higher ground and
will only take away from our safety instead
of using storm recovery money for better
protection in the lower areas where lives and
homes were lost from Super Storm Sandy? This
is from Sprague Avenue, heading west to the
Conference House.

Who do you make accountable
when we lose a life or homes get broken into
or any kind of criminal activity against us
that this pathway is going to bring into the
community? We would rather deal with a Super
Storm every year, than losing our safety,
quality of life, privacy, and sleepless
nights that this pathway from Sprague Avenue
to Page Avenue will bring. Is a pathway more
important than safety?

How about installing flood
gates on storm lines which will give us
protection?

Why are we not installing
jetties running south off the shorelines? We
had jetties in the forties, which held the
sand in place, that was our protection. New
York City Parks took over the shoreline in
the seventies and never fixed or maintained
these jetties, and we lost our protection to
the point that Surf Avenue got washed away
where you can see a ten inch City water line
on the beach at the bottom of Rockaway Street
before Super Storm Sandy.

Why are you not fixing the storm water outfalls that are causing the beach erosion? I am not talking about the bay, which is shallow, where you can practically walk to the channel at low tide. The most that you get is a two to three foot wave.

Who is making these decisions on this Tottenville Living Breakwaters Project? This project is a coastal green infrastructure to increase physical, ecological and social resilience. This project is not to protect you from a storm or super storm, it's a pilot for beach erosion.

If you found your perfect home in the perfect community, and while working your whole life with your spouse and your kids, would you want a pathway in your backyard only steps from your house?

MR. GREENE: Thank you.

THE AUDIENCE: Applause.

MR. GREENE: Next we have Kristian Wredstralm and John Blatchfar from Wagner College.
MR. WREDSTRALM: Hey how are you doing? My name is Kristian Wredstralm from Wagner College.

MR. BLATCHFAR: I am John Blatchfar from Wagner College.

MR. WREDSTRALM: As a student at Wagner College, and the founder and President of our Environmental Sustainability Club, the Building and Oyster Project, part of the Living Breakwaters Project is of great importance not only to me, but to the forty-five club members that I represent.

Since the summer of 2016, we have had several of our members conducting research with the Building and Oyster Project in Lemon Creek, where the living breakwaters would be. I found out yes, oysters can grow on Staten Island and that they can thrive. Some quick facts that I would like to share with you about oysters that I find very fascinating is that a mature oyster can filter up to forty gallons of water per day, and that clusters of oysters are formed. When they are formed, they act as beacons for other sea life to come in. I am very excited to see that this
is a step in the right direction. For the
future, it is great, and as community leaders
here, we all have a chance to impact the
decision for the future and future
generations to come.

THE AUDIENCE: Where do you
live?

MR. GREENE: No interruptions,
please.

MR. BLATCHFAR: I have been
part of the student researches at Lemon Creek
for the Building and Oyster Project and I
find it very fascinating that oysters can
actually grow mainly in high waters and down
street places. That is just something small
that I wanted to share with you guys this
evening, and we thank you very much for
having us.

MR. GREENE: Our next three
speakers are Tony Amato, Peter Malinowski,
and Pamela Pettyjohn.

MR. AMATO: Good evening. My
name is Tony Amato. I am a Tottenville
resident. I live on Leonello Lane, that is
between Page Avenue and Bedel Avenue, below
$69,000,000.00 is a lot of money to give to an event that happens once every hundred years. That is what Super Storm Sandy was known as, a hundred year storm. There are things that need to be addressed that address everyday lives, events, and activities. For example, there are no sidewalks between Hylan Boulevard and Surf Avenue on Page and Bedel Avenues. They are two-way streets, but only one car fits. My children take the bus on Hylan Boulevard and Page Avenue everyday, and they leave at 6:30 in the morning. From November to March, they are in pure darkness, the lights are not working. They can get hit by a car. They can get hit by a deer. The fence that came up on Super Storm Sandy, the wooden fence, it has been replaced and put back, where the water basically tore it down and damaged homes along the shoreline. $69,000,000.00 can do a lot. We can rebuild sidewalks, and improve the safety of those streets.

The Hub, we just don't have the infrastructure for it at the end of Page Avenue. There is a beautiful parking lot,
there is a beautiful Conference House, all at
the end of Hylan Boulevard. It just makes
sense to just keep making that area at the
end of Hylan Boulevard, bigger and better
for Staten Island. To have sidewalks put
behind the homes of homeowners from Sprague
Avenue to Page Avenue, these homeowners, they
paid for that exclusivity, to have that piece
of mind, that view. We are now putting a
public sidewalk in their backyard, when we do
not even have sidewalks in our public
streets.

MR. GREENE: One minute.

MR. AMATO: So that just does
not make any sense. That is not logical
sense. We need to put the Hub at the end of
the Conference House, and it just does not
make any sense to have a building like that
at the end of Page Avenue, in a residential
area where the infrastructure cannot support
the potential traffic flow up and down Page
and Bedel.

Thank you.

THE AUDIENCE: Applause.

MR. GREENE: Peter Malinowski.
MR. MALINOWSKI: Thanks for
having me. So I work with the Billion Oyster
Project. We work to grow and restore oysters
throughout New York City, throughout New York
Harbor. We work with about fifty high
schools throughout all five boroughs, and we
have oysters growing in over three hundred
locations along the shoreline of New York.
We see immediate and dramatic increases in
local biodiversity and bio-productivity by
the simple act of adding some structure and
live animal cages in the water. That is true
throughout the harbor. Our whole project is
based around the idea that there is a magic
world and providing students with a real
connection to living animals and living
ecosystems results in improved outcomes and
is measured through improved attendance and
improved success on standardized tests, and
other measures of student outcomes in
schools.

We are going to offer our full
support in this project because of the
addition of structure to a marine habitat
that used to have that structure. Raritan
Bay used to be full of oyster reefs,
thousands of acres in Raritan Bay, and that
structure provides food and habitat for
thousands of species of fish. Without it,
there is nowhere to hide and nothing to eat.
Any fisherman knows, any waterman knows that
if you are looking for fish, you look around
the structure. You can see that in jetties,
you can see that in day shapes and all of
these things, in peers, that is where the
fish hang out. So you have a system.

That structure has been
removed, and we are very excited to play any
role in bringing part of that biodiversity
and bio-productivity back to a waterway that
used to support more life than it does now.

In addition to that, through
our education programs, we are excited about
the opportunity to improve on and build on
the idea of connecting to the national world
through bringing young people in boats to the
breakwaters, to monitor the breakwaters and
to measure the direct impact of the
biodiversity and water quality.

MR. GREENE: One minute.
MR. MALINOWSKI: And to build
on a historic culture in Staten Island,
especially around the water and around the
local resources. So we are very excited
about it and thanks for having me.

THE AUDIENCE: Applause.

MR. GREENE: Next, we have Ms.
Pamela Pettyjohn.

MS. PETTYJOHN: Good evening
everyone. Thank you for affording me this
opportunity to lend my voice in this process.
I am Pamela Pettyjohn, founder and President
of Coney Island Beautification Project, and
neighbors of Staten Island. We were
negatively affected by the devastation of
Hurricane Irene, several nor easterners and
Super Storm Sandy. During a presentation in
Coney Island by the Governor's Office of
Storm Recovery, we realized the geographic
similarities via our connection to the
waterways. Much of Sandy's destruction
manifested itself to Coney Island Creek,
which raised up the floods at Coney Island
Peninsula. The interest of Coney Island
Creek is the Atlantic Ocean, the ocean which
forms the shoreline of Staten Island. My organization's mission is the same as the aim of the residents of Staten Island. Locally Coney Island Beautification Project organizes events to highlight environmental importance of the waterways. We also outreach and partner with area waterway advocacy groups. Our learning of HUD's Rebuild by Design Community based competition of which I volunteered, or accepted and joined the Staten Island Design Team. Horay, Staten Island Breakwaters were the winners. We concur with the other voices in support of the DDIS. We move forward with the final environmental impact study, it is of great importance. I much like the educational components of the report, and applaud the public access and student participation portions.

Finally, I must acknowledge the great significance of the community welcoming partnership in this process. Thank you for your attention this evening.

THE AUDIENCE: Applause.
MR. GREENE: Our next three speakers will be Maria Reback. We have Richard Sarnes, and we have George Savlo. Okay, please go ahead.

MS. REBACK: Hi, my name is Maria Reback. How many CAC members do you have, and how many live in Tottenville, below the boulevard? Why are people that don't even live here, in Tottenville, being allowed to make life changing decisions for us? Why is the Parks Department putting the fence back up, which only damaged our homes, caused flooding in our homes, and brought crime in the neighborhood?

How about extending the outfalls, which is causing the beach erosion with rock jetties over them and replenish the sand on the beach so that people can go to a beach with sand as opposed to cement? Isn't that what a beach is? We can't we get sidewalks on these City mapped streets, but we are putting a sidewalk, a pathway on the beach, why?

We are on higher ground from Sprague Avenue to Page Avenue, eight to
twelve feet higher than Sprague Avenue
heading west towards the Conference House,
and we don't want a pathway behind our homes
which will only take away the safety and
quality of life in the community. Put the
hardened dune system where homes and lives
were lost.

Fix the trails and pathways
that are already in place at Conference House
Park. Why is there a need to extend these
trails and pathways? The current trails and
pathways are not being maintained as they
should. We don't need a twenty-four hour,
seven day a week un-policed pathway behind
our homes. We have safety concerns for our
homes, property, children and grandchildren.
I thought this project was for protection.
This is a quality of life issue. Please
answer this question, if you lived in our
homes, would you feel the same way? You
would not want this married to your backyard.
Where is the funding coming
from and who will be maintaining this
Shoreline Protection Project?
The Hub needs to be at the
Conference House, at the end of Hylan Boulevard, where you have better protection for both the building and for kayaking. There are bathrooms there, there is public transportation, parking already is in place at the Conference House itself for people to visit.

This is a pilot project, as stated on the New York State Community Development Block Grant Disaster Recovery Program Substantial Amendment Number 15.

MR. GREENE: One minute.

MS. REBACK: This project will not protect us from a storm surge, it is all about beach erosion and social resiliency. I urge you to come visit the area in question so you can see and understand what we are talking about. You can meet us at your convenience. Please contact us at Tottenvilleresidents@gmail.com to schedule a tour.

Have the pathway go from Carteret Street to the Water Hub location, the option two site.

MR. GREENE: Thank you very
THE AUDIENCE: Applause.

MR. GREENE: Richard Sarnes.

MR. SARNES: My name is Richard Sarnes. I live on Craig Avenue. So I do not live directly where this area is. So I am not going to sit here and speak about things that I don't know about, or did not do my homework on. My homework has been on Nassau Smelting, if you know anything about what is going on there. What I will speak about is some things that I do know. If this is being built for Hurricane Sandy, Hurricane Sandy measured a thirty-two foot tidal wave from the end NOAA buoys, off of Sandy Hook. It took Old Orchard Lighthouse, and completely wiped it off its base. These breakwaters will do nothing for a thirty-two foot tidal wave, they are completely useless. What will cause beach erosion is, Nassau Smelting, the person who bought that property is planning on putting a ferry, a fast ferry in that will go fifty miles an hour, creating a four foot wake going through the channel and passed these breakwaters. That is going to cause
We will talk about a few other things. Tottenville is protected by Sandy Hook, where Coney Island is not. They are completely different. They are not even close to being similar. You mentioned Lemon Creek, and Lemon Creek is nowhere near the end of Page Avenue.

THE AUDIENCE: Applause.

MR. SARNES: It is a couple of miles away.

The other thing is, I want to talk about oysters in our area. Oysters in our areas left because of the contaminants in our waters. They did not leave because the land washed away. The left because of the dirt. If you know anything about the Community Center down in Rossville, which collapsed a few years ago, and that happened due to sandworms that ate the pilings. Those sandworms do not live in contaminated water. They came back and they ate away those pilings because this water is clean enough to now sustain them. The oysters are also rising, not because they are fixing the
beaches, but simply because the cleanliness
of the water has improved to where they can
survive. The oysters will come back all by
themselves. We do not need to start building
things and adding things to bring back the
oysters. We all love oysters, great, all the
oysters that we can bring in, but we do not
need to build this in order for that to
happen.

I think that is pretty much
it, thank you.

THE AUDIENCE: Applause.

MR. GREENE: Next we have
George Salvo.

MR. SALVO: I have lived on
Page Avenue, and I see the traffic that goes
up and down the street now, and I just want
to mention what it is going to be like if
that Hub is put in at the end of Page Avenue.
It is a very narrow street. There is barely
enough room for one car, and there are no
sidewalks along that street. You cannot even
walk there. We do not have the
infrastructure to put a Hub there. There was
talk about putting a restaurant at the Hub,
there are not even sewers there, there are
septics. How is it going to accommodate a
restaurant? Residential septics need to
pumped out every couple of months. We just
can't accommodate it at the end of Page, the
Hub would be better at the end of Hylan
Boulevard.

Maintenance, we see a lot of
things on Page Avenue, the whole entire area
that is supposed to be maintained by the
Parks Department, we see it all when the
trees are not in bloom, it is not kept up at
all. Now you see it, the grass is not being
cut. I have cut the grass across the street
from me because I live on Page Avenue and I
cut about two hundred and fifty feet in and
the ninety foot lot because no one maintains
this area. I don't see anything good coming
from the Parks Department.

Thank you.

THE AUDIENCE: Applause.

MR. GREENE: Diane Silverman,
Joseph Abela and Diane Rivela.

MS. SILVERMAN: Good evening,
everyone. I am Diane Silverman. I live on
Billop Avenue. I am far away from the Hub, and I am far away from the walkway, so I really do not want to get involved in the debate of the walkways and the Hub, but overall I do want to stress the urgency of the overall project. Let's not forget that people died here and this project is desperately needed. You are never going to get a hundred percent of the community sold on every single aspect of the project. It is four and a half years since Sandy, and many of the homeowners are anxious to get the show on the road. The wall all the way through to Carteret along Billop Avenue, and the Living Breakwaters Project may not only help homeowners as far as protecting them, but may also reduce their flood insurance premiums in the future. A lot of people don't realize right now that the flood insurance is going to be going through the roof, and without the Army Corps of Engineers, without some of these breakwaters going in, some of the homeowners flood insurance is going to go up anywhere from $10,000.00 to $30,000.00 a year. I am an appraiser and I am a broker,
and I can tell you this, it is going to impact the values of your homes greatly. So I understand that the Hub and the walkway is a very serious issue, but there are other issues involved, like protecting the coastline and protecting lives.

I would like to give you a little analogy, if you bear with me. If you are in the City and you drive down the street and you hit a pothole and you ruin your tire or you ruin your rim, you lose your temper and you call 311. 311 tells you oh, you can't put a claim in because we have to be put on prior notice and we have six weeks to repair that pothole. If someone else six weeks later hurts their car, then they are responsible. So my point of that story is this, every government agency is now on notice, and as I mentioned before, the people that live along the coastline that were effected by Sandy and died --

MR. GREENE: One minute.

MS. SILVERMAN: Sandy was a horrific, unexpected event, but now that you know that it can happen again, who will be
responsible if people die in the future where it could have been prevented. Please expedite this project and many of the homeowners are very appreciative of it.

Thank you.

THE AUDIENCE: Applause.

MR. GREENE: Joseph Abela.

MR. ABELA: My name is Joseph Abela. I reside at 846 Page Avenue, which is the last house on a dead end street. I have been there for twenty-five years, and I would like to thank the board for allowing me to express my concerns.

I recognize that minutes are being recorded, and I would like it to be known that although I am truly concerned for my friends and neighbors, that I represent no one here, and no one here represents me. My concern is for safety and security. The parking lot across the street from me has made it difficult for me to live peacefully for many years. Conference House Park closes at dusk, no loud music, no alcoholic beverages, and most importantly no fires. That does not exist where I am. Living
across the street from this parking lot has made it difficult to say the least. I go out constantly and ask people to keep it down. I have had to call 311 on countless occasions. I clean up this area Sunday morning's after church, I clean up garbage, beer cans, bottles, used condoms and hyperemic needles. On three occasions that I know of, structures have been set on fire. On one occasion the fire was so huge that the Fire Department came. This area has become a fire hazard. Another problem is, they back out of the driveway at dangerous speeds. This type of behavior is dangerous. If they can't control the problems that are going on now, how are they going to handle a much larger project like the Hub?

I am asking the board to reconsider and to place the Hub in a more reasonable location such as the Conference House, where it would have easier access, less homes, and is a more manageable area. As a practicing Christian, my sincere prayers and concerns fall upon the ears of the board. Thank you for your time this
THE AUDIENCE: Applause.

MR. GREENE: Diane Rivela.

MS. RIVELA: I want to start by saying, I will speak about the environmental impact that this project will have. You want to put a pathway in the backyards of these homes. I agree up to Sprague Avenue is required to bring the grounds up and to be able to control the water from coming in the houses. I also believe there should be jetties put on the beaches and the water because the water needs to be trapped in a special way that it goes in. I am sorry, let me start with the backyards.

In the backyards we have burglaries. My house has been robbed several times. I have had my car stolen out of my driveway three weeks ago. I had people on my block carrying weapons and breaking into cars. I sit here and I have a million things that I have to worry about. In the middle of the night, I have my girlfriend on the phone and there are people walking around my
property. You want to put people in my backyard, then you come here and you sit here and watch, you stand there with a gun and make sure that nobody robs us, okay, because I can't live like this and nobody here can. At the end of the day, you want to put a Hub in the back there. I was required by the DOB to put 140 sprinklers in my house because your fire trucks could not get there. Your fire trucks could not get there because there is no egress into these properties, they are too narrow, the roads. We have to stop for the deer, and we spend hours going down our block; okay? You have no idea what you are talking about in regards to putting a Hub between these houses when there is no place for them to even park their cars.

The next thing, your breakwaters. Your breakwaters are wonderful. Your ecological oysters, they have been there for hundreds of years, before you were even born. They are still there, in my basement. I had oysters in my basement, so don't you tell me that they are not there. You want to do something, put jetties out by Rockaway,
and watch your beach grow, and watch all the families come back and sit on these beaches, and be part of this.

What you are saying to do is spend all of this money, why do you spend this money where it needs to be spent? The things that you want to build there are concrete. Never mind the wood that went in my house that wasn't okay, it was two feet in the ground and four feet out of the ground. When it was constructed properly, it went through everybody's house. I had a peer in my house. So until you know what that is like, you better understand what you are doing with your concrete stones that can go through everybody else's house.

MR. GREENE: Thank you. Next we have Steven Shapiro, James Pistilli and John Galarza.

MR. SHAPIRO: Good evening. My name is Steve Shapiro. I am a Tottenville resident. I live on the bottom of Bedel Avenue. I am here to talk about the Water Hub.

I am a retired Lieutenant from
the Fire Department of twenty-three years. I do not know if anybody has taken into consideration this. When talking about the Water Hub, you say that you want to have educational programs, recreational programs, and bring a lot of programs in, which is great. The problem is, if there is an emergency down there, there is no way that two vehicles can come down at the same time. It is a very very narrow street. If there is an emergency that requires police or EMS, there is no way for these vehicles to get down there. God forbid there is a vehicle that is stuck, there is going to be a big problem. So I do not think that has been addressed. If you came down, you would see it.

THE AUDIENCE: Applause.


MR. PISTILLI: Good evening.

My name is Jim Pistilli. I am Co-chair for the CAC, as well as the President of the Tottenville Civic. The Tottenville Civic has been an integral part of this project the
development of both the Living Breakwaters and the Shoreline Protection Project. We were initially contacted in early 2013, regarding the proposed plans for the devastating shoreline problems of Super Storm Sandy which resulted in the loss of both property and life. The Civic was also a sitting member of the Governor's New York Rising Community Reconstruction Project for Staten Island, where after a year there was a great deal of development with plans to protect the shoreline and to initiate other proposals for protection against future storms. The Civic, along with community groups, individuals, and elected officials were given numerous opportunities to comment on these projects as they were being developed from 2013, through the present. There were at least fifteen various meetings held on this, to help shape the project. The current design for these projects reflect the recommendations made through the public in the process. Other options were examined and they were determined not to meet the purpose in need.
The Living Breakwaters and the Tottenville Shoreline Protection Projects have been designed to work together as a layered system that will reduce long term coastal erosion, attenuate storm waves, improve biodiversity and ensure the ecosystem while enhancing the public's experience of the shoreline. These projects will result in the risk reduction and ecological enhancement and social resiliency for the Tottenville beach area.

I also might add, just to clarify, at the last open meeting the comments that were made regarding the location of the Hub were taken, and I believe were addressed that the site now that is seriously being considered is the one in Conference House Park. So I think that we can put that to rest.

THE AUDIENCE: Applause.

MR. GREENE: John Galarza.

MR. GALARZA: My name is John Galarza. I live on Fisher Avenue. I just want to say that it is a very bad idea to have the building at the bottom of Page Avenue, and it should be at the Conference
House. The access of the beach from Page Avenue and Hylan Boulevard, Bedell and Joline, you would need approximately 1,200 feet of sidewalk on each side of the street. It would cost a fortune for the City to put the sidewalks in to protect the people. If someone should get hit by a car, I just want to put the Governor's Office on notice. Also they would have to install a septic system which would not work too well down there, because we all have problems with our septic systems. At the Conference House they have City sewers, the elevation is much much higher than at the bottom of Page Avenue as well.

The Living Breakwaters would keep the water still on all of the houses, potentially there would be a smell in the water. All of the houses have gotten broken into over the past ten years. We all spent millions of dollars on our houses. I spend over $20,000 a year in property taxes. I am sure that everyone else is pretty close to that. We are constantly calling the Police Department and the Fire Department for beach
fires and kids grouping up social media, one turns into twenty, twenty turns into a hundred kids. Are they going to give funding to the Police Department and the Fire Department if they create this walkway along the beach?

Thank you.

MR. GREENE: Thank you everyone. If you have not had an opportunity to speak tonight, you can fill out the common card.

The hearing will remain open until 9:00 p.m., so if you would like to speak, you can fill out a common card.

We do have another speaker, Alan Benimorf.

MR. BENIMORF: Good evening, everyone. I

I just want to state that there is a one percent chance of a hurricane occurring in a year, you can have three in one year. There is a very low chance of it happening, but it could happen, and there is such a thing as a hurricane season.

The second thing I would like
to mention are the jetties. A jetty is two walls that goes across the harbor. This is to protect the harbor, and I do think that this is needed.

Thank you.

MR. GREENE: The time is now 8:25, we will keep the record open for another twenty-five minutes, until 9:00 p.m., if there is anyone else that would like to speak.

(Whereupon, at this time the record was left open for any further speakers.)

MR. GREENE: The time is now 9:00 p.m. I would like to thank everyone for coming this evening, and the record is now closed.

Thank you.

(Whereupon, at this time, 9:00 p.m., the hearing was concluded.)
CERTIFICATE

STATE OF NEW YORK )
      : SS.: 
COUNTY OF RICHMOND )

I, MARY ELLEN NICHOLSON, a Notary Public for and within the State of New York, do hereby certify:

That the witness whose examination is hereinbefore set forth was duly sworn and that such examination is a true record of the testimony given by that witness.

I further certify that I am not related to any of the parties to this action by blood or by marriage and that I am in no way interested in the outcome of this matter.

IN WITNESS WHEREOF, I have hereunto set my hand this 9th day of May, 2017.

Mary Ellen Nicholson

MARY ELLEN NICHOLSON
Daniel Greene  
General Counsel and Certifying Officer  
New York State Governor's Office of Storm Recovery  
25 Beaver Street  
New York, NY 10004

RE: Coastal and Social Resiliency Initiatives for Tottenville Shoreline, Staten Island, New York  
Essential Fish Habitat Assessment

Dear Mr. Greene:

We have reviewed the April 2017 essential fish habitat assessment (EFH) for the Coastal and Social Resiliency Initiatives for Tottenville Shoreline, Staten Island, New York. The project area consists of the southeastern coast of Staten Island and the adjacent waters of Raritan Bay. The preferred alternative for the project includes two components, the Living Breakwaters Project (Breakwaters Project) and the Tottenville Shoreline Protection Project (Shoreline Project), designed to reduce wave action and coastal erosion along the shoreline in Tottenville.

The Breakwaters Project was developed as part of the U.S. Department of Housing and Urban Development (HUD) sponsored design competition, Rebuild-by-Design, and consists of ten breakwaters placed 500 – 2100 ft from the shoreline, grouped into three sections by design type, totaling 3900 linear feet (lf). The total proposed breakwater footprint is 551,094 ft², or 12.7 acres, with 197,164 cubic yards (cy) of hard structure, including 150,685 cy below mean high water (MHW). Also proposed are a 30 ft x 50 ft seasonal floating dock and two 10 ft x 300 ft floating oyster nursery structures associated with the breakwater system, and an 8 ft x 210 ft seasonal shore-based floating dock. An additional five acres of benthic habitat will be impacted by augmentation with oyster spat-on-shell for oyster restoration as part of the associated Billion Oysters Project. The Breakwaters Project also includes a one-time sand placement, from an upland source, along 806 lf of shoreline with an area of 3.8 acres, including 2.0 acres below MHW.

The Shoreline Project includes shoreline restoration components such as an earthen berm, hybrid dune system, eco-revetment, a raised edge with a revetment, wetland enhancements, and landscaping with coastal plant species. All components are above mean high water (MHW) with the exception of a portion of the hybrid dune system and the bridge between the earthen berm and hybrid dune, which would be constructed within a 0.8-acre delineated tidal wetland.

*Magnuson Stevens Fisheries Management and Conservation Act (MSA)*  
The project area has been designated as EFH for a number of federally managed species.
including Atlantic butterfish (Peprilus triacanthus), Atlantic mackerel (Scomber scombrus), Atlantic sea herring (Clupea harengus), bluefish (Pomatomus saltatrix), black sea bass (Centropristis striata), clearnose skate (Raja eglanteria), cobia (Rachycentron canadum), king mackerel (Scomberomorus cavalla), little skate (Leucoraja erinacea), red hake (Urophycis chuss), scup (Stenotomus chrysops), Spanish mackerel (Scomberomorus maculatus), summer flounder (Paralichthys dentatus), windovpane flounder (Scophthalmus aquosus), winter flounder (Pseudopleuronectes americanus), and winter skate (Leucoraja ocellata).

The MSA requires federal agencies to consult on project such as this that may affect EFH adversely. This process is guided by the requirements of our EFH regulation at 50 CFR 600.905, which mandates the preparation of EFH assessments, lists the required contents of EFH assessments, and generally outlines each agency’s obligations in this consultation procedure.

The EFH final rule published in the Federal Register on January 17, 2002 defines an adverse effect as “any impact which reduces the quality and/or quantity of EFH” and further states that:

An adverse effect may include direct or indirect physical, chemical, or biological alterations of the waters or substrate and loss of, or injury to, benthic organisms, prey species and their habitat, and other ecosystems components, if such modifications reduce the quality and/or quantity of EFH. Adverse effects to EFH may result from action occurring within EFH or outside EFH and may include site-specific or habitat-wide impacts, including individual, cumulative, or synergistic consequences of actions.

The EFH assessment provided to us for this project does not evaluate fully how the project components, both individually and cumulatively, will affect federally managed species, their EFH, and the ecology of Raritan Bay. The construction of the breakwater system will result in a loss of 12.7 acres of benthic habitat in the bay. The surface area of the rock and concrete structures comprising the breakwater system was calculated as 28.3 acres of subtidal and 12.9 acres of intertidal rocky habitat. It is proposed that this will offset the loss of benthic habitat resulting from the breakwater construction. These values were calculated based on studies conducted in the project area and engineering design principles of breakwater structures, which estimated that 70% of the exposed surface area will be available as habitat for local aquatic biota. However, because 150,685 cy of rock and concrete will be placed below MHW for the construction of the breakwaters, the loss of volume of open water habitat above the substrate should also be considered an impact from the project. Additionally, because one of the goals of the breakwater system is to promote accretion of sediment between the breakwaters and the shore that area will eventually be lost as shallow water habitat for EFH species. Modeling of anticipated accretion would provide us with an estimate of the speed with which that will occur.

Several sampling events were conducted in 2015 to evaluate the fish and benthic communities (including shellfish) in the project area. Sampling was also conducted on nearby artificial structures to quantify the colonization of communities that are anticipated to grow on the proposed breakwater system. While the fish and benthic sampling protocol was extensive, it provides only a one-year “snapshot” of the community ecology of the area. The horseshoe crab sampling was coupled with ongoing community assessments to provide evidence that horseshoe crabs spawn on the beach portion of the project area. However, given the scope of the project as
well as the permanent impacts to the ecosystem, it is essential to provide a more comprehensive baseline assessment of the community ecology of the project area. To that end, we recommend additional sampling for 2017, preferably repeating some of the sampling protocol from 2015. We can work with your office to evaluate the most appropriate parts of the protocol to repeat for 2017.

The construction of the hybrid dune system and wetland bridge will permanently impact 0.17 acres of a 0.80-acre delineated tidal wetland. Modification of the inlet to the wetland to improve hydrology is proposed as an offset for the loss. However, additional details should be provided to demonstrate that the impacts to the wetlands have been avoided and minimized to the maximum extent practicable. In addition, information should be provided to demonstrate that the hydrologic modifications will enhance the existing wetlands and that these enhancements are sufficient to offset the permanent loss of aquatic habitat.

Because the EFH assessment provided for this project does not assess fully the adverse effects to EFH that will result from the construction of this project, we must consider the assessment to be incomplete. Based upon the scope of the project and the potential significant impacts to EFH and other aquatic resources that may result from its construction, an expanded EFH consultation as described in 50 CFR 600.920 (f) is warranted. An expanded consultation process allows the maximum opportunity for us to work together to review the action's impacts on EFH, and to develop EFH consultation recommendations. Under the expanded consultation procedures, we are allowed 60 calendar days to review, comment, and respond to the information that has been provided to us.

To initiate the expanded EFH consultation, a full and complete evaluation of the direct, indirect, individual and cumulative effects of the construction and operation of all of the project components on EFH should be provided. The required components of the EFH assessment include a description of the action; an analysis of the potential adverse effects of the action on EFH and the managed species; the federal agency's conclusions regarding the effects of the action on EFH; and proposed mitigation, if applicable. As part of the expanded consultation, the assessment should also include additional information such as results of on-site inspections, views of recognized experts, a review of pertinent literature, an analysis of alternatives and any other relevant information.

**Aquatic Resources in the Project Area**

**Shallow Water Habitats**
The shallow water habitats within the project area provide nursery and forage habitat for a variety of NOAA trust resources including alewife (*Alosa pseudoharengus*), American eel (*Anguilla rostrata*), Atlantic croaker (*Micropogonias undulatus*), Atlantic menhaden (*Brevoortia tyrannus*), spot (*Leiostomus xanthurus*), striped bass (*Morone saxatilis*), and weakfish (*Cynoscion regalis*), as well as federally managed species such as bluefish, summer flounder, and winter flounder. Important forage species such as mummichog (*Fundulus heteroclitus*), Atlantic silverside (*Menidia menidia*), inland silverside (*Menidia beryllina*), striped killifish (*Fundulus majalis*) and bay anchovy (*Anchoa mitchilli*) also use these areas. Mummichog, killifish, anchovies and other small fish and benthic organisms found in shallow water habitats provide a valuable food source for many of the commercially and recreationally valuable species.
mentioned above including red hake, scup, striped bass, summer flounder, weakfish, and windowpane flounder.

Shellfish
Shellfish such as hard clam (Mercenaria mercenaria), soft shell clam (Mya arenaria), blue crab (Callinectes sapidus), and horseshoe crab (Limulus polyphemus) occur in the project area. In addition to their commercial value, shellfish have an important ecological role in the Raritan Bay/Sandy Hook Bay complex. Coen and Grizzle (2007) discuss the ecological value of shellfish habitat to a variety of federally managed species and species managed by the Atlantic States Marine Fisheries Commission (e.g. winter flounder, American eel) and have suggested its designation as EFH for federally managed species. As filter feeders, bivalves play a role in improving water quality in the bays, and serve as a food source for a variety of fish that feed on their siphons. Infaunal species such as clams filter significant volumes of water, effectively retaining organic nutrients from the water column (Nakamura and Kerciku 2003; Forster and Zettler 2004). Clams are prey species for a number of federally managed fish including bluefish, skates, summer flounder, and windowpane, and siphons of hard clams provide a food source for winter flounder and scup in the Hudson-Raritan Estuary (Steimle et al. 2000).

Raritan Bay provides spawning, nursery, foraging, and overwintering habitat for blue crabs, which are commonly found in subtidal bottom habitats and are an important food resource for predatory fish and birds (Bain et al. 2007). Horseshoe crabs use multiple habitats along the shoreline of the project area, including subtidal bottoms, intertidal mudflats, and sandy beaches. They are a key food resource for a variety of estuarine organisms, and their eggs provide food for migrating red knots, a federally endangered bird (Botton et al. 2006).

Wetlands
Wetlands provide many important ecological functions including fish and wildlife habitat, food chain support, surface water retention or detention, groundwater recharge, and nutrient transformation, sediment retention and carbon sequestration. The primary production in wetlands forms the base of the food web that supports insects and forage fish that are then prey species for larger fish such as bluefish and summer flounder. Estuarine marshes and marsh creeks also provide habitat for a number of federally managed species and their prey. Wetland creeks are especially important habitat for juvenile summer flounder (Paralichthys dentatus).

Potential Project Impacts
Breakwaters Project
The construction of the Breakwaters Project will impact the habitat for a variety of NOAA trust resources through the conversion of unconsolidated bottom habitat into rocky, structural habitat. Some species may benefit from this habitat conversion, while others may be affected adversely. For example, the construction of the Breakwaters Project will result in the loss of EFH for winter flounder. Winter flounder enter into spawning areas within mid-Atlantic estuaries when water temperatures begin to decline in the fall. Tagging studies show that most return repeatedly to the same spawning grounds (Lobell 1939, Sailsa 1961, Grove 1982 in Collette and Klein-MacPhee 2002). Winter flounder typically spawn in the winter and early spring, although the exact timing is temperature dependent and thus varies with latitude (Able and Fahay 1998), however movement into these spawning areas may occur earlier, generally from mid- to late November.
through December (B. Phelan, personal communication 2014). Winter flounder have demersal eggs that sink and remain on the bottom until they hatch. After hatching, the larvae are initially planktonic, but following metamorphosis they assume an epibenthic existence. Winter flounder larvae are negatively buoyant (Pereira et al. 1999), and are typically more abundant near the bottom (Able and Fahay 1998). These life stages are less mobile and thus more likely to be adversely affected adversely by any impact to benthic habitat. The construction of the breakwater system will result in a permanent loss of winter flounder EFH associated with the footprint of the breakwater system, as well as an eventual loss of spawning habitat in the area between the breakwaters and mean low water on the beach due to sediment accretion.

As acknowledged in the EFH assessment, seasonal in-water work restrictions may be necessary to protect EFH and other NOAA trust resources. This includes a seasonal in-water work restriction from January 1 to May 31 for construction activities within EFH for winter flounder early life stages.

The placement of sand for beach nourishment on nesting beaches during horseshoe crab spawning season may adversely affect both the horseshoe crabs and the fish and shorebirds that depend upon them for food. A seasonal restriction on beach nourishment, as noted in the EFH assessment, may be necessary from April 15 to July 15 to protect horseshoe crab eggs and larvae.

**Shoreline Project**

The loss of wetlands as a result of this project could adversely affect EFH for a number of federally managed species through the loss of nursery, forage, and refuge habitat; the reduction in prey species; and primary production and water quality degradation from the reduction in sediment retention and pollution filtration. Vegetated wetlands are also considered to be special aquatic sites under the Clean Water Act. Because of their ecological value, impacts on these special aquatic sites should be avoided and minimized.

**Compensatory Mitigation**

As this project moves forward, additional information is needed on the impacts to aquatic habitats including open water and wetlands that would be lost permanently, impacted temporarily, or degraded as a result of this project. Depending upon the nature and scope of the impacts, compensatory mitigation may be needed to offset the loss of aquatic resource functions. If, through the review of a full and complete evaluation of the impacts of the proposed project, it is determined that compensatory mitigation is necessary, a mitigation plan should be developed in accordance with the federal final mitigation rules published in the Federal Register on April 10, 2008 (33 CFR Chapter 2 Part 332.4(b)) and provided to us for review. The plan should explain how the proposed compensatory mitigation will offset the impacts to shallow open-water habitat, wetlands, and EFH. It should also include performance measures, success criteria, and a long-term monitoring and maintenance plan. The site protection mechanism and long-term land steward should also be identified.

**Endangered Species Act**

Federal listed species including the threatened loggerhead (*Caretta caretta*), and the endangered Kemp's ridley (*Lepidochelys kempi*), green (*Chelonia mydas*) and leatherback (*Dermochelys coriacea*) sea turtles and Atlantic sturgeon (*Acipenser oxyrhynchus*) may be
present in the project area. Our Protected Resources Division has received your request for consultation on this project and will be providing comments separately. Questions regarding the status of their review should be directed to Edith Carson at (978) 282-8490 or edith.carson@noaa.gov.

**Conclusion**

As stated above, the EFH assessment provided for this project does not evaluate adequately all of the potential impacts to EFH that could result from the implementation of the proposed project. As the adverse effects of this project on EFH may be substantial, an expanded EFH consultation will be necessary so that site-specific EFH conservation recommendations may be developed. We look forward to our continued coordination with your office on this project as it moves forward. If you have any questions or need additional information, please do not hesitate to contact Ursula Howson at (732) 872-3116 or ursula.howson@noaa.gov.

Sincerely,

Karen Greene  
Mid-Atlantic Field Office Supervisor  

cc: NYD ACOE – S. Ryba  
PRD – D. Marrone, E. Carson  
NEFMC – T. Nies  
MAFMC – C. Moore  
ASMFC – L. Havel  
NY DEC – D. McReynolds  
EPA – S. Lamster  
NOAA NEPA
Literature Cited


Comments on Coastal and Social Resiliency Initiatives for Tottenville Shoreline DEIS

Land Use Chapter

- Please write out Waterfront Revitalization Program (WRP) in the first sentence (pg. 2-9).
- Zoning- “Because Conference House Park is not mapped as a Designated Open Space under the SSRD, the provisions of that special district also do not apply to the Proposed Actions.” The way this is depicted is not necessarily correct (the waterfront esplanade which is part of DOS is mapped along the boundaries of the Park). Please remove this sentence (pg.2-11).
- Please explain why you choose the study are you did. Is there a buffer from the project? Per CEQR section 310 in the Land Use Chapter, the study area should generally include at least the project site and the area within 400 feet of the site’s boundaries. Secondary impacts can occur within a radius of 0.25 to 0.5 miles from the site of a proposed project. If you’ve chosen differently please explain.
- Please discuss land use changes to areas within the study area other than park

WRP

1. Please provide the Flood Elevation Worksheet as a separate attachment to support the Policy 6.2 assessment.
2. In the response to Policy 6.2, please edit the following statement to specify the datum being used, and if the height of the Water Hub would be higher than the 2080s 1% flood elevation with the highest projections for SLR, or the 2080s projections for Mean Higher High Water: “The Water Hub facility at Potential Location 1 was designed as a pile-supported building with a floor elevation of +18 feet. At this height, the Water Hub would remain above the highest predictions for sea level rise through the 2080s and throughout its 50- year design life, and would not likely be susceptible to flooding.”
3. In the response to Policy 6.2, please see the following edit: “The Type B and C breakwaters would be sited to protect assets in sections of the shoreline that are most vulnerable to storm wave action; thus, these breakwaters would remain above the base flood elevation with up to 30 inches of sea level rise.”

Neighborhood Character

- Please refocus chapter to discuss neighborhood’s defining features. Per CEQR, “The discussion should focus on the major characteristics of the neighborhood and how they relate to the area's overall character, and should not merely repeat information about each of the contributing technical areas (e.g., land use, socioeconomics, etc.) found elsewhere in the environmental assessment.” It seems some of the information for this section is superfluous such as bus routes and historic resources (if this isn’t a defining feature).
- Please revisit conclusion: “no one defining feature would be considered critical to the character of the neighborhood; rather all the various localized features contribute to it.” Seems there is a lot of residential use and parkland in this area, would this not be a defining feature? Defer to your analysis.
- Is the two mile buffer the study area? Please clarify.
- Please refocus alternatives of neighborhood character to discuss how defining features of neighborhood character would be impacted per CEQR guidance (currently, it seems the sections explain the project’s impacts rather than impacts on neighborhood character)

Urban Design

- Please clearly define study boundary
May 26, 2017

Mr. Daniel Greene  
General Counsel and Certifying Officer  
NYS Governor’s Office of Storm Recovery  
25 Beaver Street, 5th Floor  
New York, NY 10004

Re: Coastal and Social Resiliency Initiatives for Tottenville Shoreline  
Draft Environmental Impact Statement

Dear Mr. Greene,

The Department of Environmental Conservation (DEC, the Department) has completed its review of the Draft Environmental Impact Statement (DEIS) which evaluates Coastal and Social Resiliency Initiatives for the Tottenville Shoreline.

Below, please find the Department’s comments on the DEIS to be considered in preparation of the Final Environmental Impact Statement (FEIS). We look forward to continued coordination with you and GOSR staff regarding the environmental review and permitting process for this project.

Sincerely,

[Signature]

Chris Lang  
Environmental Analyst

CC (via email):  
Steve Zahn, Regional Director  
Steve Watts, Permits  
Jeffrey Zappieri, NYS DOS
Corrections to Cited DEC Laws and Regulations

1. The DEIS cites the implementing regulations of the Freshwater Wetlands Act as 6 NYCRR Part 662. This citation must be changed to Part 663. Part 662 applied to the Department's issuance of interim permits prior to the filing of official freshwater wetlands maps. Part 663 contains the implementing regulations of the Freshwater Wetlands Act which are applicable to this project.

2. Lists of potential regulatory approvals, where applicable, should include a Beneficial Use Determination (BUD) under 6 NYCRR Part 360 relating to the potential re-use of excavated fill or material. This potential approval would be applicable to re-use of illegal fill material at Tricia Way. It would also be applicable for the re-use of any material excavated as part of overall construction of the TSPP. Many areas of Conference House Park are be considered to be fill based on historic images which show the area as marsh.

Any material imported to construct the elements of the TSPP would need to meet the Department's requirements as well. Source and quality of imported material can be coordinated with the Department as part of the permitting process.

3. Chapter 4 contains the Environmental Justice (EJ) analysis, and states that the "analysis will also be used by the New York State Department of Environmental Conservation (NYSDEC) in its environmental permit review process associated with the proposed permit actions and its application of the State Environmental Quality Review Act (SEQRA), and is required under CP-29, 'Environmental Justice and Permitting', which is the NYSDEC's policy on environmental justice."

While the Department will use this EJ information in the SEQRA process and has no comment on the analysis as presented in Chapter 4, it should be noted that DEC Commissioner's Policy 29 (CP-29) applies Environmental Justice protocols only when the Department processes the following permit types: State Pollutant Discharge Elimination System (Article 17), Air Pollution Control (Article 19), Solid Waste Management (Article 27), Industrial Hazardous Waste Management (Article 27), and Siting of Industrial Hazardous Waste Facilities (Article 27). None of these permit approvals are anticipated for the proposed actions, and thus it is unlikely that CP-29 would apply to the permitting process for the proposed actions.

While the proposed actions will require GP-0-15-002, the SPDES General Permit for Discharges from Construction Activity, CP-29 exempts general permits from the policy.
4. Section 9.2 lists all regulatory context items under "Federal", including those of New York State. This should be corrected so New York State jurisdictions are not characterized as "Federal".

5. Page 10-9 incorrectly cites ECL Article 36 as the statutory authority for 6 NYCRR Part 505. This particular reference should be changed to ECL Article 34.

6. Page 10-10 states that the proposed earthen berm and hybrid dune system are considered natural protective features under 6 NYCRR Part 505. The hybrid dune section of the TSPP does not meet the criteria to be designated a natural protective feature under 6 NYCRR Part 505. Part 505 defines that the principal component of a dune is sand, whereas the proposed hybrid dune structure is comprised of rock as well as earth/sand. Claims that the hybrid dune structure meets the criteria of a natural protective feature under Part 505 should be removed.

7. Page 17-22 references the anticipated approvals that may be needed if temporary construction dewatering is required. In addition to those listed for discharges, a Part 601 Water Withdrawal Permit from the Department would be required if the withdrawal of surface or groundwater will meet or exceed 100,000 gallons per day or would meet or exceed 3 million gallons during any 30-day period.

Comments – General

8. Oyster restoration is discussed throughout the DEIS at a conceptual level, and large-scale restoration is cited as a future goal and benefit of the proposed actions; however, the DEIS does not provide a sufficient level of analysis and discussion of the scope and scale of oyster restoration – both that which is proposed now, as part of the proposed actions outlined in the DEIS, or in possible future separate project efforts by any project stewards, including but not limited to the Billion Oyster Project. Thus, further detail should be provided in this regard.

The Department would like to point out that a supplemental EIS including further details and impact analysis will likely be required for future restoration efforts as they are not addressed in this document. Given the public health concerns raised by potential illegal harvest of shellfish from the uncertified waters of Raritan Bay and DEC’s compliance with the National Shellfish Sanitation Program (NSPP), coordination with the Department will be required to determine if appropriate security measures can be achieved for any oyster nurseries or restorations that would take place on or around the breakwaters. It is also unclear how potential oyster restoration would impact the existing sustainable hard clam beds and habitat in Raritan Bay, and this should be discussed.
9. The DEIS notes that the proposed actions would not result in significant adverse impacts to natural resources, and thus no mitigation is required. As previously discussed, DEC anticipates the need for compensatory mitigation due to the permanent loss of areas of marine habitat from the proposed actions, irrespective of the need for mitigation as defined by NEPA. The exact quantity and nature of mitigation of impacts would be developed in coordination with the Department as part of the permitting process.

10. Section 1.5.4 does not fully address periodic beach nourishment as a strategy to grow the beach and reduce risk from erosion. More detail should be provided about this potential alternative and how, coupled with other social and ecological measures, it would perform versus the preferred alternative.

11. The proposed “Shoreline Restoration” element requires further justification. Placement of 15,369 CY of sand below mean high water constitutes an adverse impact to the littoral zone wetlands, and based on the similar modeling performance in Appendix E of Scenarios 15 and the 30% Design Scenario, the DEIS is not clear as to why this project element is necessary to ensure the performance of the breakwaters. It is noted this placement of sand would protect the hybrid dune from erosion until this area accretes as a result of the breakwaters. Were any other interim protection strategies analyzed for the hybrid dune section in this area? Could the amount of sand placement be reduced?

12. Further information should be provided on ownership and management responsibility of both the TSPP and breakwater structures. For example, the proposed actions encourage public engagement with both structures. How will the public be managed in all the different proposed use scenarios?

The Project Resource Statement in Appendix D notes maintenance of the Living Breakwaters at a cost of $633,495 per year for 50 years. Who will ensure, and fund, maintenance to sustain structural integrity of the breakwater structures? In addition, maintenance responsibilities for the TSPP structures should be clarified.

Further coordination with the Department will be required to develop a detailed monitoring plan, which would include analysis of physical and ecological performance of the proposed actions.

13. The fish and benthic invertebrate sampling, as described by the DEIS and Natural Resource Appendix E utilizes a relatively short period of sampling to inform a broader, long-term analysis of how the breakwaters would impact these ecological communities. Single year sampling fails to account for inter-annual variability and changes in other environmental conditions. More justification is required to ensure that the conducted sampling is robust and informative enough to perform a long-term analysis. More detail should be provided regarding the potential for inter-annual variability and how that may affect a long-term analysis.
14. The document states that the proposed actions would have no impact to sturgeon. As described in Chapter 9 – Natural Resources (Page 9-89 and 9-90), they are known to utilize these waters during certain times of the year. Additional rationale is needed to support the DEIS’s claim that the proposed actions will not adversely affect sturgeon.

Additionally, the DEIS should include more detailed analysis of the breakwaters’ effect to Essential Fish Habitat (EFH) (Pages 9-82 and 9-83). The loss of 12.7 acres of sandy benthic habitat would adversely affect bottom-feeding fish (such as winter flounder) which feed on the abundant hard clams, polychaetes, and amphipods currently in the benthos. Thus, the breakwaters would not universally benefit all EFH species as is stated on Page 9-83 and this analysis should be expanded upon.

15. Page 156 of Appendix E Part 3 appears to show incorrect formulas (Section 5.4.4.8). Percent difference between standard and observed dissolved oxygen readings should be \((\text{DO}_{\text{obs}}-\text{DO}_{\text{std}})/\text{DO}_{\text{std}} \times 100\) (shown formula is missing “x 100”). The same is true for section 5.4.5.10 (Page 158) for calculating percent difference in conductivity readings. \((\text{C}_{\text{obs}}-\text{C}_{\text{std}})/\text{C}_{\text{std}} \times 100\). Please include charts which compare observed water quality data to existing standards.

16. The Natural Resource Appendix (Appendix E, pages 452-459) contains conflicting statements regarding the occurrence and/or utilization of Raritan Bay by multiple fish species:

   a. Page 452: states that alewife are a pelagic species and that neither spawning nor nursery habitat occurs within Raritan Bay. In fact, river herring have been confirmed to occur in the Raritan Bay drainage area, and a juvenile alewife was recorded in the July seine survey. The statement that the breakwaters may provide habitat for alewife prey species requires additional justification, given that they are open water swimmers that feed upon zooplankton.

   b. Page 453: states that American eel can occur in Raritan Bay year-round, but also that neither spawning nor nursery habitat for American eel occurs within Raritan Bay. It should be noted that the Department has found that glass eels and elvers occur in tributaries of Raritan Bay. There is likely to be some loss of habitat for this species due to construction of the breakwaters.

   c. Page 453: states that American shad can occur in Raritan Bay and were observed during sampling, but the Hudson River is noted as the only spawning location. It is possible that the Hudson is not the only area where shad spawn, and there will definitely be a loss of useful sand and gravel habitat areas due to construction of the breakwaters. The EIS also states there is an important shad fishery. In fact, commercial and
recreational fishing for American shad is prohibited in both the NY Marine and Coastal District, and on the Hudson River.

d. Page 454: states that Atlantic menhaden can occur in Raritan Bay year-round, and that larvae and juveniles use estuarine areas. However, the DEIS also states that menhaden are pelagic and neither spawning nor nursery habitat occurs within Raritan Bay. Yet, small (30 – 55mm) “peanut bunker” were found in the July fish surveys.

e. Page 455-456: although blueback herring was not observed in Raritan Bay during the sampling period, statements are made that they can occur in Raritan Bay, and that juveniles spend time in estuarine waters. However, the DEIS also states that diadromous fish species (blueback herring): “are pelagic and neither spawning nor nursery habitat occurs within Raritan Bay”.

f. Page 459: states that striped bass “are pelagic and neither spawning nor nursery habitat occurs within Raritan Bay”. However, sub-adult striped bass were found in the seine surveys. The DEIS also states that juveniles move into higher salinity waters as they grow. Not all adults migrate, and further justification needs to be provided to support that adults would not be found in the Bay when they are not spawning.

These references and descriptions should be corrected to accurately reflect these observations and the results of sampling.

17. Potential Location 1 for the Water Hub may require installation of a septic tank. Installation of a Water Hub, and all its accessory elements (septic tank, parking lot, etc.) would need to comply with the tidal wetlands development restrictions in 6 NYCRR Part 661.6 (a). With specific regard to septic systems, the restrictions require any septic system be set back a minimum of 100’ from the most landward edge of any tidal wetland, and there must be two feet of soil between the bottom of a septic tank and the seasonal high groundwater level, rock, hardpan, or other impermeable materials. These development restrictions must be taken into account if a septic tank is to be installed at Proposed Water Hub Location 1, at either of the location (Page East or Page West) options.

18. Pages 8-4 and 9-71 describe results of the soil boring investigation performed for the area of illegal fill at Tricia Way to be removed. At GOSR’s request, the Department previously reviewed this report. Discussion in the DEIS should be clarified regarding the soil sampling results. The DEIS states that there were no exceedances of soil cleanup objectives (SCOs) for protection of groundwater or residential use. However, the report showed exceedances of groundwater SCO for acetone. While acetone is a typical laboratory contaminant which gets detected in samples and is generally dismissed as such, this should be clarified to accurately depict the results.

Additionally, the DEIS does not mention that there were exceedances of the unrestricted SCO for the metals lead and nickel, as well as the pesticide DDT
and its metabolites DDE and DDD. The DEIS also fails to note that borings were not taken, and thus material was not characterized, from areas within the Surf Avenue right-of-way, which comprises the majority of the area of fill to be removed. The Report on Soil Investigation, prepared by Preferred Environmental Services dated August 2016, should be included as an Appendix.

19. The DEIS references a 30-inch sea level rise (SLR) scenario as being used in project modeling and analysis, and is based on New York City Panel on Climate Change (NPCC) projections for the 2050s to 2080s timeframe (Page 1-9). However, it is not clear where this projection falls with respect to the magnitude percentile of projections. Without such discussion, it is hard to evaluate the full context of the project with respect to SLR. Please consider adding this information to fully elaborate on the 30-inch SLR scenario and where it falls with respect to timeframe and percentile.

Furthermore, Page 1-9 should include a reference to the New York State Community Risk and Resiliency Act and the official NYS SLR projections, found in 6 NYCRR Part 490. CRRA is mentioned in Chapter 15, however NYS SLR projections are not. The DEIS should note where the 30-inch SLR scenario falls with respect to NYS projections, in both timeframe and percentile.

Project Comments – Breakwaters

20. Page 9-79 states that “local, small-scale changes in water circulation, water quality, and sediment transport could increase local retention of planktonic invertebrates and fish larvae and their subsequent recruitment to the breakwaters…” Use of the word “increase” should be edited to “change” since these studies were not done in regards to this specific site and breakwater design. Expected changes in water circulation, and the subsequent effects, should be explained in further detail.

Furthermore, Chapter 9 – Natural Resources should more fully explain how changes to longshore processes and down drift impacts due to installation of the breakwaters could affect natural resources (i.e., through excessive accretion and/or erosion in particular areas or patterns, changes in ecological community composition over time, etc.). This should include analysis for both short and long-term timeframes, as the breakwaters are designed to change the hydrodynamics of a sizeable portion of shoreline and shallow water habitat.

21. Section 17.3.3 discusses general construction tasks involved with the proposed actions. Construction of the breakwater system is to be accomplished by barge. According to Figure 9-12, eight of the ten breakwater structures would be located in waters less than 6’ deep at mean low water levels, and the Type A structures appear to be located in waters ranging from only 2’ to 4.5’ deep at mean low water levels. The DEIS notes as an impact minimization measure that 2 feet of clearance from the bottom of the Bay would be maintained, or work would only
be conducted at tide levels sufficient to keep barges and vessels off the Bay floor.

The Department is concerned that the draft depths of barges – or tug boats transporting the barges – used for breakwater construction would result in bottoming out on the Bay floor. This constructability concern should be discussed, by evaluating what the potential draft depths will be and how this may affect logistics of construction and what environmental impacts it may have. If tidal cycles are going to affect construction schedules (if work couldn’t be conducted at low tide due to insufficient depth), this should be evaluated and considered in construction timelines. Irrespective of whether bottoming out is anticipated, barges will still be extremely close to the Bay floor. Due to tidal cycles, wave action, and/or overloading of barges, contact with the Bay floor may be unavoidable. Additional coordination with DEC as part of the permitting process will be required to ensure that impacts from barges are avoided, minimized, or mitigated for as part of the construction.

22. The design of the breakwaters shows “core stone” surrounded by geotextile layers as forming the core of the breakwaters. Additional discussion should be provided surrounding the stability of these stones, and the proposed armor stone, in the face of various storm scenarios. Given the large fetch in Raritan Bay and its exposure to nor’easters, there is potential for rock to move or become dislodged during a storm if not adequately sized or engineered.

23. The proposed project includes a 1,500 square foot floating dock installed adjacent to the Type C eastern breakwaters to “facilitate monitoring and research activities.” The need for a dock of this size is not fully justified in the DEIS. How many vessels will utilize the dock at any given time? In the event of a storm, how will the dock be secured? How will the design prevent the dock from hitting submerged breakwater sections? The full intended use of this dock should be further explained and justified. Were any other alternatives to a dock (i.e., temporary mooring for research vessels) analyzed?

24. The breakwaters have the potential to attract seals as a haul out site, particularly in the winter months. The DEIS recognizes that harbor seals can be found hauling out on the Staten Island shoreline, and that harp seals commonly occur at nearby Sandy Hook, NJ (Page 9-48). Discussion and analysis should be provided as to any potential effects (with regard to both ecology and public recreation around the breakwaters) of seals being attracted to the structures.

25. The DEIS notes that Chapter 6 – Urban Design and Visual Resources was prepared in compliance with DEC’s memorandum DEP-00-2 Assessing and Mitigating Visual Impacts (“memo”). Page 6-3 of the DEIS states that per DEP-00-2, ‘an ‘impact’ would occur when there is a detrimental effect on an aesthetic resource that interferes with or reduces the public’s enjoyment of a resource and when the mitigating effects of perspective, such as vegetation, distance, and
atmospheric perspective or other designed mitigation, do not reduce the visibility of a project to insignificant levels."

This singular given definition is a combination of definitions given in DEP-00-2 for "aesthetic impact" (memo Pg. 9), "visual impact" (memo Pg. 10), and "significant aesthetic impact" (memo Pg. 5), which are all separate phenomena. The definition of "impact" on Page 6-3 of the DEIS should either be revised or clarified to align with DEP-00-2 and DEC's definition and guidance on visual and aesthetic impacts. The most notable implication of this clarification is that aesthetic impact occurs when there is a detrimental effect on the perceived beauty of any place or structure; the stated definition in the DEIS only references inventoried resources as triggering impacts.

26. Page 6-16 notes that the views of the breakwaters are "similar to the context of existing views of the land masses that can be seen from the current viewer vantage points. Therefore, these project components would not affect views toward the waterfront and Raritan Bay..." This description does not seem to accurately describe potential impacts to views and aesthetic resources, as the breakwaters present visual elements which would be completely new and unique to users of Conference House Park and residents of Tottenville.

While Chapter 6 includes a variety of renderings and figures depicting the views of the area with and without the proposed project(s), the DEIS lacks a visual depiction of a larger portion of the breakwaters project since the most breakwater segments included in any visual rendering is three. Eight to ten breakwater segments would be visible from most vantage points along the shoreline. More detail, and additional visual depictions, regarding the breakwaters and the aesthetic and visual impacts of the structures, specifically with regard to overall views of Raritan Bay should be included.

27. The Department has concerns surrounding the seasonally deployed, temporary floating dock to be located at the Water Hub, particularly at Potential Location 1 (Page Avenue). This is a structure of substantial size (210' long, 8' wide), and would be located within a Coastal Erosion Hazard Area and be subject to the wave action and currents of Raritan Bay. How would this structure be anchored to the bottom of the Bay (Page 1-16)? Please provide more information surrounding how visitors and researchers would access the floating dock, and whether the dock would be removed prior to large storm events – and who would be responsible for doing so. The structure would be vulnerable to wave action and damage since it is not protected by the breakwaters. Also, Figures 1-10 and 1-11 call the structure a "boat launch from shore", which conflicts with other DEIS descriptions as a floating dock.

This project element would need to be further developed in coordination with the Department as part of the permitting process.
Project Comments – Tottenville Shoreline Protection Plan (TSPP)

28. The DEIS does not address the proposed enhancement of the 0.8-acre delineated wetland through the installation of tidal sluice gates in any detail. It is not clear how such a system would function, how it may affect beach use, or what ecological benefits, if any, might be realized. Adding any hardened structure to wetlands, in this case the bridge and “nodes”, has an adverse impact due to footprint, and generally, avoiding damage and disturbance to an existing, functional wetland is preferred to enhancement or restoration.

More detail on this project element must be provided. Additionally, design specifics of a tidal sluice gate, the wetland bridge, and transition node(s) in this area would be developed in coordination with the Department as part of the permitting process.

29. Page 9-70 describes a trail on the “Raised Edge” revetment comprised of “a top layer of either porous rubber pavement or porous resin bond aggregate pavement.” While DEC is always interested in new pervious materials, we are concerned about friability, functionality, maintenance requirements, lifespan, and contaminant leaching from proposed surface materials in the tidal wetlands adjacent areas and coastal erosion hazard areas. Additional information about these materials should be provided, including examples of their previous use in similar locations with exposure to salt water. As porous rubber is made from recycled tires, it may be possible for contaminants to leach into soil and sand. Resin pavement has a tendency to clog, in which case blown sand could end up on the street. Also, the proposed materials need a subsurface, such as gravel or concrete, as well as perimeter curbs, and more detailed information about all these components would be helpful in understanding these potential effects.

30. Figure 1-19 shows a walking path adjacent to the hybrid dune. It would be helpful to have more details about this walking path, including where it would be routed in the hybrid dune section of the TSPP and what materials would be used for its surface. Proposed pathways could be located within tidal wetlands adjacent areas and/or coastal erosion hazard areas, and design of their surface materials and placement would be further coordinated with the Department as part of the permitting process.

31. The construction phase of the project will have immediate impacts on four reptiles and amphibians that are listed by New York State as endangered, threatened, or of concern and have the “potential to occur within the study area” (Page 9-57). This list includes the eastern mud turtle, eastern fence lizard, eastern box turtle, and southern leopard frog. These animals will be driven away from the project area and may not find suitable substitute habitat. Care should be taken during breeding and early life stages, which occur in warm weather months, to avoid unnecessary impacts to these species.
Further, the construction of hardened shoreline structures such as the ecor- revetment, the hybrid dune, and the raised edge will eliminate corridors and accessibility between upland and shoreline for both species of turtle. The DEIS states (Page 9-91) that the eastern mud turtle will remain approximately 250 feet from the project limits of disturbance and that the eastern box turtle could be present only near the proposed earthen berm; however, these species are known to migrate south to mid-Atlantic states on ocean currents and need access to the shoreline to do so. During construction, successful relocation of animals that attempt to migrate through the construction site, despite silt fencing, is dependent on workers sighting the animal and acting proactively. Measures should be taken to ensure workers are aware of these concerns should they see reptiles or amphibians within the project site.

32. Please provide specifics regarding the overall size of footprint (including square footage within tidal wetland adjacent area) and seaward revetment slope of the “Raised Edge” portion of the TSPP.

33. While the DEIS recognizes that coastal flooding would occur with or without the proposed actions, the DEIS does not contain discussion as to whether the TSPP would affect interior drainage of stormwater in any way. A discussion should be included as to how this project will or will not affect interior drainage characteristics of the area.

34. It is well documented that reveted structures can create erosion problems for immediately adjacent areas of shoreline. Further explanation is required regarding how the reveted portions of the TSPP will not promote erosion on the adjacent shoreline areas.
May 10, 2017

Mr. Daniel Greene
General Counsel and Certifying Officer
25 Beaver Street
New York, NY  10004

Re: Comments on Draft Environmental Impact Statement - Raritan Bay Living Breakwaters Project and Tottenville Shoreline Protection Project
Staten Island, Richmond County, New York

Dear Mr. Greene:

The New York State Department of State has conducted a preliminary review of the Draft Environmental Impact Statement (DEIS) for the above-referenced projects.

Project Understanding
The Governor’s Office of Storm Recovery (GOSR) is undertaking an environmental review to analyze potential impacts of the Living Breakwaters Project (Breakwaters Project) and Tottenville Shoreline Protection Project (Shoreline Project). These Proposed Actions are intended to work in tandem to provide a layered resiliency approach to promote risk reduction through erosion prevention, wave energy attenuation, and enhancement of ecosystems and social resiliency along the Tottenville shoreline of the South Shore of Staten Island, New York.

- The Breakwaters Project proposes:
  o Breakwaters
  o A seasonally-deployed floating boat launch
  o A seasonal or permanent floating dock (permanent, if at Potential Location 2)
  o Floating oyster nursery
  o Water Hub building and/or pavilion, including associated parking and storage facilities

- The Shoreline Project proposes:
  o Earthen berm, hybrid dune system, eco-revetment, and raised edge
  o Wetland bridge
  o Network of auxiliary paths and ramps and transition node structures including a pedestrian bridge and two overlooks

The DEIS analyzes the future with and without the Proposed Actions using 30 percent design scenarios by the project build year of 2020. Future conditions were modeled in consideration of up to 30 inches of sea level rise and for varying storm conditions. The breakwaters were designed with a target functional design life of 50 years. All design options for the Water Hub facility would be above the highest predictions for sea level rise through 2080s and throughout its 50-year design life.
Project Longevity and Basis of Design

In Section 1.4 on page 1-9, the DEIS references the New York City Panel on Climate Change (NPCC) projections for the 2050s to the 2080s timeframe. This is an outdated local projection that has been superseded by 6 NYCRR Part 490 (see http://www.dec.ny.gov/regulations/103877.html) for major projects in New York State. Part 490 is not binding on this project but is recommended best practice. The Department recommends either using Part 490 or providing an explanation for why Part 490, which is the current standard for planning and design, is not being used. Furthermore, essential infrastructure that protects urban life safety should be designed for at least a 100-year effective life span. If the purpose is not life safety but erosion reduction, infrastructure should be designed to function based on current sea level rise projections.

The Projects propose innovative designs, and due to their novelty, there are uncertainties associated with long-term coastal hazard reduction performance. The Department recommends that the design (or service) life of the Projects be clearly stated in the Project Purpose, Section 1.3.1. Clarifying how long the Projects are anticipated to function is critical to adequately and accurately monitoring performance.

As the Projects reach the end of their design life, more information should be provided regarding their adaptability to either be enhanced to extend their functionality or be repurposed to meet other (possibly similar) goals and functions. For example, the breakwaters represent relatively large in-water structures, which pose challenges with respect to maintenance and longevity. What measures can be taken to ensure the breakwaters continue to reduce coastal hazard risks and provide diverse habitats even as the concrete’s durability lessens over time?

The Department requests additional consideration on the following design components:

- **Breakwaters:** The breakwaters would be rubble mound structures made of a combination of hard stone and biologically enhanced concrete armor units. Concrete has a lower specific gravity than most rock, therefore it is more buoyant. As a result, either the concrete has to be enhanced to be as stable as the rock (how does the concrete mixture achieve this), or the concrete has to be anchored (how will this be done). Please clarify how the concrete will remain in place.

  The weight of the armor stone needs to be greater than the wave forces breaking on the structure in all conditions. Is the size of the armor stone adequate to ensure the structure’s stability? The D50 size noted on Figure 1-7 appears to be smaller in comparison to rock used for projects, such as jetties, in other locations around the outside of the Harbor.

- **Dune system:** The proposed hybrid dune system would be a planted “dune” with a reinforced rock core extending approximately 1,160 linear feet along the shoreline. A dune and a beach operate as a system where the adjacent features dissipate wave energy and exchange sand. A solid core structure that cannot exchange significant quantities of sand with the beach is not a dune. It is either a revetment or a seawall, or a combination of both. On the outside, the hybrid dune system will look like a natural dune, but over time may function very differently. Additionally, if the Projects are implemented in tandem, the DEIS models demonstrate that this would result in accretion and increase beach width. Implementing both Projects could off-set the sand loss and long-term maintenance concerns that were identified as shortcomings of the “dune without stone core” alternative on page 1-24. Therefore, the Department requests that consideration be given to removing the inner rock core, and instead establishing a natural dune system that can function dynamically with the beach and shoreline over time.

  If the solid core is not removed from the structure, we prefer that it be called a hybrid revetment. The Department is not opposed to protective structures where they are necessary to defend
infrastructure that has no effective safety option from non-structural measures; however, unless it is free to exchange the full volume as sand to the beach, move over time with wind and beach conditions, and re-grow when the beach is wide, it should not be referred to as a dune.

- **Eco-revetment and Raised Edge:** Provide additional justification regarding the stability of the materials and habitat and whether these would be substantial enough to resist waves. Could these features be eroded at the toe of slope or sink into the sand with high water events? Also, in Figure 1-20, what is the large structure extending out into the water on which the woman is standing, and how many of these structures are proposed?

- **Flooding risk:** Many components of the Projects would increase land elevations. Explain whether the new project elements have the potential to trap water inland and exacerbate localized flooding and property damage during a storm surge.

- **Subsidence:** Please clarify whether the proposed design has accounted for subsidence once these structures are constructed. The breakwaters, hybrid dune system and eco-revetment contain a significant amount of rock and concrete that would be anticipated to compact the substrate beneath. Both naturally and artificially-induced subsidence, if significant, could decrease the elevation of these structures and compromise the ability of the Projects to achieve the stated coastal protection goals.

- **Navigation:** On page 1-13, the Breakwaters System paragraph states: “Additionally, the vast majority of the breakwater structures would be located more than 1,500 feet from the Federal Navigation Channel with one breakwater segment located more than 700 feet from the channel.” It is unclear whether 700 feet is the minimum clearance to the breakwaters. Although the channel is low speed and confined, vessels do not always stay on course and could damage the breakwaters.

- **New Jersey Waters:** A portion of the eastern-most breakwaters appears to extend into New Jersey waters and coordination with New Jersey officials may be necessary.

**Development Potential**

Land uses in the study area are characterized in the DEIS as a mix of parkland and residential uses with some privately-owned vacant parcels, particularly east of Sprague Avenue to Page Avenue, that represent developable land in the 100-year floodplain (1% Annual Chance Flood Hazard). The DEIS states that implementing the Proposed Actions would reduce the risk of property damage from wave action and erosion and could increase the desirability of the neighborhood as well as reduce costs associated with investing in resiliency measures at individual properties. These factors have the potential to encourage development in the coastal zone, and the Department requests that the analysis of the Proposed Actions’ potential to attract development within the coastal zone be expanded specifically as it relates to reasonably foreseeable coastal effects, Policy 1 of the New York City’s Waterfront Revitalization Program (NYCWRP), and Policy 13 of the New York State Coastal Management Program (NYCMP). We recognize that these lands are unlikely to be developed by the build year (i.e., 2020), but should be analyzed as either “projected” or “potential” sites that are more likely to be developed as a result of the Proposed Actions (see CEQR Technical Manual, Chapter 2, Section 423. Determining a Reasonable Amount of Future Development).

**Open Space and Recreation**

An Open Space and Recreation analysis was not included in the DEIS. City parkland is the primary land use within the study area and the Proposed Actions have the potential to affect recreational use. It should
be noted that the Construction impacts analysis included a discussion of recreational resources. The scoping document stated that an Open Space and Recreation analysis was not warranted; however, this contradicts the Transportation section of the scoping document, which states that “[t]he level of visitation for the beachfront and adjacent parkland may increase as a result of the Proposed Actions, as an improved shoreline could make the beachfront more attractive for recreational use.” Given the potential increase in visitation rates, the Department believes an Open Space and Recreation analysis is warranted. Moreover, information including but not limited to existing visitor rates, parking, surfing, fishing, swimming, and recreational boating as well as an assessment of potential changes to open space and recreational resources under the future with the Proposed Actions are anticipated to be needed for the Department’s pending consistency review.

The DEIS states that the seasonal floating dock would provide water-based access to the breakwaters for observation, monitoring, maintenance, and stewardship of the floating oyster nursery and breakwaters. Furthermore, the “Adjacent Artificial Habitat Survey Report” included in Appendix E – Natural Resources states that fishing activities and associated debris were noted around hard structures in the area. Encouraging oyster and shellfish colonization of the breakwaters advances restoration objectives for the Hudson-Raritan Estuary and there are obvious complimentary aspects of the breakwaters to recreational fishing. These activities would be expected to increase after the breakwaters are constructed. To ensure there would be no significant displacement of recreational boating and fishing opportunities, the Department requests further assessment on the existing and future demand for recreational boating and fishing in the project area and information on whether use restrictions could be imposed to prevent illegal shellfish harvesting.

While unrelated to open space, the Department also requests further assessment of the potential impact to commercial maritime traffic (e.g., barge or local boat traffic). The DEIS provides no information on the existing level of maritime activity outside the navigation channels and it is not possible to determine whether there would be a use conflict.

**Natural Resources**

The issue of habitat replacement does not appear to be thoroughly analyzed in the DEIS. A habitat tradeoff analysis is needed to evaluate lost habitat values versus the new breakwater habitat values. It may also be beneficial to highlight the restorative benefits of the project in promoting the return of habitats, such as oyster beds, that once flourished in this area.

Due to water quality conditions, the waters off Staten Island are not open to shellfish harvest. Despite this, the Breakwaters Project would promote the colonization of oysters and over time could create an attractive nuisance. There is a potential for contaminated shellfish to be illegally harvested from the breakwaters and pose a public health threat due to the ease of access to water created by the proposed boat launch and dock and the proximity of the breakwaters to shore. Measures to secure the breakwaters and oyster nursery from illegal harvesting or other tampering should be provided.

Additionally, the “Adjacent Artificial Habitat Survey Report” included in Appendix E – Natural Resources states on Page 29, “During the design phase this aspect of recreational fishing activity will need to addressed, in terms of reducing the risk of fishing debris to the developing biological communities, the potential impact of selective fishing on different species, and the safety of users.” The Department requests an analysis of potential fishing impacts to fishes and other estuarine communities attracted to the breakwaters.

**Archeological Resources**

The DEIS states that limited portions of the upland areas were determined to possess moderate sensitivity for pre-contact archaeological resources and moderate sensitivity for historic period archaeological
resources. A Phase 1B archaeological investigation was recommended for those areas of archaeological sensitivity and would be completed along with any additional archaeological investigations prior to construction. Please note that the Department will need to review the findings of and consultations associated with subsequent archeological investigations as part of our federal consistency review process.

**Monitoring and Adaptive Management**
The DEIS identifies that a post-construction monitoring and adaptive management plan will be prepared and implemented to assess the structural integrity and condition of breakwater structures, their effectiveness at attenuating storm waves and reducing shoreline erosion, along with establishing what corrective measures may be needed should an issue arise and when such corrective measures should be implemented. A copy of this plan should be provided to the Department as part of its consistency review.

**Maintenance**
The Proposed Actions include a number of temporary and permanent structures in the coastal zone. The Department would appreciate additional assurances that these structures will be maintained and protected once constructed and, where possible, have been designed to be self-sustaining to minimize future long-term management responsibilities. The DEIS states that the land within the study area is primarily under the jurisdiction of New York City Department of Parks and Recreation (NYCDPR) and that operation of the Water Hub would be shared between NYCDPR and the New York Harbor Foundation. Details on anticipated maintenance requirements were not provided, which are important to understanding how the coastal zone within the project area would look and function over time if the Proposed Actions are undertaken. Therefore, the Department requests the following clarifications for each proposed structure and improvement:

1. Identify the owner and, if different, the party responsible for installation, operation and maintenance;
2. Describe routine maintenance that may be required and the frequency with which it should be undertaken;
3. Describe safeguards to secure the structure(s) during severe weather events;
4. Estimate life expectancy or design life and measures to increase durability; and
5. Explain what would be done when the project elements have exceeded their design life (e.g., removal, reinforce/rebuild).

The Department recommends detailing the anticipated maintenance requirements in the aforementioned Monitoring and Adaptive Management Plan. In the plan, please also describe the potential for debris accumulation along the breakwaters and shoreline structures and how debris removal and disposal would be undertaken.

**Appendix B: Coastal Management Program Assessment**
It is our understanding that the Proposed Actions represent a Federal funding action pursuant to 15 CFR Part 930 Subpart F and additional review by the Department will be required when Federal permits are sought. Below are preliminary comments on the consistency assessment provided in the DEIS, which are in addition to the comments detailed above.

1. Substantive details on natural resources and technical aspects are missing; however these are in large part provided in the DEIS. References to the respective DEIS sections should be included to ensure the Department is able to locate pertinent information to complete its review.
2. Verify whether action by the Federal Emergency Management Agency is needed.
3. New York City Waterfront Revitalization Program Consistency Assessment Form
   a. Policy 1: Please review for applicability with Proposed Actions.
   b. Policy 3.3: Please review for applicability with Proposed Actions.
   c. Policy 5.3: Wetland disturbance and enhancement is included in the Proposed Actions and should be described. In particular, provide additional detail on the portion of the 0.8-
acre tidal wetland that would be enhanced by increasing tidal exchange (e.g., tidal sluice
gates). Are new tide gates proposed or existing gates being rehabilitated?

d. Policy 6.3: A 3.8-acre area was selected for one-time shoreline restoration between
Loretto Street and Manhattan Street. Given that this is one of the most erosion-prone
beach areas in the site, what siting and design standards were employed and what
provisions would be in place to maximize the longevity of this design feature?

e. For Policy 10.2, additional studies are required to determine whether the Proposed
Actions are consistent.

4. Federal Consistency Assessment Form
a. Policy 13: The consistency assessment describes how the Breakwaters Project would be
consistent with this policy. However, many components of the Shoreline Project would
also be characterized as erosion protection structures. The consistency assessment should
also address whether the Shoreline Project would have a reasonable probability of
controlling erosion for at least thirty years. Additionally, provide assurances for long-
term maintenance for each of the Proposed Actions.

We look forward to coordinating with GOSR throughout the environmental review process and our
federal consistency review process.

Sincerely,

Jeffrey Zappieri, Manager
Federal Consistency Review
Office of Planning and Development

cc: Steven Zahn, NYSDEC Region 2
    Susan McCormick, NYSDEC
    Michael Marrella, NYC DCP
HUD Comments on the Notice of Availability (NOA) of the Coastal and Social Resiliency Initiatives for Tottenville Shoreline, Staten Island, NY (Living Breakwaters and Tottenville Shoreline Protection Projects) Draft Environmental Impact Statement (DEIS) -

Chapter 12 - Transportation
Are there public transit options to get to the Water Hub or Shoreline Project? There is some discussion in Greenhouse Gas Emissions Chapter, however no mention in the Transportation Chapter.

Chapter 8 – Hazardous Materials
Could there be issues with disturbing PCB sedimentation in the water? There is no discussion in this chapter at all, however it discussed minimally in the Natural Resources and Construction Chapters.

Chapter 9 – Natural Resources
Wetlands –
While the Early Public Notice of the Floodplains and Wetlands 8-Step Analysis was provided to HUD, there is no reference to the analysis in the DEIS.

Endangered Species -
Were USFWS and NOAA consulted with for threatened and endangered species? The statement that there are no significant adverse impacts to terrestrial or aquatic species is made without an “effects” determination and not supported by a concurrence from USFWS or NOAA that mitigation and avoidance measures are acceptable to avoid adverse impacts.

Chapter 10 – Floodplains and CEHA
While the Early Public Notice of the Floodplains and Wetlands 8-Step Analysis was provided to HUD, there is no reference to the analysis in the DEIS.

Chapter 21 - Indirect and Cumulative Impacts

- There is inconsistency in detail of impacts and discussion on construction impacts. Impacts during construction are selectively discussed. For example, the threatened and endangered species and aquatic resources impacts are always discussed as long term positive benefits, but there is no discussion of short term impacts during in-water construction. While for noise the discuss short term impacts during construction are discussed in detail, but not the long-term benefits.

- There is a lack of discussion on cumulative impacts from the subject project and other projects in the area (for example the USACE Hudson Raritan Estuary (HRE)) that limits a complete analysis of cumulative impacts.

- There is no discussion about short term impacts during construction for in-water work for breakwaters. There will be short term negative impacts to species and wetlands, but long term cumulative impacts that are cited as positive. Recommend discussing both the short term and long term benefits in greater detail.

- Are there long-term cumulative positive benefits of alternatives on greenhouse gas and air quality? Construction impacts are discussed but there is no discussion on cumulative long term
benefits such as preservation of maritime forest contributes to alleviating greenhouse gas emissions through continued carbon dioxide sequestration.

- The USACE Hudson Raritan Estuary (HRE) projects increase recreational, educational and public access. Both HRE and this project complement each other in that regard, and yet the cumulative long-term beneficial impacts are not discussed in socioeconomics.

- What level of coordination exists between NYGOSR and USACOE and other agencies implementing projects?

Chapter 23 - Irreversible and Irretrievable Commitment of Resources
There is no discussion of impacts on wetlands and floodplain, the Natural Resources and Floodplains and CEHA Chapters include a discussion of temporary impacts during construction.
May 8, 2017

9043.1
ER 17/0139

Mr. Daniel Greene
Governor’s Office of Storm Recovery
25 Beaver Street, 5th Floor
New York, NY 10004

RE: Comments
Draft Environmental Impact Statement (DEIS)
Coastal and Social Resiliency Initiatives for Tottenville Shoreline
Borough of Staten Island, Richmond County, New York, NY

Dear Mr. Greene:

The U.S. Department of the Interior has reviewed the Governor’s Office of Storm Recovery (GOSR) Draft Environmental Impact Statement (DEIS) for the Coastal and Social Resiliency Initiatives for Tottenville Shoreline, Staten Island, New York, dated March 17, 2017. The GOSR is acting under the auspices of the New York State Homes and Community Renewal’s Housing Trust Fund Corporation (HTFC), and under authority of the U.S. Department of Housing and Urban Development’s (HUD) regulations at Code of Federal Regulations (CFR) § 58.2(a)(7)(i) as the Responsible Entity, and as the lead agency responsible for environmental review, decision-making, and action under 42 U.S.C § 5304(g) for the preparation of this DEIS.

The Department’s U.S. Fish and Wildlife Service (Service) is providing our comments on the DEIS pursuant to, and in accordance with, provisions of the National Environmental Policy Act (42 U.S.C. 4321 et seq.), the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.), the Migratory Bird Treaty Act (MBTA) (40 Stat. 755; 16 U.S.C. 703-712), the Fish and Wildlife Coordination Act (FWCA) (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.). Our goal is to assist the GOSR in further reducing the impacts of the project on fish and wildlife resources and in the design of ecological enhancements, and restoration goals and monitoring.

Project Description

Two coastal resiliency initiatives are proposed including the Living Breakwaters Project (Breakwaters Project) and Tottenville Shoreline Protection Project (Shoreline Project). The two
projects would largely be funded through New York State’s Community Development Block Grant-Disaster Recovery (CDBG-DR) grant through the HUD. The proposed Breakwaters Project is a layered resiliency approach to promote risk reduction through erosion prevention, wave energy attenuation, and enhancement of ecosystems and social resiliency. The proposed Shoreline Project includes a series of shoreline risk reduction measures, including an earthen berm, a hardened dune system, an eco-revetment, raised edge (revetment with trail), wetland enhancement, and shoreline plantings.

Federally-Listed Endangered, Threatened, and Concern Species

Federal agencies have responsibilities under section 7(a)(2) of the ESA to consult with the Service regarding projects that may affect federally-listed species or designated critical habitat. The DEIS notes that the GOSR will initiate consultation under section 7 of the ESA following publication of the DEIS. We note that shoreline restoration and the installation of breakwaters will likely increase the width of the beach in the project area. Wider beaches may attract nesting or migratory shorebirds including the piping plover (*Charadrius melodus*) and/or red knot (*Calidris canutus*). Piping plovers nest on beaches in the nearby area at Sandy Hook, New Jersey, and Breezy Point, New York, and red knots have been documented on other beaches and coastal areas on Staten Island and Jamaica Bay, New York. Measures to address the possibility of listed shorebird use in the project area will be discussed with the GOSR when consultation is initiated.

Migratory Birds

The DEIS identifies a number of migratory and probable breeding bird species within the study area. The installation of the earthen berm, hybrid dunes, eco-revetment, raised edge, and water hub will occur in maritime beach and dune, successional forest, and southern hardwood habitats that may support these nesting or migratory birds. The DEIS indicates the construction of the earthen berm will be scheduled outside the early May through July primary bird-breeding season, when many species of birds are still nesting, to the extent practicable. However, we encourage work in these areas, particularly tree-cutting, should be avoided from April 1 to August 31 in any given year. We recommend that the GOSR coordinate with the Service on monitoring and surveys that may support tree cutting from May to July, as proposed. These surveys would be focused on the presence of active nests, eggs, or young in trees targeted for removal. In the event that active nests, eggs, or young were not present, then tree cutting could potentially commence during the April 1 to August 31 window.

Wetlands and Estuarine Environment

The installation of the breakwaters will adversely impact 12.7 acres (ac) of estuarine, subtidal, unconsolidated bottom. The installation of the breakwater structures would result in the replacement of 12.7 ac of subtidal and sand gravel aquatic habitat with subtidal, intertidal, and emergent hard/rocky habitat composed of rock and bio-enhancing concrete of varying sizes. We recommend that GOSR coordinate with the New York State Department of Environmental Conservation to ascertain whether mitigation is appropriate for conversion of habitats in this area.
The proposed project also includes the installation of a path and bridge to connect the earthen berm to the proposed hybrid dunes. The installation of these project elements will cause a loss of 0.24 ac of a 0.8 ac unmapped tidal wetland. To mitigate for this loss, GOSR proposes to enhance the remaining 0.56 ac of this wetland, by increasing tidal exchange. Two thirds of the wetland is reportedly dominated by common reed (*Phragmites* spp.) (including the impacted area), and the increase in tidal flow is expected to restore a more natural wetland community. The DEIS does not specifically address how increased tidal exchange would be achieved or how successful mitigation would be measured or monitored.

**Invertebrates**

Invertebrates are an important food resource for shorebirds, waterfowl, waders, etc., and are a pathway for bioaccumulation of contaminants, if present. Due to the proximity of the living breakwaters and the proposed oyster nursery to the Arthur Kill, there is concern that oyster restoration may not be successful at this location due to contaminants. Wintermyer and Cooper (2003) studied the effects of dioxin and dioxin-like compounds on egg development and fertilization of the eastern oyster (*Crassostrea virginica*) and evaluated the potential for restoring oyster populations in the New York/New Jersey Harbor area. The two study sites were located in Newark Bay and the Arthur Kill. The study found that dioxins, furans, and polychlorinated biphenyls (PCB) were still bioavailable in Newark Bay and that 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) impaired gonadal development, egg viability, and larval production in oysters transplanted into the Arthur Kill. The authors concluded that, due to the documented adverse effects of these compounds on the oyster, restoration efforts in Newark Bay and the Arthur Kill were unlikely to result in successful recruitment of oysters in these areas.

Time did not allow for an exhaustive review of all appendices describing the sediment and contaminant analyses summarized in Chapter 9 of the DEIS. However, the results presented in this chapter indicate the presence of some of the aforementioned contaminants in sediments and/or clam tissue within the study area. The GOSR may consider if further analyses or characterization of contaminants are needed to determine if the project may increase chemical exposure to fish and wildlife species found in, or may be attracted to, the project area.

Horseshoe crabs (*Limulus polyphemus*) and horseshoe crab eggs have been documented at beaches within the study area. The DEIS proposes to avoid construction and sand placement between Manhattan Street and Loretto Street during peak spawning season (late May to early June). The DEIS also anticipates that sand placement would be avoided early January through late May to avoid spawning winter flounder. This additional restriction would also benefit horseshoe crabs. We support these time-of-year restrictions. To further minimize impacts to horseshoe crabs, the sand used for shoreline restoration and the construction of the hybrid dunes should match the existing sand (grain size, shape, texture, etc.) so that it is suitable for spawning horseshoe crabs and for the timely recovery of other benthic invertebrates.

**Native Plantings**

The DEIS states that native coastal plant species will be used for the Shoreline Project and Water Hub elements of the projects. We support this ecologically beneficial component of the project.
We note that for successful establishment of native plants at the project location and for the maximum benefit to pollinator species, it is best to use genetically-diverse and locally-sourced plants for plantings.

**Coastal Habitats**

There are two potential locations discussed in the DEIS for the proposed Water Hub. ‘Potential Location 1’ would require the construction of a new 5,000-square-feet (sq ft) facility and 35,500 sq ft of site improvements, including a parking lot, landscaping, and other elements. ‘Potential Location 2’ would reuse one of two already-existing structures. Overall, to reduce the impacts of the project on native habitats, location of the Water Hub should be assessed to avoid additional buildings and parking lots in existing natural areas, and consideration should be given to the potential reuse of previously developed sites not prone to flooding.

In terms of recreational water access points, we support adding water access to the existing pavilion instead of building ramps that would require the removal of trees at the Biddle House or Rutan-Beckett House, and the use of a temporary floating dock instead of a permanent or year-round structure.

**Adaptive Management**

A monitoring plan should be included in the referenced adaptive management plan to evaluate the success of and potential modifications to these resiliency projects as they relate to natural resources. Adaptive management should also include a corrective management plan should any proposed mitigation not achieve its intended purpose.

Thank you for the opportunity to review and comment on this project. The Service will continue to be available to assist the GOSR in its efforts to implement an environmentally sensitive project. If you have questions regarding these comments, please contact Kerri Dikun at 631-286-0485. Please contact me at (617) 223-8565 if I can be of further assistance.

Sincerely,

Andrew L. Raddant
Regional Environmental Officer

**References**

Mr. Daniel Greene  
General Counsel  
New York State Governor’s Office of Storm Recovery  
25 Beaver Street, 5th Floor  
New York, NY 10004

Dear Mr. Greene:

In accordance with our responsibilities under the National Environmental Policy Act (NEPA) and Section 309 of the Clean Air Act, the U.S. Environmental Protection Agency has reviewed the Draft Environmental Impact Statement (DEIS) for the Coastal and Social Resiliency Initiative for the Tottenville Shoreline project (CEQ # 20170043).

BACKGROUND

The document was prepared by the State of New York, Governor’s Office of Storm Recovery (GOSR), serving under the auspices of New York State Homes and Community Renewal’s Housing Trust Fund Corporation, and acting under authority of the U.S. Department of Housing and Urban Development (HUD).

The proposed effort includes both the Living Breakwaters Project and the Tottenville Shoreline Protection Project. Both projects have independent merits, however they are located in the same geographic area and are intended to be implemented simultaneously to maximize resiliency of the shoreline. The Breakwaters project was awarded $60 million through HUD’s Rebuild by Design (RBD) competition. Approximately $9.3 million of Community Development Block Grant-Disaster Recovery (CDBG-DR) funds from the NY Rising Community Reconstruction Program will be used to implement this project.

On October 29, 2012, Super Storm Sandy made landfall in New York. The combination of storm surge, winds and rain resulted in significant destruction to the city’s coastline. Homes, businesses, and critical infrastructure were damaged. These impacts were particularly intense in neighborhoods across Southern Queens, Southern Brooklyn, and the East and South Shores of Staten Island. The storm resulted in 44 deaths in New York City. Twenty-three of those deaths occurred in Staten Island. Tottenville was hit particularly hard with many homes destroyed and businesses sustaining significant structural damage. The storm highlighted deficiencies in the area’s resiliency and ability to adequately protect its residents and infrastructure from future major storm events.
The impacts of the storm were exacerbated by the fact that the shore was once buffered from wave action by a wide, shallow bathymetric shelf, known as the “West Bank” until the mid-19th century. Oyster reefs and oyster beds covered much of Raritan Bay, providing protection from storm surge, filtering water, and enhancing the biodiversity of the Bay. The ecosystem degrading during the 19th and 20th centuries as land use changes and population increases resulted in water quality degradation. The proposed breakwaters will serve the dual function of reducing wave energy and beach erosion, while simultaneously creating a hard/structured marine habitat that may increase the diversity of the aquatic habitat consistent with the historic Hudson-Raritan Estuary including oyster reefs, fish, and shellfish habitat. The Shoreline Protection component of the project will combine earthen berms, hybrid dunes, eco-revetments, and a revetment and trail with transitions to connect the project elements, to create a shoreline that can withstand storm wave action and overtopping of shoreline structures, and to be resilient to sea level rise of 30 inches.

The EPA believes that the proposed project, on the whole, will provide improvement by reducing impacts from major storm events. There are a number of ways in which the DEIS can be enhanced as an analytical document so as to more thoroughly evaluate and communicate the potential impacts associated with the project which are discussed below.

**COMMENTS**

**Natural Resources**

Throughout the DEIS, GOSR maintains that adverse impacts to threatened, endangered, or Essential Fish Habitat (EFH) listed species are unlikely to occur. The document is unclear, however, about the potential impacts associated with construction of the breakwaters to both the species and habitat in the project area. The document states that GOSR has not yet initiated consultation under either the Endangered Species Act or the Magnuson-Stevens Fishery Conservation and Management Act (for EFH), however there are statements throughout the DEIS that imply that the Fish and Wildlife Service and National Marine Fisheries Service (Services) have concurred with GOSR’s determination that the project will not impact listed species or EFH. This is largely due to the terminology used throughout the document, which applies specific terms used in the ESA and EFH regulation in vague and unspecific ways.

Specifically, the DEIS states on page 9-56, “The Governor’s Office of Storm Recovery (GOSR) will initiate consultation under Section 7 of the Endangered Species Act following publication of the DEIS.” However, the document proceeds to make statements about impacts to various listed species that are misleading, as they imply that consultation has already occurred. For example, page 9-89 states, “the 12.7 acres of displaced nearshore [Atlantic sturgeon] habitat may affect but is unlikely to adversely affect this species.” This statement appears to be stating that this action is not likely to adversely affect (NLAA) the species, however an NLAA determination can only be made in concurrence with the Services. The statement should be clarified to say that GOSR expects that the action will result in an NLAA determination, but this is pending concurrence from the Service(s) under Section 7 of the Endangered Species Act. Similar language is repeated throughout Chapter 9.
The Cumulative Effects section of the document similarly states that the project will have beneficial impacts on listed species; however, without completion of consultation, this statement is misleading. Further, even positive effects require consultation and concurrence. Only “No Effects” determinations can be made without consultation with the Service(s). Page 9-83 in the Natural Resources chapter states, “Given the increase in habitat complexity and diversity that will benefit EFH species, Alternative 2 would not result in substantial adverse effects on EFH.” Again, without an EFH consultation, this statement is misleading. There are inherent habitat trade-offs that will occur as a result of the construction of the breakwater for winter flounder and other EFH and ESA listed species. There is a level of uncertainty regarding the species that the breakwaters will attract and in what abundance, as well as the amount of time that will be required for the breakwaters to be colonized to optimal levels. Broad statements regarding the impacts of the project, such as these, minimize the uncertainty associated with the potential beneficial impacts this project may have on the ecosystem of the Raritan Bay.

**Breakwater Ecosystem**

Figure 9-12 shows that the proposed potential location of the oyster nursery structure is located on the landward side of Type C breakwater. The breakwaters are designed to help reduce coastal erosion by increasing sedimentation. They will alter sediment transport along the shore for the purpose of attenuating waves. In doing so, it is unclear how the increased sedimentation that will occur between the breakwaters and the shoreline could impact the oyster nursery. Oysters are susceptible to impacts from increased sedimentation and could potentially experience a decreased ability to reproduce due to changes in sedimentation rates. This should be clarified in the Final EIS.

Page 20-4 states that one of the proposed actions to minimize adverse impacts to natural resources includes the “Development of a post-construction monitoring plan in consultation with NYSDEC, National Marine Fisheries Service (NMFS) and USACE to assess use of breakwaters segments by target species groups and fish and benthic communities adjacent to the breakwaters structures.” This is an essential element for this project and future living breakwater projects. Given the uncertainty of what species will colonize the breakwaters and how long the structures will take to be colonized, the monitoring plan will be used to guide the development of future similar projects and in guiding the continued management of this project. EPA encourages the inclusion of details of the monitoring plan in the FEIS to the extent possible.

**Air Quality**

The Air Quality section of the Construction impacts (Chapter 17) explains the methodology used to evaluate the applicability of General Conformity to the project. In general, the approach as described for estimating emissions is appropriate, employing the latest EPA models. However, the report does not appear to be explicit about some key inputs, therefore the analysis cannot be reproduced. The following are not specified: the type, age and size of equipment and engines, the assumed activity (operating hours or miles traveled), and emission and load factors used. These details are necessary to demonstrate a complete evaluation.
The general conformity applicability analysis should assess the total direct and indirect emissions from the proposed action. This includes applicable construction related emissions and operation related emissions. While Section 13.5.2 notes that Chapter 17 includes aggregate emissions from both construction and operation, the results presented in Chapter 17 (Tables 17-5, 17-10, and 17-14) only reference construction emissions. Chapter 13’s air quality analysis includes operational emissions from the Water Hub’s heating and hot water systems and some indirect emissions associated with vehicles. These emissions and the construction emissions should be included in the conformity analysis. It is unclear whether they are.

Cumulative Effects

Cumulative effects can include time crowding, space crowding, cross-boundary, fragmentation, compounding effect, indirect effects, and triggers and thresholds (see CEQ 1997 – “Considering Cumulative Effects Under the National Environmental Policy Act”). This section needs substantial elaboration as it does not provide a detailed quantitative analysis of past, present, and reasonably foreseeable projects. Page 21-5 provides a list of some of the actions within or in proximity of the study area, however, there isn’t a substantive discussion of how the projects could contribute to cumulative impacts of the proposed action. Additionally, as mentioned earlier, the cumulative impacts section downplays the potential negative impacts the project could have on threatened, endangered and EFH listed species.

The combined impacts of the shoreline protection component and the breakwaters will provide enhanced protection to the coastal area between Conference House Park and Page Avenue; however, there should be a discussion within the Indirect and Cumulative Effects chapter regarding any potential wave action or flooding impacts from redirected storm surge to areas surrounding the project footprint, and any impacts to the waters between the shoreline and the breakwaters. Given that the purpose of the breakwaters is to increase sedimentation rates, it is difficult to see how there could simultaneously be increased sedimentation rates and no cumulative or indirect effects to the area between the shoreline and the breakwater structures. Though there are pieces of information addressing this concern throughout the document, indirect impacts associated with the project should be readdressed in this section.

Water Hub

EPA commends GOSR’s commitment to meet LEED standards if possible for the Water Hub. We are including EPA’s Green Recommendation’s Guide as a reference to demonstrate ways that the carbon footprint of the project can be reduced. EPA recommends the inclusion of specific details of either the design elements, or reuse approach for the Water Hub in the FEIS to the greatest extent possible.
RATING

Thank you for the opportunity to comment on the DEIS for the Coastal and Social Resiliency Initiative for Tottenville Shoreline project. EPA rates the DEIS an EC-2, or “Environmental Concerns – Insufficient Information.” Our comments on the DEIS contained in this letter are intended to help GOSR by providing useful information that will ultimately inform local, state and federal decision-making and review related to land use and impacts. Should you have any questions regarding the comments and concerns detailed in this letter, please feel free to contact Stephanie Lamster of my staff at 212-637-3465.

Sincerely,

Judy-Ann Mitchell, Chief
Sustainability and Multimedia Programs Branch
Clean Air and Sustainability Division

Enclosure
EPA Region 2 Green Recommendations

To the maximum extent possible, project managers are encouraged to utilize local and recycled materials; to recycle materials generated onsite; and to utilize technologies and fuels that minimize greenhouse gas emissions.

Further, to the extent feasible, renewable energy (including, but not limited to solar, wind, geothermal, biogas, and biomass) and energy-efficient technologies should be incorporated into the design, construction, and operation of all types of projects.

To that end, the following information and internet hyperlinks are provided for your consideration and use:

- **Multi-media green building and land design practices**
  Utilize green building practices which have multi-media benefits, including energy efficiency, water conservation (see WaterSense below), and healthy indoor air quality. Apply building rating systems and no-cost online tools and guides, such as ENERGY STAR, Portfolio Manager, Target Finder, Indoor Air Quality Package, and WaterSense for building construction. The ENERGY STAR website (see below) includes, among other things, information on new single-family homes, multi-family homes, commercial and other buildings, and schools. The website also provides an ENERGY STAR “Training Center” free of charge.


  ENERGY STAR home page: [http://www.energystar.gov](http://www.energystar.gov)

  ENERGY STAR Target Finder (no-cost online tool to set energy performance targets): [http://www.energystar.gov/targetfinder](http://www.energystar.gov/targetfinder)

  Indoor Air Quality: [http://www.epa.gov/iaq](http://www.epa.gov/iaq)

- **Water conservation and efficiency in building construction and rehabilitation**
  Utilize sustainable water infrastructure. As aging drinking water, wastewater and stormwater systems require significant upgrade and repair, it has become one of the biggest challenges facing the water sector. The investments made now in water sector infrastructure can have profound impacts on long term community sustainability. Please see the following link on sustainable water infrastructure: [https://www.epa.gov/sustainable-water-infrastructure](https://www.epa.gov/sustainable-water-infrastructure)

  Promote water conservation and efficiency through the use of water efficient products in building construction/rehabilitation (e.g., toilets, faucets, showerheads) and practices. For new building construction and restoration projects, we recommend considering the use of products with the WaterSense label where appropriate. Devices receiving the EPA WaterSense label must be at least 20% more water efficient than (and must meet or exceed the performance standards of) non-labeled devices of the same type. Additionally, when possible, consider the use of WaterSense Certified Professional Irrigation Partners and WaterSense Builder Partners. These professionals use WaterSense labeled devices where appropriate, are trained in the latest water conservation practices, and use the latest water efficiency tools and technologies, including irrigation equipment and xeriscaping for landscaping and best management practices for construction in the WaterSense New Home Specifications. Visit the WaterSense website for tips on water efficiency, a WaterSense labeled product search tool, a list of WaterSense Partners, access to the Water Budget Tool at: [http://www.epa.gov/watersense/](http://www.epa.gov/watersense/)
In addition to using WaterSense labeled products and certified professionals, there are many water conservation strategies and best management practices that can be used in new construction and/or restoration. Here are some useful links on water conservation and efficiency:

- Whole Building Design Guide:  
  http://www.wbdg.org/resources/water_conservation.php

- Alliance for Water Efficiency:  
  http://www.allianceforwaterefficiency.org/

- Water Use It Wisely – 100 Ways to Conserve:  

- **Green Building in Federal Agency Projects**  
The *Federal Green Construction Guide for Specifiers* includes helpful information for procuring green building products and construction/renovation services within the Federal government:  
http://www.wbdg.org/design/greenspec.php

- **Safer Choice**  
The ingredients of products containing the Safer Choice label have been evaluated by EPA scientists. Products designed for homes and businesses, schools and overall community that carry the Safer Choice label must meet requirements for the following: safer ingredients; performance; packaging; ingredient disclosure; pH; and Volatile Organic Compounds. General information on the Safer Choice label can be found at https://www.epa.gov/saferchoice. To search for products that meet the Safer Choice standard please see: https://www.epa.gov/saferchoice/products

Municipalities use chemical products for many activities (such as road, vehicle and building maintenance) that can pose a threat to water quality. Practices and procedures should include the use of Safer Choice products in order to, for instance, reduce the volume and toxicity of chemicals that can be discharged into local waterways.

- **Use Environmentally Preferable Purchasing**  
Promote markets for environmentally preferable products by referencing EPA’s multi-attribute Environmentally Preferable Purchasing guidance. Products and services include: Building and Construction, Carpets, Cleaning, Electronics, Fleets, Food Services, Landscaping, Meetings and Conferences, Office Supplies, and Paper.  
http://www.epa.gov/epp

- **Purchase ‘green’ electronics, and measure their benefits**  
Require the purchase of desktop computers, monitors, and laptops that are registered as Silver or Gold products with EPEAT, the Electronics Product Environmental Assessment Tool at www.epeat.net. Products registered with EPEAT use less energy, are easier to recycle, and can be more easily upgraded than non-registered products. Energy savings, CO₂ emission reductions, and other environmental benefits achieved by the purchase, use and recycling of EPEAT-registered products can be quantified using the Electronics Environmental Benefits Calculator:  
http://isse.utk.edu/ccp/projects/benefitscalculator/elecbenecalc.html

http://www.energystar.gov/products

- **Consider Low Impact Development and Green Infrastructure to help manage stormwater**  
Low Impact Development (LID) is an approach to land development (or re-development) that works with nature to manage stormwater as close to its source as possible. LID employs principles such
as preserving and recreating natural landscape features, minimizing effective imperviousness to create functional and appealing site drainage that treat stormwater as a resource rather than a waste product.

Implement site planning, design, construction, and maintenance strategies to maintain or restore, to the maximum extent technically feasible, the predevelopment hydrology of the building site with regard to the temperature, rate, volume, and duration of flow.

Additional information:
Green infrastructure: http://www.epa.gov/green-infrastructure
Soak Up the Rain Resource Index: https://www.epa.gov/soakuptherain/soak-rain-resource-index
National Stormwater Calculator: http://www.epa.gov/nrmrl/wswrd/wq/models/swc/

- **Evaluate sustainable stormwater management at brownfield sites**
  Consider designs for stormwater management on compacted, contaminated soils in dense urban areas:

  Additional information:
  https://www.epa.gov/soakuptherain/soak-rain-resource-index#Brownfields

- **Alternative and Renewable Energy**
The Department of Energy’s “Green Power Network” (GPN) provides information and markets that can be used to supply alternative generated electricity. The following link identifies several suppliers of renewable energy:

  Additional information:
  http://apps3.eere.energy.gov/greenpower/buying/buying_power.shtml?

- **Clean Diesel**

  Implement diesel controls, cleaner fuel, and cleaner construction practices for on-road and off-road equipment used for transportation, soil movement, or other construction activities, including:
  - Strategies and technologies that reduce unnecessary idling, including auxiliary power units, the use of electric equipment, and strict enforcement of idling limits; and
  - Use of clean diesel through add-on control technologies like diesel particulate filters and diesel oxidation catalysts, repowers, or newer, cleaner equipment.
  For more information on diesel emission controls in construction projects, please see: http://www.northeastdiesel.org/pdf/NEDC-Construction-Contract-Spec.pdf

- **Utilizing recycled materials in construction projects**
  Many industrial and construction byproducts are available for use in road, building or infrastructure construction. Use of these materials can save money and reduce environmental impacts. The Recycled Materials Resource Center has developed user guidelines for many recycled materials and compiled existing national specifications.

  Additional information: http://rmrc.wisc.edu
  http://www.fhwa.dot.gov/pavement/recycling/rectools.cfm
- **Greening demolition projects**  

- **Encourage cost-efficient, environmentally friendly landscaping**  
  There are many benefits to making greener landscaping choices. For additional information, please see the following website:  
  [http://www2.epa.gov/greenerproducts/identifying-greener-landscaping-choices](http://www2.epa.gov/greenerproducts/identifying-greener-landscaping-choices)

- **Incorporate on-site energy generation and energy efficient equipment upgrades into projects at drinking water and wastewater treatment facilities**  
  Consider using captured biogases in combined heat and power systems, and renewable energy (wind, solar, etc.) to generate energy for use on-site. Evaluate the potential energy savings associated with upgrading to more energy efficient equipment (pumps, motors, lighting, etc.).  
  Additional information:  
  [http://water.epa.gov/infrastructure/sustain/goinggreen.cfm](http://water.epa.gov/infrastructure/sustain/goinggreen.cfm)  
  [http://www.epa.gov/region9/waterinfrastructure/howto.html](http://www.epa.gov/region9/waterinfrastructure/howto.html)

- **Incorporate green practices into remediation of contaminated sites**  
  Encourage or incentivize the use of green remediation practices, including designing treatment systems with optimum energy efficiency; use of passive energy technologies such as bio-remediation and phyto-remediation; use of renewable energy to meet power demands of energy-intensive treatment systems or auxiliary equipment; use of cleaner fuels, machinery, and vehicles; use of native plant species; and minimizing waste and water use.  
  Additional information:  
  [http://cluin.org/greenremediation/index.cfm](http://cluin.org/greenremediation/index.cfm)

- **Encourage development in brownfield sites**  
  Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. These sites are often “infrastructure-ready,” eliminating the need to build new roads and utility lines which are necessary in undeveloped land.  
  Additional information:  
  [http://www.epa.gov/brownfields/](http://www.epa.gov/brownfields/)

- **Encourage use of Smart Growth and transit-oriented development principles**  
  Smart Growth and transit oriented development (TOD) principles help preserve natural lands and critical environmental areas, and protect water and air quality by encouraging developments that are mixed-use, walkable and located near public transit. Encourage use of bicycling with bike commuter parking, storage, and changing facilities. Facilitate increased carpooling or alternative vehicles with preferable parking spaces and/or electric vehicle plug in spots.  
  Additional information:  
  [http://www.epa.gov/smartgrowth](http://www.epa.gov/smartgrowth)

- **Integrated Design Process**  
  The Integrated Design Process calls for the active and continuing engagement of all stakeholders throughout the building design, development, construction, and post-construction phases including the owners, architects, engineers, building department officials, and others. This process creates a higher-performing building at lower cost, allows various building systems to work together to eliminate redundant and unnecessary capacity, and minimizes change order costs.  
  Additional information:  
  [http://www.wbdg.org/design/engage_process.php](http://www.wbdg.org/design/engage_process.php)
Good evening, Thank you for affording me the opportunity to lend my voice to this process.

I'm Pamela Pettyjohn, Founder and President of Coney Island Beautification Project, Inc. and like our neighbors on Staten Island we were negatively affected by the devastation of Hurricane Irene, several nor 'easterners and most of all super storm Sandy. During a presentation in Coney Island by the Governor's Office of Storm Recovery we realized the geographic similarity via our connective waterways. Much of Sandys' destruction manifested itself through Coney Island Creek which raised to flood the CI peninsula. The entrance to CI Creek is at the Atlantic Ocean, the ocean which forms the shoreline of SI.

My organizations' mission is the same as the aim of the residents of SI. Locally CIBP organized events to highlight environmental importance of the waterways on the community. We also outreach and partner with area waterway advocacy groups.

After learning of HUD's Rebuild by Design community-based competition, I volunteered and was accepted to join the SI design team. Hooray! Staten Island Living Breakwaters Project was a winner.

We concur with the other voices in support of the DEIS as we move toward the final EIS. Of great importance I must spotlight the educational components of the report and applaud the public access and student participation portion.

Finally, I must acknowledge the great significance of the community's welcoming partnership in this process.

Thank you for your attention.
Dear people, thank you for all your work and effort, to issue the DEIS, Living Breakwaters, Tottenville, SI, NY

Overall, we support the project, it's ambitious and promising

Our comments are as follows: While we understand the purpose and need for the project, we don't understand why there is no emphasis on land acquisition for flood buffering in the project area. There are numerous private parcels along Manhattan Ave that should be acquired for flood plain management, omission of acquisition is a big mistake. The Final EIS needs to have one-sixth of the total project funds for flood plain parcel acquisition, the project will have a greater chance for success.

Also, why is there little or no mention of the septic system daily discharge into the waters of Raritan Bay, at the project area?
These septic systems are maintained by the homeowners, not emptied on a regular basis. Instead, sewage bubbles out of lawn and curb areas, rolls down the street, mixes with excessive poisonous pesticides, and discharges fluids that are harmful to the marine environment, especially harmful to oysters.

Why does the DEIS omit enforcement of septic system discharge?
We request that before you spend millions on Oysters reefs, that you utilize the law, to get enforcement of water quality improvement, so the 'Living Breakwaters' has a better chance to succeed.

We respectfully request that you amend the DEIS to include State buyout of flood plain parcels, and/or work with NYC DEP to expand the Bluebelt in the affected area.

Also, to ensure the success of the project, with millions at stake, you amend the Final EIS to catalog the properties with Septic Systems, and work with DOB and DEP to get connection to sewer mains, instead of the current, unregulated disgusting discharge of fecal matter into the street, and then it flows to the Bay.

We request written answer to our comments. Thank you.

Natural Resources Protective Association PO Box 050328 Staten Island, NY, 10305

James Scarcella
jsmarineexp@gmail.com
718-873-4291

Sent from my iPhone
May 5, 2017

Governor’s Office of Storm Recovery
25 Beaver Street, 5th Floor
New York, NY 10004

Re: Coastal and Social Resiliency Initiatives for Tottenville Shoreline Draft Environmental Impact Statement (Draft EIS)

Governor’s Office of Storm Recovery:

Please accept these comments on behalf of NY/NJ Baykeeper. Since 1989, NY/NJ Baykeeper has been working to protect, preserve and restore the Hudson-Raritan Estuary. Our staff has been working with the Rebuild by Design team on various monitoring projects related to the Living Breakwaters Protection Project.

We thank you for your efforts to increase physical, ecological, and social resiliency in an area that desperately needs it. The Living Breakwaters Protection Project will restore critical ecosystem habitat, improve resiliency and water quality and bring increased recreational use of our shared waters. Superstorm Sandy significantly impacted the project area, highlighting a need for resiliency projects that will protect populations and facilities from coastal storms. We support the efforts and the restoration opportunities recommended in the Draft EIS.

Sincerely,

Meredith Comi
Restoration Program Director
meredith@nynjbaykeeper.org
To Whom it may concern,

My name is Robert Abdenour. I live at 14 Ottavio Promenade. I have been living here for about 10 months. In the last ten months I have seen and been apart of a lot of incidences. Starting with last summer a fifty five year old black women walked off the beach naked past my house while my 10 year old son and I were standing there. A few weeks later my girlfriend’s daughter decided to take a walk on the beach and stepped on what appeared to be someones previous barbeque she received third degree burns. Christmas time my neighbor’s car was broken into then stolen, and regularly kids walk past my house to the beach to drink, have sex; or use the beach as a bathroom. Why do I say this? There is evidence. 50 cans of bear, condoms, and feces all sitting in my backyard on the beach. If wasn’t enough three weeks ago my neighbor on the other side of my house had two cars stolen out of there driveway. The next day while walking on the beach in my back yard I found a nine MM hand gun with its serial numbers shaved off. Let me reiterate I have only lived here nine months.

Now the major question. Do I want a boardwalk in my back yard? A boardwalk that won’t be maned, policed, or just cleaned up. NO NO NO. You want to beautify, protect, Maintain? Yes. Give me more work? No. I clean enough back there. What’s next me being robed my son being hurt. I think you should go back to the drawing board and think what’s best for the people, the island, and our beaches. Not what’s best for some peoples pockets.

Sincerely Yours,

Robert K. Abdenour
To Whom it may concern,

My name is Robert Abdenour. I live at 45 Ottavio Promenade. I have been living here for about 10 months. In the last ten months I have seen and been apart of a lot of incidences. Starting with last summer a fifty five year old black women walked off the beach naked past my house while my 10 year old son and I were standing there. A few weeks later my girlfriend’s daughter decided to take a walk on the beach and stepped on what appeared to be someone’s previous barbecue she received third degree burns. Christmas time my neighbor’s car was broken into then stolen, regularly kids walk past my house to the beach to drink, have sex, or use the beach as a bathroom. Why do I say this? There is evidence, 50 cans of beer, condoms, and feces all sitting in my backyard on the beach. If wasn’t enough three weeks ago my neighbor on the other side of my house had two cars stolen out of there driveway. The next day while walking on the beach in my back yard I found a nine MM hand gun with its serial numbers shaved off. Let me reiterate I have only lived here nine months.

Now the major question. Do I want a beach walk in my back yard? A beach walk that won’t be maned, policed, or just cleaned up. NO NO NO. You want to beautify, protect, Maintain? Yes. Give me more work? No. I clean enough back there. What’s next me being robed my son being hurt. I think you should go back to the drawing board and think what’s best for the people, the island, and our beaches. Not what’s best for some people’s pockets.

Sincerely Yours,

Robert K. Abdenour
Hello,

This email is to address the notice "Coastal and Social Resiliency Initiates for Tottenville Shoreline"

I am writing to voice my full-throated supported for the proposed Living Breakwaters project. Not only will it provide essential shoreline protection, it will literally build up our public spaces and, crucially, provide access to the waterfront.

I am particularly concerned by the vocal minority of private property owners crying out NIMBY! The attitude of these few, motivated by the selfish desire to maintain "private" access to a public utility weakens our community and hobbles our ability to respond to disaster.

I urge you to attend to the needs of the broader community: resilience, public access to public spaces, and a healthy waterfront community.

Sincerely,
Andrew Blancero
My name is Patricia Crispi, I lived at the end of Manhattan Street in Tottenville. I've lived here eighteen years. I'm a Sandy survivor. I could not make the meeting held April 26th due to the fact I just had major surgery. However, my neighbor Ronnie Peterson let me know what went on. I understand that you have a proposed bridge that goes from Manhattan Street to Brighton Street which will run along the side of my home. This is a terrible idea. This will only attract unwanted criminal activity to this area and become a hang out at night with people doing drugs. We have been through enough!!! For the safety of my home and family don't put a bridge! Also ever since Sandy we have been having flooding problems with the Outfall. It's not taking the water. We need this problem fixed. Every time there's a rain storm we get water. We need permanent drainage which has to be part of this project. I trust you will take these concerns into consideration being that you want to work with the residents of the community to benefit everyone. Thank you, Patricia Crispi
Re: Coastal and Social Resiliency Initiatives for Tottenville Shoreline Draft Environmental Impact Statement

The handout for the April 26, 2017 public hearing at PS 6 located at 555 Pager Ave., shows a proposed pathway from Sprague Ave to Page Ave along the beachfront.

My comment is that it be bicycle capable. Currently the only other bicycle option is on Hylan Blvd., which has seen increasing traffic in the past few years as a result of increased development.
No Pathway from Sprague Ave to Page Ave.

1-we are totally against this pathway that's going to run from Sprague ave to page ave were on much higher grounds 8 to 14 feet higher than Sprague ave running west to conference house this is where the money for protection needs to go this is where lives and homes were lost here.

2-the governor's storm recovery is for protection by installing a pathway with no buffer zone right in back of homes running from Sprague ave to page ave you're taken our safety away/quality of life and will being it's an invasion of our privacy and putting the lives of the community in danger.

3-we had sleepless nights when the parks installed a fence from Sprague ave to page ave which also made a pathway home were broken into cars were broken into our windows were broken people trespassing. At night groups of people would be drinking and doing drugs fighting till 5:00 am on this pathway.

4- The parks wasted millions on taken away our safety and putting our lives at risk on a pathway from Sprague ave to page ave super storm sandy took that pathway away we as a community feel safe again we learn from mistakes.

5- We rather deal with a super storm each year than sleepless nights which this pathway from Sprague ave to page ave will bring there no buffer zone your taken away our safety and quality of life.

6-We need jetties running south off the shoreline which will keep the sand in place for protection not for an pathway from Sprague ave to page ave that going to put our lives at risk and destroying our neighbor.

7- People have the shoreline as a walkway why would you waste millions with this pathway from Sprague ave to page ave which is going to be in the back yards of homeowner only to take away their safety and quality of life and put our lives in danger.

8- Known fact you have drug dealers at the bottom of page ave Joline ave and Sprague ave now with this pathway you're going to bring all these people right into back yards of the homeowner and community.

9- This pathway from Sprague ave to page ave might look good on paper but you need to look out of the box and think about the safety and well-being of the community after dusk this is a pathway for criminals that are going to be right in the backyards of homeowners.

10- We the homeowner used to own the property up to the high tide mark from Joline lane to page ave we were forced to sell to the Department Of Traffic for a sewer line project back in the seventies. We were told to use the property as if it was ours that nothing else would come after the sewer line project.

11-Right now from Sprague ave to page ave we have an embankment on the shoreline this is our buffer zone especially at night when you have groups of people doing drugs and drinking to put a pathway up on this embankment is going to destroy our neighborhood and take away our safety and quality of life. Please use the money for the lower areas where lives and homes were lost and that's Sprague ave running west to the conference house parks.

LSW Zelgunti
174 Barnard Ave
ST N.Y. 10307
From: Giovanna Gentile [mailto:giovannagentile44@gmail.com]
Sent: Monday, May 08, 2017 1:39 PM
To: nyshcr.sm.nyscdbg.dr.er <nyscdbg_dr_er@nyshcr.org>
Cc: stormrecovery.sm.gosr.foil <gosr_foil@stormrecovery.ny.gov>; Kaplan, Lisa (STORMRECOVERY) <Lisa.Kaplan@stormrecovery.ny.gov>; Victoria.cerullo@gmail.com; Jamespistilli@gmail.com; Danialgreene@stormrecovery.ny.gov; lanza@nysenate.gov; borelli@council.nyc.gov; castorinar@nyassembly.gov; joddo@statenislandusa.com; cenan.pa@usace.army.mil
Subject: Living Breakwaters & Tottenville Shoreline Protection Projects

Ladies & Gentlemen,

I am a Tottenville resident for 15 years. I am a mother of 4 whose job it is to keep her family safe. I feel that this project will make my job impossible.

I live on the water side of Ottavio Promenade and the idea of having a walkway and hub erected behind our homes does not sound like a good idea. Having strangers walking behind our homes is scary not only to me, but to my children as well. They would be forced to remain indoors due to the fear of being harassed or worse.

The areas that this project wants to add this hub and walkway to are not easily accessible, not well lit, and not even paved. This makes it dangerous to walk down to access these proposed elements. It would be even more dangerous to drive to these places. There's barely enough room for one car to drive down to that area, having two cars driving in opposite directions would be extremely hazardous, and would increase traffic and become a logistical nightmare. This additional traffic would also be dangerous to pedestrians who walk down these streets every day.

The proposed walkway along the beach could also potentially be dangerous to people who would try to access it since there is no direct walkway from the street and one has yet to be proposed. This could be deadly if an emergency occurred on this walkway since EMS,NYPD or FDNY would have no way to get to their victims in time. How would they drive their trucks down the narrow streets? How would they access this walkway with our homes in the way? There are many more obstacles that would pose a threat to the proposed hub. This MUST be taken into consideration and not taken lightly.

I also think that the breakwaters need to be reconsidered as well. I sit and look out of my window as large ships, small boats, jet skis and more are going back and forth in the bay and wonder “will they be able to see the breakwaters? Will they crash into them?” This is potentially an even more dangerous situation.

Please reconsider this project all together.

I am happy that you are willing to help our Staten Island borough, but please use those funds in ways that we truly do need them, for example- Pave our streets and sidewalks, add much needed sidewalks, fix our existing parks etc.
I look forward to seeing Staten Island be the beautiful city it should be.

Thank you

Giovanna M. Gentile
To All Involved:
I am a 15 year resident of Staten Island and have been living on Ottavio Promenade since 2003. When we moved here the beach and bordering land was used as a dump for cars, junk and all types of waist. In the last 13 years, Along with my neighbors, we have cleaned it and maintained it at our own expense—with no help from any city, state or federal organizations. We have worked very hard to make it look as good as it does today. The only thing the parks department did was threaten us, try to fine and try to intimidate us. I see this project as a continuation of that intimidation.

What we have on the south shore of Staten Island is a great thing for the people that live here. As it is now, people come from all over Staten Island to walk along the beach, fish and enjoy the views where it is accessible and safe. These areas include conference house park (down at the end of Hylan Blvd). These areas are meant for the public to enjoy. The area between Page and Sprague Avenues is not a large area, it has poor public access, no lighting and no parking. It's hard to access these areas now and with Man's interference, To add a walkway and a public building, can only destroy what's there now. It will not only add congestion and pollution, to a point we will not be able to maintain, it makes the area unsafe.

The far better place to add walkways and a public building is at the end of Hylan Blvd- where there is large amounts of parking, well lit areas and walkways that would not interfere with private residential properties. The simple reasoning for this comes from being a Business owner myself. I know the closer I am to what I run, the better I can run it. So to me, it would make sense to put this water hub by all the existing buildings in conference house park—where there are already people who are running and maintaining it.

I do feel the idea of reintroducing oyster beds to the bay, adding sand and extending the drain pipes would help our community. This is how the funding for the Living Breakwater Project should be spent. As far as the breakwaters, I will depend on the professionals, this is something they are trained for and hopefully have done research on— but if they are wrong and it causes dangerous situations they should be held responsible.

I look forward to seeing new sand, clean beaches and a public building for us all to use and enjoy safely by the Conference House at the end of Hylan Blvd.

In regards to the CAC:
I am a Tottenville resident who wants to help very much with this project as well as any other projects that will effect my neighborhood. I have a lot of experience and I feel I have a lot of knowledge that I can bring to the table to help in these situations. I would very much like to do my part as a concerned resident of staten island.
Back in December of 2016 I was informed by Mr. Alex Zablocki that there were two positions available on the CAC -for which I applied. I was told by Mr. Zablocki that I was accepted on the board only to find out later that Mr. Zablocki stepped down from his position and that there weren't any positions available on the board and that I was misinformed. This does not seem like a well run office so I can't imagine the living breakwater project being run any better. There is way too much misinformation going around And therefore making me and the tottenville residents feel unsafe with the way this project will be handled. I would like to be seriously considered to be on this committee. I feel that I can be an asset to this committee being that I am a resident and business owner here on Staten Island.

Thank you
John Gentile
44 Ottavio Promenade
Staten Island, NY 10307
1.646.325.8850
Comment Form

Any individual, group or agency may submit written comments on the Coastal and Social Resiliency Initiatives for Tottenville Shoreline Draft Environmental Impact Statement. The public is hereby advised to specify in their comments which "notice" their comments address. All comments must be received on or before 5pm on May 8, 2017, or they will not be considered. Comments may also be submitted via email at:

NYSCDBG_DR_ER@nyshcr.org

Name: John Gentile
Address: 41 Ottavia Promenade, S.I., NY 10307
Email: JohnGentile44@gmail.com
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Thank you
John Gentile
44 Ottavio Promenade
Staten Island, NY 10307
1.646.325.8850
Date: May 2, 2017
To: Governor’s Office of Storm Recovery
From: Concerned Tottenville Residents
Subject: Title Public Pathway – Shoreline Protection
Project Sprague Avenue to Page Avenue

What is happening in America? I will tell you, there is no such thing as a safe neighborhood anymore, especially in NYC, steel front entrance security doors, bared windows, double and triple locks, alarm systems, video doorbells, surveillance cameras, and gated communities are growing each year in the United States.

WHY? Because of more violent crime and the number one concern is **CHILD ABDUCTION**, couple that with the 23 % rise of crime in parks, along with upper scale homes and that is a 100% recipe for real life horrors and serious crimes such as kidnapping, home invasion, rape and murder.

If you are my age this is a far cry from how I grew up with the front door, garage door and windows left unlocked and open, walking, riding our bicycles, and enjoying our neighborhood all hours without any fear of crime what so ever.

We live in different times and although we have nicer consumer goods our personal safety, quality of life standard, has been lowered with the increasing crime and the constant vigilance of security being a part of our daily lives.
Criminals rarely rob homes in the ghettos, they come to the better neighborhoods to do that, and we have one of the better neighborhoods in NYC.

We have heard time and time again many of the people on the design team will tell you that you knew this property was owned by Parks when you bought it. Not so, and a complete lie, for many, this property was sold under duress to the City or would have been taken under emanate domain against our will in 1973. So this was originally all owner owed to the high tide water mark. Since Parks took it, nothing was done with the exception of being poorly, or not maintained at all, and constantly visited by strangers, dealing and doing drugs, graffiti, vandalizing, dumping garbage and refuse, setting fires, and home being broke into.

As for the people that did know the property was owned by Parks when purchased, never did we dream Parks would do such an irresponsible thing like a public pathway right outside our back yard doors and windows which is inconceivable in a normal, caring, and rational mind.

Why would you want to bring these violent crimes to our back yards with a public pathway?
To GOSR, SI Elected Officials and the CAC Board.

It is quite apparent to any reasonable intelligent mind how irresponsible, inconceivable, reckless, and criminal these projects and designs are to the safety of the people, marine navigation, the environment, the ecosystem of the Raritan Bay and Tottenville Staten Island.

To a project you claimed to be transparent, you will not answer questions at public hearings, you will not answer verbal questions on an individual basis, written questions e-mailed, questions sent by US Mailed, or questions hand delivered all of which have been done many times.

Some where between finger painting and your Crayola 64 box you have lost all touch with reality, civility, humanity, and nature. You have thousands of pages of reports and testing but not one page of common sense.

Then you refer to this as a test pilot project, let me save you the trouble, IT IS A GOD DAM DISASTER IN THE MAKING !!! and anyone associated with this project if approved and built will be held accountable !

We will no longer tolerate your illegal behavior and hold each and everyone of you legally, morally and ethically, ACCOUNTABLE for any future crimes to our families and homes. If you took part with these ill conceived plans, went along with them, contributes to them, allows them, or funds them with our tax money.

We will also hold you criminally as well as civilly accountable for any damage to the environment, ecosystem, and future Marine navigational accidents.

We have tried on many attempts to sit down go over the details of this project that are most concerning and give solutions to no avail. Your actions, behavior, secrecy are un American, unlawful, and unacceptable.

You can no longer think that being part of a group that you are not responsible for you actions as a individual, for this is where we are putting you on notice we will come after you with every conceivable legal way possible regardless of the cost. Our families, our homes, the eco system and environment mean more to us than our money.

Below we are stating the facts, after you have read them, understood them, you will need to answer the document below as an individual weather you are for these projects or for our solutions joint project ? after you fully understand the reality and flaws in your thinking, plans, and design.

Underestimating who we are, what we know, our history here, our experience, knowledge, skills and intelligent's is your biggest mistake. Since you refuse to meet with us, will not answer questions or take our advise we have spelled it out below in detail what the issues are with your project and the solutions free of cost.

Below are the issues I have recorded, after reading and studying your 102 page document multiple times, reading, photographing and scanning your recently released DEIS Statement at 25 Beaver Street, investigating, doing research, site observations on multiple occasions and having numerous conversations with the locals, some of which go back 6 generations in Tottenville. Especially one gentleman who has kept his own records of coastal measurements from a
confirmed benchmark for the past 40 years. There is a wealth of knowledge and experience from the people here in Tottenville that has gone ignored by the project staff.

Once any intelligent person gets past the deceptive, misleading, inaccurate, ambiguous jargon used to describe the mechanics of this Project, you will see the truth unfold.

**Water Hub** At the Page Ave location.

1) Bringing a commercial size building (a school) at the end of Page Ave into a residential area that does not and cannot handle the utilities required, septic required, commercial traffic such as school buses to bring people back and forth, the trucks to resupply and remove garbage, a means of emergency vehicles not having easy access, and last but not least encroaching on an area that is slated Ever Wild is just another betrayal to nature.

**The Peoples Solution** We scouted several area's where you would have the grounds, facility, parking, utilities, public transportation on a major avenue with sewers. These area's can use the attention such as the base of Buffalo Street at Great Kills Park, Seguine Ave on Huguenot Beach, Wolf's Pond Park, Mount Loretto, across the street at Cunningham road going to the Ranger Station or last the Conference House Park.

These Locations can provide the needs for a school with room for expansion with no interference to residential area's. They would be a shorter ride for buses from other area's.

In stead of a small school (The water Hub) you could build a world class marine biology / Nature / Farm institute with all levels of study and teaching for all ages. Think about what a positive impact this could have for future generations to come on Staten Island, once the garbage dump of NYC.

Then before you plan to doing any think else with nature, our environment and ecosystem you should be forced to attend this school to learn something before you meddle in it with any more of your delusional plans.

**Public Pathway** From Sprauge Ave to Page Ave

1) Putting a public pathway right behind (right through the back yards) of upscale homes on the beach will be a recipe for disaster for the home owners. Park crime is up 34%, this area will have 24 hour access, this area is very secluded and will make the homes venderable here, this will become a criminal's paradise for pregnable victims of home invasion, kidnapping, rape and murder.
2) First of all this same event already took place and failed miserably in Brooklyn NY when a public pathway was forced on the residents of Manhattan Beach Brooklyn.
3) Just like The Staten Island area, with even the same names of Streets in Brooklyn these area's at the end of Brighton Beach and the end of Manhattan Beaches became the places of drugs and crime at night time with no control.
4) They City forced the construction of a public Pathway right behind the residents of the same kind of upscale homes you find in most water front communities against the will of the residents that knew their safety would be severely compromised. From day one havoc broke out from the day it opened.
5) The pathway had to be removed. Folks in the legal world that is called case precedence.
6) This was another example of wasted tax payer money and another example of piss poor planning by NYC.
7) All the dead end streets down by the water with special attention to Page Ave, Billop Ave, Joline Ave, and Brighton Ave are hot spots for drug dealing, drug use, graffiti, vandalism and more serious crimes.
8) This water front property was owned by the home owners until 1973 when is was taken away against the will of the owners, then left in horrible manor of which the home owners in good conscience clean it themselves because parks has not maintained it properly.
9) It only took 1 weeks for the new wood fence at the end of Joline Ave to get graffiti, and when it went along the beach area before Sandy took it apart and sent it through the home causing flooding it was a invite trail to follow to peoples homes for more crime, since it was washed out, there has been less incident behind home but not crime less.
10) A hardened pathway will simply give criminals a faster and easier way for egress and escape.

**The People's Solution** By extending storm drains with transition fittings and check valves, removing miscellaneous rocks, boulders, and pilings, raising and extending the beach will solve everyone's needs and desires. A means of egress for passersby's, beach walkers and suntanner's, the public, small Parks department equipment such as a Gator and other vehicles can transverse the area for clean up and maintenance.

Once you get past the deceptive, misleading, inaccurate, ambiguous jargon used to describe the design and mechanics of this Project, you will see the truth unfold.
**Break Waters** From the beginning Ward's Point of the Arthur Kill to Page Ave. 700 to 1200 feet off shore they plan on building 10 massive concrete cube structures 5 to 14 feet above sea level with a base footprint which could exceed one million square feet.

1) This is the most poorly conceived project of them all, because this not only puts people's lives, eco systems, and the environment at risk, it puts marine navigation in great peril. Much of the traffic in this shipping lane has commercial size craft that transport fuel for the airports, mixing fuel ships with a much increased potential for collision is diabolical, and insane.

2) Application and Materials - Blanketing hundreds of thousands if not millions of square feet of the sea bed with their Bio Textile AKA Polypropylene will snuff out the life of every organism below by removing the sun light that creates photosynthesis, oxygen, and food. This in itself is madness and unconscionable.

2A) There is also a second upper layer of this polypropylene that will also come apart into trillions of pieces becoming an environmental and ecosystem nightmare for generations to come.

2B) The fish, crabs will eat these pieces and get into the food chain of larger fish, birds, and humans.

2C) This material is not natural to the Ocean environment and should not be used in any way, shape, or form. As admitted by manufacturer specs the ocean and sun will break it down.

3) Armored toe units, AKA Concrete Cubes, by the tens if not hundreds of thousands, this is another man made compound that is not natural that will leach chemicals that will effect the PH level of the water and effect all marine life in this very shallow bay area.

3A) Putting Concrete Cubes on top of the polypropylene will create an addition chemical reaction which will speed up the deterioration effects and pollute our loved Raritan Bay, our eco system, and environment.

3A) We know this is the money shot. This is where and why this project was conceived in the first place for some one or group to make most of the money on these unneeded, unwanted, unnatural, 2000.00 each concrete cubes. So should we follow the money train and see who's pockets are getting lined with our tax money , while they, who do not live here profit from our destruction?

4) What will happen with the ebb tides changing daily and storm currents moving even faster around the perimeters at the base of these heavy structures will be undermined causing separation of concrete and stone.

4B) So how will that effect the above sea level part of this project

4C) This will also cause the Lights to come apart with structure separation losing the connection and lights to fail. Causing a serious night time hazard. ( which will require a man 24 / 7 to be on duty for maintaining them )

4D) Due to the height 14 Foot above sea level birds will be landing here often and dropping their fecal matter by the tons, this will in turn dry up in the hot sun being to high to be washed off by the sea, will become airborne as very fine dust particulates making landfall and getting the residents of Tottenville very sick.

5) Navigational Nightmare - Anyone that knows the water ways around our area knows that the long groin jetty's off Reynolds Channel, Breezy Point, Coney Island, Norton's Point, Red hook, and Sandy Hook, have all been locations of maritime accidents and death.

5A) Putting massive city size concrete block islands in the Raritan bay 700 to 1200 feet out near the channel and at the entrance to the Arthur Kill which is a narrow corridor going into a turn around Ward's Point with commercial shipping mostly fuel tankers is beyond any sane mind. It is extremely careless, irresponsible, reckless, stupid, and moronic, un experienced, ill planned, by narrowed minded people that do not have the skill set, experience or professional outlook for the realities of their plans and decisions.

5B) Marine navigators will have an obstructed field of view with these structures jutting up to 14 feet many marine craft will simply not see approaching craft in time to avoid collision, they're going to be boaters going in and out between islands causing T-Bone collisions with larger craft.

5C) This will also cut your length of view from a distance of what is coming and going to and fro from the Arthur Kill, creating many blind spots for navigators.

5D) Someone tell these very young inexperienced designers boats and ships do not have ABS Disk Brakes.

5E) High winds, snow storms, fog, heavy rain, all play a factor in control and visibility putting these structures at this location is a 100% recipe for disaster with maritime craft and shipping. Lightning, solar flares and break downs can contribute to the loss of GPS navigation control, combined with foul weather and darkness will cause environmental disasters when large tankers breach their hulls on these concrete fortresses and leak millions of gallons of fuel into our Bay.

5F) Weather 14 foot or 5 foot above sea level all these structures are very dangerous because small craft cannot see over the 14 foot area's and large craft will have trouble seeing the 5 foot area's.

5G) When one person from the project was questioned about marine navigation and the hazards these structures possess her response was "well we did not thing about that "

5H) Case in point. About thirty years ago, in dense fog, a 600 ' plus tanker meandered from the dredged channel reach in precisely the area currently designated for the offshore reef system, finally grounding along the beachfront between
Sprague Ave. and Yetman Ave., some fifty feet from the high water mark, dragging two channel-marking buoys with it. Pilot had more than 30 years experience. Had the proposed reefs been in place rather than the currently extant hard sand, it is more than likely that there would have occurred a breach of the double bottom hull with consequent spill of catastrophic proportions.

6) Oysters - The Raritan Bay has made a come back and is thriving with sea life including oysters, calms mussels, crustaceous, dolphins, seals, whales, and many other marine life forms. We do not need 70 million dollars worth of concrete and Polypropylene to have Oysters.

6A) These islands, after killing all sea life below them, will also block and prevent the micro rich nutrients carried by the changing tides to other life forms relying on this food source for survival thus killing much of the sea life between the islands and the shore, also somewhat stagnating the water, which can produce foul smells.

6B) The Raritan Bay does not need, want, or desire, man's ill attempts by replenishing oysters where they already exist in the proper ratio's to other marine life forms with 70 million dollars worth of man made pollutive chemicals.

6C) Man has never improved upon nature and is the most ignorant to it's importance, Man in reality is natures worst nightmare. This plan will destroy the Raritan Bay's beautiful natural eco system. **If we permit it.**

6D) Tottenville was once a town that utilized the Raritan Bay for their Oyster resource commodity that provided jobs to many and they did not need 70 million dollars worth of Concrete and Polypropylene to do it.

7) Wave attenuation - this is perhaps the biggest lie of them all. This part of the Raritan is very shallow and could not produce a wave over 3 feet so there are no waves to attenuate.

8) Erosion - it is fact that the small waves that do come to our shore under 3 feet push sand up on many of the beach area's. These proposed islands will prevent that natural occurrence from happening.

8A) It is the Storm out fall drain lines that are to short that cause the wash out of our beaches and any erosion until the small waves replenish it.

9) Super Storm Sandy was a tidal surge and these concrete islands will do NOTHING to prevent flooding if it were to happen again.

9A) This Project was not conceived to help anyone or anything, it was conceived with the intention of profiting off the fears of people's past natural disaster.

9B) Had the Government really cared they would have sent the help needed the morning of this event, which never showed.

9C) 70 Million could do so much to restore the shore line of Staten Island, restore the environment and ecosystems around it and build a sea wall which would protect from another storm surge.

10) Any under water structure will bring fish, fish brings fishermen, drifting boats close to shipping in the channel will bring marine collisions without any doubt.

11) Lighting System - I have seen nothing on or in any documents how this would be lighted and maintained, then again the people that came up with this project probably think these shipping lanes are closed at night time. Scary to think people like this are making decisions with this kind of money and design.

**Summation** - We the People ask the Army Corp of Engineers **not to issue permit** to such an irresponsible ill conceived project of the Storm Recovery Living Break Water's.

Please issue permit to an alternate plan below that will be for the betterment of The People, Staten Island, The Raritan Bay, The Arthur Kill, our Environment and our Ecosystems.

**The People's Solution**

Remove the dangerous and unsightly sunken vessels, rocks, boulders, pilings, broken docks, and piers that plague our Borough that give us the title "The most unsightly and dangerous water front in the country". Simply extend out fall storm drains with transition fittings and check valves.

Reuse the rocks and boulders to make short groin jetties to stop any sand dispersion and replenish the beach with sand to raise and extend.

Reuse more of the remaining Rocks and Boulders to create natural habitats for all marine life, not just oysters this way you do not upset the normal balance of nature by vastly increasing one species over another. A perfect location would be below the Ranger Station, this would not interfere with boats, ships, jet skis, Kayaks, everyone's scenic million dollar view for beach goers and hikers that come to the Conference House Park.

Do some water studies to find out what is polluting the Water, where the source is, and fix the problem. Then by planting Hyper accumulators for biotic interaction we can use nature to absorb the heavy metals and filter out water ways.

The rest of the boulders and rocks can be used as rip rap protecting the shore line of SI residents that need it. The pilings many of them covered with creosol can be ground up and given to or sold to Alaska for there highway build, they want and can use this stuff that no one else does.

In the lower elevation area's of Tottenville that flood easy, build a tinted concrete sea wall, raise the beach elevation and length with sand and short groin Jetties, then provide proper drainage for rain water so you do not get back flooding.
One other important thing to do is to remove all the down trees that were killed by Sandy, they are unsightly, dead and dried out lumber are a catalyst and potential for another forest fire / fire storm.

Now by individual names are you still for this project or for our solutions joint project? All recipients of this e-mail must reply, it will come into evidence later.

Thank you for your time and consideration in this important matter.
Kind Regards Michael A. Greco
Cover Page

Tottenville Residents Group

Date - October 1, 2016

Questions to be answered by the Governors Office of Storm Recovery.

Questions Grouping First Edition

Please return all answers in a hard copy paper format to

Michael A Greco
1853 Cropsy Ave
Brooklyn NY 11214

646-423-3571
gallant4life@aol.com
The following Questions are in six categories and need to be answered by the person responsible for that part of the project. Also please do not reply by saying revert to web site or brochure for answers. Each question needs a correct type written answer by the person responsible for that respective area and signed off by Project Coordinator.

1) General - 27
2) Break Waters - 36
3) Path Way Revetment, Berms -17
4) Water Hub - 36
5) Oysters - 9
6) Landscaping - 11
General Questions.
1) For what reason was this project conceived?
2) We would like to see a break down and itemization of the cost of each of the five categories Project proposals. We would like to see the names and address or every vendor and/or contractor involved with this five part project?
3) Where was the money allocated from?
4) Who allocated the amount for each project?
5) What is the correct amount for each project?
6) If any of them goes over budget will it be completed, and when? And where will the money come from?
7) Will this amount of money be taken from our Tottenville budget for other more important issues?
8) We need a break down of the cost and duration of each of these three projects.
9) Are all three of these projects going to be worked on simultaneously?
10) Who is going to maintain these projects after they are built? Where is your plan and budget for that?
11) How were the people involved with this project get selected and by who or whom.
12) Did Army Corp of Engineers approve their plans?
13) Who is the Marine Biologist that did the case study on these projects?
14) What kind of tests did he/she perform?
15) Where are the printed results of these findings?
16) Government and big corporations have a history of greed, ignorance and abuse of nature in this country for the sole purpose of profiteering. We demand to see the marine environmental impact studies on Marine life, and coastal erosion studies for this project.
17) Is every person associated with this plan willing to stake their name reputation, responsibility, and accountability for it? Meaning any negative result to marine life or coast erosion will constitute a civil action which you would be personally responsible for and financially responsible for?
18) Where, when and how many times was the flushing test performed?
19) What contracts have been signed and with who concerning these projects?
20) Have any contracts been signed for the construction end of this project if so please provide copies?
21) Did you apply for any work permits yet?
22) As of yet did you receive any permits to do work of any of the proposed projects?
23) If so from who and to do what?
24) Are you using concrete or recycled concrete for any part of these projects or is it all natural stone?
25) What kind of natural stones are you using?
26) We need to see the MSDS Sheets on any and all materials being used.

**Break Waters.**
1) Who or whom are the designers of the break waters?
2) Have they designed break waters before?
3) Why was this location picked?
4) Were other locations also picked and why?
5) Are there other locations in the United States where this same design is currently being used?
6) How will this system stop flooding from a tidal surge/sandy type storm?
7) From your current plans what will be the overall footprint of these structures? And how many are there going to be constructed?
8) What is the planned elevations above low tide and high tide for these Break Waters?
9) Can those elevations change for any reason During the construction phase?
10) This bay thrived with oysters before man polluted it, why do we need break waters to have oysters now?
11) Where will the Break Waters be located as far as measurements from North to South?
12) How far from the shore line will they be?
13) The distance between each other?
14) We need both the GPS locations and the closest Street from the shore as a landmark?
15) We also need to know how they will be orientated with regards to the shore line with compass direction?
16) Can and will these structures affect beach erosion in a negative way?
17) Can the locations, size, and or amount of these
structures change during the project or construction phase?
18) What is the depth of the water where these are being proposed for construction?
19) Is there existing Marine life at this depth and location?
20) If so what kind of marine life?
21) Are these Brake Water structures test models?
22) Have these structures by design, size, and contractor been used before in the United States? Where? When? How long ago? And what were the results?
23) Why did you name this project "living break waters" when you are going to cover large portions of the Bay's bottom with man-made polypropylene mats, with concrete cube on top that will block out the sun / photo synthesis, oxygen, and nutrients that existing life forms need to survive, essentially killing any and all existing life forms that already are thriving, such as fish, clam beds, nests, eggs, seaweed, nutrient rich micro organisms and other marine life?
24) Do you really think this Project and so called improvement of Nature is going to benefit our Bay? How? And Why?
25) All this Bay needs to thrive is man's better understanding of Marine Biology and nature, how it works, and respect. That would mean to stop polluting it! Man-made mat's and concrete are not natural to this
environment and thus polluting. We demand to witness and see the results of these man-made materials and samples of each put into a salt water tank with the same species in our Bay and it to be monitored over a year's time before we let you contaminate our Bay and potentially set life forms back a 100 years.

26) Since the brake waters will be off shore, we would also like to see the system design for powering and lighting to curtail night navigational accidents.

27) How come the Army Corp of engineers is NOT doing this project? They have the equipment, expertise, and experience.

28) Since the Raritan Bay is very shallow and only produces at best three foot waves, why do you need break waters here?

29) How much does each of the different models of the Concrete Cubes cost?

30) Where are they being manufactured?

31) How many miles away do they have to be shipped or trucked?

32) How much do the different size Rocks cost?

33) Where are they being shipped or trucked from?

34) How much do they cost?

Path Way, Revetment, Burm.
1) What is the proposed elevation of the pathway?
2) What is the width of the pathway?
3) What material will the pathway be made out of?
4) Will this pathway have gates at either end so it could be opened at dawn and closed at dusk or will it be accessible 24/7?
5) Will this Path area specifically be Policed?
6) Will this Path area specifically be cleaned by Parks?
7) Will the new beach replenishment be cleaned by Parks?
8) How much beach fill is being planned?
9) Are you planning to make the beach longer? And by how much?
10) Are you planning on removing those unsightly and very dangerous pilings, broken piers and docks?
11) Are you planning to remove individual Boulders that possess a danger in the water?
12) What is the draining capability of the swale located next to the pathway.
13) How was it designed to prevent clogging from leaves, brush, dirt, clay which will be carried by heavy rains and cause back flooding?
14) Where is the water suppose to be drained out to?

**Water Hub.**
1) Is the water hub going to have shuttle boat service?
2) If so, from what location to where?
3) If so, who will be the operator/company?
4) Who will pay for the cost of this boat and maintenance?
5) What is the size of this boat?
6) How many people will it hold?
7) Since this Bay area is very shallow, are you going to dredge here at the foot of Page Avenue?
8) Are you going to build a pier at the location of the Water hub?
9) If so how high and how far out will the pier go?
10) Will the boat be left at this site or pier?
11) What will the pier be made out of and who designed it?
12) Will it disturb the marine life already existing?
13) Did you do a marine life impact study on Boat and Pier?
14) Who did these studies?
15) What where the results from these studies?
16) Produce these results of these studies?
17) Are you going to be busing or boating inner city children to this area?
18) What is the Water Hub going to be used for and what kind of activities will be taking place?
19) What is the elevation of the Water Hub?
20) Will the windows be able to open?
21) What will the hours and days of the week this building will be open?
22) What kind of outdoor activities will take place?
23) How many child (children) at one time can be expected to come to this facility?
24) Will there be a parking lot next to this building?
25) If so, how big is the parking lot?
26) If you are having activities in the water will you have a life guard present?
27) Will you be serving food at this location?
28) Will you have a dumpster outside?
29) Who will pick up the garbage NYC or Private Sanitation?
30) Are you planning any changes to Page Ave.
31) If so what would those changes be?
32) How long will the construction last for the Water hub Project?
33) How long will the construction last for the changes to Page Avenue?
34) Do you plan on cutting down trees for this Project?
35) If so how many trees?

Oysters

1) How many oysters will be reintroduced to the Raritan Bay?
2) Where are they coming from?
3) Are there any cages or equipment that is part of this project?
4) If so, what kind? And what is the cost?
5) What is just the cost of the oyster themselves?
6) What is the expected growth rate?
7) Of the many marine species why are oysters being selected?
8) What species of oyster are you using, or are you going to use different species of oysters?
9) Is the project going to be monitored?
Landscaping, Tree's, Plants,

1) How many tree's are scheduled for planting?
2) How many different species were selected and why?
3) Where are they coming from?
4) Do you plan on cleaning the area up from evasive species before you plant?
5) What time of year will they be planted?
6) How many plants are going to be planted?
7) What species of plants will be planted?
8) Where are the tree's and plants going to be planted?
9) How much do these tree's cost individually?
10) How much do the plants cost individually?
11) Do you plan on planting on the Break Waters as well as the revetments?
Living Breakwaters Citizens Advisory Committee (CAC)
Comment and Question Form

If you would like to provide the Governor’s Office of Storm Recovery with a comment/s regarding the Living Breakwaters and Tottenville Shoreline Protection Projects, or you have a question/s regarding the projects, please fill out the form below.

You may also email your comment/s or question/s to:
LivingBreakwaters@stormrecovery.ny.gov or call 212-480-2377.

Name: Blayse Halvorsen
Address: 50 Joline Lane
Phone Number: 718 317 1563 Email: blaysehalvorsen@gmail.com

Question or Comment:

1. Why waste money on a walkway when sand needs to be added to the lower elevated areas?

2. Why is the safety of those in Tottenville secondary to this "project"?

3. Take a door to door survey, nobody voted for this project.

For more information on Living Breakwaters and the Tottenville Shoreline Protection Project, please visit:
http://stormrecovery.ny.gov/living-breakwaters-tottenville
Comment Form

Any individual, group or agency may submit written comments on the Coastal and Social Resiliency Initiatives for Tottenville Shoreline Draft Environmental Impact Statement. The public is hereby advised to specify in their comments which “notice” their comments address. All comments must be received on or before 5pm on May 8, 2017, or they will not be considered. Comments may also be submitted via email at:

NYSCDBG_DR_ER@nyshcr.org

Name: Blaise Helverson
Address: 50 Joline Lane Staten Island 10307

Email: Tottenville Residents 0@gmail.com

WHY ARE YOU USING STORM RECOVERY MONEY TO PUT LIVES AT RISK on the waterfront location to be put at proposed site 2 or 3 not at the bottom of Page Ave. Where the infrastructure is not here. Infrastructure is already in place at the proposed sites.

HERE PATHWAYS ON LOWER LEVELS WHERE HOMES AND LIVES WERE LOST, SPRAGUE AVE TOWARDS CONFERENCE HOUSE NO NEED TO PUT PATHWAY ON THE HIGHER ELEVATION (FROM SPRAGUE AVE TOWARDS PAGE AVE) THIS WILL DO NOTHING FOR PROTECTION. BUT ONLY BE AN RECIPE FOR MORE CRIME, KIDS DRINKING, DRUGS, FIRES THAT WE CURRENTLY EXPERIENCE. THIS WILL BE A 24/7 OPERATION OPEN PARK WHERE ALL CITY PARKS ARE OPEN DAWN TO DUSK. THERE WILL BE NO POLICING OF THIS PATHWAY LIGHTS ETC THEN ALLOWING ANYBODY TO WALK ONTO OUR PROPERTY BEING THERE IS NO BUFFER ZONE BETWEEN THE PATHWAY AND THE HOMEOWNERS BACKYARDS. WHERE WILL THE MONEY COME FROM TO MAINTAIN THE PATHWAY HUB. BREAKWATERS? WHY ARE WE INSTALLING ESPECIALLY A WATER HUB WHY DON'T THE PARKS DEPT. REPAIR THE PATHWAYS TRAILS ALREADY IN PLACE DOWN BY THE CONFERENCE HOUSE AND MAINTAIN THEM INSTEAD OF ADDING MORE THAT WILL NOT BE MAINTAINED. THIS PROJECT IS NOT ABOUT PROTECTION THIS IS A PILOT PROJECT TO INCREASE PHYSICAL ECOLOGICAL AND SOCIAL RESILIENCE NOTHING TO DO WITH STORM SURGE PROTECTION WHY ARE WE USING CONCRETE BLOCKS FOR BREAKWATERS INSTEAD OF NATURAL BOULDERS? WHEN THE SEAGULLS BIRDS GEESE LEAVE Fecal ON PATHWAY BREAKWATERS WE WILL BE BREATHING THIS IN AND WALKING IT ON THE PATHWAY. THINK PEOPLE ON THIS PROJECT SHOULD ACTUALLY SEE WHERE WHAT HOW IT WILL BE EFFECTED PEOPLE FIX OUTFALLS EXTEND THEM MAKE GROIN JETTIES REPLENISH SAND! YOU DON'T NEED BREAKWATERS IN THIS SHALLOW BAY. PLEASE CONTACT EMAIL ABOVE TO SCHEDULE A TOUR SO YOU UNDERSTAND WHAT WE ARE TALKING ABOUT. PUT FLOOD GATES ON STORM LINES.
I'm a 3rd generation living on this Shoreline we moved here for our protection and quality of life now for some reason you're trying to take that away from us. This is probably one of the last spots where you don't need a fence in your backyard we have 4 foot embankment at the edge of a property this is our buffer zone. There's a lot criminal actions that take place on the shoreline especially at night. Why Are you trying to install this pathway from Page Avenue Sprague Avenue it's only going to take our safety away because now these criminals are going to be right now backyards taking away our buffer zone and quality of life. This money you have is meant for protection against another storm so please let's use it for that and that would be the lower areas where lives and homes were lost lets look out for the safety of the community instead of taking it away.
From: kerrygoody [mailto:kerrygoody@verizon.net]
Sent: Monday, May 08, 2017 1:30 PM
To: nyshcr.sm.nyscdbg.dr.er <nyscdbg_dr_er@nyshcr.org>
Cc: kerrygoody <kerrygoody@verizon.net>
Subject: Pathway running east of Sprague Avenue

WE the homeowners are totally against this pathway which is only going to destroy our community. It would be nice to see this money go towards a seawall made out of boulders which will cost you less money to do. You have a wooden Jettie at the end of Brighton Street which is very old and ready to break away when this happens we are going to lose the whole shoreline. Here we go again with the boulders to make a new Jettie running South off the shoreline. The Stormwater Outlets need to be extended right now they're washing away the sand taking away our protection against a storm. The shoreline from Page Avenue to Brighton Street needs to be replenished with sand. The storm lines in the lower areas Need sea Gates installed or check valves to stop the flooding in the lower areas or you could always install a pump station in the lower areas. This is the protection we need from the governor's Offices of recovery not a Pathway East of Sprague Avenue.

Sent from my MetroPCS 4G LTE Android Device
To: Whom It May Concern
From: Goodwin Halvorsen

I'm a 3rd generation living on this Shoreline we moved here for our protection and now for some reason you're trying to take that away from us. This is probably one of the last spots where you don't need a fence in your backyard we have 4 foot ambankment at the edge of a property this is our buffer zone. There's a lot criminal actions that take place on the shoreline especially at night. Why Are you trying to install this path way from Page Avenue Sprague Avenue it's only going to take our safety away because now these criminals are going to be right now backyards taking away our buffer zone and quality of life. This money you have is meant for protection against another storm so please let's use it for that and that would be the lower areas where lives and homes were lost lets look out for the safety of the community instead of taking it away.
Please get back to me on this issue.
Goodwin Halvorsen

Sent from my MetroPCS 4G LTE Android device
From: kerrygoody [mailto:kerrygoody@twc.com]
Sent: Monday, May 08, 2017 2:28 PM
To: nyshcr.sm.nyscdbg.dr.er <nyscdbg_dr_er@nyshcr.org>; Borelli <jborelli@council.nyc.gov>
Subject: Fwd: Pathway running east of sprague ave

-------- Original message --------
From: kerrygoody <kerrygoody@twc.com>
Date: 5/8/17 11:30 AM (GMT-05:00)
To: gosr_foil@stormrecovery.ny.gov
Subject: Pathway running east of sprague ave

I'm a 3rd generation living on this Shoreline we moved here for our protection and quality of life now for some reason you're trying to take that away from us. This is probably one of the last spots where you don't need a fence in your backyard we have 4 foot ambankment at the edge of a property this is our buffer zone. There's a lot criminal actions that take place on the shoreline especially at night. Why Are you trying to install this path way from Page Avenue Sprague Avenue it's only going to take our safety away because now these criminals are going to be right now backyards taking away our buffer zone and quality of life. This money you have is meant for protection against another storm so please let's use it for that and that would be the lower areas where lives and homes were lost lets look out for the safety of the community instead of taking it away.

Sent from my MetroPCS 4G LTE Android Device
WE the homeowners are totally against this pathway which is only going to destroy our community. It would be nice to see this money go towards a seawall made out of boulders which will cost you less money to do. You have a wooden Jettie at the end of Brighton Street which is very old and ready to break away when this happens we are going to lose the whole shoreline. Here we go again with the boulders to make a new Jettie running South off the shoreline. The Stormwater Outlets need to be extended right now they're washing away the sand taking away our protection against a storm. The shoreline from Page Avenue to Brighton Street needs to be replenished with sand. The storm lines in the lower areas Need sea Gates installed or check valves to stop the flooding in the lower areas or you could always install a pump station in the lower areas. This is the protection we need from the governor's Offices of recovery not a Pathway East of Sprague Avenue.

Sent from my MetroPCS 4G LTE Android Device
TO: Governor's Office of Storm Recovery

Subject: Questions to be answered on the Tottenville shoreline project.

Page 1 of 2

1-I'm grandfathered in and I have boat ramp which we use we will need access to.

2- Why and how are you getting this property instead of it going back to the home owners I was told in the 70s when the city took our property it was for an sewer project and that we could still use the property as if it was still ours.

If the pathway goes in from page ave to Sprague ave

1-How far off our property is this pathway.

2-How are you going to save our quality of life.

3-How are you going to save our well-being.

4-How are you going to give us a buffer-zone.

5-How are you going to stop the invasion of our privacy.

6-Are you installing lights for our safety if not why?

7- Are you installing cameras for our safety if not why?

8-How are you going to close this pathway after dusk.

9-How are you going to patrol this pathway 24/7.

10-You know that you’re taken our safety away with this pathway.

11-Why is this pathway more important than the safety and lives of the people in the lower areas.

12-Who is going to maintain this pathway,

13-Are you installing a fence along this pathway and made of what.

14-The NY parks try this pathway/fence and it only destroyed our community we learn from mistakes so why are you going to waste millions of taxpayers money only to destroy our community again.

15-Who do we hold accountable for criminal actions against us if this pathway goes through from page ave to Sprague ave

Goodwin Halvorsen

50 Joline Lane Staten Island NY 10307    347-415- 7735
16- Why are you not installing jetties?

17- Why are you not installing a pump station in the lower areas this will stop the flooding in the lower areas and help clean the bay.

18- Why are you not fixing the storm water out falls that run on the beach they are right now the cause of beach erosion?

19- Why are you not installing Seagate’s or check valves on the storm water lines which will help the lower areas from flooding.

20- Why are you not replenishing the sand from page ave to Sprague ave on the shoreline?

21- The old wooden jetties at the end of Brighton Street needs to be replaced why are you not doing that.

22- Why are you not using large rocks and boulders for a dune system.

23- Why are you trying to give the NY parks more property rather than looking out for the safety and lives of the community.

24- Why are you not removing the boulders in the bay which is an accident waiting to happen.

25- Why are you not cleaning the whole shoreline?

26- You know if this pathway goes in you also will have to run a water line for the beach fires an than the woods fire and then the home fires. 1963

27- How are you going to stop people from trespassing onto homeowner’s property to and from this pathway that will run right through yards.

Goodwin Halvorsen

50 Joline Lane Staten Island NY 10307
Comment Form

Any individual, group or agency may submit written comments on the Coastal and Social Resiliency Initiatives for Tottenville Shoreline Draft Environmental Impact Statement. The public is hereby advised to specify in their comments which “notice” their comments address. All comments must be received on or before 5pm on May 8 2017, or they will not be considered. Comments may also be submitted via email at:

NYSCDBG_DR_ER@nyshcr.org

Name: Kerry Halvorsen
Address: 50 Joline Lane Siny 0307
Email: kerrygoody@twc.com

TOTALLY AGAINST PATHWAY FROM SPRAGUE AVE TO PAGE AVE - THIS IS ON HIGHER ELEVATION AND IS NOT NEEDED. FROM SPRAGUE AVE TOWARD CONFERENCE HOUSE IS WHERE HOMES AND LIVES WERE LOST. THAT'S WHERE IT IS NEEDED. STOP WASTING MONEY ON A PROJECT THAT IS NOT PROTECTING US.

- Why are we putting a raised pathway from Sprague ave to Page ave along the beachfront on a elevation that is high already??
- Where/lnd who will money be coming from to maintain this entire shoreline protection project that will not even protect us from a storm surge.
- The water HUB needs to be put at proposed site #2 or #3 being the infrastructure is already in place. Then the pathway can go from sprague ave to the New Pavilion being built and the HUB (location# 2 or 3).
- People that don't even live here making life changing decision for us? (pathways, HUB location Living Breakwaters).
- We already have crime, drinking, drugs, loud music, fires at the dead-end blocks at the beach until 4am. We don't need a pathway to bring more of this into our neighborhood and to be used as a getaway path. Parks Dept installed a fence which was destroyed by Hurricane Sandy which did the same thing brought in more crime.
- We need to fix the outfalls (extend them) and make gran fillies and replenish the beach with sand. The outfalls is causing the erosion not the shallow 2-3 wave we get in the bay. We don't need a sidewalk on the beach, we can't even get sidewalk on a city streets.
- I fear for my home, children, and my belongings by having this pathway in the location you want to put it (Sprague to Page) near my home to the crime and issues we currently deal with daily.

*If you lived along the beachfront in our homes would you want this in your backyard? This is not protection.
ladies & gentlemen:

I am a resident of Tottenville for over 18 years and have seen many changes in Staten Island take place. some good and some bad. this project would not be a good change. I am happy about the Governor's office wanting to come in to Staten Island and fixing the shoreline but the proposed projects is not the way to go about it. the walkway proposed would have no benefit to the residents of Tottenville or Staten Islanders. only a select few would be able to access this walk way and they would be there to do harm and not good. i have seen the element that frequents the beach and they are there to do drugs, engaging in perverse acts and starting fires. the beaches are not clean and are full of debris and trash. what would be beneficial is having the beaches cleaned and adding more sand so that we can access the beach and walk along a clean beautiful beach. Adding a walkway that would not be maintained or be destroyed by the weather and beach elements would only be adding to the debris and trash already existing on our beaches. The water hub proposed to be erected down Page Avenue is not a good idea either. This would not be accessible to anyone! it would end up being an abandoned building- again being a place for illegal acts to be performed. This hub would be beneficial if it were in another location where all of Staten Island residents can access it and benefit by it. A good location would be down by the Conference House or Near the Staten Island Ferry Terminal- where all New Yorkers would benefit. The Breakwaters in our bay seems to be a very dangerous idea as well. there are many large vessels as well as small ones using this very narrow bay and adding large cement structures in the bay would be deadly. who will be accountable for the injuries and deaths caused by this? Please reconsider using these funds toward cleaning up our city rather than adding more dangerous structures to it. There are many places on Staten Island that should be dealt with before any of these proposed structures. Please add some desperately needed sidewalks along our streets. Please pave our streets. Please fix the drainage problems we have at the end of our water front streets. Please clean up the tanks that are polluting the Arthur Kill. There are many projects that should be taking place before the one projected in the Living Breakwaters Project. I look forward to seeing this City cleaned up and brought back to its natural beauty.

A Concerned Resident of Tottenville,

Julie Liotti
Dear Governor’s Office of Storm Recovery,

I live in Staten Island and attended the DEIS Public Hearing on April 26. I would like to take this opportunity to express my thoughts on the proposed Living Breakwaters & Shoreline Protection Project.

I fully support the breakwaters as proposed, including innovative projects built on or near them such as the Billion Oyster Project; the berms and other additions designed to protect against future storm surges and coastal flooding; and the shoreline restoration to repair damage done by hurricane Sandy.

However, I have serious questions about the following aspects of the plan:

Many residents expressed problems with the path built near the berms, including trespassing, littering and offensive behavior, such as drinking. If paths are to be built near the berms, they should be on the shoreline side, separated from private property by the berm itself, to protect the privacy and the security of homes.

In addition, local residents expressed their belief that the addition of berms is not needed between Sprague and Page Avenues. That area is less seriously affected by storms as the more southern area is, and resources should be concentrated on the areas most at risk.

Finally, the proposed Water Hub locations are unsuitable. They are in out-of-the-way places, not easily accessible and lacking parking spaces for visitors and bus access for schools and youth groups. Current street access is not adequate for emergency vehicles, if and when such may be needed. A better location would be near the Conference House, where there is already adequate access and parking (which could be slightly improved as part of the Water Hub), along with restrooms and connection to New York City Water and Sewer lines. Locating the Water Hub near the Conference House would reduce the construction time and expense by making use of existing resources. It would also promote more visitors by making it convenient to a popular cultural resource.

Thank you for the opportunity to express my views.
Comment Form

Any individual, group or agency may submit written comments on the Coastal and Social Resiliency Initiatives for Tottenville Shoreline Draft Environmental Impact Statement. The public is hereby advised to specify in their comments which “notice” their comments address. All comments must be received on or before 5pm on May 8, 2017, or they will not be considered. Comments may also be submitted via email at:

NYSCDBG_DR_ER@nyshcr.org

Name: Jennifer Marino
Address: 43 Seline lane, 10307, Stuy
Email: ..................................................

Why aren't longer storm drains put in?
Living Breakwaters Citizens Advisory Committee (CAC)
Comment and Question Form

If you would like to provide the Governor's Office of Storm Recovery with a comment/s regarding the Living Breakwaters and Tottenville Shoreline Protection Projects, or you have a question/s regarding the projects, please fill out the form below.

You may also email your comment/s or question/s to: LivingBreakwaters@stormrecovery.ny.gov or call 212-480-2377.

Name: Maureen Murphy
Address: 24 Robinson Beach
Phone Number: 718 817-1563 Email: 

Question or Comment:

Put money into dune system in low area from Sprague Ave West where homes & lives were lost.
Do not put money into a pathway in front of private residences where unsavory people will find there way. It would be an invasion of privacy.

For more information on Living Breakwaters and the Tottenville Shoreline Protection Project, please visit: http://stormrecovery.ny.gov/living-breakwaters-tottenville
If you would like to provide the Governor’s Office of Storm Recovery with a comment/s regarding the Living Breakwaters and Tottenville Shoreline Protection Projects, or you have a question/s regarding the projects, please fill out the form below.

You may also email your comment/s or question/s to: LivingBreakwaters@stormrecovery.ny.gov or call 212-480-2377.

Name: Robert Muggly
Address: 14 Robinson Blvd
Phone Number: 718-317-1563 Email: 

Question or Comment:

Put your money into the dune system protection from floods, not the park! The pathway will be an invasion of privacy for residences.

For more information on Living Breakwaters and the Tottenville Shoreline Protection Project, please visit: http://stormrecovery.ny.gov/living-breakwaters-tottenville
Comment Form

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NYSCDBGDR@nyshcr.org

Name: Anthony Panarelli
Address: 43 Joline Lane
Email: Anthony.Panarelli@gmail.com

Why would you consider a walkway from Peace to Main St instead of Main Street to the Conference House (Hub Location)?

Option 2
Comment Form

Any individual, group or agency may submit written comments on the Coastal and Social Resiliency Initiatives for Tottenville Shoreline Draft Environmental Impact Statement. The public is hereby advised to specify in their comments which “notice” their comments address. All comments must be received on or before 5pm on May 8, 2017, or they will not be considered. Comments may also be submitted via email at:

NYSCDBG_DR_ER@nyshcr.org

Name: Anthony Panarello
Address: 43 Jeline Lane
Email: Anthony.Panarello1226@gmail.com

Why don't you apply check valves to be installed? This will help stop flooding when areas...
Comment Form

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NYSCDBG_DR_ER@nyshcr.org

Name: Anthony Panarello
Address: 43 Joline Lane
Email: AnthonyPanarello@gmail.com

Why don't you build up the wooden Jetties at the end of Brighten or Surfave?
Comment Form

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NYSCDBG_DR_ER@nyshcr.org

Name: Anthony Panarelli
Address: 43 Joline Lane
Email: AnthonyPanarelli826@gmail.com

Why aren’t storm water outfalls extended along the entire south shore lines?
Living Breakwaters & Tottenville Shoreline Protection Projects
Draft Environmental Impact Statement

Comment Form

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NYSCDBG_DR_ER@nyshcr.org

Name: Christina Panarello
Address: 43 Joline Ave Staten Island NY 10302
Email: Autodyg65@gmail.com

Why would we want people having access so close to the backs of peoples yards with no buffer to invade peoples property?
Comment Form

Any individual, group or agency may submit written comments on the Coastal and Social Resiliency Initiatives for Tottenville Shoreline Draft Environmental Impact Statement. The public is hereby advised to specify in their comments which “notice” their comments address. All comments must be received on or before 5pm on May 8, 2017, or they will not be considered. Comments may also be submitted via email at:

NYSCDBG_DR_ER@nyshcr.org

Name: Michael Panarello
Address: 7300 Bay Terrace Rd, Staten Island, NY 10307
Email: Apt 81465 & email.com

Who would protect the walkway 24 hours 7 days a week from bad people or mischievous kids?
Comment Form

Any individual, group or agency may submit written comments on the Coastal and Social Resiliency Initiatives for Tottenville Shoreline Draft Environmental Impact Statement. The public is hereby advised to specify in their comments which "notice" their comments address. All comments must be received on or before 5pm on May 8, 2017, or they will not be considered. Comments may also be submitted via email at:

NYSCDBG_DR_ER@nyshcr.org

Name: Michael Panarello
Address: 13 John Rd, Staten Island, NY 10307
Email: Ant 81465 & Email.rom

Why is a walkway necessary behind the backyards of the houses on the beach?
Comment Form

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NYSCDBG_DR_ER@nyshcr.org

Name: Michael Panarello
Address: 43 Joline LN Staten Island NY 10307
Email: ant91465@gmail.com

Who could a world maintain the walk way from Garbage & etc?
Comment Form

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NYSCDBG DR ER@nyshcr.org

Name: Michael Panarello
Address: 43 John Ln. Staten Island NY
Email: Ant@your email.com

Why would we put concrete walkway on the beach but not side walks along Hyland Blvd were there aren't any?
Comment Form

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NYSCDBG_DR_ER@nyshcr.org

Name: Michael Panarello
Address: 43 Joline Ln Staten Island NY 10302
Email: Art81465@Email.com

Why can't the Hub be built by the conference house?
Comment Form

Any individual, group or agency may submit written comments on the Coastal and Social Resiliency Initiatives for Tottenville Shoreline Draft Environmental Impact Statement. The public is hereby advised to specify in their comments which “notice” their comments address. All comments must be received on or before 5pm on May 8, 2017, or they will not be considered. Comments may also be submitted via email at:

NYSCDBG_DR_ER@nyshcr.org

Name: Michael Paradelli
Address: 43 John Ln Staten Island NY 10307
Email: Ant91465e Email.com

Why wouldn’t the walkway be built from Briarcliff st Southwest to the conference the water hub location option 2?

This is the area that is lowest to cold use elevation to be increased.

Why isn’t that the choice or most logic?
Comment Form

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NYSCDBG_DR_ER@nyshcr.org

Name: Michael Panarello
Address: 43 Wolfe Inn St, Staten Island, NY 10307
Email: Ant 81465 e mail.com

Why wouldn't you focus on the hub down at Confluence house (Hub 2 solution) were there is room for cars, buses and walk area?
Comment Form

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NYSCDBG_DR_ER@nyshcr.org

Name: Michael Panarella
Address: 43 Joline Lane, Staten Island, NY
Email: Ant 81965e Email.com

How can the Hub fit at end of page Ave with proper walkways?
1. The storm drains should be extended and covered with natural rocks.
2. Create Jetties
3. Pump sand on beach
4. Put hub at conference house
5. No walkway unless south of Brighton

Panarelo 917-975-4925
1. The storm drains should be extended and covered with natural rocks.

2. Create Jetties

3. Pump sand on Beach

4. Put Hub at conference House

5. No walkway unless South of Brighton

Panare'ello 917-975-4426
Response to DEIS Living Breakwaters/Tottenville Shore Line Projects

The Tottenville Civic Association has been an integral part of the project development for both the Living Breakwaters and the Tottenville Shoreline Protection Projects. We were consulted as early as 2013 regarding proposed plans for the devastation and loss of life following Super Storm Sandy. The Civic president served as a member of the Governors New York Rising Community Reconstruction Committee for Staten Island. The NY Rising Committee specifically recommended and funded the Tottenville Dunes (Tottenville Shoreline Protection) Project. The Civic along with other community groups, individuals and elected officials were given numerous opportunities to comment on the projects as they were being developed from 2013 to the present at both NY Rising public hearings, Scape community meetings, Civic Association meetings and through hearings and community input sessions from the GOSR and the CAC. The current design for these projects reflect the recommendations made through the public input process. Listening to concerns of residents of Page Ave. alternate sites at the Conference House Park have been proposed for location of the Water Hub.

Both the Living Breakwaters and the Tottenville Shoreline Protection projects have been designed to work together as a layered system to reduce long-term coastal erosion, attenuate storm waves, improve biodiversity and ecosystem health of near shore waters while enhancing the public’s experience of the shoreline. Together these projects will result in risk reduction, potential reduction in flood insurance, ecological enhancement and Social Resiliency for the Tottenville Beach area.

Input from the majority of beach area residents and the community is to support these projects with the following recommendations:

- Preference for location of Water Hub at Conference House Park
- Provision for drainage system under Dunes to allow flood waters collecting at bottom of streets adjacent to dunes to drain toward beach
- Permanent solution to clogging of outfalls, which results in flooding when area hit by storms/heavy rain/high, tides.
- Need for proposed “Bridge” over wetlands. Consider alternatives.

Respectfully submitted by:
James M. Pistilli
James M. Pistilli, President, Tottenville Civic Association Inc.
Co-Chair, Citizens Advisory Committee
Living Breakwaters Citizens Advisory Committee (CAC)
Comment and Question Form

If you would like to provide the Governor's Office of Storm Recovery with a comment/s regarding the Living Breakwaters and Tottenville Shoreline Protection Projects, or you have a question/s regarding the projects, please fill out the form below.

You may also email your comment/s or question/s to: LivingBreakwaters@stormrecovery.ny.gov or call 212-480-2377.

Name: Sarah Taormino
Address: 24 Robinson Beach
Phone Number: 347-413-7836 Email: Sarah.Taormino@gmail.com

Question or Comment:

Creating a walkway would encourage strangers to come into our backyard. I fear for invasion of privacy, vandalism, and other disturbances.

For more information on Living Breakwaters and the Tottenville Shoreline Protection Project, please visit:
http://stormrecovery.ny.gov/living-breakwaters-tottenville
The last time the parks ran a fence east of Sprague ave to page ave it only brought crime into our community. We learn from mistakes so why are you trying to run this path way?
Living Breakwaters Citizens Advisory Committee (CAC)
Comment and Question Form

If you would like to provide the Governor's Office of Storm Recovery with a comment/s regarding the Living Breakwaters and Tottenville Shoreline Protection Projects, or you have a question/s regarding the projects, please fill out the form below.

You may also email your comment/s or question/s to:
LivingBreakwaters@stormrecovery.ny.gov or call 212-480-2377.

Name: ________________________________
Address: ________________________________
Phone Number: __________________________ Email: __________________________

Question or Comment:

The water Hue needs to go at the conference House Park at the end of Hylan Boulevard. Now you have a buffer zone away from the community.

For more information on Living Breakwaters and the Tottenville Shoreline Protection Project, please visit:
http://stormrecovery.ny.gov/living-breakwaters-tottenville
Living Breakwaters Citizens Advisory Committee (CAC)
Comment and Question Form

If you would like to provide the Governor's Office of Storm Recovery with a comment/s regarding the Living Breakwaters and Tottenville Shoreline Protection Projects, or you have a question/s regarding the projects, please fill out the form below.

You may also email your comment/s or question/s to:
LivingBreakwaters@stormrecovery.ny.gov or call 212-480-2377.

Name: __________________________________________
Address: _________________
Phone Number: _______________ Email: ____________________________

Question or Comment:

The 60 plus million dollars for the governor's office of storm recovery is supposed to be used to protect the lives and homes in the community. So please let's do that instead of installing a pathway from piazza to piazza or a water flue at piazza only to look out for the Park's best interest.

For more information on Living Breakwaters and the Tottenville Shoreline Protection Project, please visit:
http://stormrecovery.ny.gov/living-breakwaters-tottenville
Living Breakwaters Citizens Advisory Committee (CAC)
Comment and Question Form

If you would like to provide the Governor's Office of Storm Recovery with a comment/s regarding the Living Breakwaters and Tottenville Shoreline Protection Projects, or you have a question/s regarding the projects, please fill out the form below.

You may also email your comment/s or question/s to:
LivingBreakwaters@stormrecovery.ny.gov or call 212-480-2377.

Name: ____________________________________________
Address: _________________________________________
Phone Number: ___________________ Email: ______________

Question or Comment:

On pathway or water Nub
Riving east of sprague ave to
Pags ave. We need to look out
for the quality of life of the
Community.

For more information on Living Breakwaters and the Tottenville Shoreline Protection Project, please visit:
http://stormrecovery.ny.gov/living-breakwaters-tottenville
Living Breakwaters Citizens Advisory Committee (CAC)
Comment and Question Form

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You may also email your comment/s or question/s to:
LivingBreakwaters@stormrecovery.ny.gov or call 212-480-2377.

Name: ________________________________
Address: ________________________________
Phone Number: __________________ Email: __________________

Question or Comment:

We Need Jetty's over the storm lines that run on the beach. A better dune system that will run from spauge ave west to the conference house. Jetty's work they keep the sand in place.

For more information on Living Breakwaters and the Tottenville Shoreline Protection Project, please visit:
http://stormrecovery.ny.gov/living-breakwaters-tottenville
We are totally against this pathway it's only going to take away our quality of life well beings and safety with no buffer zone. I can't for the life of me see who's allowing you to waste millions of taxpayers money on this project only to put the communities life at risk with this pathway. This governor's office of storm protection money is supposed to be used for protection so let's use it where the lives and homes were lost during superstorm Sandy instead of installing a pathway for a ribbon-cutting ceremony. Right now we have A4 foot and embankment this is a buffer zone from the shoreline there's a lot of criminal actions that take place on the shoreline and at the dead end streets especially at night and now all that your going to do is put this in our backyards and it will filter out to the community. There is no way to police this area 24/7 we have families and kids why would you do this we need for the storm recovery money to be spent what it is meant to be spent for and that would be Sprague Avenue heading west to the conference house parks the areas where lives and homes were lost for better protection.

Sent from my MetroPCS 4G LTE Android Device
Governor's Office of Storm Recovery

Subject: The Tottenville living breakwater system/ Water Hub / Pathway from Sprague ave to Page ave

We the Tottenville community feel betrayed. Prior to hurricane Sandy the conference house park installed a fence/pathway which was right in our back yards from Sprague ave heading east to page ave. From that day on it only caused problems in our neighborhood from crime to trespassing broken windows. Homes were broken into it was an invasion of our privacy. This pathway also gave us homeless people. People doing drugs and drinking till 300am. The pathway was used as a get away from law enforcement we had no quality of life. Our community was unsafe we have kids in this neighborhood. That fence made of wood came apart during sandy and broke through our basement windows and caused the flooding to our homes. This was just one big mistake that our community went through.

We're a great community we and everyone uses the beach. But to reinstall a fence and build a pathway up on this property that once belonged to the homeowners and a water hub at end of Page ave only to look out for the best interest for the parks and not the safety and quality of life for our community. This is insane and a big waste of taxpayers' money. This money came from the Governor's Office of Storm Recovery to help communities recover from the devastation of superstorm sandy and please let's keep it for that. We are on higher grounds than Sprague ave heading west to Conference House Park were lives and homes were lost. Instead of a fence and pathway from Sprague ave heading east to page ave that will only take our safety away and quality of life. We would like for that project money go to the area were the lives and homes were lost for a better harden dune system that will last for years to come also fix the storm drains lines install flood gates on storm lines and fix the storm water out falls that run on the beach that keeps washing away the sand we also need jetties to help hold the sand in place on the shoreline. We're looking out for the lives and safety of our community.

The Water Hub needs to be located at the Conference House Parks at the end of Hylan Boulevard they have 267 acres there it will cost less money for the tax payer to maintain. The bay in this area is better protected making it safer for the visitors and building. It's away from the homes in the area so it's not an invasion of privacy and won't affect the quality of life of the Tottenville community you also have a buffer zone now. The conference house park has parking also roads and bathrooms they also have pathways. This will bring more money to the park and be easier to maintain and run. We're talking about saving millions of dollars.

We thank you and your staff for any help and support.
If this pathway from Sprague ave to page ave is all just about a ribbon-cutting ceremony and not for the safety residents we hold you accountable for any future crimes to our families and homes.

This is Staten Island not Manhattan we live here for the safety of our families and the quality of life we have from Joline lane to page ave some families been here since the 1940s. Our protection/Buffer zone is the embankment along the shoreline people use the beach and shoreline as a pathway. By trying to install a pathway on top of this embankment from Sprague ave to page ave your putting our lives at risk there is so much criminal actions that take place on the shoreline and now all your trying to do is put this mess right in our back yards and we will not stand for this.

The money you got for this project is supposed to be used for protection against another storm why are you not doing that. Sprague ave heading west got destroyed we lost a dad and his daughter if you don’t give them the protection they need this will happen again you need to do what is right.
We need the money to go to lower areas for better protection and not for a water Hub building and walkway/pathway running from Sprague ave to page ave. This will be right in the homeowners backyards with no buffer zone taken away our safety and quality of life.

Why is the Governor’s Office of Storm Recovery of the Iliving breakwaters and shoreline project so dead set on by putting lives at risk and taking away the privacy and safety and quality of life and well-being of the community. By trying to install a pathway running east of Sprague ave to page ave and a water Hub building at the bottom of page ave which will have no buffer zone and which is on much higher grounds then Sprague ave running west to the conference house.

This pathway will have groups of people using it at night hanging out drinking doing drugs selling drugs and disturbing the peace of the community. There is no way to protect the lives of the community from criminal and people trespassing from this pathway. This pathway will also run right in the backyards of homeowners. We rather lose one night of sleep to another Super Strom then having sleepless nights for the rest of our lives over a pathway that will only put our live at risk.

We as taxpayer need this storm recovery money to be spent on the right projects and that’s for protection from another super storm in the lower area were lives and homes were lost and that would be from Sprague ave heading west to the Conference House Park at the end of Hylan Boulevard.

Water Hub building needs to be located at Conference House Parks at the end of Hylan Boulevard. It will cost millions less to build and maintain. You have 267 acre its away from a community now you have a buffer zone you’re not taking away the safety and quality of life and will not be an invasion of privacy of the community. It will be safer for the building and visitors you already have pathways, parking, public transportation, restrooms, and it will also bring more money to the parks so they can make improvements to the parks. We thank you for your help and support the Tottenville residents.
TO: GOVERNOR’S OFFICE OF STORM RECOVERY

SUBJECT: PROTECTION NEEDED ON THE TOTTENVILLE SHORELINE AND LIVING BREAKWATERS PROJECT.

FACT: PLEASE HELP US WITH PROTECTION WE HAVE AN OLD WOODEN JETTIE AT END OF BRIGHTON STREET AND SURF AVE THIS IS THE ONLY THING HOLDING THE SAND IN PLACE IF AND WHEN WE loose this OLD WOODEN JETTIE WE WILL loose the HOLD SHORELINE.

FACT: STORM LINES NEED SEAGATES OR CHECK VALVES TO BE INSTALLED THIS WILL HELP STOP THE FLOODING IN THE LOWER AREAS DURING A STORM.

FACT: WE NEED A STORM WATER PUMP STATION THIS WILL STOP THE FLOODING IN LOWER AREAS AND HELP CLEAN THE BAY.

FACT: WE LOST A HEIGHT OF FOUR FOOT OF SAND SINCE THE CONFERENCE HOUSE PARKS TOOK OVER THE SHORELINE IN THE 1970s. WE NEED FOR THE SHORELINE TO BE REPLENISHED WITH SAND ALSO A HARDED DUNE SYSTEM IN THE LOWER AREAS FOR PROTECTION.

FACT: STORM WATER OUT FALLS ARE THE CAUSE OF BEACH EROSION ON THE SHORELINES THEY NEED TO BE EXTENDED AND MADE INTO JETTIES SO WE CAN CATCH SAND AND HOLD THE SAND IN PLACE AND ALSO ACT AS BREAKWATERS FOR PROTECTION.

FACT: NO PATHWAY/FENCE OR WATER HUB BUILDING RUNNING EAST OF SPRAGUE AVE TO PAGE AVE WHICH WILL ONLY PUT THIS COMMUNITY IN HARM’S WAY AND THE COMMUNITY IS TOTALLY AGAINST. THE MILLIONS OF TAXPAYERS DOLLARS SAVED BY NOT DOING THIS PROJECT CAN BE USED FOR THE PROTECTION AND PROJECTS STATED ABOVE.

WE THANK YOU FOR ANY HELP WITH THIS MATTER.

MAIL TO: GOVERNOR’S OFFICE OF STORM RECOVERY AT 25 BEAVER STREET 5TH FLOOR, NEW YORK, NY, 10004 BEFORE 5PM MAY 8 2017 OR ANY OTHER COMMENTS HOPEFULLY THEY LISTEN AND GIVE US THE PROTECTION WE NEED. 

NAME:

ADDRESS:

S GREEN WAY
ST NY 10307
TO: GOVERNOR’S OFFICE OF STORM RECOVERY

SUBJECT: PROTECTION NEEDED ON THE TOTTENVILLE SHORELINE AND LIVING BREAKWATERS PROJECT.

FACT: PLEASE HELP US WITH PROTECTION WE HAVE AN OLD WOODEN JETTIE AT END OF BRIGHTON STREET AND SURF AVE THIS IS THE ONLY THING HOLDING THE SAND IN PLACE IF AND WHEN WE LOSE THIS OLD WOODEN JETTIE WE WILL LOSE THE HOLD SHORELINE.

FACT: STORM LINES NEED SEAGATES OR CHECK VALVES TO BE INSTALLED THIS WILL HELP STOP THE FLOODING IN THE LOWER AREAS DURING A STORM.

FACT: WE NEED A STORM WATER PUMP STATION THIS WILL STOP THE FLOODING IN LOWER AREAS AND HELP CLEAN THE BAY.

FACT: WE LOST A HEIGHT OF FOUR FOOT OF SAND SINCE THE CONFERENCE HOUSE PARKS TOOK OVER THE SHORELINE IN THE 1970s. WE NEED FOR THE SHORELINE TO BE REPLENISHED WITH SAND ALSO A HARDED DUNE SYSTEM IN THE LOWER AREAS FOR PROTECTION.

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WE THANK YOU FOR ANY HELP WITH THIS MATTER.

MAIL TO: GOVERNOR’S OFFICE OF STORM RECOVERY AT 25 BEAVER STREET 5TH FLOOR, NEW YORK, NY, 10004, BEFORE 5PM MAY 8 2017 OR ANY OTHER COMMENTS HOPEFULLY THEY LISTEN AND GIVE US THE PROTECTION WE NEED.

NAME: [Signature]

ADDRESS: S Tottenville Valley ST 10307
TO: GOVERNOR’S OFFICE OF STORM RECOVERY

SUBJECT: PROTECTION NEEDED ON THE TOTTENVILLE SHORELINE AND LIVING BREAKWATERS PROJECT.

FACT: PLEASE HELP US WITH PROTECTION WE HAVE AN OLD WOODEN JETTIE AT END OF BRIGHTON STREET AND SURF AVE THIS IS THE ONLY THING HOLDING THE SAND IN PLACE IF AND WHEN WE LOSE THIS OLD WOODEN JETTIE WE WILL LOSE THE HOLD SHORELINE.

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FACT: NO PATHWAY/FENCE OR WATER HUB BUILDING RUNNING EAST OF SPRAGUE AVE TO PAGE AVE WHICH WILL ONLY PUT THIS COMMUNITY IN HARM’S WAY AND THE COMMUNITY IS TOTALLY AGAINST THE MILLIONS OF TAXPAYERS DOLLARS SAVED BY NOT DOING THIS PROJECT CAN BE USED FOR THE PROTECTION AND PROJECTS STATED ABOVE.

WE THANK YOU FOR ANY HELP WITH THIS MATTER.

MAIL TO: GOVERNOR’S OFFICE OF STORM RECOVERY AT 25 BEAVER STREET 5TH FLOOR, NEW YORK, NY, 10004 BEFORE 5PM MAY 8 2017 OR ANY OTHER COMMENTS HOPEFULLY THEY LISTEN AND GIVE US THE PROTECTION WE NEED.

NAME: Blayse Halvorson
ADDRESS: 54 Jolene Lane
            SI NY 10307
TO: GOVERNOR’S OFFICE OF STORM RECOVERY

SUBJECT: PROTECTION NEEDED ON THE TOTTENVILLE SHORELINE AND LIVING BREAKWATERS PROJECT.

FACT: PLEASE HELP US WITH PROTECTION WE HAVE AN OLD WOODEN JETTIE AT END OF BRIGHTON STREET AND SURF AVE THIS IS THE ONLY THING HOLDING THE SAND IN PLACE IF AND WHEN WE LOSE THIS OLD WOODEN JETTIE WE WILL LOSE THE HOLD SHORELINE.

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FACT: NO PATHWAY/FENCE OR WATER HUB BUILDING RUNNING EAST OF SPRAGUE AVE TO PAGE AVE WHICH WILL ONLY PUT THIS COMMUNITY IN HARM'S WAY AND THE COMMUNITY IS TOTALLY AGAINST. THE MILLIONS OF TAXPAYERS DOLLARS SAVED BY NOT DOING THIS PROJECT CAN BE USED FOR THE PROTECTION AND PROJECTS STATED ABOVE.

WE THANK YOU FOR ANY HELP WITH THIS MATTER.

MAIL TO: GOVERNOR’S OFFICE OF STORM RECOVERY AT 25 BEAVER STREET 5TH FLOOR, NEW YORK, NY, 10004. BEFORE 5PM MAY 8 2017 OR ANY OTHER COMMENTS HOPEFULLY THEY LISTEN AND GIVE US THE PROTECTION WE NEED.

NAME: [Signature]

ADDRESS: 50 JOHN LANE
SI NY 10307
TO: GOVERNOR’S OFFICE OF STORM RECOVERY

SUBJECT: PROTECTION NEEDED ON THE TOTTENVILLE SHORELINE AND LIVING BREAKWATERS PROJECT.

FACT: PLEASE HELP US WITH PROTECTION WE HAVE AN OLD WOODEN JETTIE AT END OF BRIGHTON STREET AND SURF AVE THIS IS THE ONLY THING HOLDING THE SAND IN PLACE IF AND WHEN WE loose THIS OLD WOODEN JETTIE WE WILL loose THE HOLD SHORELINE.

FACT: STORM LINES NEED SEA GATES OR CHECK VALVES TO BE INSTALLED THIS WILL HELP STOP THE FLOODING IN THE LOWER AREAS DURING A STORM.

FACT: WE NEED A STORM WATER PUMP STATION THIS WILL STOP THE FLOODING IN LOWER AREAS AND HELP CLEAN THE BAY.

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NAME: [Signature]

ADDRESS: 15 Joline Lane
SF NY 10307
TO: GOVERNOR’S OFFICE OF STORM RECOVERY

SUBJECT: PROTECTION NEEDED ON THE TOTTENVILLE SHORELINE AND LIVING BREAKWATERS PROJECT.

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NAME: Maria Salazar
ADDRESS: 15 Thier Way
STATEN ISL NY 10307
TO: GOVERNOR’S OFFICE OF STORM RECOVERY

SUBJECT: PROTECTION NEEDED ON THE TOTTENVILLE SHORELINE AND LIVING BREAKWATERS PROJECT.

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NAME: Scott Retlock
ADRESS: S.I. N.Y. 10307
TO: GOVERNOR’S OFFICE OF STORM RECOVERY

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NAME: George Saulo

ADDRESS: 808 Page Ave. S.I., N.Y. 10307
TO: GOVERNOR’S OFFICE OF STORM RECOVERY

SUBJECT: PROTECTION NEEDED ON THE TOTTENVILLE SHORELINE AND LIVING BREAKWATERS PROJECT.

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NAME:

ADDRESS: 214 OTTERHOUND PL S I NY 10307
TO: GOVERNOR'S OFFICE OF STORM RECOVERY

SUBJECT: PROTECTION NEEDED ON THE TOTTENVILLE SHORELINE AND LIVING BREAKWATERS PROJECT.

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NAME: [Signature]

ADDRESS: 44-5718 AMON STR E.

DIE NT 10307
TO: GOVERNOR’S OFFICE OF STORM RECOVERY

SUBJECT: PROTECTION NEEDED ON THE TOTTENVILLE SHORELINE AND LIVING BREAKWATERS PROJECT.

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NAME: [Signature]

ADDRESS: 14 NORTH PROUD
STATen ISLAND NY 1307
TO: GOVERNOR’S OFFICE OF STORM RECOVERY

SUBJECT: PROTECTION NEEDED ON THE TOTTENVILLE SHORELINE AND LIVING BREAKWATERS PROJECT.

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NAME: Michael Ponzello

ADDRESS: 45 John Ln Staten Island NY 10307
TO: GOVERNOR’S OFFICE OF STORM RECOVERY

SUBJECT: PROTECTION NEEDED ON THE TOTTENVILLE SHORELINE AND LIVING BREAKWATERS PROJECT.

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NAME: Vanessa Pellecchia
O Pellecchia

ADDRESS: 877 Huguenot Ave
Staten Island NY 10312
TO: GOVERNOR’S OFFICE OF STORM RECOVERY

SUBJECT: PROTECTION NEEDED ON THE TOTTENVILLE SHORELINE AND LIVING BREAKWATERS PROJECT.

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NAME: Ronald Potter - R.P

ADDRESS: 877 Huguener Ave SI NY 10312
We need the money to go to lower areas for better protection and not for a water Hub building and walkway / pathway running from Sprague ave to page ave. This will be right in the homeowners backyards with no buffer zone taken away our safety and quality of life.

Why is the living breakwaters and shoreline project manages so dead set on by putting lives at risk and taking away the privacy and safety and quality of life and well-being of the community. By trying to install a pathway running east of Sprague ave to page ave and a water Hub building at the bottom of page ave which will have no buffer zone and which is on much higher grounds then Sprague ave running west to the conference house.

This pathway will have groups of people using it at night hanging out drinking doing drugs selling drugs and disturbing the peace of the community. There is no way to protect the lives of the community from criminal and people trespassing from this pathway. This pathway will also run right in the backyards of homeowners. We rather lose one night of sleep to another Super Strom then having sleepless nights for the rest of our lives over a pathway that will only put our live at risk.

We as taxpayer need this storm recovery money to be spent on the right projects and that’s for protection from another super storm in the lower area were lives and homes were lost and that would be from Sprague ave heading west to the Conference House Park at the end of Hylan Boulevard.

Water Hub building needs to be located at Conference House Parks at the end of Hylan Boulevard. It will cost millions less to build and maintain. You have 267 acre its away from a community now you have a buffer zone you’re not taking away the safety and quality of life and will not be an invasion of privacy of the community. It will be safer for the building and visitors you already have pathways, parking, public transportation, restrooms, and it will also bring more money to the parks so they can make improvements to the parks.
We need the money to go to lower areas for better protection and not for a water Hub building and walkway/pathway running from Sprague ave to page ave. This will be right in the homeowners backyards with no buffer zone taken away our safety and quality of life.

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X R Knapid 719 Barlow Ave S.I N.Y. 10312
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This pathway will have groups of people using it at night hanging out drinking doing drugs selling drugs and disturbing the peace of the community. There is no way to protect the lives of the community from criminal and people trespassing from this pathway. This pathway will also run right in the backyards of homeowners. We rather lose one night of sleep to another Super Strom then having sleepless nights for the rest of our lives over a pathway that will only put our live at risk.

We as taxpayer need this storm recovery money to be spent on the right projects and that’s for protection from another super storm in the lower area were lives and homes were lost and that would be from Sprague ave heading west to the Conference House Park at the end of Hylan Boulevard.

Water Hub building needs to be located at Conference House Parks at the end of Hylan Boulevard. It will cost millions less to build and maintain. You have 267 acre its away from a community now you have a buffer zone you’re not taking away the safety and quality of life and will not be an invasion of privacy of the community. It will be safer for the building and visitors you already have pathways, parking, public transportation, restrooms, and it will also bring more money to the parks so they can make improvements to the parks.

X= [Signature] 698 Bricklouvre St NY 10312
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43 Joline Lane
Anthony D'Ambrosio
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<tr>
<td>Helen Apeese</td>
<td>668 Yetman Ave</td>
<td></td>
</tr>
<tr>
<td>Dan Apeese</td>
<td>668 Yetman Ave</td>
<td></td>
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<tr>
<td>Mila Ricci</td>
<td>664 Yetman Ave</td>
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<tr>
<td>Jim Jadanza</td>
<td>433 Manhattan St</td>
<td>317-960-0200</td>
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<td>Alexis Olwe</td>
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<tr>
<td>Chris Bellochio</td>
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<tr>
<td>Dominick Andreana</td>
<td>451 Manhattan St</td>
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<tr>
<td>Ray Sote Pallante</td>
<td>14 Saline Lane - SINY 10307</td>
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<tr>
<td>Goodwin, Hanchen</td>
<td>50 Joline Lane SINY 347-415-7785</td>
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<tr>
<td>Tina Fulginiti</td>
<td>174 Bankard Ave SINY 10307</td>
<td>718-948-5034</td>
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<tr>
<td>Paul Barbara</td>
<td>31 Belwood Loop St NY 10307</td>
<td>718 817 5203</td>
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<td>Guido Passmorelli</td>
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<td>Kevin Forse</td>
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<td>Vicky Passmorell</td>
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<td>Daniel Menare</td>
<td>15 Dante Ave CT St NY 10307</td>
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<tr>
<td>Helinda Evans</td>
<td>101 Dogwood Dr 10312</td>
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<td>Samantha Demartino</td>
<td>101 Carnegie 10314</td>
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<tr>
<td>Bill Diller</td>
<td>231 Brighton St 10307</td>
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<td>Kurt Nelson</td>
<td>351 Brighton St NY 10307</td>
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<tr>
<td>Shahn Chodhry</td>
<td>289 Page St NY 10307</td>
<td>718 945 1484</td>
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<tr>
<td>Marianne Boyle</td>
<td>340 Seaview Ct. 1st Floor</td>
<td>732-679-7120</td>
</tr>
<tr>
<td>Virgin Maricai</td>
<td>211 Pacific Ave 5th</td>
<td>718-317-8776</td>
</tr>
<tr>
<td>Katherine Bleski</td>
<td>2 W 90th St</td>
<td>718-667-5017</td>
</tr>
<tr>
<td>Thomas Rodriguez</td>
<td>323 Still Lane, 114</td>
<td>718-967-9594</td>
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<tr>
<td>Roman Strychn</td>
<td>390 Woodside Ave.</td>
<td>718-477-2083</td>
</tr>
<tr>
<td>John Miller</td>
<td>14 Opal Lane Staten Island, NY</td>
<td>718-367-9941</td>
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<tr>
<td>Tom J.</td>
<td>453 Craig Ave S. I. NY</td>
<td>718-980-1839</td>
</tr>
<tr>
<td>William Jones</td>
<td>551 Westwood Ave.</td>
<td>718-487-0405</td>
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<tr>
<td>Paul Jones</td>
<td>3745 Arbor Rd. 10308 718</td>
<td>718-667-2627</td>
</tr>
<tr>
<td>Michael Allocco</td>
<td>60 Nautilus Street 10305 718</td>
<td>718-667-2627</td>
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<td>718-293-9760</td>
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<td>Peter Fryer</td>
<td>497 Westman Ave</td>
<td>718-688-9090</td>
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<td>Maria Diaz</td>
<td>287 Van Name Ave</td>
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<tr>
<td>Leonard Garcia</td>
<td>228 City Blvd</td>
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<tr>
<td>Bette Enwin</td>
<td>Cof Lycem Sth</td>
<td>718-815-7246</td>
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<tr>
<td>Dennis Johnson</td>
<td>94 Steele Ave</td>
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<tr>
<td>Frances Emanuel</td>
<td>443 Milbro St</td>
<td>607-326-3339</td>
</tr>
<tr>
<td>Joseph Fasani</td>
<td>9 Good Court</td>
<td>718-987-3267</td>
</tr>
<tr>
<td>Michael Haluchik</td>
<td>236 Casmere Dr</td>
<td>718-816-4181</td>
</tr>
<tr>
<td>Judith Jackson</td>
<td>2nd Charles Ave</td>
<td>718-232-8358</td>
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<td>Chris Bruno/Allysa</td>
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<td>347-552-2331</td>
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<tr>
<td>Sabrina Caristo</td>
<td>42 Howlin Ave 10306</td>
<td>917-769-4000</td>
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<td>Deanna Tancrena</td>
<td>260 Chesterfield Ave 7187550030</td>
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<tr>
<td>Cindy Campbell</td>
<td>32 8th St 917-902-1534</td>
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<td>Denise Wynne</td>
<td>81 Fremont Ave 917-873-5848</td>
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<tr>
<td>Tom Hamill</td>
<td>12 Park St Ave 907-748-3877</td>
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<td>Alison Lundell</td>
<td>14 Escanabaq Ave 718-356-2465</td>
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<tr>
<td>Lisa Mazza</td>
<td>88 Finley Avenue</td>
<td>718-980-6918</td>
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<tr>
<td>Lauren Nolin</td>
<td>32 Flagg Pl S.I. NY 9176839425</td>
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<tr>
<td>Alicia Gareaga</td>
<td>2-14 Amboy Rd 10304</td>
<td>917-582-7368</td>
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<td>212 Bedell Ave</td>
<td>917.816.9728</td>
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<td>Joe Garafola</td>
<td>212 Bedell Ave</td>
<td>715.684.4357</td>
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<tr>
<td>Vane Strope</td>
<td>211 Bedell Ave</td>
<td>646.201.2017</td>
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<td>53 Marge St 10-09</td>
<td>917-370-0506</td>
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<tr>
<td>Cynthia Arevalo</td>
<td>65 Purdy Place</td>
<td>347-529-6187</td>
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<tr>
<td>Carmen Fish</td>
<td>454 Debfield Ave.</td>
<td>718-584-1080</td>
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<tr>
<td>Catherine Signorelli</td>
<td>161 Glyn Ave</td>
<td>718-357-4904</td>
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<tr>
<td>Victoria Pozo</td>
<td>255 More St.</td>
<td>917 957-5452</td>
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<tr>
<td>Cornice Bonlione</td>
<td>200 Ocean Terrace</td>
<td>718-541-3397</td>
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<tr>
<td>Alisa Novaklova</td>
<td>16 Slater Blvd</td>
<td>347-805-0337</td>
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<tr>
<td>Maher Hanna</td>
<td>252 Abingdon Ave</td>
<td>917 216-4484</td>
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<tr>
<td>John Stanisiewski</td>
<td>378 Garretson Ave</td>
<td>917-771-0168</td>
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<tr>
<td>Martha Toledo</td>
<td>33 Overhill Drive</td>
<td>347-758-1815</td>
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<tr>
<td>Vincenzo Carlini</td>
<td>73 Convair Ave St</td>
<td>718-979-6519</td>
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<tr>
<td>Dana Davis</td>
<td>152 Henderson Ave St, NY</td>
<td>347-499-1382</td>
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<tr>
<td>Eric Drzewiecki</td>
<td>525 West 52nd Apt4F, NY</td>
<td>718-887-1923</td>
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<tr>
<td>Andrea Fuso</td>
<td>238 West 88th Ave, St, NY</td>
<td>917-254-1333</td>
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<tr>
<td>Jeanine Richardson</td>
<td>P.O. Box 90163, St, NY</td>
<td>1089 (718)-694-1140</td>
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<tr>
<td>Anthony Alvarez</td>
<td>526 Howard Ave, St, NY</td>
<td>1030 (718)-819-7735</td>
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<tr>
<td>Monica Quintana</td>
<td>361 Geambrook Ave, St, NY</td>
<td>10303 (646)-683-53916</td>
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<tr>
<td>Yolanda Perry</td>
<td>235 Jersey St, St, NY</td>
<td>10301</td>
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<tr>
<td>Laura Head</td>
<td>476 Richard Ave, St, NY</td>
<td>10307 (347)-641-1141</td>
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<tr>
<td>J.O.</td>
<td>219 Taylor St, St, NY</td>
<td>10314 (217)-931-0465</td>
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<tr>
<td>Vincent Cordaro</td>
<td>140 Seaside Ave</td>
<td>917-752-9285</td>
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<td>Christine Burke</td>
<td>365 Liberty Ave S.I. NY 10305</td>
<td>347-236-4975</td>
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<tr>
<td>L. Thompson</td>
<td>7A Broadway 10310</td>
<td>312-809-9059</td>
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<tr>
<td>Denise Edwards</td>
<td>600 Hylan Blvd</td>
<td>347-601-0021</td>
</tr>
<tr>
<td>Fred Smith</td>
<td>320 Vanderbilt Ave</td>
<td>(718) 727-2212</td>
</tr>
<tr>
<td>Dana Fernandez</td>
<td>119 Hampton Pl</td>
<td>(718) 654-2317</td>
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<tr>
<td>Manuel Perez</td>
<td>66-9 06th St. Ave Queen</td>
<td>718-363-7803</td>
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<tr>
<td>Peter Gerbini</td>
<td>16 Depew Place 10304</td>
<td>917-731-5417</td>
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<tr>
<td>Barbara Hoagley</td>
<td>46 Greenacres</td>
<td>917-733-1377</td>
</tr>
<tr>
<td>Chris Shearman</td>
<td>61 Jersey St</td>
<td>917-735-1172</td>
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<td>Freddy Cordey</td>
<td>22A Morrocan Ave</td>
<td>(718) 448-5166</td>
</tr>
<tr>
<td>Alexis Rodriguez</td>
<td>158 McEachen Ave</td>
<td>718-457-0491</td>
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<tr>
<td>Jorn Garrett</td>
<td>3412 Crestwood Drive</td>
<td>570-369-9451</td>
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<td>Allen Shepard</td>
<td>60 Benjamin Place</td>
<td>(718) 902-2993</td>
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<tr>
<td>Devan Deas</td>
<td>165 Parkhill Ave</td>
<td>714-676-7530</td>
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<tr>
<td>Anna Dosso</td>
<td>485 Genesee Ave</td>
<td>917-816-1939</td>
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<tr>
<td>Dotty Daly</td>
<td>461 N. Gosmore Ave</td>
<td>817-531-7217</td>
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<tr>
<td>Pam Nair</td>
<td>185 Laguna Ave</td>
<td>347-209-4967</td>
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<td>Anthony Adams</td>
<td>385 Oak Ave</td>
<td>917-937-6653</td>
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<tr>
<td>Joy Olsen</td>
<td>76 Quintana St</td>
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<td>Angelica Cottone</td>
<td>655 Tysens Ln, St, NY 10306</td>
<td>718-873-6361</td>
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<tr>
<td>Kathy Giordano</td>
<td>92 McArthur Av, St, NY 10312</td>
<td>718-356-6018</td>
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<tr>
<td>Diane Scott</td>
<td>43 Walker St, St, NY 10302</td>
<td>917-446-7352</td>
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<tr>
<td>Shantell Diruwaenter</td>
<td>11 Richard Ln, St, NY 10314</td>
<td>(347) 679-2783</td>
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<tr>
<td>Simone Howard</td>
<td>416 Skinner Ln, St, NY 10310</td>
<td>718-563-2891</td>
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<tr>
<td>Elena Capuli</td>
<td>10 Orlando St, St, NY 10305</td>
<td>718-661-2888</td>
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<tr>
<td>Alex Sultin</td>
<td>17 Wavelly Place, Crawford, N.J. 07012</td>
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<tr>
<td>Antonette For Camileau-Joyce</td>
<td>14 Colonial Ct, Staten Island, NY 142-2354</td>
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<tr>
<td>Teresita Almendral</td>
<td>28 Constitution Way, St, NY</td>
<td>718-667-2549</td>
</tr>
<tr>
<td>Chris Morton</td>
<td>160 Dongan hills Ave, St, NY</td>
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<td>222 Roseland Ave, St. NY 10305 718-256-8405</td>
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<tr>
<td>Ferman Reyes</td>
<td>220 Sandalwood St, St. NY 10308 347-997-4488</td>
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<td>Edward Garcia</td>
<td>26 Beecher St, St. NY 10304 347-712-9802</td>
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<td>Vincent DeSarno</td>
<td>82 Goodall St, St. NY 10308 917-635-0508</td>
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<td>Anthony Sanzone</td>
<td>451 Riga St, St. NY 10308 718-619-1966</td>
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<td>Christina Randazzo</td>
<td>751 Correll Avenue, St. NY 10309 718-344-6747</td>
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<td>Fallon Raino</td>
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<td>Anthony Aiosa</td>
<td>10 Chatham Lane, St. NY 10309 718-614-9105</td>
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<td>Joe Costalero</td>
<td>50 Hitchcock Ave, St. NY 10706 347-432-8362</td>
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<tr>
<td>Antonia Palmer</td>
<td>163 Nancy Ln, St. NY 10307 347-389-0581</td>
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<td>917-691-2286</td>
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<td>176 Northfield Loop</td>
<td>917-202-9818</td>
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<td>Vishak Patel</td>
<td>66 Racecourse St N.Y 10305</td>
<td>917-603-1039</td>
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<td>Joe Fama</td>
<td>304 Manhattan St S.I, N.Y</td>
<td>347-533-0149</td>
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<td>Chris Johnson</td>
<td>195 Cotter Ave S.I N.Y</td>
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<td>Ahmed Mahgoub</td>
<td>481 A Father Copulian S.I, N.Y</td>
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<td>Dennis Sculpin</td>
<td>344 Crown Ave S.I, N.Y</td>
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<td>Midgie Fazio</td>
<td>170 Nancy Ln S.I N.Y</td>
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<td>Patrick Ruane</td>
<td>298 Manhattan St</td>
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<tr>
<td>Victor Schettino</td>
<td>191 Merri Ave S.I N.Y 10314</td>
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<tr>
<td>Marie Ollner</td>
<td>377 Tysen St</td>
<td>718-979-7868</td>
</tr>
<tr>
<td>Faye Cornino (Teddy)</td>
<td>86 Jumeir St</td>
<td>718-317-2304</td>
</tr>
<tr>
<td>Susan &amp; Rob DeSocio</td>
<td>158 New Dorp Plaza</td>
<td>917-397-8764</td>
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<td>Martha Lawrence</td>
<td>38 Stonegate Dr.</td>
<td>718-869-0186</td>
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<td>Sue Catrana</td>
<td>21 Midland Ave.</td>
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<td>164-25 176 St., Jamaica, NY 11433</td>
<td>(347) 772-0586</td>
</tr>
<tr>
<td>David Stephens</td>
<td>977 Dekalb Ave., Brooklyn, NY</td>
<td>917-600-1970</td>
</tr>
<tr>
<td>Andrew Capizzi</td>
<td>140 Rockland Ave., New York, NY</td>
<td>646-479-6599</td>
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<tr>
<td>Harry J. Reed</td>
<td>240 Parkhill Ave., New York, NY</td>
<td>347-636-0330</td>
</tr>
<tr>
<td>Dominick R. Parker</td>
<td>144 S. 64th Ave., New York, NY</td>
<td>917-626-3656</td>
</tr>
<tr>
<td>Venet Esquenzo</td>
<td>166 Roosevelt Ave., New York, NY</td>
<td>918-524-5812</td>
</tr>
<tr>
<td>Catherine Adams</td>
<td>2114 Ocean Ave., New York, NY</td>
<td>917-692-3970</td>
</tr>
<tr>
<td>M. Alvesalu</td>
<td>195 Wellington Court, New York, NY</td>
<td>718-869-1285</td>
</tr>
<tr>
<td>Nick Martin</td>
<td>67, 8th St., S.I., NY, 10301</td>
<td>347-655-5627</td>
</tr>
<tr>
<td>Samantha Forster</td>
<td>179 Califax Ave., S.I., NY, 10301</td>
<td>718-306-7688</td>
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<tbody>
<tr>
<td>Jack A.</td>
<td>44 Ottawa Pkwy St, NY 10307</td>
</tr>
<tr>
<td>Mr. &amp; Mrs. Smith</td>
<td>107 Hylan Blvd, St, NY 10304</td>
</tr>
<tr>
<td>John Smith</td>
<td>33 Witr Ave St, NY 10303</td>
</tr>
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<td>John Smith</td>
<td>91 Hylan Crest St, St, NY 10309</td>
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<tr>
<td>Kenneth Malcolm</td>
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<tr>
<td>Leonard Lerman</td>
<td>367 Elvia St, St, NY 10304</td>
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<tr>
<td>Mary Lerman</td>
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<tr>
<td>Ross Vanware</td>
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<td>Tony Vanware</td>
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<td>Sal &amp; Sons</td>
<td>145 Summit St, St, NY 10304</td>
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<tr>
<td>Donna Jones</td>
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<td>Ayman Farid</td>
<td>54 Ottawa Promenade St</td>
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<tr>
<td>Sarah Farid</td>
<td>54 Ottawa Promenade St</td>
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<tr>
<td>Nermeen Farid</td>
<td>54 Ottawa Prom. S.I.</td>
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<tr>
<td>Emir Farid</td>
<td>54 Ottawa Prom. S.I.</td>
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<tr>
<td>Meera Farid</td>
<td>54 Ottawa Prom. S.I.</td>
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<tr>
<td>Emil Farid</td>
<td>5 Gillard Ave S.I.</td>
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<tr>
<td>Mimi Farid</td>
<td>5 Gillard Ave. S.I.</td>
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<tr>
<td>Sherif Faraj</td>
<td>26 Algornkin St. S.I.</td>
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<tr>
<td>Gihan Faraj</td>
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<td>Mona Hegalar</td>
<td>35a Windham Loop. S.I.</td>
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<td>Michael Farid</td>
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<td>34 Ottaino Promenade</td>
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<td>Deb Fernicola</td>
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<tr>
<td>Michelle Windland</td>
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<tr>
<td>Mike Windland</td>
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<td>Danielle Esposito</td>
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<tr>
<td>Michael Gallo</td>
<td>398 Manhattan St.</td>
<td>917-993-6437</td>
</tr>
<tr>
<td>Will Kelly</td>
<td>580 Vandiver</td>
<td>646-787-6667</td>
</tr>
<tr>
<td>Dennis DelGaudio</td>
<td>376 Manhattan St.</td>
<td>718-864-9494</td>
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<td>Ann Marie Guido</td>
<td>376 Manhattan St.</td>
<td>917-734-0552</td>
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<tr>
<td>Sarah Tormaino</td>
<td>24 Robinsen Beach</td>
<td>516-465-6572</td>
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<tr>
<td>Blayse Halvorsen</td>
<td>50 Toline Dr.</td>
<td>212-915-7226</td>
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<tr>
<td>Mr. Amato</td>
<td>379 Poinsett Ave.</td>
<td>347-605-9636</td>
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<tr>
<td>Michelle Grumfreddo</td>
<td>419 Northwind Ave.</td>
<td>347-562-4829</td>
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<tr>
<td>Christine Hansche</td>
<td>133 Fill Bay St.</td>
<td>718-312-8885</td>
</tr>
<tr>
<td>Thomas</td>
<td>157 Finlay St.</td>
<td>&quot;  &quot;</td>
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<tr>
<td>Kim Jiangsader</td>
<td>53 J Davis Promenade</td>
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<tr>
<td>Pamela Jiangsader</td>
<td>53 O'Hara Promenade S 1, NY</td>
</tr>
<tr>
<td>Matthew Jiangsader</td>
<td>53 O'Hara Promenade Staten Island, NY</td>
</tr>
<tr>
<td>Eric Jiangsader</td>
<td>53 O'Hara Promenade, Staten Island, NY</td>
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<tr>
<td>Savadh Jiangsader</td>
<td>53 O'Hara Promenade S 1037</td>
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<tr>
<td>Tanya Parker</td>
<td>26 Algonkin St, NY</td>
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<tr>
<td>Tony Parker</td>
<td>86 Algonkin St, NY</td>
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<td>Taisia Sada</td>
<td>54 O'Hara Promenade, S1</td>
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<tr>
<td>Lucy Rodgers</td>
<td>65 Thoory Croft Ave, ST</td>
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<tr>
<td>Sandor Rodgers</td>
<td>68 Thoory Croft Ave, ST, NY</td>
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<td>Jennifer Gonzalé</td>
<td>71 S. Brander Ave</td>
<td>718-966-0673</td>
</tr>
<tr>
<td>Lidia Rodriguez</td>
<td>20 Rutherford Dr</td>
<td>718-227-2553</td>
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<tr>
<td>Harry Gonzalé</td>
<td>71 Saint Edward Lane</td>
<td>718-966-0672</td>
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<tr>
<td>Ray Amato</td>
<td>877 Poillon Ave</td>
<td>718-605-6777</td>
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<tr>
<td>Cynthia Delux</td>
<td>800 Lundy Ave</td>
<td>917-694-7532</td>
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<td>Peter Michael</td>
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<td>917-439-7985</td>
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<td>Jack Davis</td>
<td>112 Connecticut St</td>
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<td>Jaden Halvorsen</td>
<td>33 Waltz Ave</td>
<td>718-605-5372</td>
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<tr>
<td>Maureen Murphy</td>
<td>34 Robinson Rich</td>
<td>321-624-8608</td>
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<td>674 Yetman Ave</td>
<td>718-700-1264</td>
</tr>
<tr>
<td>Diory Joseph</td>
<td>777 Seaview</td>
<td>718-273-7749</td>
</tr>
<tr>
<td>Lauren Burner</td>
<td>517 Rathbun Ave/10312</td>
<td>718-667-2467</td>
</tr>
<tr>
<td>Britt Mychal-Clak</td>
<td>28 Stuyvesant Ave 10312</td>
<td>718-490-7089</td>
</tr>
<tr>
<td>Aggie Catalano</td>
<td>189 Rockland Ave 10304</td>
<td>718-979-2915</td>
</tr>
<tr>
<td>Louis Ocampo</td>
<td>1015 Centre Blvd 10806</td>
<td>718-264-8617</td>
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<td>Kamilla</td>
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<td>Cilla Maria</td>
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<tr>
<td>Kathy Foss</td>
<td>706 Rockaway St. 18657 718-948-9645</td>
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<tr>
<td>Linda Badioli</td>
<td>114 Hahn St. 11268-3152</td>
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<td>Sofia Tsoukas</td>
<td>717 Rockaway St. 718-619-9300</td>
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<td>James Devillo</td>
<td>711 Rockaway 3055 718-619-9303</td>
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<td>Michael Cook</td>
<td>778110th Ave. 347-266-4927</td>
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<td>Ashley Curtin</td>
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<td>Maria Devillo</td>
<td>637 Yonkers Ave. 917-349-6152</td>
<td></td>
</tr>
<tr>
<td>Marilou Soriano</td>
<td>536 College Ave 718-995-8428</td>
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</tr>
<tr>
<td>Gabriella Forma</td>
<td>149 Bay 11th St. (465-25-909)</td>
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<tr>
<td>Marie Lamance</td>
<td>23 Ocean Terrace</td>
<td>718-710-2504</td>
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<td>L. Redman</td>
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<td>718-667-2585</td>
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<tr>
<td>R. Addison</td>
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<td>718-667-2441</td>
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<td>John Hanley</td>
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<td>Kevin Paganio</td>
<td>3084 Rehband Rd, ST NY</td>
<td>917-402-2037</td>
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<tr>
<td>Toni Ann Cavallo</td>
<td>60 Robinson Ave, ST NY</td>
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<tr>
<td>Lori Chiara</td>
<td>29 Pncell St, ST NY</td>
<td>10310</td>
</tr>
<tr>
<td>Dilsa Delvalle</td>
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<tr>
<td>Ann Mest</td>
<td>777 Seaview Ave, NY</td>
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<tr>
<td>Annie Larner</td>
<td>919 Park Ave St NY   10310</td>
<td>718-984-3185</td>
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<td>Emily Ligon</td>
<td>719 Barlow Ave St NY 10312</td>
<td>917-685-1272</td>
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<td>Sergei Kharche</td>
<td>219 Riverwood Dr S. I NY 10312</td>
<td>718-317-9484</td>
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<td>Vladimir Efron</td>
<td>9 Remsen St St NY 10304</td>
<td>347-695-1593</td>
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<td>Rebecca McManus</td>
<td>37 High St St NY 10305</td>
<td>718-636-4873</td>
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<tr>
<td>Jane Ferrer</td>
<td>100 Millow Dr St NY 10309</td>
<td>718-987-4340</td>
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<tr>
<td>Anthony Lyon</td>
<td>77 Armstrong Ave St NY 10312</td>
<td>718-443-0020</td>
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<tr>
<td>William Z.</td>
<td>9 Pleasant Plains Av St NY 10310</td>
<td>917-447-6912</td>
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<td>D. Wagner</td>
<td>20 Beechwood Rd St NY 10309</td>
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<tr>
<td>Idriz Limanowski</td>
<td>1936 Richmond Ave</td>
<td>718-213-7012</td>
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<tr>
<td>James Martino</td>
<td>52 Lamb Loop</td>
<td>347-882-5836</td>
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<tr>
<td>Jennifer Marino</td>
<td>102 Page Ave</td>
<td>347-308-4936</td>
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<tr>
<td>Amber Crescenzio</td>
<td>55 Ambay Rd</td>
<td>347-669-5150</td>
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<tr>
<td>Christina Marino</td>
<td>437 Done Ave</td>
<td>347-380-4017</td>
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<tr>
<td>Stephanie Lymor</td>
<td>62 Amber St</td>
<td>718-234-4929</td>
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<td>Michael Pavellas</td>
<td>47 Joline Lane</td>
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<td>Richard Adamski</td>
<td>65 Tysen Ln</td>
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<td>Frank Jerome</td>
<td>913 Johnson St</td>
<td>917-201-9592</td>
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<tr>
<td>Francis Benneche</td>
<td>4207 Richmond Ave</td>
<td>718-356-3907</td>
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<tr>
<td>Kellie Liwanag</td>
<td>18 Mundy Ave 10310</td>
<td>917-612-4034</td>
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<td>Cheelee Chic</td>
<td>108 West Blvd 10308</td>
<td>917-903-2083</td>
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<td>Nathale Chase</td>
<td>250 E 38th St 10203</td>
<td>917-833-1211</td>
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<td>Dian Tajuddeen</td>
<td>47 Mary St. SVY 10304</td>
<td>718-619-7038</td>
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<tr>
<td>Alexa Sanchez</td>
<td>45 Paris Court 10310</td>
<td>347-616-8814-9004</td>
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<tr>
<td>Jarami Campberen</td>
<td>16 Bond St 10302</td>
<td>347-893-3559</td>
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<tr>
<td>(Last) Styles Susan</td>
<td>390 King St 10302-7623</td>
<td>718-667-2623</td>
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<tr>
<td>(Last) Barbaia Deutsch</td>
<td>57 Drysdale Pl 10314</td>
<td>718-666-4866</td>
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<tr>
<td>Jennifer Ramirez</td>
<td>400 Aragon Knolls Way BS 10312</td>
<td>718-667-2536</td>
</tr>
<tr>
<td>Julie Lamaita</td>
<td>321 Great Kills Rd 10308</td>
<td>(718) 667-2536</td>
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<tr>
<td>Angelica Mauti</td>
<td>43 Bruno Lane</td>
<td>918-400-4740</td>
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<td>Kayla Mangiero</td>
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<td>Perry Halvorsen</td>
<td>30 Joline Lane</td>
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<td>Samantha Leanza</td>
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<td>Jessica Seidto</td>
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<td>Joseph Leanza</td>
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<td>Josephine Andrea</td>
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<tr>
<td>Vincent Martin</td>
<td>777 Service AVE</td>
<td>718 667 2659</td>
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<tr>
<td>Kenny Grant</td>
<td>777 Service AVE</td>
<td>718 667 2659</td>
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<tr>
<td>Chad Westbrock</td>
<td>777 Service AVE</td>
<td>718 667 2659</td>
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<tr>
<td>Alan Diniwateron</td>
<td>11 Richard Lane</td>
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<td>Yolanda McIntosh</td>
<td>386 Grandview Ave S, NY 10303</td>
<td>347-938-1068</td>
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<tr>
<td>Alice George</td>
<td>82 Roosevelt Ave S, NY 10301</td>
<td>718-682-2463</td>
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<td>Paulette Presly</td>
<td>100 Kramen St S, NY 10301</td>
<td>212-267-2540</td>
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<td>James Cough</td>
<td>454 Arthur Kill Road S, NY 10306</td>
<td>347-337-8915</td>
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<td>Bixelle Palmer</td>
<td>26 Delaware St S, NY 10301</td>
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<td>Johnny Perez</td>
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<td>718-763-1023</td>
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<td>Pebbles Olsen</td>
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<td>718-403-4654</td>
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<td>Greg Estelle Jr</td>
<td>391 Cromwell Ave S, NY 10305</td>
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<td>Keith Hughes</td>
<td>116 Bathill St, NY 10307</td>
<td>646-728-4133</td>
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<td>Wally</td>
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- Build jetties that run from the shoreline out into the bay
- Replenish sand on the beach
- Build a better hardened dune system in the low areas, (this should be done west of Sprague Avenue toward the conference house)

This will protect the area where lives and homes were lost during Super Storm Sandy. We are totally against the pathway and water hub building that you are trying to install on higher grounds that would run east of Sprague Avenue toward Page Avenue. This has nothing to do with storm recovery. It will only take away our safety, quality of life, and be an invasion of our privacy.

We need the water hub building to be located at the conference house (at the south end of Hylan Boulevard), where it has a 260 acre buffer zone. This hub can bring money to the conference house and be protected from the bay. Parking and public transportation are already in place to access the water hub if built at this location.

The millions of dollars saved by not installing a pathway running from Sprague Avenue to Page Avenue can be used to get families back into their homes with better protection which will save lives.

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<td>(718)966-6316</td>
</tr>
<tr>
<td>Stephanie DePaulo</td>
<td>N 8 Brighton St</td>
<td>718-948-1332</td>
</tr>
<tr>
<td>Kelee Laplante</td>
<td>241 Crown Ave</td>
<td>(718)966-6316</td>
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<tr>
<td>Joan Sulll</td>
<td>119 Seaview Ave</td>
<td>617-627-8682</td>
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<tr>
<td>Cheryl Blye</td>
<td>92 Valdona Ave</td>
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<td>Jyree Atascena</td>
<td>210 Butte Rd</td>
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<td>Giovanna M. Gentile</td>
<td>44 Ottavio Bon Simy</td>
<td>347-331-4578</td>
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<tr>
<td>Nelson Zamot</td>
<td>637 Gaeths Rd n SF</td>
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<tr>
<td>Robert Murphy</td>
<td>21 Robinson Blvd</td>
<td>312-626-8060</td>
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<tr>
<td>Elizabeth Meola</td>
<td>448 Hylan Blvd</td>
<td>718-277-6916</td>
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<tr>
<td>Jack Marie Dean</td>
<td>451 Manhattan St</td>
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<tr>
<td>Muldoon</td>
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<td>718-948-3863</td>
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<td>Smith Johnson</td>
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<tr>
<td>Ann Muscoard</td>
<td>60 Hillcrest St.</td>
<td>732-406-382</td>
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<td>John Ryan</td>
<td>124 Milton Ave</td>
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<tr>
<td>Matthew Nichols</td>
<td>53 Spratt Ave</td>
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<td>Margaret Alcorn</td>
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<td>Emily Castelli</td>
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<td>Nancy Castelli</td>
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<td>John Castelli</td>
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<tr>
<td>Jean Dobman</td>
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<td>Nicholas Palagona</td>
<td>486 Yetman Ave 10307</td>
<td>718-9874076</td>
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<tr>
<td>Tracey Haltowicz</td>
<td>174 Barnard Ave 10307</td>
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<td>Maria Hasson</td>
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<td>Karen Ferreri</td>
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<td>Maria Gillie</td>
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<td>Danielle Hurley</td>
<td>73 College St</td>
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<td>Mr. Musto</td>
<td>355 Manhattan St</td>
<td>917-552-0105</td>
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<td>Mrs. Panciocco</td>
<td>376 Manhattan St</td>
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<td>Mrs. Bros.</td>
<td>395 Manhattan St</td>
<td>718-318-1881</td>
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<tr>
<td>Mrs. Winnie</td>
<td>315 Manhattan St</td>
<td>317-681-0200</td>
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<tr>
<td>L. Schulin</td>
<td>117 Kreischer St</td>
<td>917 568 2642</td>
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<tr>
<td>el. M. Snyder</td>
<td>127 Kreischer St</td>
<td>646-460-2944</td>
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<tr>
<td>Christine DeMicelli</td>
<td>33 West Ave</td>
<td>347-563-4014</td>
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<tr>
<td>Janet K.</td>
<td>35 Torefly Pl</td>
<td>646-752-2030</td>
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<tr>
<td>Everett Rodriguez</td>
<td>20 Rutherford CT</td>
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<tr>
<td>Joe Popp</td>
<td>7219 Ambey Rd</td>
<td>718-494-4251</td>
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<td>Christian Rosado</td>
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<tr>
<td>Jen Ritchie</td>
<td>14F Fisher Ave</td>
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<td>Desiree Ciffi</td>
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<td>Robin Byrne</td>
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<td>Anthony DeMeo</td>
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<td>Louise DeMeo</td>
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<td>Robert Marchal</td>
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<td>Anthony Ills</td>
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<td>Tracy Abbot</td>
<td>91 Hecker St</td>
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<td>Joseph Gillis</td>
<td>8912 McCullough St</td>
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<tr>
<td>Daniel Willoughby</td>
<td>165 Johnson</td>
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<td>Jose Rodriguez</td>
<td>167 Adelaide</td>
<td>(347) 928-1153</td>
</tr>
<tr>
<td>Ann Sadee</td>
<td>138 Timber Ridge Dr</td>
<td>716-808-3514</td>
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<tr>
<td>Iris Vega</td>
<td>55 Adams Ave</td>
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<td>29A Bradley court</td>
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<tr>
<td>Vito Gobbie III</td>
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<td>Christian Davis</td>
<td>57 Myrtle Ave</td>
<td>917-816-6170</td>
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<tr>
<td>Tawana Davenport</td>
<td>61 Jersey St, NY</td>
<td>(347) 874-1709</td>
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<td>Doug Carter</td>
<td>777 Seaview Ave</td>
<td>917-230-2605</td>
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<tr>
<td>Marcella Turner</td>
<td>777 Seaview Ave</td>
<td>(718) 667-2605</td>
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<td>Darcy Nobles</td>
<td>183 Park Hill ave</td>
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<td>Kelly Russo</td>
<td>23 Beacon Ave, 10306</td>
<td>(718) 938-204</td>
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<td>Rose Marie William Bruno</td>
<td>246 Milton Ave 10306</td>
<td>917-507-6085</td>
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<tr>
<td>Roger Santini</td>
<td>4440 Old Country Lane 10305</td>
<td>788-890-354</td>
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<td>Rimma Mann</td>
<td>119 Hillecrest Terrace 10305</td>
<td>781-916-2935</td>
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<td>Teresa Jones</td>
<td>1174 Richmond Rd. 10306</td>
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<td>Susan Malone</td>
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<td>Ann Werner</td>
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<td>Mike Russo</td>
<td>202 Bedell Ave</td>
<td>718-559-8245</td>
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<td>Julie Russo</td>
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<td>John Russo</td>
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<td>Dawn Calabrese</td>
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<td>Joseph Calabrese</td>
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<td>Nicole Calabrese</td>
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<td>Gianna Calabrese</td>
<td>212 Bedell Ave</td>
<td>917-921-4797</td>
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<tr>
<td>Anthony Sauv</td>
<td>36 Rice Ln</td>
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<tr>
<td>Leonello Sauv Sr</td>
<td>36 Rice Ln</td>
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<td>JoAnn DiFilippo</td>
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<td>Filippo Russo</td>
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<tr>
<td>Maria Russo</td>
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<td>Armando DiFilippo</td>
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<tr>
<td>Kim A. Preli</td>
<td>123 Bedell Ave.</td>
<td>917-709-9072</td>
</tr>
<tr>
<td>Erin Freund</td>
<td>17 Kepele Ave</td>
<td>347-596-0424</td>
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<tr>
<td>Dzmitry Shvets</td>
<td>218 Finley Ave, 10306</td>
<td>718-667-2695</td>
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<tr>
<td>Mark Barber</td>
<td>17 Hinton St, 10312</td>
<td>718-617-2369</td>
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<td>Marjorie Gumus</td>
<td>23A Pierce St, 10304</td>
<td>347-782-4453</td>
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<tr>
<td>Sharon Eaton</td>
<td>267 Mosel Ave, 10304</td>
<td>718-815-2022</td>
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<tr>
<td>Laura Taranova</td>
<td>261-B Signet Rd</td>
<td>718-761-5895</td>
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<tr>
<td>Roberta Cary</td>
<td>489 Ring Street</td>
<td>917-750-1899</td>
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<tr>
<td>Debbie Deas</td>
<td>185 Parkhill Ave, 347-583-7413</td>
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<tr>
<td>Patricia Favor</td>
<td>110 Wright St</td>
<td>347-276-1189</td>
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<td>Karen Dominguez</td>
<td>928 Armstrong Ave, 718</td>
<td>227-3547</td>
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<tr>
<td>Kathy O'Sullivan</td>
<td>151 Redford Ave</td>
<td>917-517-1257</td>
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<tr>
<td>Sue Sleight</td>
<td>170 Yetman Ave</td>
<td>718-998-7313</td>
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<tr>
<td>Stephanie Sleight</td>
<td>170 Yetman Ave</td>
<td>347-9144-2054</td>
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<td>Sarah Sleight</td>
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<td>Michelle Sleight</td>
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<td>Michael Sleight</td>
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<td>718-948-7313</td>
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<tr>
<td>Tommy Mazzi</td>
<td>341 Chelsea St</td>
<td>718-967-9300</td>
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<tr>
<td>Frank Sparrow</td>
<td>24 KAPPIL Ave</td>
<td>718-619-2201</td>
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<tr>
<td>Gay Valente</td>
<td>50 Galv Ave</td>
<td>718-966-6161</td>
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<tr>
<td>Angela Gaudioso</td>
<td>Klein</td>
<td>718-967-5814</td>
</tr>
<tr>
<td>Rory Klein</td>
<td>300 Brighton St</td>
<td>718-962-5866</td>
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<td>Joseph Steiner</td>
<td>7219 Amboy Rd</td>
<td>718-494-4551</td>
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<tr>
<td>Fabio Minzillo</td>
<td>7219 Amboy Rd</td>
<td>718-494-4551</td>
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<td>Chris &quot;The animal&quot; Tizino</td>
<td>783 Stafford Ave</td>
<td>718-786-8072</td>
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<tr>
<td>Frank Stigli</td>
<td>381 Seaver St</td>
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<td>John Russoi</td>
<td>102 wady st</td>
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<td>Ron Pestel</td>
<td>1950 lot</td>
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<td>Chris Koomen</td>
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<td>Jody Koomen</td>
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<tr>
<td>Chris Kilomko</td>
<td>32 Chelsea st</td>
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<td>Rosemary Taranto</td>
<td>2 Elmwood Ave De 46</td>
<td>718-665-5767</td>
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<tr>
<td>Vincent Scull</td>
<td>188 Merrick Ave S I NY 10749</td>
<td>718-423-5355</td>
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<tr>
<td>Jared Castellotti</td>
<td>39 Knox Place SI NY 10244</td>
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<td>Phil Evon</td>
<td>265 Randolph St Carteret</td>
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<td>Stephen Kiss</td>
<td>82 County Road Princeton</td>
<td>908-651-7723</td>
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<tr>
<td>Matt Jacobs</td>
<td>71 Lexington Ave Brooklyn, NY 11238</td>
<td>718-45-5454</td>
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<tr>
<td>Carol Purzycki</td>
<td>186 Merrick Ave SI NY 10314</td>
<td>718-983-6182</td>
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<td>Thomas Purzycki</td>
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<td>Reid Bartish</td>
<td>8 Lyndale Court SI NY 10714</td>
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<td>John Hinton</td>
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<td>Marguerite Turenne</td>
<td>876 CI Ave, BKlyn 718-885-438</td>
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<tr>
<td>Daniel Reid</td>
<td>PO Box 576, SY 10304 954-720487</td>
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<tr>
<td>Roland Angel</td>
<td>44 Main St, SY 10304 718-667-6065</td>
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<td>Mark Rivera</td>
<td>1090 Bay St, SY 10305 917-939-8016</td>
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<tr>
<td>Tiffany Li</td>
<td>461 Dogan Hills Ave, S.I. NY 10705 917-292-3402</td>
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<td>Anna Goldshteyn</td>
<td>301 Leonard Ave, SY 10304 917-603-5351</td>
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<tr>
<td>Gina M. Montana June</td>
<td>777 Seaview Ave, SY 10301 718-667-2505</td>
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<tr>
<td>Joseph Dijkstra</td>
<td>777 Seaview Ave, SY 10301 347-579-7046</td>
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<tr>
<td>David B. Lavoie</td>
<td>35 Albert St, 2nd floor 10305-917-572-3377</td>
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<tr>
<td>John Carise</td>
<td>123 QSt, SY 10306 718-351-4448</td>
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Demand the Governor's Office of Storm Recovery and the Senior Program Manager of the Living Breakwaters Project use the 60 million dollars given for this project to:

- Build jetties that run from the shoreline out into the bay
- Replenish sand on the beach
- Build a better hardened dune system in the low areas, (this should be done west of Sprague Avenue toward the Conference House)

This will protect the area where lives and homes were lost during Super Storm Sandy. We are totally against the pathway and water hub building that you are trying to install on higher grounds that would run east of Sprague Avenue toward Page Avenue. This has nothing to do with storm recovery. It will only take away our safety, quality of life, and be an invasion of our privacy.

We need the water hub building to be located at the Conference House (at the south end of Hylan Boulevard), where it has a 260 acre buffer zone. This hub can bring money to the Conference House and be protected from the bay. Parking and public transportation are already in place to access the water hub if built at this location.

The millions of dollars saved by not installing a pathway running from Sprague Avenue to Page Avenue can be used to get families back into their homes with better protection which will save lives.

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<tr>
<td>Cathy Varvare</td>
<td>90 Billup Ave</td>
<td>718-702-8707</td>
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<td>Joseph Varvare</td>
<td>90 Billup Ave</td>
<td>718-877-2121</td>
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<tr>
<td>Fran Scapeci</td>
<td>90 Billup Ave</td>
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<tr>
<td>Amanda Messina</td>
<td>168 Presentation Circle</td>
<td>718-980-60430</td>
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<td>Matthew Fiorelli</td>
<td>168 Presentation Circle</td>
<td>347-782-2773</td>
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<tr>
<td>Karen Sexton</td>
<td>681 Yeoman Ave</td>
<td>718-967-1770</td>
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<td>674 Yeoman Ave</td>
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<td>John Dell Russo</td>
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<td>718-886-8835</td>
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<tr>
<td>Carolyn Albanese</td>
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- Build a better hardened dune system in the low areas, (This should be done west of Sprague Avenue toward the conference house)

This will protect the area where lives and homes were lost during Super Storm Sandy. We are totally against the pathway and water hub building that you are trying to install on higher grounds that would run east of Sprague Avenue toward page avenue. This has nothing to do with storm recovery. It will only take away our safety, quality of life, and be an invasion of our privacy.

We need the water hub building to be located at the conference house (at the south end of Hylan Boulevard), where it has a 260 acre buffer zone. This hub can bring money to the conference house and be protected from the bay. Parking and public transportation are already in place to access the water hub if built at this location.

The millions of dollars saved by not installing a pathway running from Sprague Avenue to Page Avenue can be used to get families back into their homes with better protection which will save lives.

********** THIS IS CALLED STORM RECOVERY **********

<table>
<thead>
<tr>
<th>NAME</th>
<th>ADDRESS</th>
<th>PHONE NUMBER</th>
</tr>
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<tbody>
<tr>
<td>Patty Verdiglio</td>
<td>49 Hunter Ave</td>
<td>718-766-6419</td>
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<td>Eileen Brown</td>
<td>224 Atlantic Ave</td>
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<td>Margaret Pirrello</td>
<td>51 Romer Rd.</td>
<td>917-575-9498</td>
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<td>Connie Assennato</td>
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<td>Marie Deerr</td>
<td>991 Rathbone Ave.</td>
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<td>Jackie Giuffre</td>
<td>424 Stowe Ave. 10306</td>
<td>718-351-3440</td>
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<td>Philip and Anna Paolino</td>
<td>3 Taunton St. 10306</td>
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<td>Paula Rajo</td>
<td>1945 63rd St. Bklyn 11204</td>
<td>917-596-45</td>
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<tr>
<td>Scott Brady</td>
<td>93 Byrne Ave. 10314</td>
<td>917-754-6778</td>
</tr>
<tr>
<td>Jeramy Johnson</td>
<td>91 Hooper Ave</td>
<td>317-419-2975</td>
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TOTTENVILLE RESIDENTS GROUP PETITION

DEMAND THE GOVERNOR'S OFFICE OF STORM RECOVERY AND THE SENIOR PROGRAM MANAGER OF THE LIVING BREAKWATERS PROJECT USE THE 60 MILLION DOLLARS GIVEN FOR THIS PROJECT TO:

- BUILD JETTIES THAT RUN FROM THE SHORELINE OUT INTO THE BAY
- REPLENISH SAND ON THE BEACH
- BUILD A BETTER HARDENED DUNE SYSTEM IN THE LOW AREAS, (THIS SHOULD BE DONE WEST OF SPRAGUE AVENUE TOWARD THE CONFERENCE HOUSE)

THIS WILL PROTECT THE AREA WHERE LIVES AND HOMES WERE LOST DURING SUPER STORM SANDY. WE ARE TOTALLY AGAINST THE PATHWAY AND WATER HUB BUILDING THAT YOU ARE TRYING TO INSTALL ON HIGHER GROUNDS THAT WOULD RUN EAST OF SPRAGUE AVENUE TOWARD PAGE AVENUE. THIS HAS NOTHING TO DO WITH STORM RECOVERY. IT WILL ONLY TAKE AWAY OUR SAFETY, QUALITY OF LIFE, AND BE AN INVASION OF OUR PRIVACY.

WE NEED THE WATER HUB BUILDING TO BE LOCATED AT THE CONFERENCE HOUSE (AT THE SOUTH END OF HYLAN BOULEVARD), WHERE IT HAS A 260 ACRE BUFFER ZONE. THIS HUB CAN BRING MONEY TO THE CONFERENCE HOUSE AND BE PROTECTED FROM THE BAY. PARKING AND PUBLIC TRANSPORTATION ARE ALREADY IN PLACE TO ACCESS THE WATER HUB IF BUILT AT THIS LOCATION.

THE MILLIONS OF DOLLARS SAVED BY NOT INSTALLING A PATHWAY RUNNING FROM SPRAGUE AVENUE TO PAGE AVENUE CAN BE USED TO GET FAMILIES BACK INTO THEIR HOMES WITH BETTER PROTECTION WHICH WILL SAVE LIVES.

*************** THIS IS CALLED STORM RECOVERY ***************

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<tr>
<th>NAME</th>
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<td>Earl William</td>
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<td>David Abramson</td>
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<td>Reva Castel</td>
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<td>Herbert Castel</td>
<td>19 Dintree Lane</td>
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<tr>
<td>Sheila Abramson</td>
<td>19 Dintree Lane</td>
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<tr>
<td>Ed Abramson</td>
<td>19 Dintree Lane</td>
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<td>Joyce Sette</td>
<td>26 Dintree Lane 10307</td>
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<td>Frank Sette</td>
<td>29 Dintree Lane 10307</td>
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<td>George Saulo</td>
<td>808 Page Ave S. 10307</td>
<td>984-2547</td>
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<td>Ellen Saulo</td>
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<td>984-2547</td>
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