

THE NEW NORMAL: COMBATING STORM-RELATED EXTREME WEATHER IN NEW YORK CITY

October 2021 Monthly Update



NYC

Table of Contents

Introduction	3
October 25-26: New Strategies in Action	4
Key Progress in October 2021	7
Update on Federal Support	12
Update on All Initiatives	14

Introduction

On September 27, 2021, the de Blasio Administration released *The New Normal: Combatting Storm-Related Extreme Weather in New York City*. The report was delivered to the Mayor by the Extreme Weather Response Task Force, a top-level convening of senior leaders across City agencies, along with outside experts on climate change and resiliency. A full copy of the report can be found here: <https://on.nyc.gov/IdaReport>.

The *New Normal* described a new reality for our city — one in which extreme storms are more frequent and more intense, and even so-called storm “remnants” like those from *Ida* are as ferocious and dangerous as those aimed directly at New York City. The report called on City government and its agencies to educate, train, and acclimate all New Yorkers to this new world, as well as implement more aggressive planning to prepare for the worst-case scenario in every instance. The *New Normal* laid out a series of protocol and policy enhancements to achieve these goals, and identified short- and long-term infrastructure upgrades to transform the City’s readiness. The report also called on all levels of government – from the New York City Council to New York State to the Federal government – to work in common cause, advocating for specific legislation and collaboration to protect New Yorkers.

Finally, *The New Normal* documented the de Blasio Administration’s commitment to update New Yorkers on the progress of these initiatives consistently through the end of the Administration, in a series of monthly progress reports. This first monthly report details the immediate progress made in the month since the report’s release.

October 25-26: New Strategies in Action

Less than four weeks after the release of The New Normal report, New York City again faced an extreme storm and rainfall on Monday, October 25, and Tuesday, October 26. In the lead-up to the storm, the City and its agencies put into action new strategies from the report, including:

- **Enhanced public messaging.** After the City's Flash Flood Emergency Plan was activated on October 24, the Notify NYC program issued more than 20 multilingual emergency alerts and updates to New Yorkers before, during, and after the storm. Additional alerts included messaging to encourage New Yorkers to prepare for severe weather by clearing catch basins to prevent flooding, take extra precautions if they lived in a basement apartment, and related preparedness and safety tips. New York City Emergency Management (NYCEM) also issued a travel advisory and an Advance Warning System (AWS) message to organizations that serve people with disabilities and others with access and functional needs on October 25. These messages were shared with agency partners, community-based and nonprofit organizations, and elected officials.
- **Enhanced outreach to vulnerable areas.** The Mayor's Public Engagement Unit (PEU) and Community Affairs Unit (CAU) contacted community leaders, community-based organizations, and local elected officials to help spread the word pre-storm. These teams also conducted outreach to vulnerable New Yorkers identified through Ida recovery efforts, warning them of impending rainfall. During the storm, vulnerable New Yorkers were contacted to ensure the city was responsive to conditions on the ground and could connect them to any needed services.
- **Enhanced support for households.** The City delivered more than 1,000 filled sandbags to homeowners in vulnerable areas identified by Ida, helping prevent flooding.
- **Clearing more catch basins pre-storm.** The City cleaned and cleared more than 4,500 catch basins pre-storm, with a high priority on basins located on major roadways and basins in Ida-affected neighborhoods. Across social media and other channels, the City also urged New Yorkers and Community Emergency Response Teams (CERT) to remove litter and leaves from on top of basin grates in their own neighborhoods.
- **Clearing debris from sewers.** The Department of Environmental Protection (DEP) removed debris from high-priority sewers, in areas that saw significant damage from Ida.
- **Partnering with the City's new private weather & forecasting vendor.** After Ida, the City contracted a new vendor to supplement the forecasts of the National Weather Service (NWS) and focus specifically on New York City impacts. During recent storms, this new partner closely monitored the weather events as they hit surrounding regions and advised the City with forecasting and predictions specific to the neighborhood level.
- **Monitoring new triggers for a travel ban.** After Ida, the City also developed more aggressive thresholds that would trigger a travel ban ahead of extreme storms, and communicated these new triggers to both the NWS and our private forecaster. While these were not reached during the October 25-26 storms, the City monitored them closely with NWS and our third-party forecasting vendor, and stood ready to implement the ban.

- **Monitoring inland, low-lying areas for flooding.** The City and its agencies – including NYCEM, the New York City Fire Department (FDNY), the New York City Police Department (NYPD), and more – intensely tracked vulnerable inland areas for flooding, and stood ready to initiate evacuations as needed. Agencies also focused on these areas when doing pre-storm mitigation activities.

[As detailed in the full report](#), the Administration’s new playbook to address extreme weather spans years and significant long-term infrastructure upgrades. Yet on the following pages, you will see progress is already happening – short-term policy and protocol enhancements that are already making a key difference.

Key Progress in October 2021

One month after the release of *The New Normal: Combatting Storm-Related Extreme Weather in New York City*, City agencies have already made significant progress toward short-term goals identified in the report. This progress has occurred across a wide range of areas, including: assistance for New Yorkers still recovering from Ida; communications enhancements; data enhancements; infrastructure improvements; and significant steps taken to immediately protect those in basement units. Key policy and protocol changes already underway include:

Communications Enhancements

- **New emergency communications.**

In *The New Normal*, the City committed to educating, training, and acclimating all New Yorkers to our new climate reality – one in which extreme storms like Ida are more common, more dangerous, and can occur with little lead time. NYCEM has convened a roundtable of government and academic leaders to evaluate the City’s extreme weather warning communications, and is bringing together focus groups of New Yorkers to test language and determine the most effective messaging ahead of extreme storms. This testing will result in messaging that more rapidly and urgently reaches New Yorkers, especially those in vulnerable areas, and alerts them to upcoming danger.

- **New warning signage to drivers at flood-prone roadways.**

In the wake of Ida, DOT committed to adding warning signage for drivers at 100 flood-prone locations across the five boroughs – warning drivers that an upcoming stretch of roadway is prone to flooding in the event of bad weather, and urging them to avoid the area. All signage has already been designed by the DOT team, and the first two signs have now been installed on the FDR Drive in Manhattan and Brookville Boulevard in Queens. The remaining 98 signs will be installed by June 1, 2022, ahead of the next hurricane season.



- **New “Rainboots on the Ground” team.**

Ida demonstrated the importance of trusted messengers to reach the New Yorkers most at risk from extreme weather events, including basement residents. In *The New Normal*, the City announced a “Rainboots on the Ground” initiative — funding participating community-based organizations (CBOs) to conduct door-to-door canvassing of basement apartments before an extreme weather event. Canvassing networks will highlight the impending threat, advise of evacuation, provide the closest refuge location,

and disseminate information about available resources to residents. The City will release its RFP in November 2021 to solicit and select 60 community partners, reaching across all five boroughs with a particular focus on vulnerable areas hit by Ida.

Data Enhancements

- **New FloodNet Sensors.**

The City has installed FloodNet Sensors in 13 locations in Brooklyn and Queens at priority locations (Gowanus, South Williamsburg, Hamilton Beach, and Rockaway Peninsula) that experience regular flooding during storm and high tide events. These sensors will have a wide range of benefits, including: feeding into an early warning system throughout City agencies and vulnerable communities; informing road closures and travel bans; identifying areas that most urgently need post-storm assistance; and informing long-term stormwater tidal flooding resiliency planning. Using additional grant funding, the City will deploy additional sensors in the pipeline over the next two months – and is finalizing a five-year plan to deploy 500 sensors across all five boroughs.

Additionally, by January 2022 the City will have an active sensor data dashboard online for City agency, community, and researcher use. This data dashboard will embed data from the sensors to inform extreme weather responses.

Infrastructure Improvements

- **Drainage solutions for community driveways.**

Several community driveways, which are below-grade alleys behind residential streets that provide access to basement-level garages, are in low-lying areas that were significantly flooded during Ida. The City, led by DEP, has committed to connecting these driveways to nearby City sewers. The first of these improvements has now been completed in East Elmhurst, Queens. DEP will improve 40 more of these driveways over the next 6 months, all in advance of the 2022 hurricane season.



- **Increasing frequency of cleaning catch basins.**

Before every storm, the Department of Sanitation (DSNY) now clears 1,500 catch basins per day — three times the number the Department previously cleaned ahead of storms (i.e., 500 per day) before Hurricane Ida. This includes an emphasis on catch basins on highways, which prevents major roadway flooding and dangerous driving conditions.

- **Providing sandbags to City residents pre-storm.**

Sandbags offer a simple but effective way to prevent or reduce flood water damage, acting as a wall that can form the first layer of defense or re-route water around, instead of through, buildings. In the wake of Ida, the Department of Transportation (DOT) committed to immediately procuring 10,000 sandbags for residents in single-family to four-family homes in advance of future storms. These sandbags have now been filled and will be distributed to residents within this month. The City will continue to scale up to eventually 100,000 sandbags to support these at-risk residents, and will have distribution sites across all five boroughs.



Action to protect New Yorkers in basements

- **New NYPD protocols for basement unit evacuations.**

On September 28 and October 6, the NYPD conducted two basement-specific evacuation drills to further the Department's readiness for emergencies like Ida. The NYPD has also trained 145 members of the Police Department's Emergency Service Unit in Urban Water Rescue and beginning in early November, will be training members from the Critical Response Command and Strategic Response Group in Urban Water Rescue.

The NYPD has also re-issued protocols for planning and operations as follows:

- 36 hours pre-storm – Collaborate with NYCEM, recommend pre-deployment of essential resources.
- 4 hours pre-storm – Ensure resources are pre deployed, maintain staffing levels, inspect storm vulnerable locations.
- During the storm – Coordinate deployment of resources as necessary, coordinate with NYCEM, monitor and track 911 calls for storm related incidents.
- Post-storm – Coordinate life safety canvassing, monitor and track 911 calls for storm related incidents.

- **New working group for Basement Apartment Conversion program.**

The City has launched a working group to expand the basement pilot program, comprised of representatives across city agencies and outside experts. By the end of December, this group will present recommendations on how to safely expand the program across the city.

- **Database and survey of basement apartments.**

The City is building a database in the next two months to catalogue basement apartments and who lives in them to quickly alert property owners and tenants of flood risk. The City will also survey subgrade spaces across the five boroughs with external partners.

Update on Federal Support

Extending Government Funding and Delivering Emergency Assistance Act

Since the publication of The New Normal, Congress passed H.R. 5305, the Extending Government Funding and Delivering Emergency Assistance Act, a significant disaster relief package which provides aid to states and localities hit hardest by Hurricane Ida.

Highlights from this package include:

- **\$275 million** for the Emergency Watershed Protection Program, which will provide significant funding for the City's expansion of Bluebelts – ecologically rich and cost-effective drainage systems that handle runoff precipitation
- **\$3 billion** for US Army Corps Construction, including \$1.5 billion set aside for Ida-impacted areas
- **\$1.2 billion** to the Small Business Administration (SBA) to support approximately \$6.2 billion in low-interest loans to help businesses, nonprofit organizations, homeowners, and renters recover from Hurricane Ida and other disasters
- **\$826 million** for US Army Corps Flood Control and Coastal Emergencies
- **\$2.6 billion** for Federal Highways to reimburse states and territories for damage from natural disasters to roads and bridges
- **\$5 billion** for long-term disaster recovery relief for major disasters that occurred in 2020 or 2021, including restoration of housing and infrastructure, economic revitalization, and mitigation measures.

The City continues to work with federal lawmakers to determine the exact level of funding and support H.R. 5305 will provide to New York City. This disaster relief package will play a significant role in funding recovery from Ida, deepening resiliency efforts, and improving the City's infrastructure.

FEMA Assistance for Ida-Affected Homeowners

Homeowners have begun receiving assistance from FEMA for critical repairs for damages as a result of Ida. However assistance has been much lower than what is needed based on the extent of the damages. The City is working with Federal partners to push FEMA to:

- Align assistance with local costs of repair instead of a national standard.
- Share detailed data on awards and estimates with NYC.
- Revisit what FEMA considers as critical repairs to include more.
- Speed up process to get people money faster.

Update on All Initiatives

Commitment Title	Agency Owner	Commitment Update
Response #1: Immediate enhancements to extreme weather communications.		
1. Extreme Weather Coordinator in Mayor's Office	MO	The new Extreme Weather Coordinator, Deputy Mayor Wolfe, continues to work closely with NYCEM and other agencies to lead and organize extreme weather responses.
2. Increased mandatory evacuations	MO, NYCEM	NYCEM created new public messaging to be released during mandatory evacuations, which is now incorporated into the City's public warning and messaging templates. The messaging is translated into 13 languages.
3. Increased travel bans	MO, NYCEM	NYCEM drafted new public messaging in 13 languages and Wireless Emergency Alert (WEA) messaging for travel bans due to extreme weather.
4. Warning signage	DOT, NYCEM	DOT installed signage at the first two locations: FDR Drive and Brookville Blvd. By July 2022, DOT will install warning signage at 100 flood-prone locations.
5. Updating Early warning system	MO, NYCEM	NYCEM enhanced its public communications with a more aggressive early warning system, including messaging for residents to "prepare" and potentially "move to higher ground," if conditions warrant. The new messaging was used during September and October 2021 to warn New Yorkers of potential storm conditions.

Commitment Title	Agency Owner	Commitment Update
Improved communication to homeowners:		
6. Creating Basement-specific messaging and alerts	NYCEM	NYCEM drafted basement-specific messaging and alerts, which will be available in 13 languages. NYCEM is updating the City's Flash Flood Emergency Plan to include triggers for inland basement evacuations and templates for associated public messaging.
7. Flooding guidance in DEP communications	DEP	DEP is working on the design and proposed language for outreach materials.
8. Developing field-validated stormwater flood maps	DEP, MOCR	DEP is assessing modeled scenarios to develop current day stormwater maps.
9. Expanding Flood Risk and Flood Insurance Awareness in Inland Areas.	HPD, MOCR	HPR and MOCR are designing materials about flood risk and flood insurance specifically tailored for inland neighborhoods and identifying priority inland neighborhoods to expand outreach.
10. Restarting FloodHelpNY in-home resiliency audits and financial counseling programs/ retrofits for 1-4 family homes	HPD, MOCR	MOCR is coordinating with HPD and the Center for NYC Neighborhoods to identify priority neighborhoods for audits and develop program eligibility requirements.
11. Restarting vulnerable multifamily building resiliency audits under FloodHelpNY	HPD, MOCR	MOCR initiated a review and analysis of post-Hurricane Sandy assessments that will inform a new multi-hazard assessment methodology. This methodology will be deployed across HPD-supervised developments housing vulnerable residents.
12. Spreading the word on Zoning for Coastal Flood Resiliency (ZCFR) law.	DCP	DCP prepared materials for the public explaining zoning for coastal flood resiliency and planning for resilient neighborhoods at nyc.gov/zcfr .

Commitment Title	Agency Owner	Commitment Update
Improved communication in vulnerable communities:		
13. “Rainboots on the Ground”	NYCEM	NYCEM developed a “Rainboots on the Ground” RFP expected to be released in early November.
Improved communication and support for small business owners & commercial property owners:		
14. Increasing communication pre and post event	NYCEM, SBS	NYCEM updated its website to include additional information on flood preparation and will update its Ready NY printed materials. Additionally, NYCEM drafted a proposal for a robust preparedness campaign to engage media and non-profits through mass mailing, updates to preparedness guides (with translated materials), and an ethnic media campaign. SBS is increasing communications into their business support services and ramping up internal systems to quickly share critical information related to extreme weather, commercial leases, and business interruptions.
15. Expanding SBS Business PREP (BPREP) citywide	SBS	SBS is developing online resiliency resources to encourage businesses to make informed decisions about their preparedness plans. SBS plans to integrate resiliency best practices into all SBS services so that New Yorkers who consume those services can understand and plan for resiliency as an essential part of business success.
16. Expanding Small Business Emergency Grant fund	SBS	SBS is exploring the necessity of public rulemaking for expanding the Small Business Emergency Grant Fund.
Response #2: Immediate enhancements to storm analysis & data initiatives.		
1. Expand the Flood Sensor Network citywide	MOCR	FloodNet was launched in 2020 and is currently comprised of 13 sensors. The next sensor deployments are planned for Bushwick and South Williamsburg. SBS is soliciting a contractor to locally design and manufacture more sensors. MOCR is identifying additional locations interested in sensors and more sensors will be deployed in other flood-prone neighborhoods this fall.

Commitment Title	Agency Owner	Commitment Update
2. Enable real-time crisis information via drone data collection	NYCEM	NYCEM is drafting a scope of work to contract a drone vendor.
3. Citywide map of combined flood risk and model of all flooding hazards.	DEP, MOCR	MOCR and DEP are developing the project scope and coordinating with relevant experts on the New York City Panel on Climate Change to resolve methodological questions about the best way to pursue a compound flood map.
4. Partner with private weather forecasting service	NYCEM	NYCEM contracted with a private vendor in October 2021 who has already been used for forecasting storms in October.
5. Develop a Coastal Flood Vulnerability Index.	MOCR	Since there is no widely accepted method to develop coastal vulnerability indices, MOCR has begun coordination with relevant experts on the New York City Panel on Climate Change to recommend the most credible indicators of coastal vulnerability.
6. Improve projections of future extreme precipitation	MOCR	MOCR added the initiative to improve projections of future extreme precipitation as a priority item to an existing Town + Gown RFP set to release on November 2021.
7. Modeling and mapping initiatives based on Ida to increase readiness	MOCR	<p>MOCR started modeling and mapping initiatives based on Ida to increase readiness, including:</p> <ul style="list-style-type: none"> • Mapping the extent of Ida’s flooding: U.S. Geographical Survey high water-marks survey is complete. MOCR is working to consolidate this data with other post-Ida datasets. • Improving stormwater models: Data compilation has started. DEP’s field-validated maps will be used to calibrate models.

Commitment Title	Agency Owner	Commitment Update
Response #3: Immediate enhancements to city and household infrastructure.		
Citywide		
1. Accelerating the short-term Stormwater Resiliency Plan (various projects)	MOCR	<ul style="list-style-type: none"> Expanding pre-storm mitigation areas: NYCEM is working to update pre-storm mitigation areas with input from operational agencies. Establishing a framework for cloudburst neighborhoods: MOCR and DEP launched an Interagency Cloudburst Task Force to establish a framework and identify initial cloudburst neighborhoods by the end of 2021. This framework will help identify areas where cloudburst planning for grey and green infrastructure is feasible from a technical perspective, can be quickly deployed, and prioritizes vulnerable populations. Work is set to begin on four identified neighborhoods beginning in the first quarter of 2022.
2. Accelerating “high-level” storm sewer upgrades	DEP	DEP is currently evaluating funding and locations that would be best served by High-Level Storm Sewer (HLSS) upgrades.
3. Expanding the porous pavement program	DEP	DEP is identifying locations for area-wide porous pavement improvements in the Bronx.
4. Increasing catch basin inspection frequency in commercial areas	DEP	DEP is finalizing the optimized inspection plan that will help reduce flooding caused by clogged catch basins.
5. Deployable barriers in non-drainage areas	DEP	DEP is assessing different types of deployable barriers to identify which is most suitable for distribution to residents based on features of the alley. DEP plans to start buying deployable barriers at the end of November 2021.
6. 20 additional Trust for Public Land Playgrounds	SCA	SCA began the site selection process to identify 20 additional Trust for Public Land playgrounds by 2025.

Commitment Title	Agency Owner	Commitment Update
7. Expanding NYCHA's Green Infrastructure (GI) program to 7 additional campuses.	NYCHA	The implementation strategy was defined for one site to be constructed in partnership with DEP. NYCHA will issue multi-site design solicitations for six sites before the end of 2021.
8. Accelerating additional GI projects citywide	DDC, DEP	DDC and DEP have identified a priority project in Gravesend for acceleration using design-build project delivery. Additionally, DDC and DEP are in the process of identifying additional projects for acceleration through design-build and expect to have recommendations by the end of 2021.
9. Creating a Stormwater Project Delivery Task Force	DDC, DEP	The Stormwater Project Delivery Task Force kicked off in mid-October. The Task Force expects to have comprehensive recommendations to streamline site investigations, legal agreements, and permitting to expedite critical projects by the end of 2021.
10. Investigating the impact of all climate hazards on the City's social infrastructure	MOCR	The scope of work, including the categorization of facilities for assessment, is under development. The Task Force to convene this work is expected to kick off in early 2022.
Household		
1. Studying expanding backwater valve installations to prevent sewer backups into private properties	MOCR, DEP	Grant funding was received to study expanding backwater valve installations. Procurement for the study will happen in December 2021.
2. Offering residents sandbags pre-storm	DOT	DOT will distribute 10,000 sandbags by November. The sandbags are currently filled and will be distributed to pick up sites in each borough in advance of any storm.

Commitment Title	Agency Owner	Commitment Update
Response #4: Keeping New Yorkers in basements and cellars safe		
1. Creating a database of subgrade spaces citywide	MOCR, DCP	Agencies are finalizing the scope of work, developing an interagency team to advise on the work, and working to bring a consultant on board.
2. Providing enhanced communications to basement occupants, immediately	NYCEM	NYCEM will use the results of the basement database survey to encourage basement occupants to sign up for the City’s mass notification system, through which alerts can be pushed directly in real-time. Additionally, basement language has been incorporated into NYCEM and City public messaging.
3. Enhancing NYPD/ FDNY first responder readiness for basement evacuations	FDNY, NYPD	NYPD conducted two drills in October 2021 to address flooding and is incorporating low-level, basement evacuation procedures, and best practices into these drills and specialized training rescue operations.
4. Contracting trusted CBOs to reach at-risk residents door-to-door.	NYCEM	NYCEM has two initiatives underway to contract with CBOs to conduct door-to-door outreach to reach at-risk residents. These initiatives are the Strengthening Communities Program RFP, (which includes the “Rainboots on the Ground” initiative), and a preparedness communications campaign effort.
5. Finding drainage solutions for community driveways	DEP	DEP completed the installation of a sewer connection for the first set of driveways in East Elmhurst at 87th in October 2021. The installation of a second alley in the same neighborhood is expected to start in November.
6. Build a comprehensive Basement Apartment Conversion program.	HPD	The City is currently analyzing data and reviewing lessons learned with an interagency work group including internal and external experts to recommend locations for pilot expansion.
Response #5: Long-term infrastructure improvements		
1. Improving our legacy sewer system for the future (various projects)	DEP	DEP is evaluating the current drainage planning process for revision and sewer projects for expansion. Once completed, DEP will use the existing conditions citywide drainage model to evaluate where parts of the system would result in flooding in extreme conditions to inform response and feasibility for Capital projects.

Commitment Title	Agency Owner	Commitment Update
2. Continuing the integration of Bluebelts (various projects)	DEP	DEP is currently proceeding with the Citywide Bluebelt feasibility analysis, which is expected to be completed in 2022. In the interim, DEP is proceeding with the build-out of the mid-island Bluebelts, as well as exploring Bluebelt opportunities in the Port Richmond sewer shed.
3. Tibbets Brook stream daylighting	DEP	DEP is advancing the design in collaboration with Parks and community stakeholders.
4. Accelerating the long-term Stormwater Resiliency Plan (various projects)	MOCR	<p>MOCR is working on various projects to accelerate the long-term Stormwater Resiliency Plan including:</p> <ul style="list-style-type: none"> • Future rainfall intensity projections: MOCR added this item as a priority to an existing Town + Gown RFP targeted to release November 12. • New drainage standard: DEP is evaluating the current drainage planning process for revision and sewer projects for expansion.
5. Providing transformational, neighborhood-scale stormwater strategies to “cloudburst” neighborhoods (various projects).	DEP	DEP completed design for the South Jamaica Houses Cloudburst project and expects to kick off construction in 2023. The identification of additional cloudburst neighborhoods is underway and to identify priority projects.
6. Implementing the East Harlem Cloudburst Resiliency Project.	NYCHA, DEP	The FEMA-funded feasibility study is underway and expected to be completed by end of 2021. Based on the study, DEP will work with NYCHA to apply to FEMA for construction.
7. Implementing the Wetlands Management Framework (various projects)	DPR	Parks is working on implementing the Wetlands Management Framework through various projects. This includes three projects prioritized under the Wetlands Management Framework. These projects will have completed designs and be under construction or in procurement for construction by 2025. The conceptual design is complete for all sites. Parks will start subsurface investigations and site surveying in 2022.

Commitment Title	Agency Owner	Commitment Update
8. Adding stormwater green infrastructure in parks.	DPR	Parks will retrofit parkland to reduce impervious areas and direct stormwater to rain gardens and vegetated Bioretention systems to help reduce park and street flooding at six sites across the Bronx, Queens, and Staten Island. The conceptual design is complete for all sites. Parks will start subsurface investigations and site surveying soon.
9. Investigating the impacts of sea level rise and extreme weather on housing stock.	MOCR	MOCR is convening interagency teams, to review climate risk information, building damage assessments, and vulnerable typologies. This work will help investigate the impacts of sea-level rise and extreme weather on the housing stock.
10. Updating building, electrical, plumbing, and zoning codes to address intense precipitation risks and coastal flooding.	MOCR, DCP, DOB	MOCR is working with DOB, DEP, and BSA to assess and prioritize the code changes. The interagency coordination effort is investigating the benefit and impacts of each proposal, which will determine recommendations for how best to implement them.
11. Evaluating stormwater fees	DEP	The Sustainable Rate Structure Analysis (SRSA) is currently underway. The SRSA is DEP's holistic rate structure study that will analyze water and wastewater rate structure options and customer assistance and credit programs.
Response #6: Working with partners in government		
1. Formalizing an MTA Taskforce	DEP, DOT, MTA	Since August, DEP, DOT, and MTA have met weekly to exchange data on chronic flooding locations, schedule joint inspections, and identify solutions to mitigate flooding. To date, 18 site inspections were completed. As a result of these inspections, MTA and DEP are working on short-term and long-term solutions to mitigate flooding issues.

This report was produced by the Office of the Deputy Mayor for Administration in collaborations with the city agencies and Mayor's office presented within.

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