

Grantee: New York City, NY

Grant: B-13-MS-36-0002

January 1, 2022 thru March 31, 2022 Performance

Grant Number:

B-13-MS-36-0002

Obligation Date:**Award Date:****Grantee Name:**

New York City, NY

Contract End Date:

09/30/2023

Review by HUD:

Original - In Progress

Grant Award Amount:

\$176,000,000.00

Grant Status:

Active

QPR Contact:

No QPR Contact Found

LOCCS Authorized Amount:

\$176,000,000.00

Estimated PI/RL Funds:**Total Budget:**

\$176,000,000.00

Disasters:

Declaration Number

No Disasters Found

Narratives

Executive Summary:

In Phase 2 of the HUD National Disaster Resilience Competition (NDRC), the City chose Lower Manhattan as the Target Area given that building coastal protection here is critical for the low-to moderate- income population that lives and works in the vulnerable, low-lying area. The Target Area is also home to the country's financial capital, many local small businesses, and dense transportation networks for millions of commuters.

The area has significant Unmet Recovery Needs (URN) from its qualifying disaster, Hurricane Sandy (DR-4085). The Lower Manhattan Coastal Resiliency (LMCR) study was conducted in the project area for coastal protection options along the waterfront, extending south from Montgomery Street to N. Moore Street at the north of Battery Park City. The coastal protection components will connect to the City's East Side Coastal Resiliency (ESCR) project, which is funded by HUD through the City's CDBG-DR Rebuild by Design allocation. This integrated coastal protection system will provide coastal protection and stormwater drainage solutions to Lower Manhattan and serve as connective ribbon along waterfront.

The work funded by the CDBG-NDR grant is part of the larger Lower Manhattan Coastal Resiliency (LMCR) project area, which will create an integrated coastal protection system to provide coastal protection and stormwater drainage solutions and serve as connective ribbon along the waterfront. The City applied for \$500 million in funding from the NDRC and was awarded \$176 million from the NDRC. The City originally pledged an additional \$27.5 million in capital funding as direct leverage invested in the BMCR project and \$108 million in supporting in other coastal resiliency investments in Lower Manhattan.

As of the City's CDBG-NDR Action Plan Amendment 1, the City has updated commitments of City funding towards the implementation of coastal resiliency measures in the Two Bridges neighborhood (the Target Area). Since the original CDBG-NDR Phase 2 application, the City has updated City funds to the amount of



\$32.7 million for design of the BMCR project. With the released of the FY 2022 Executive Financial Plan, and an increase of \$318 million for BMCR, and with the reallocations of CDBG-NDR funds from Planning and Administration, the BMCR project total would be \$522.7 million.

Additionally, \$108 million in City funding was originally provided in supporting leverage to secure CDBG-NDR funds. These funds were allocated for coastal resiliency in Lower Manhattan, and are going towards the Battery Resiliency project, which carries in \$164.608 million in total budgeted funds as of the April 2021 FY22 Executive Financial Plan

The comprehensive Lower Manhattan Coastal Resiliency project will create a holistic approach that protects vital infrastructure, housing, jobs and some of the City's most vulnerable populations. It is a feasible, scalable, and innovative approach to build a resilient community and offer long-term protection from extreme flooding. It will forge stronger connections in the form of continuity of operation for local businesses, social and economic equality between different neighborhoods, opportunities for economic revitalization through potential new retail space and jobs, new public spaces for healthy recreation, and expanded connectivity for residents and area visitors. This resilient approach will ensure that Lower Manhattan can remain stable during shocks and stresses and serve as a replicable model for other communities.

The City and its partners continue to prove their long-term commitment to resilience through adopting legislation, raising building standards, aligning development practices with best available science, and coordinating multiple long-term resilience plans. In addition, the City continues to build on years of extensive outreach and engagement of governmental, public, and private stakeholders since Hurricane Sandy. LMCR is an outcome of this effective community engagement and planning that will strengthen an important part of the City's coastline - physically, socially, and economically - for all New Yorkers to enjoy.

MID-URN Areas:

The BMCR project is located in the Two Bridges neighborhood of Lower Manhattan and stretches along the East River from Montgomery Street to the Brooklyn Bridge. Lower Manhattan was selected based on: the large low- to moderate-income (LMI) population, including a significant number of public housing residents; the high level of historical and future risks within the area, as demonstrated by Hurricane Sandy; the concentration of important community assets, such as financial institutions, transportation facilities, historic sites, small businesses, affordable housing, and municipal buildings; and the concentration of jobs for people living in the greater metropolitan region, including Connecticut, New Jersey, and Pennsylvania.

In terms of critical assets, the City is particularly reliant on its public transportation system. The Metropolitan Transportation Authority reported over \$5 billion in damages related to Sandy, with a significant portion of those costs in Lower Manhattan. When the City's transportation network fails, economic productivity and health are impacted due to the public's inability to access work and other social or essential services.

Lower Manhattan is also the location for multiple emergency services' facilities, including the Police Department Headquarters, New York Presbyterian Hospital/Lower Manhattan Hospital, multiple fire stations, and a Hurricane Evacuation Center. Two electrical substations and one communications switching facility are also located nearby.

Lower Manhattan is home to more than 240,700 jobs. Over 20% of these jobs produce wage earnings below low to moderate income (LMI) limits for Manhattan and more than 30% of the jobs are held by workers with a high school or lower level of education. Input-output models of Hurricane Sandy indicated the loss of



27,000 jobs, including part time and full time, as well as temporary and permanent positions when considering direct, indirect, and induced effects. This job loss disproportionately affected LMI households because many of the jobs lost were in industries that did not have the resources available to reopen immediately, such as food service and retail.

In the Phase 2 Application, the City met the Most Impacted threshold within its Target Area based on housing damage. During Hurricane Sandy, damage to the NYCHA’s Two Bridges Urban Renewal Area affected 250 apartment units, well above the 100 home threshold for Most Impacted areas. Hurricane Sandy disproportionately affected LMI City residents because many NYCHA developments and other forms of affordable housing stock lie within the floodplain. In addition, Hurricane Sandy devastated infrastructure and public investments. Much of that infrastructure may have been repaired since 2012, but in many cases, important resiliency measures such as dry flood proofing, elevation of equipment, and even perimeter protection could not be implemented during the repair process. Mitigation may not have been feasible at the time or may not have been approved.

Key Agencies, Partners, Positions, Personnel:

The City is responsible for general management functions, technical coordination and guidance, and regional coordination. The Office of Management and Budget (OMB) and the Mayor’s Office of Climate Resiliency (MOCR) will oversee the projects by coordinating across the city, state, federal, and community partners to ensure full implementation of the project. MOCR will also take an active and direct role in implementing the project, which aligns with MOCR coastal resiliency portfolio. MOCR will work closely with the CDBG-DR task force within OMB on overall oversight, drawdowns, and reporting. MOCR and the CDBG-DR task force have an existing partnership for oversight of the \$4.2 billion Hurricane Sandy CDBG-DR allocation from HUD. In addition, OMB intends to work with the Office of the Mayor of the City of New York (OOM), as the co-lead agency to manage the environmental and land use review processes.

The City partnered with the New York City Economic Development Corporation (NYCEDC) to manage the design of the BMCR project. The NYCEDC will procure, select, and contract with a design consultant to design a flood protection system that will reduce the risk from large, low-frequency storm events, as well as higher-frequency, lower-level flooding events, including the tidal flooding impacts from Sea Level Rise in accordance with the approved scope, budget and schedule. The City has an extensive working relationship with NYCEDC on resiliency initiatives, as the corporation led the feasibility study for the Lower Manhattan Coastal Resiliency Project, which was released in March, 2019. The Project Manager at NYCEDC coordinated with MOR and OMB to procure and manage a consultant team, deliver technical analyses to diverse stakeholders, and provide needed interagency coordination to advance project goals. The NYCEDC will also work closely with the City’s Department of Design and Construction to assist in the procurement of a contractor to construct the project.

As the City’s subrecipients on the Green Infrastructure Playground program, the Trust for Public Land (TPL) will manage the procurement, design, and construction of the playgrounds located at P.S. 184M, and P.S. 2M. MOR is coordinating with TPL to develop the scope, budget and obligations to the deliver the projects. These new playgrounds, built in consultation with the school staff and students, are built to absorb rainwater and reduce heat impacts. The work of TPL will support the overall goals of the NDR funding, but this will be managed separately from the flood protection system. Upon completion of the playgrounds, TPL will support their success by providing options for technical support, teacher training, stewardship grants and environmental education workshops

Overall	This Report Period	To Date
Total Projected Budget from All Sources	\$0.00	\$176,000,000.00



Total Budget	\$0.00	\$176,000,000.00
Total Obligated	\$0.00	\$3,825,000.00
Total Funds Drawdown	\$0.00	\$1,982,517.39
Program Funds Drawdown	\$0.00	\$1,982,517.39
Program Income Drawdown	\$0.00	\$0.00
Program Income Received	\$0.00	\$0.00
Total Funds Expended	\$0.00	\$2,468,622.87
HUD Identified Most Impacted and Distressed	\$0.00	\$580,963.48
Other Funds	\$ 0.00	\$ 0.00
Match Funds	\$ 0.00	\$ 0.00
Non-Match Funds	\$ 0.00	\$ 0.00

Funds Expended

Overall	This Period	To Date
Mayorality (Mayors Office)	\$ 0.00	\$ 2,468,622.87

Progress Toward Required Numeric Targets

Requirement	Target	Projected	Actual
Overall Benefit Percentage	50.00%	100.00%	100.00%
Overall Benefit Amount	\$87,000,000.00	\$174,000,000.00	\$647,899.60
Minimum Supporting Leverage	\$108,000,000.00	\$.00	\$.00
Minimum Direct Leverage	\$27,500,000.00	\$.00	\$.00
Limit on Public Services	\$26,400,000.00	\$.00	\$.00
Limit on Admin/Planning	\$35,200,000.00	\$2,000,000.00	\$1,334,617.79
Limit on Admin	\$.00	\$600,000.00	\$.00
Most Impacted and Distressed	\$176,000,000.00	\$.00	\$580,963.48

Overall Progress Narrative:

Overall Progress Narrative

Goals

The Brooklyn Bridge Montgomery Coastal Resiliency project (BMCR) will provide the following benefits to the Two Bridges neighborhood of Lower Manhattan:

- Protect vulnerable populations and preserve infrastructure, housing, and job
- Advance a feasible, scalable, and innovative approach
- Build a resilient community and offer long-term protection from extreme flooding
- Incorporate urban design and public realm benefits to enhance the urban landscape

Project Status -

As of the end of Q1 2022, design work on the BMCR project finalized at 100% level and coordinated with DDC for spec edits for their legal review and for their procurement of a construction contract. This work had been paused due to impacts from the COVID-19 pandemic across Q2 and Q3 2020. City agencies have reviewed design details, and comments were finalized. The updated design informs the current project cost estimate.

As of the end of Q1 2022, the following work was completed on the project:

- Issued 100% drawing set and specifications to NYC DDC for construction procurement.
- Continued coordinating with the ESCR team on design efforts
- Continued coordination with FEMA regarding meeting the criteria to achieve accreditation as a flood protection system

Some of the work above was completed as part of the Lower Manhattan Coastal Resiliency study and was covered in a \$7.25 million contract, funded with \$3.5 million from the City's CDBG-DR allocation and \$3.75 million from New York State's CDBG-DR allocation, as part of a broader assessment of the entire Lower Manhattan coastline.

EDC is managing the design work for the project, and the construction phase of the project will be managed by the City's Department of Design and Construction (DDC), with a handoff anticipated in the summer of 2021. The design work performed by EDC's contractor is funded with City capital funds, which include the City's direct leverage funds of \$27.5 million from the NDR competition application. EDC has . Design funding is currently budgeted at \$32.7 million.

Project Status - Engagement with Trust for Public Land

The City identified the Trust for Public Land (TPL) as a partner during the NDR competition phase. The Mayor's Office of Resiliency has been in coordination with TPL about scope and budget, and the City holds a subrecipient agreement with TPL for design and construction of green playgrounds at two schools in the project area, PS 2 and PS 184 Shuang Wen. These new playgrounds, developed in consultation with the school staff and students, are built to absorb rainwater and reduce



heat impacts.

In Q4 2019, the Trust for Public Land completed construction on PS 184, which have been fully reimbursed with CDBG-NDR funds in Q2 2021. The collaborative design process for PS 2 was initiated in Q3 2019, and with pauses related to COVID-19 which have since been lifted, the construction contract for work at PS 2 was approved in Q2 2021.

Timeline

The current stage of design work for the overall Brooklyn Bridge Montgomery Coastal Resilience project began Q1 2019, and as of Q1 2021, as mentioned above, the project is at 95% design complete.

The project is currently anticipated to break ground before the end of 2021, and is anticipated to have a four-year construction schedule, with targeted project completion by the end of 2025. For the construction work that will extend beyond Federal grant disbursement deadline, the City will use its own funds to cover that work. While the CDBG-NDR grant deadline was extended to September 2023 at the end of Q1 2020, the City is working to utilize all HUD funding prior to expenditure deadline, but given the potential for unforeseen circumstances, the City may have further intergovernmental engagement on a potential additional extension, and will be working with HUD on options on ensuring the deployment of grant funds prior to expiration

During Q1 2021, staff from the US Department of Housing and Urban Development (HUD) conducted a virtual monitoring of the CDBG-NDR grant and BMCR and TPL projects, as well as Planning and Administration activities, funded by the grant. The City's Fiscal Year 2022 Executive Financial Plan was released April 26, 2021, in Q2 2021. This Financial Plan includes additional City financial commitments for the BMCR project.

In Q2 2021, the City will be releasing an amendment to the CDBG-NDR Action Plan for public comment. Details on this proposed amendment can be found at www.nyc.gov/cdbgdgr.

As the project progresses, the City will update the timeline to reflect the best available information.

Agency Coordination

The Mayor's Office of Resiliency and the Office of Management and Budget (OMB) are responsible for grant administration. The following agencies and offices play critical roles in advancing the Brooklyn Bridge Montgomery Coastal Resilience project or are otherwise stakeholders in ensuring protection of the Lower Manhattan community:

- Mayor's Office of Resiliency (MOR)
- Office of Management and Budget (OMB)
- Economic Development Corporation (NYCEDC)
- Department of Design and Construction (DDC)
- Department of Transportation (DOT)
- Department of Parks and Recreation (DPR)
- Department of City Planning (DCP)
- Department of Environmental Protection (DEP)
- New York City Housing Authority (NYCHA)
- Governor's Office of Storm Recovery (GOSR)

Recent topics of engagement for these entities have included:

- Assessment of deployable technology - Focus of recent interagency meetings has been an analysis of potential deployable technology. This has included an assessment of structural requirements, deployment time and cost, maintenance time and cost, and urban design impacts.
- Optimizing neighborhood enhancements - The team has coordinated with the project team of East Side Coastal Resiliency, a coastal protection system that spans the area north of Montgomery Street on the east side, and the project team of the East River Waterfront Esplanade. Ongoing coordination among these project teams will ensure that the CDBG-NDR funding serves the needs of the community.
- Interior drainage approach- Given the interconnected nature of the City's drainage system, there has been cross-project collaboration on the development of a drainage plan. This has required modeling of both the East Side Coastal Resiliency and Brooklyn Bridge Montgomery Coastal Resilience project areas in conjunction. DEP, OMB, and MOR have worked in close coordination to develop an interior drainage plan that incorporates risk reduction and cost reasonableness.

Public Engagement

For information about upcoming public meetings, please visit www.nyc.gov/lmcr. On this site, stakeholders can also submit comments and sign up for notifications.

Recent public engagement efforts ranging from Q4 2020 to Q2 2021, include the following:

- On October 21, 2020, EDC held a meeting with local elected officials and community leaders to gather feedback on the plan for a two-week sustained engagement campaign and webinar in lieu of a public meeting in person, given COVID-19 risk.
- On November 12, the project team presented a public engagement update to Community Board 3 Waterfronts Committee
- On December 7, the project team installed banners in the project area and began distributing hundreds of posters and thousands of flyers in local buildings to promote the upcoming webinar
- On December 8, 2020 the project team presented to Community Board 3 Transportation Committee
- On December 16, 2020 EDC and MOR held a virtual public meeting and presentation, which included simultaneous translation in Spanish, Mandarin, Cantonese, and Fuzhounese. The webinar and Q&A can be viewed on nyc.gov/lmcr
- The project team presented the final design update to Community Board 3 Waterfronts Committee on April 15, 2021 in Q2 2021.

An amendment to the City's CDBG-NDR Action Plan is scheduled for early in Q2 2021, including a public comment period on the proposed Amendment with a virtual public hearing. The City will work with HUD at the end of the public comment process in Q2 and Q3 2021 for Amendment approval.

Project Summary

Project #, Project Title	This Report	To Date	
	Program Funds Drawdown	Project Funds Budgeted	Program Funds Drawdown
9999, Restricted Balance	\$0.00	\$0.00	\$0.00
Brooklyn Bridge Montgomery Coastal Resilience, Brooklyn	\$0.00	\$172,000,000.00	\$30,899.65
Long-Term Commitments, Long-Term Commitments	\$0.00	\$0.00	\$0.00
Outcome Values, Outcome Values	\$0.00	\$0.00	\$0.00
Planning and Administration, Planning and Administration	\$0.00	\$2,000,000.00	\$1,334,617.79
Supporting Leverage Activities, Supporting Leverage	\$0.00	\$0.00	\$0.00
Trust for Public Land, Trust for Public Land Green	\$0.00	\$2,000,000.00	\$616,999.95



Monitoring, Audit, and Technical Assistance

Event Type	This Report Period	To Date
Monitoring, Audits, and Technical Assistance	0	2
Monitoring Visits	0	2
Audit Visits	0	0
Technical Assistance Visits	0	0
Monitoring/Technical Assistance Visits	0	0
Report/Letter Issued	0	2

