FEMA 2020 “Selected” BRIC Projects

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| State | Project name | Project cost | Project Details | Link |
| Washington | North Shore Levee West | $46.2 M | When completed would remove more than 3,000 properties from the current FEMA floodplain map for Hoquiam and Aberdeen and from federal flood insurance requirements. | [file:///C:/Users/frenchreb/Downloads/North%20Shore%20Levee%20-%20West%20Segment%20(5.21).pdf](file:///C%3A/Users/frenchreb/Downloads/North%20Shore%20Levee%20-%20West%20Segment%20%285.21%29.pdf) |
| Washington | Kittitas County Washington Waste Transfer Station Flood Mitigation | $17.2 M | Relocating the transfer station to reduce flood hazard as well as increase size to support growing solid waste management needs | <https://www.co.kittitas.wa.us/uploads/documents/solid-waste/Final-Site-Selection-Report-Kittitas_082118.pdf> |
| South Carolina | City of Columbia Resilient Water Supply Project | $46.6 M | The City of Columbia is proposing a project to develop a new raw water intake facility that will allow the Canal Plant to draw water directly from the Congaree River. The proposed facility will provide a second raw water intake that will greatly enhance the resiliency of Columbia's drinking water supply. | <https://columbiasc.gov/uploads/headlines/03-08-2021/water-utility-resiliency/2021-03-02-Columbia%20Water%20Resiliency%20Update_Final.pdf> |
| New York | 20 - New Castle (T) - BRIC - Upper Minkel Dam Decommissioning & Riparian Corridor Restoration | $1.5 M | Partial removal of dam structure• Establish channel through former impoundment• Plant former impoundment area to establish riparian ecosystem | * <https://www.mynewcastle.org/DocumentCenter/View/1635/Upper-Minkel-Dam-Tectonic-Presentation---February-25-2020>
* <https://www.mynewcastle.org/CivicAlerts.aspx?AID=223&ARC=499>
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| New York | 145 - NYC Parks - BRIC - BRIC 2020 GOSR/NYCParks Tottenville Shoreline Protection Project | $26.3 M | At 90% design completion, the plan includes a series of risk reduction measures each designed to address the particular risks and characteristics of that section of the project area. These features are, beginning at the west and moving east: an earthen berm, a hybrid dune/revetment system, two eco-revetments, and a raised edge continuing east to Page Ave. The entire system includes enhanced pedestrian access to the beach at numerous points, native plantings, interpretive signage, seating opportunities, and a continuous ADA accessible trail system along the shoreline in Conference House Park. | <https://stormrecovery.ny.gov/tottenville-shoreline-protection-project> |
| New Jersey | BRIC FY2020 New Jersey Meadowlands East Riser Ditch Pumping Station and Channel Improvements | $61.2 M | The "New Meadowlands" project will help Little Ferry, as well as Carlstadt, Moonachie, South Hackensack and Teterboro, all towns prone to severe flooding from rain. The plan is designed to improve flooding by improving existing water channels, improving and adding public parks and adding vegetation to soak up rainwater. | <https://www.nj.gov/dep/floodresilience/docs/rbdm-meeting-20200311-pres-slides.pdf> |
| New Jersey | BRIC FY2020 - New Jersey DEP Hudson River Floodwall Infrastructure and Resilience Park | $243,005,239.00 | The Proposed Project will occur throughout the City of Hoboken, and will extend into Weehawken and Jersey City, with the following approximate boundaries: the Hudson River to the east; Baldwin Avenue (in Weehawken) to the north; the Palisades to the west; and 18th Street, Washington Boulevard and 14th Street (in Jersey City) to the south.The project’s comprehensive approach to resilience consists of four integrated components:1. **Resist:** a combination of hard infrastructure (such as bulkheads, floodwalls and seawalls) and soft landscaping features (such as berms and/or levees which could be used as parks) that act as barriers along the coast during exceptionally high tide and/or storm surge events;
2. **Delay**: policy recommendations, guidelines and urban green infrastructure to slow stormwater runoff;
3. **Store**: green and grey infrastructure improvements, such as bioretention basins, swales, and green roofs, that slow down and capture stormwater, and which will complement the efforts of the City of Hoboken’s existing Green Infrastructure Strategic Plan; and
4. **Discharge**: enhancements to Hoboken’s existing stormwater management system, including the identification and upgrading of existing stormwater/sewer lines, outfalls and pumping stations.
 | <https://www.nj.gov/dep/floodresilience/rbd-hudsonriver.htm> |
| North Carolina | BRIC 2020 Hickory Snow Creek Pump Station Relocation and Flood Hardening | $4.7 M | Relocation of the Snow Creek Pump Station to a location outside of the 500-year flood plain as well as hardening the facilityagainst future flood events and stream bank restoration and influent pump station flood hardening at the Northeast Wastewater Treatment Facility. | <https://www.hickorync.gov/sites/default/files/hickoryncgov/Council/Action%20Agendas/20210202%20-%20City%20Council%20Action%20Agenda%20-%20February%202%2C%202021%20.pdf> |
| Hickory Northeast Wastewater Treatment Facility Hardening and Stream Restoration Project | $7.1 M |
| North Carolina | Lumberton Loop: A City-Wide Plan for Flood Mitigation, Restoration, and Recreation in Lumberton, NC | $2.6 M | Connects over 806 acres and provides 8.5 miles of trails into a contiguous, community-wide greenway, of which 99% resides within the 100-year floodplain | * <https://www.asla.org/2020awards/262.html>
* [https://static1.squarespace.com/static/5ae3403b5ffd20f29c3730d4/t/60140c324b91cd5e522f6fa1/1611926587769/0\_Lumberton+Floodprint\_FINAL+with+Cover.pdf](https://static1.squarespace.com/static/5ae3403b5ffd20f29c3730d4/t/60140c324b91cd5e522f6fa1/1611926587769/0_Lumberton%2BFloodprint_FINAL%2Bwith%2BCover.pdf)
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| North Carolina | Town of Duck Living Shoreline and NC 12 Resiliency Project | $2.5 M | The proposed improvements include living shoreline (marsh restoration/shoreline stabilization) improvements along the Currituck Sound adjoining N.C. Highway 12, a sidewalk on the west side of N.C. Highway 12, and elevation of this very low section of N.C. Highway 12/ | <https://www.townofduck.com/news/survey-work-to-begin-on-duck-road-for-resiliency-grant/#:~:text=The%20proposed%20improvements%20include%20living,improve%20the%20function%20and%20resiliency> |
| Massachusetts  | Central Street Bridge Improvements and Sawmill Brook Restoration, Culvert Retrofit & Restoration | $5.9 M | The purpose of this project is to repair the Central Street Bridge, restore natural tidal flow and ecological conditions to Sawmill Brook and enhance resiliency of Sawmill Brook from flooding under current and future conditions | <https://eeaonline.eea.state.ma.us/EEA/emepa/mepadocs/2020/012220em/sc/enf/16127%20Central%20Street%20Bridge%20Reconstruction%20and%20Central%20Pond%20Sawmill%20Brook%20Restoration.pdf> |
| Kentucky | Frankfort Mero Flood Pump Station Renewal and Mero Sanitary Pump Station Relocation - BRIC | $13.9 M | The existing Mero Flood Pump Station shall be renewed to continue to provide full flood protection from the 100-year storm event. The Mero Sanitary Pump Station shall be relocated from along the Kentucky River to inside the Floodwall.The Mero Sanitary Pump Station Combined Sewer Overflow shall be disconnected from theMero Flood Pump Station and discharged directly to the Kentucky River. | <https://www.bidnet.com/bneattachments?/654134486.pdf> |
| DC | Blue/Green Storm Water Flood Mitigation in Southwest Washington, DC | $24.8 M | Mitigate Flooding along 1st St Corridor & in two parksUse Blue-Green and Gray Infrastructure for storage and conveyanceCreate great open spaces for people | <https://www.mwcog.org/file.aspx?&A=gURuxYcq4eyiA9%2F4kcUMjbRN6g3gx1CpIlYq9eohxNw%3D> |
| DC  | Saint Elizabeths Hospital Campus & DC Emergency Communications Microgrid Project | $26,514,837.00 | Pilot a microgrid on the St. Elizabeths East campus to provide energy for the Unified Communications Center (UCC), HSEMA, and the new hospital. | <https://resilientcitiesnetwork.org/downloadable_resources/Network/Washington-DC-Resilience-Strategy-English.pdf> |
| California | BRIC 2020 City of Rohnert Park Copeland Creek Detention Basin | $12.4 M | To construct an off-channel stormwater detention basin on undevelopedpastureland east of Petaluma Hill Road on land owned by the City. The detention basin would bedesigned to detain a 10-year storm event and other project elements would include associatedmaintenance and access structures (for sediment removal) adjacent to Copeland Creek | <https://www.rpcity.org/UserFiles/Servers/Server_3037789/File/Planning/Environmental%20Documents/Notice%20of%20Preparation_CC%20Detention%20Basin%20122017.pdf> |
| California | BRIC 2020, City of Menlo Park, Menlo Park SAFER Bay Project | $67,675,087.00 | In September, Pacific Gas and Electric Company (PG&E) approached the City about partnering on the fiscal year 2020 FEMA BRIC grant opportunity to address potential flooding and sea level rise impacts to the Ravenswood Electrical Substation near the Dumbarton Bridge and committed $10 million to the effort. The FEMA BRIC grant is a program offering up to $50 million per project to reduce risks from disasters and natural hazards. Consistent with the SAFER Bay project (Attachment B) and the recently completed Dumbarton Bridge West Approach + Adjacent Communities Resilience Study (Attachment C), the project was broadly envisioned to construct an ecotone levee around the substation and potentially along the northern edges of SR 84. The proposed project comprised a portion of the SAFER Bay project alignment known as Reach 5, as shown in Attachment D, and aimed to achieve 100-year coastal flood protection and adaptation to 50 years of projected sea level rise for the substation. Additional project scope included restoration activities in ponds R1/R2 in the adjacent Don Edwards San Francisco Bay National Wildlife Refuge. As envisioned at that time, the total project was estimated to cost $40 million, with the BRIC grant providing $30 million and PG&E providing the required 25 percent local match contribution of $10 million. PG&E and the City, in coordination with the San Francisquito Creek Joint Powers Authority (SFCJPA), collaborated on the required documentation to prepare a notice of interest for the BRIC grant opportunity. The City, acting as the formal project sponsor, was notified that a full project application could proceed and is due to the California Office of Emergency Services (Cal OES) by December 3. | <https://menlopark.org/DocumentCenter/View/26723/H3-20201117-CC-FEMA-BRIC-grant> |