

Appendix D: Projected Expenditures and Outcomes

Housing

The City's CDBG-DR Action Plan includes \$648 million of CDBG-DR funding for housing programs.

The New York City Build it Back program will cover the rehabilitation and reconstruction of residential structures damaged by Hurricane Sandy. Build it Back consists of two pathways: (1) NYC Houses Rehabilitation and Reconstruction and (2) Multi-Family Rehabilitation. As stated in the Action Plan, the City has allocated \$306 million for single-family homes and \$215 million for multi-family buildings.

Based on initial application intake, the Mayor's Office of Housing Recovery Operations (HRO) expects to complete work on 3,100 single-family homes and 11,700 multi-family units with the initial allocations. The projections below reflect the expected construction timeline with work beginning in the 4th quarter of 2013. The initial program allocation is projected to be expended by the end of the quarter of 2015.

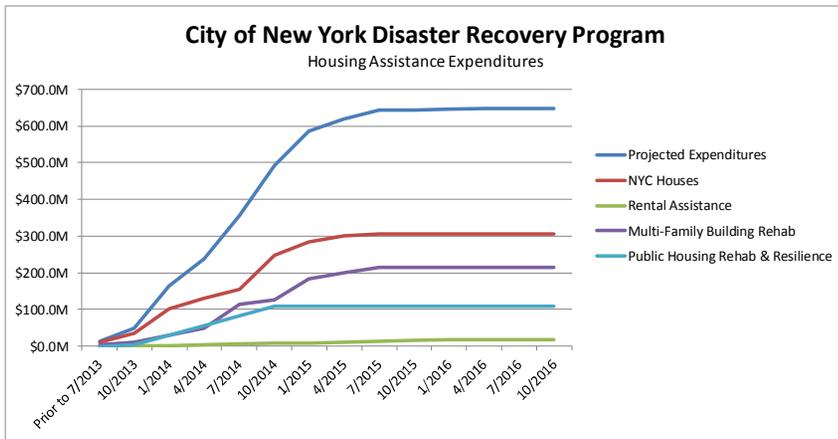
The New York City Housing Authority (NYCHA) will receive a separate allocation of \$108 million for resiliency measures. With this funding, NYCHA will install permanent emergency generators in 100 buildings. As stated in the Action Plan, this project is expected to benefit 20,000 residents. The projections assume that project design and preparation will begin in the 4th quarter of 2013 and that work will be completed during the second half of 2014.

Additionally, \$19 million has been allocated to a rental assistance program for low-income households. The first vouchers will be handed out in the 3rd quarter of 2013. With rental assistance limited to 24 months, the projections assume that the program will wind down by mid-2016. As indicated in the Action Plan, this program is expected to serve 600 households.

Housing Financial Projections

Housing	Prior to 7/2013	10/2013	1/2014	4/2014	7/2014	10/2014	1/2015	4/2015	7/2015	10/2015	1/2016	4/2016	7/2016	10/2016
Projected Expenditures	\$14.0M	\$50.0M	\$163.4M	\$238.5M	\$355.5M	\$491.6M	\$585.5M	\$619.4M	\$642.3M	\$644.1M	\$646.0M	\$647.2M	\$648.0M	\$648.0M
<i>NYC Houses</i>	\$11.0M	\$36.0M	\$101.0M	\$130.0M	\$155.0M	\$249.0M	\$285.0M	\$301.0M	\$306.0M	\$306.0M	\$306.0M	\$306.0M	\$306.0M	\$306.0M
<i>Rental Assistance</i>	\$0.0M	\$0.8M	\$2.0M	\$3.9M	\$5.7M	\$7.6M	\$9.5M	\$11.4M	\$13.3M	\$15.1M	\$17.0M	\$18.2M	\$19.0M	\$19.0M
<i>Multi-Family Building Rehab</i>	\$3.0M	\$10.0M	\$31.0M	\$49.0M	\$113.0M	\$127.0M	\$183.0M	\$199.0M	\$215.0M	\$215.0M	\$215.0M	\$215.0M	\$215.0M	\$215.0M
<i>Public Housing Rehab & Resilience</i>	\$0.0M	\$3.2M	\$29.4M	\$55.6M	\$81.8M	\$108.0M								
Quarterly Projection	\$14.0M	\$36.0M	\$113.4M	\$75.1M	\$117.1M	\$136.1M	\$93.9M	\$33.9M	\$22.9M	\$1.9M	\$1.9M	\$1.2M	\$0.8M	\$0.0M
<i>NYC Houses</i>	\$11.0M	\$25.0M	\$65.0M	\$29.0M	\$25.0M	\$94.0M	\$36.0M	\$16.0M	\$5.0M					
<i>Rental Assistance</i>	-	\$0.8M	\$1.2M	\$1.9M	\$1.2M	\$0.8M								
<i>Multi-Family Building Rehab</i>	\$3.0M	\$7.0M	\$21.0M	\$18.0M	\$64.0M	\$14.0M	\$56.0M	\$16.0M	\$16.0M					
<i>Public Housing Rehab & Resilience</i>	-	\$3.2M	\$26.2M	\$26.2M	\$26.2M	\$26.2M								
Actual Expenditure	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M
<i>NYC Houses</i>														
<i>Rental Assistance</i>														
<i>Multi-Family Building Rehab</i>														
<i>Public Housing Rehab & Resilience</i>														
Actual Quarterly Expend (from QPRs)	\$0.0M													

Housing	1/2017	4/2017	7/2017	10/2017	1/2018	4/2018	7/2018	10/2018	1/2019	4/2019	7/2019	10/2019	1/2020	4/2020
Projected Expenditures	\$648.0M													
<i>NYC Houses</i>	\$306.0M													
<i>Rental Assistance</i>	\$19.0M													
<i>Multi-Family Building Rehab</i>	\$215.0M													
<i>Public Housing Rehab & Resilience</i>	\$108.0M													
Quarterly Projection	\$0.0M													
<i>NYC Houses</i>														
<i>Rental Assistance</i>														
<i>Multi-Family Building Rehab</i>														
<i>Public Housing Rehab & Resilience</i>														
Actual Expenditure	\$0.0M													
<i>NYC Houses</i>														
<i>Rental Assistance</i>														
<i>Multi-Family Building Rehab</i>														
<i>Public Housing Rehab & Resilience</i>														
Actual Quarterly Expend (from QPRs)														



	total	# of quarters	units	persons	straightline cost
NYC Houses Rehabilitation and Reconst	\$306,000,000	9	9300		\$34,000,000
Multi-Family Building Rehabilitation	\$215,000,000	9		13,000	\$23,888,889
Public Housing Rehabilitation and Resili	\$108,000,000	5		20000	\$21,600,000
Rental Assistance	\$19,000,000	12		600	\$1,583,333.33
Program Total	\$648,000,000				

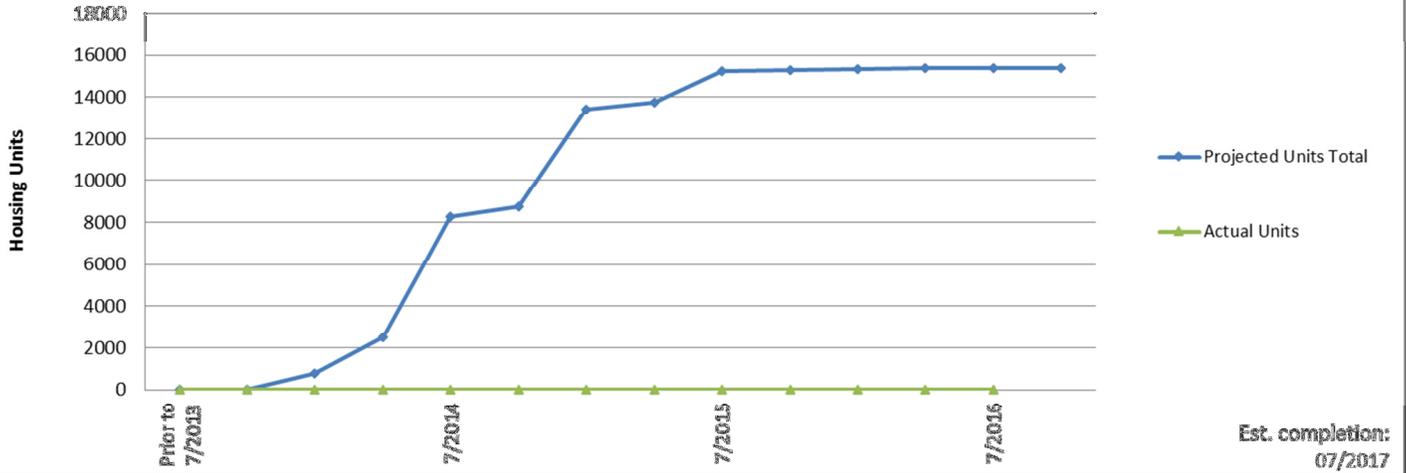
Housing Performance Projections

Housing	Prior to 7/2013	10/2013	1/2014	4/2014	7/2014	10/2014	1/2015	4/2015	7/2015	10/2015	1/2016	4/2016	7/2016	10/2016
Projected Units Total	0	0	763	2522	8281	8740	13399	13758	15217	15276	15335	15373	15400	15400
<i>Projected Units - Rehab/Recon of Residential Structures (SF + MF + Public Housing)</i>	0	0	700	2400	8100	8500	13100	13400	14800	14800	14800	14800	14800	14800
# of Housing Units (Quarterly Projection)	0	0	700	1,700	5,700	400	4,600	300	1,400	0	0	0	0	0
Actual Units	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# of Housing Units (Populated from QPR Reporting)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Projected Units - Public Services (Rental Assistance)</i>	0	25	63	122	181	240	299	358	417	476	535	573	600	600
# of Units (Quarterly Projection)	0	25	38	59	59	59	59	59	59	59	59	38	27	0
Actual Units	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# of Units (Populated from QPR Reporting)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Programs														
<i>NYC Houses Rehabilitation and Reconstruction (Rehab/Recon)</i>														
# of Housing Units	0	0	500	1100	800	400	100	200	0	0	0	0	0	0
<i>Multi-Family Building Rehabilitation(Rehab/Recon)</i>														
# of Housing Units	0	0	200	600	4900	0	4500	100	1400	0	0	0	0	0
<i>Public Housing Rehabilitation and Resilience(Rehab/Recon)</i>														
# of Housing Units	0	0	1650	1650	1650	1650								
<i>Rental Assistance(Public Services)</i>														
# of Housing Units	0	25	38	59	59	59	59	59	59	59	59	38	27	

Housing	1/2017	4/2017	7/2017	10/2017	1/2018	4/2018	7/2018	10/2018	1/2019	4/2019	7/2019
Projected Units Total	15400	15400	15400	15400	15400	15400	15400	15400	15400	15400	15400
<i>Projected Units - Rehab/Recon of Residential Structures (SF + MF + Public Housing)</i>	14800	14800	14800	14800	14800	14800	14800	14800	14800	14800	14800
# of Housing Units (Quarterly Projection)	0	0	0	0	0	0	0	0	0	0	0
Actual Units	0	0	0	0	0	0	0	0	0	0	0
# of Housing Units (Populated from QPR Reporting)											
<i>Projected Units - Public Services (Rental Assistance)</i>	600	600	600	600	600	600	600	600	600	600	600
# of Units (Quarterly Projection)	0	0	0	0	0	0	0	0	0	0	0
Actual Units	0	0	0	0	0	0	0	0	0	0	0
# of Units (Populated from QPR Reporting)											
Programs											
<i>NYC Houses Rehabilitation and Reconstruction (Rehab/Recon)</i>											
# of Housing Units	0	0	0								
<i>Multi-Family Building Rehabilitation(Rehab/Recon)</i>											
# of Housing Units	0	0	0								
<i>Public Housing Rehabilitation and Resilience(Rehab/Recon)</i>											
# of Housing Units											
<i>Rental Assistance(Public Services)</i>											
# of Housing Units											

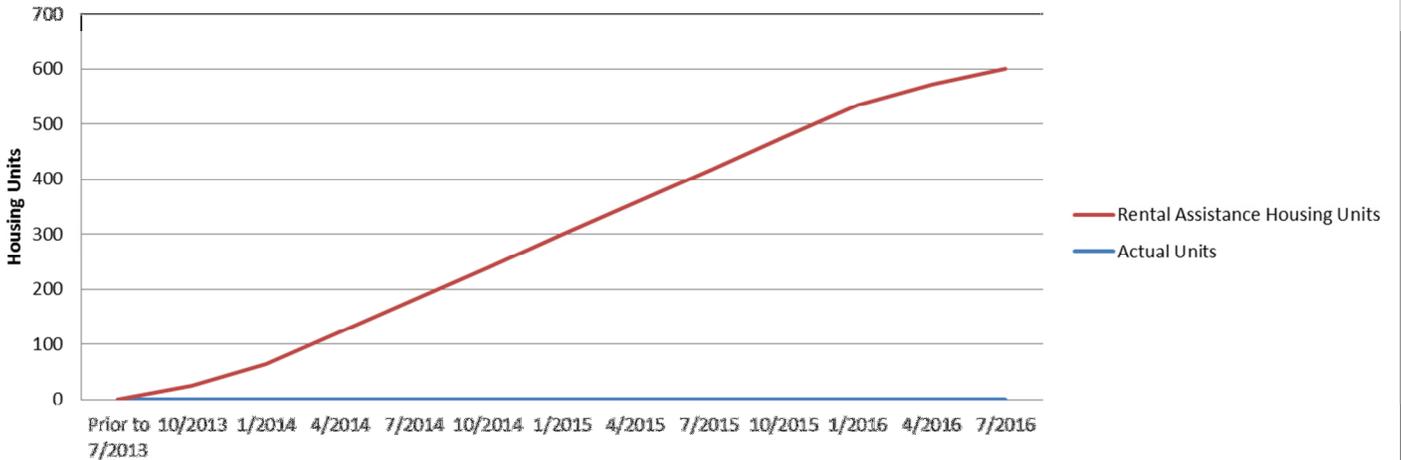
City of New York Disaster Recovery Program

Rehab/Recon of Residential Structures Accomplishments



City of New York Disaster Recovery Program

Rental Assistance Accomplishments



	total	# of quarters	units	persons	straightline cost	straightline units
NYC Houses Rehabilitation and Recon	\$306,000,000	9	9300		\$34,000,000	1033.333333
Multi-Family Building Rehabilitation	\$215,000,000	9	13,000		\$23,888,889	1444.444444
Public Housing Rehabilitation and Resi	\$108,000,000	5	6600	20000	\$21,600,000	1320
Rental Assistance	\$19,000,000	12	600		\$1,583,333	50
Program Total	\$648,000,000		29500			

Business

Pending the launch and overall design of several Business Activities, the City has worked to develop best estimates of expenses and beneficiaries given current information. To simplify assumptions about future expenditures and performance, the projected expenditures for the **Neighborhood Game Changer Investment Program**, **Business Resiliency Investment Program**, and **Infrastructure and Building Resiliency Technologies Competition** are equally distributed over the each program's estimated schedule. These estimates will be updated once overall program design is better formulated and respondents to open Requests for Proposals (RPFs) have been selected, and competition and program applications have been received.

The **Business Loan and Grant Program** has begun intake for interested businesses and has based its estimates on an earlier program that provided loans and grants to Sandy-impacted Businesses. Expenses are projected to begin in the second quarter of 2013, with a significant investment in the third quarter of 2013 to recruit the staff needed for this program and to begin distribution of loan and grant funds through the New York Business Development Corporation LDC (NYLDC). Expenses further increase in the fourth quarter of 2013 with the addition of Community Development Financial Institutions (CDFIs) as additional lending partners. All loan and grant funds are projected to be disbursed by the fourth quarter of 2015 with additional smaller expenses for loan servicing and monitoring through the third quarter of 2019, as loans are paid back.

Given the nature of all Business Activities, the City's high-level, initial estimates of job creation/retention are expected to lag behind program expenditures. For their respective programs, job creation/retention estimates are based on:

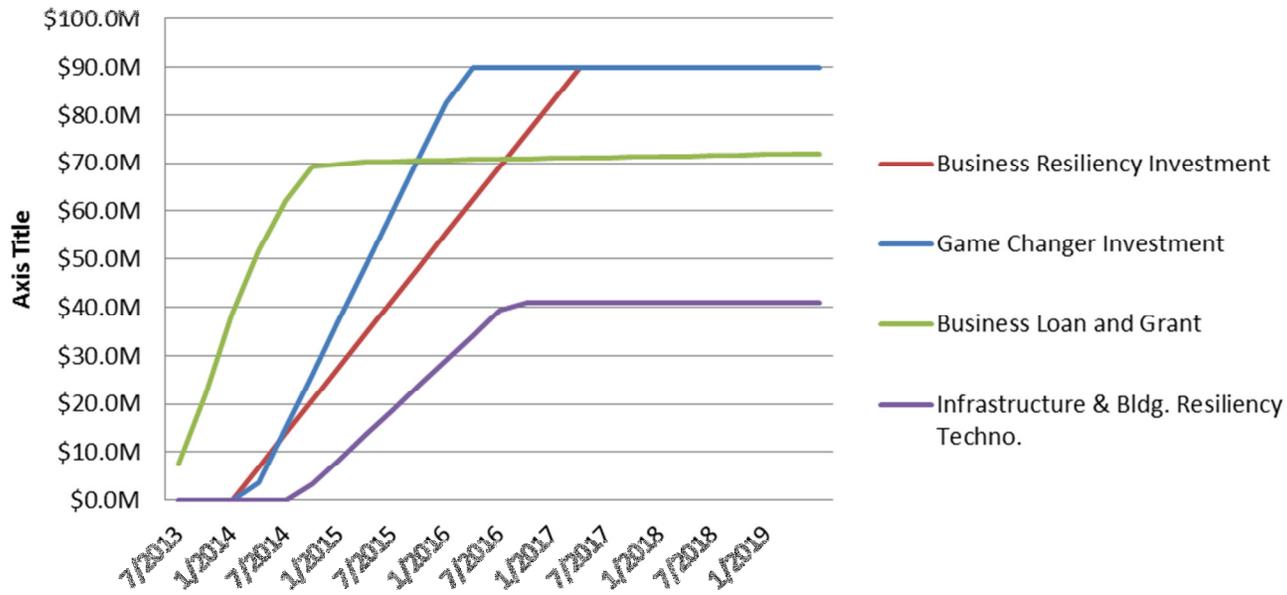
- **Neighborhood Game Changer Investment Program:** performance requirements in similar programs to create and retain jobs, as well as the scale of the overall program,
- **Business Resiliency Investment Program:** the number of businesses impacted by Hurricane Sandy, the average number of employees at businesses in those areas, and an estimate of the number of businesses that could be reached using currently available funds, based on analysis completed as part of the Mayor's Special Initiative for Rebuilding and Resiliency's (SIRR) *A Stronger, More Resilient New York* report of the estimated potential costs and benefits of targeted flood-protection measures on sites in the 100-year floodplain,
- **Infrastructure and Building Resiliency Technologies Competition:** U.S. Department of Housing and Urban Development (HUD) benchmarks for similar programs, and
- **Business Loan and Grant Program:** an earlier program that provided loans and grants to Sandy-impacted Businesses.

Business Financial Projections

Economic Development	7/2013	10/2013	1/2014	4/2014	7/2014	10/2014	1/2015	4/2015	7/2015	10/2015	1/2016	4/2016	7/2016
Projected Expenditures													
<i>Business Loan and Grant</i>	\$7.7M	\$21.8M	\$38.5M	\$51.8M	\$62.1M	\$69.2M	\$69.8M	\$70.3M	\$70.4M	\$70.5M	\$70.6M	\$70.7M	\$70.8M
<i>Business Resiliency Investment</i>	\$0.0M	\$0.0M	\$0.0M	\$6.9M	\$13.8M	\$20.8M	\$27.7M	\$34.6M	\$41.5M	\$48.5M	\$55.4M	\$62.3M	\$69.2M
<i>Game Changer Investment</i>	\$0.0M	\$0.0M	\$0.0M	\$3.8M	\$15.0M	\$26.3M	\$37.5M	\$48.8M	\$60.0M	\$71.3M	\$82.5M	\$90.0M	\$90.0M
<i>Infrastructure & Bldg. Resiliency Techno.</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$3.4M	\$8.5M	\$13.7M	\$18.8M	\$23.9M	\$29.0M	\$34.2M	\$39.3M
Quarterly Projection													
<i>Business Loan and Grant</i>	\$7.7M	\$14.2M	\$16.6M	\$13.3M	\$10.3M	\$7.1M	\$0.5M	\$0.5M	\$0.1M	\$0.1M	\$0.1M	\$0.1M	\$0.1M
<i>Business Resiliency Investment</i>	\$0.0M	\$0.0M	\$0.0M	\$6.9M	\$6.9M	\$6.9M	\$6.9M	\$6.9M	\$6.9M	\$6.9M	\$6.9M	\$6.9M	\$6.9M
<i>Game Changer Investment</i>	\$0.0M	\$0.0M	\$0.0M	\$3.8M	\$11.3M	\$11.3M	\$11.3M	\$11.3M	\$11.3M	\$11.3M	\$11.3M	\$7.5M	\$0.0M
<i>Infrastructure & Bldg. Resiliency Techno.</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$3.4M	\$5.1M	\$5.1M	\$5.1M	\$5.1M	\$5.1M	\$5.1M	\$5.1M
Actual Expenditure													
<i>Business Loan and Grant</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M
<i>Business Resiliency Investment</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M
<i>Game Changer Investment</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M
<i>Infrastructure & Bldg. Resiliency Techno.</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M
Actual Quarterly Expend (from QPRs)													
<i>Business Loan and Grant</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M
<i>Business Resiliency Investment</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M
<i>Game Changer Investment</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M
<i>Infrastructure & Bldg. Resiliency Techno.</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M
Economic Development	10/2016	1/2017	4/2017	7/2017	10/2017	1/2018	4/2018	7/2018	10/2018	1/2019	4/2019	7/2019	
Projected Expenditures													
<i>Business Loan and Grant</i>	\$70.9M	\$71.0M	\$71.1M	\$71.2M	\$71.3M	\$71.4M	\$71.4M	\$71.5M	\$71.7M	\$71.8M	\$71.9M	\$72.0M	
<i>Business Resiliency Investment</i>	\$76.2M	\$83.1M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	
<i>Game Changer Investment</i>	\$90.0M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	\$90.0M	
<i>Infrastructure & Bldg. Resiliency Techno.</i>	\$41.0M	\$41.0M	\$41.0M	\$41.0M	\$41.0M	\$41.0M	\$41.0M	\$41.0M	\$41.0M	\$41.0M	\$41.0M	\$41.0M	
Quarterly Projection													
<i>Business Loan and Grant</i>	\$0.1M	\$0.1M	\$0.1M	\$0.1M	\$0.1M	\$0.1M	\$0.1M	\$0.1M	\$0.1M	\$0.1M	\$0.1M	\$0.1M	
<i>Business Resiliency Investment</i>	\$6.9M	\$6.9M	\$6.9M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	
<i>Game Changer Investment</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	
<i>Infrastructure & Bldg. Resiliency Techno.</i>	\$1.7M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	
Actual Expenditure													
<i>Business Loan and Grant</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	
<i>Business Resiliency Investment</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	
<i>Game Changer Investment</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	
<i>Infrastructure & Bldg. Resiliency Techno.</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	
Actual Quarterly Expend (from QPRs)													
<i>Business Loan and Grant</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	
<i>Business Resiliency Investment</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	
<i>Game Changer Investment</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	
<i>Infrastructure & Bldg. Resiliency Techno.</i>	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	\$0.0M	

City of New York Disaster Recovery Program

Economic Development Expenditures



Business Performance Projections

Economic Development	Prior to 7/2013	10/2013	1/2014	4/2014	7/2014	10/2014	1/2015	4/2015	7/2015	10/2015	1/2016	4/2016	7/2016	10/2016
Business Loan and Grant														
Projected # of Jobs Created/Retained	0	0	765	2,166	3,777	5,082	6,101	6,814	6,915	7,016	7,048	7,077	7,106	7,135
# of Jobs Created/Retained (Quarterly Projection)	0	0	765	1,401	1,611	1,305	1,019	713	101	101	32	29	29	29
Actual Jobs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# of Jobs Created/Retained (Populated from QPR Reporting)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Game Changer Investment Competition														
Projected # of Jobs Created/Retained	0	0	0	0	0	0	0	0	0	0	0	47	188	329
# of Jobs Created/Retained (Quarterly Projection)	0	0	0	0	0	0	0	0	0	0	0	47	141	141
Actual Jobs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# of Jobs Created/Retained (Populated from QPR Reporting)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infrastructure and Building Resiliency Technologies Competition														
Projected # of Jobs Created/Retained	0	0	0	0	0	0	0	0	0	0	0	0	0	114
# of Jobs Created/Retained (Quarterly Projection)	0	0	0	0	0	0	0	0	0	0	0	0	0	114
Actual Jobs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# of Jobs Created/Retained (Populated from QPR Reporting)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Business Resiliency Investment Program														
Projected # of Jobs Created/Retained	0	0	0	0	0	0	0	0	0	0	0	323	646	969
# of Jobs Created/Retained (Quarterly Projection)	0	0	0	0	0	0	0	0	0	0	0	323	323	323
Actual Jobs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# of Jobs Created/Retained (Populated from QPR Reporting)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Quarterly Projections by Activity Type

Business Loan and Grant														
# of Permanent Jobs Created	0	765	1401	1611	1305	1019	713	101	101	32	29	29	29	29
Game Changer Investment Competition														
# of Permanent Jobs Created	0	0	0	0	0	0	0	0	0	0	47	141	141	141
Infrastructure and Building Resiliency Technologies Competition														
# of Permanent Jobs Created	0	0	0	0	0	0	0	0	0	0	0	0	0	114
Business Resiliency Investment Program														
# of Permanent Jobs Created	0	0	0	0	0	0	0	0	0	0	323	323	323	323

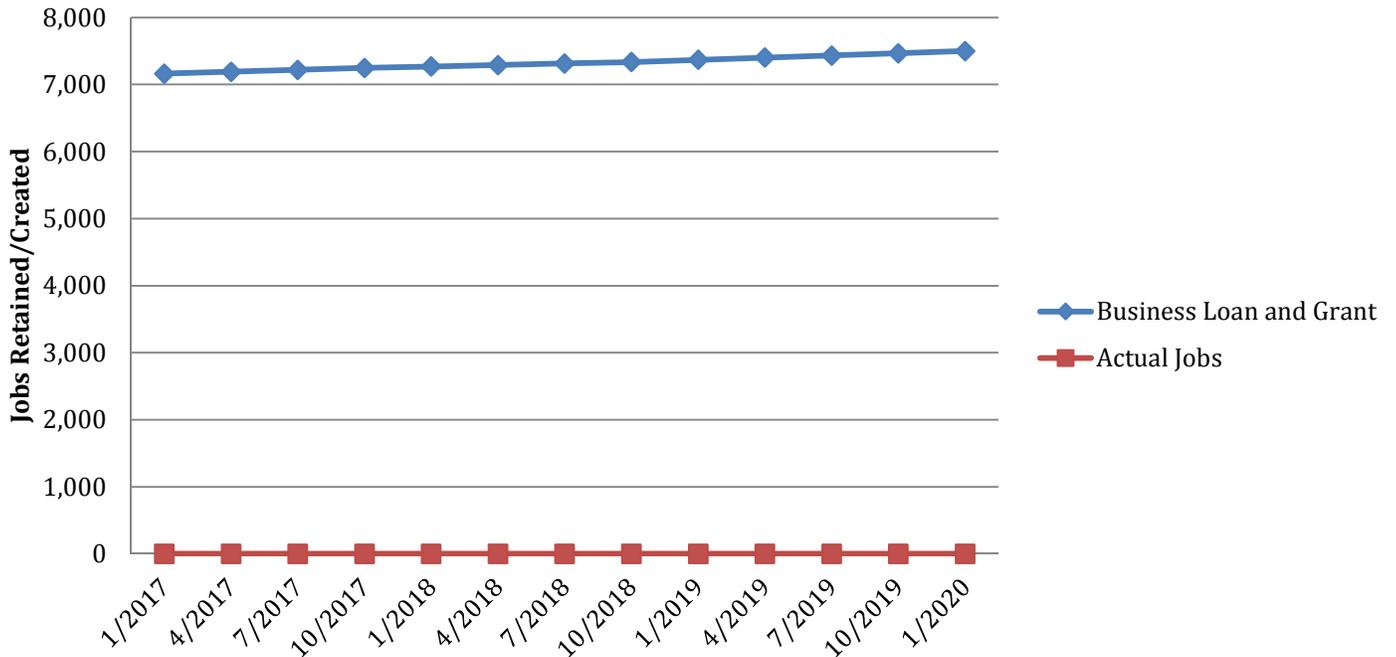
Economic Development	1/2017	4/2017	7/2017	10/2017	1/2018	4/2018	7/2018	10/2018	1/2019	4/2019	7/2019	10/2019	1/2020
Business Loan and Grant													
Projected # of Jobs Created/Retained	7,163	7,191	7,219	7,247	7,269	7,291	7,313	7,335	7,368	7,401	7,434	7,467	7,500
# of Jobs Created/Retained (Quarterly Projection)	28	28	28	28	22	22	22	22	33	33	33	33	33
Actual Jobs	0	0	0	0	0	0	0	0	0	0	0	0	0
# of Jobs Created/Retained (Populated from QPR Reporting)	0	0	0	0	0	0	0	0	0	0	0	0	0
Game Changer Investment Competition													
Projected # of Jobs Created/Retained	470	611	752	893	1,034	1,125	1,125	1,125	1,125	1,125	1,125	1,125	1,125
# of Jobs Created/Retained (Quarterly Projection)	141	141	141	141	141	91	0	0	0	0	0	0	0
Actual Jobs	0	0	0	0	0	0	0	0	0	0	0	0	0
# of Jobs Created/Retained (Populated from QPR Reporting)	0	0	0	0	0	0	0	0	0	0	0	0	0
Infrastructure and Building Resiliency Technologies Competition													
Projected # of Jobs Created/Retained	285	456	627	798	969	1,140	1,311	1,370	1,370	1,370	1,370	1,370	1,370
# of Jobs Created/Retained (Quarterly Projection)	171	171	171	171	171	171	171	59	0	0	0	0	0
Actual Jobs	0	0	0	0	0	0	0	0	0	0	0	0	0
# of Jobs Created/Retained (Populated from QPR Reporting)	0	0	0	0	0	0	0	0	0	0	0	0	0
Business Resiliency Investment Program													
Projected # of Jobs Created/Retained	1,292	1,615	1,938	2,261	2,584	2,907	3,230	3,553	3,876	4,200	4,200	4,200	4,200
# of Jobs Created/Retained (Quarterly Projection)	323	323	323	323	323	323	323	323	323	324	0	0	0
Actual Jobs	0	0	0	0	0	0	0	0	0	0	0	0	0
# of Jobs Created/Retained (Populated from QPR Reporting)	0	0	0	0	0	0	0	0	0	0	0	0	0

Quarterly Projections by Activity Type

Business Loan and Grant													
# of Permanent Jobs Created	28	28	28	28	22	22	22	22	33	33	33	33	33
Game Changer Investment Competition													
# of Permanent Jobs Created	141	141	141	141	141	91							
Infrastructure and Building Resiliency Technologies Competition													
# of Permanent Jobs Created	171	171	171	171	171	171	171	59					
Business Resiliency Investment Program													
# of Permanent Jobs Created	323	323	323	323	323	323	323	323	323	324			

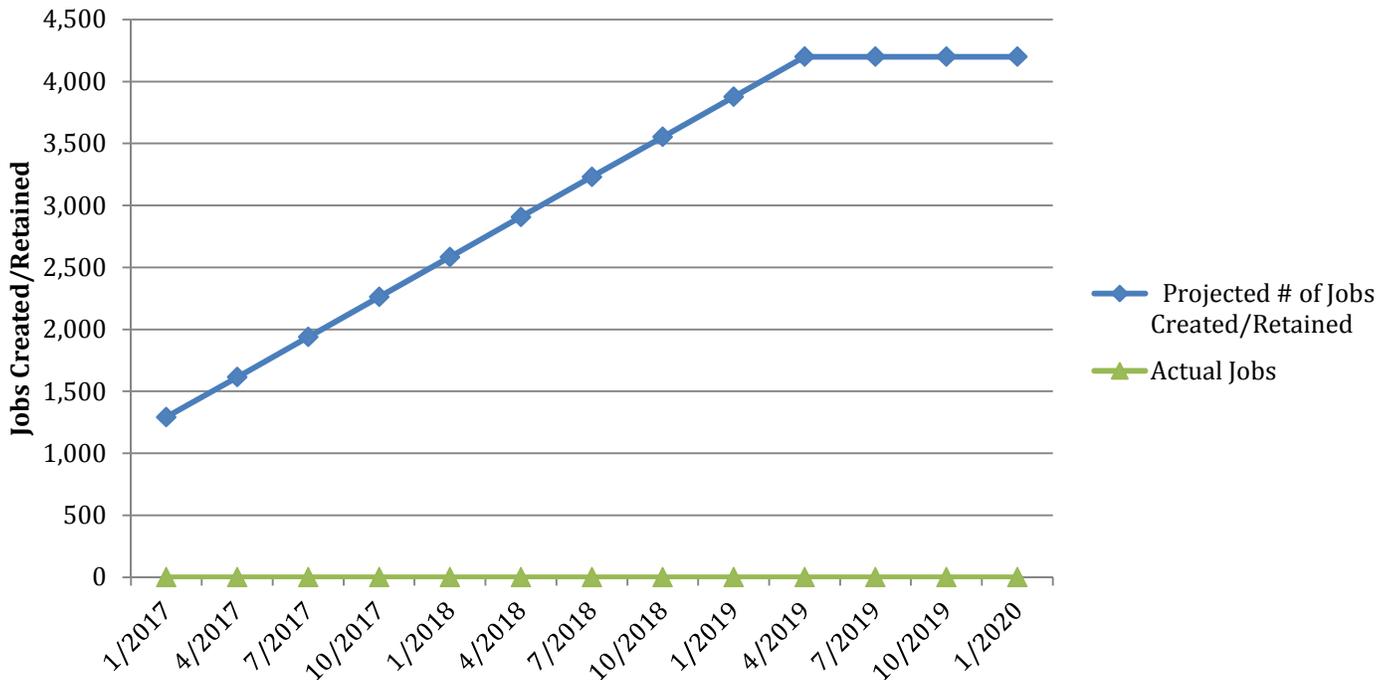
City of New York Disaster Recovery Program

Business Loan and Grant



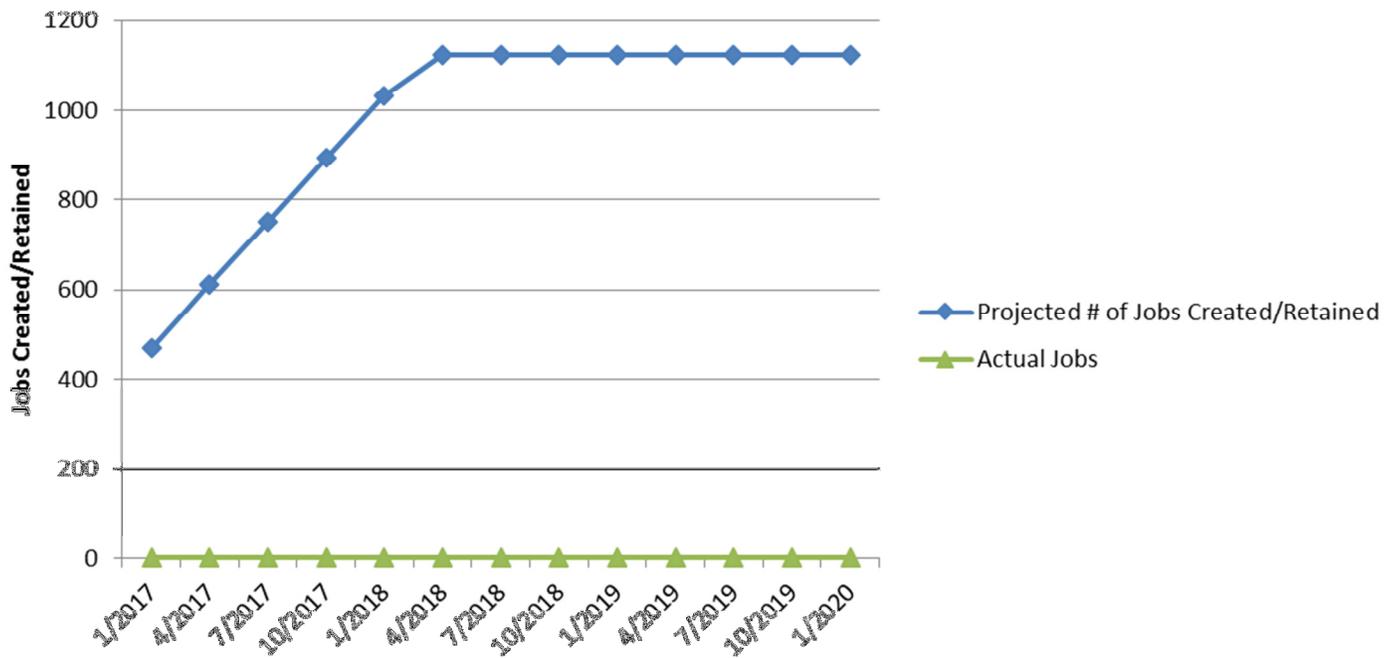
City of New York Disaster Recovery Program

Business Resiliency Investment Accomplishments



City of New York Disaster Recovery Program

Game Changer Investment Accomplishments



Infrastructure and Other City Services

Within the Action Plan amendment, programs listed under Infrastructure & Other City Services include: Public services, Debris removal, Emergency clearance, Code enforcement, and Rehab and reconstruction of facilities.

The program allocation is \$360M, most of which will be spent from the first round to reimburse Public Service activities conducted by various agencies to protect communities and provide for the health, safety, and welfare of NYC residents. The financial projections table illustrates costs that have already been expensed by city agencies, as well as current and future expected costs that would need to be reimbursed. Given the late start to the program, the assumption within the table is that since October 29, 2012 a high portion of costs have been accrued such that higher reimbursement activity would occur early in the program, and taper off at a steady pace in the months thereafter. The numbers shown attempt to match directly with the timelines and program allocations given in the Action Plan amendment.

Similarly, the performance numbers come directly from the Action Plan amendment and accomplishments are assumed to span the entire life of the disaster recovery program. For Rehabilitation and reconstruction of facilities, projected accomplishments are for 96 buildings to be rehabilitated or reconstructed. 80,000 buildings were inspected for Code enforcement. 400 building structures posed a threat to surrounding communities and therefore had to be demolished. Lastly, for public services and debris removal, the assumption is that 8.2 million NYC residents were assisted for these two citywide activities.

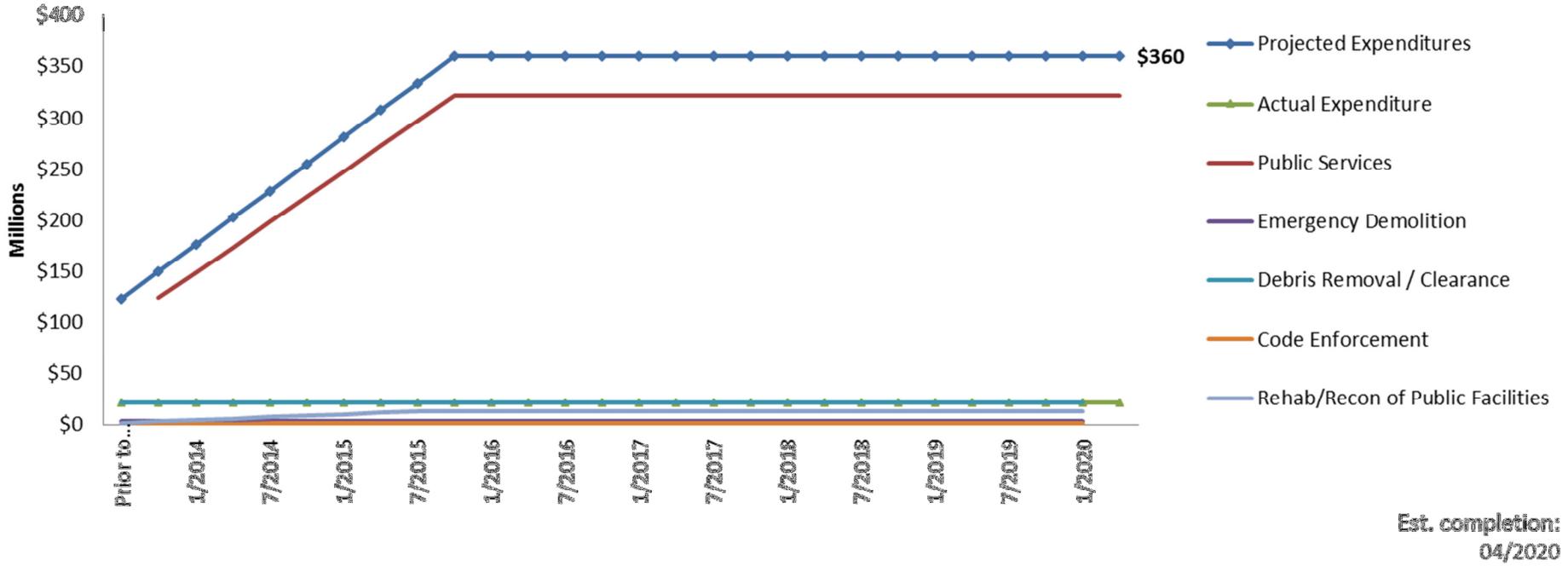
Infrastructure and Other City Services Financial Projections

Public Infrastructure	Prior to 7/2013	10/2013	1/2014	4/2014	7/2014	10/2014	1/2015	4/2015	7/2015	10/2015	1/2016	4/2016	7/2016	10/2016
Projected Expenditures	\$123 M	\$150 M	\$176 M	\$202 M	\$229 M	\$255 M	\$281 M	\$307 M	\$334 M	\$360 M				
Public Services		\$124 M	\$149 M	\$173 M	\$198 M	\$223 M	\$248 M	\$272 M	\$297 M	\$322 M				
Emergency Demolition		\$3 M												
Debris Removal / Clearance		\$21 M												
Code Enforcement		\$ M	\$ M	\$1 M	\$1 M	\$1 M	\$1 M	\$1 M	\$1 M	\$1 M	\$1 M	\$1 M	\$1 M	\$1 M
Rehab/Recon of Public Facilities		\$1 M	\$3 M	\$4 M	\$6 M	\$7 M	\$9 M	\$10 M	\$12 M	\$13 M				
Quarterly Projection	\$123 M	\$26 M	\$26 M	\$26 M	\$26 M	\$26 M	\$26 M	\$26 M	\$26 M	\$26 M	\$ M	\$ M	\$ M	\$ M
Public Services	\$99 M	\$25 M	\$25 M	\$25 M	\$25 M	\$25 M	\$25 M	\$25 M	\$25 M	\$25 M				
Emergency Demolition	\$3 M													
Debris Removal / Clearance	\$21 M													
Code Enforcement	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M				
Rehab/Recon of Public Facilities	\$1 M	\$1 M	\$1 M	\$1 M	\$1 M	\$1 M	\$1 M	\$1 M	\$1 M	\$1 M				
Actual Expenditure	\$21 M	\$21 M	\$21 M	\$21 M	\$21 M	\$21 M	\$21 M	\$21 M	\$21 M	\$21 M	\$21 M	\$21 M	\$21 M	\$21 M
Public Services														
Emergency Demolition														
Debris Removal / Clearance	\$21 M													
Code Enforcement														
Rehab/Recon of Public Facilities														
Actual Quarterly Expend (from QPRs)	\$21 M													

Public Infrastructure	1/2017	4/2017	7/2017	10/2017	1/2018	4/2018	7/2018	10/2018	1/2019	4/2019	7/2019	10/2019	1/2020	4/2020
Projected Expenditures	\$360 M													
Public Services	\$322 M													
Emergency Demolition	\$3 M													
Debris Removal / Clearance	\$21 M													
Code Enforcement	\$1 M													
Rehab/Recon of Public Facilities	\$13 M													
Quarterly Projection	\$ M													
Public Services														
Emergency Demolition														
Debris Removal / Clearance														
Code Enforcement														
Rehab/Recon of Public Facilities														
Actual Expenditure	\$21 M													
Public Services														
Emergency Demolition														
Debris Removal / Clearance														
Code Enforcement														
Rehab/Recon of Public Facilities														
Actual Quarterly Expend (from QPRs)														

City of New York Disaster Recovery Program

Public Infrastructure Expenditures



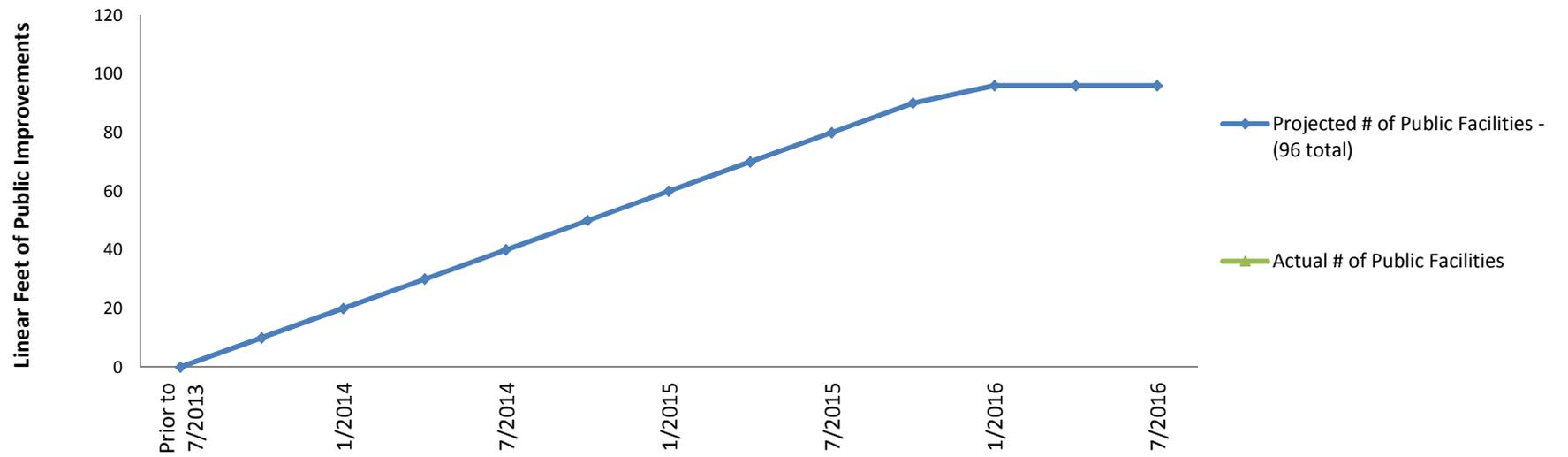
Infrastructure and Other City Services Performance Projections

Public Infrastructure	Prior to 7/2013	10/2013	1/2014	4/2014	7/2014	10/2014	1/2015	4/2015	7/2015	10/2015	1/2016	4/2016	7/2016	10/2016	1/2017
Rehab/Recon of Public Improvement															
Projected # of Public Facilities <i>-(96 total)</i>	0	10	20	30	40	50	60	70	80	90	96	96	96	96	96
# of Public Facilities (Quarterly Projection)	0	10	10	10	10	10	10	10	10	10	6	0	0	0	0
Actual # of Public Facilities															
# of Public Facilities (Populated from QPR Reporting)															
Public Services															
Projected # of People Served - HHC - <i>Citywide 8.2M</i>	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
# of People Served (Quarterly Projection)	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
Actual # of People Served	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
# of People Served (Populated from QPR Reporting)															
Code Enforcement															
Projected # Buildings Inspected <i>(80,000 total)</i>	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
# of Buildings Inspected (Quarterly Projection)	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
Actual # of Buildings Inspected															
# of Buildings Inspected (Populated from QPR Reporting)															
Debris Removal															
Projected # of People Served - <i>Citywide 8.2M</i>	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
# of People Served (Quarterly Projection)	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
Actual # of People Served															
# of People Served (Populated from QPR Reporting)															
Emergency Demolition															
Projected # of Properties <i>(400 total)</i>	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
# of Properties (Quarterly Projection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Actual # of Properties															
# of Properties (Populated from QPR Reporting)															
Quarterly Projections by Activity Type															
Rehab Recon of Public Improved															
Projected # of Public Facilities	0	10	20	30	40	50	60	70	80	90	96	96	96	96	96
Public Services															
Projected # of People Served	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
Code Enforcement															
Projected # Buildings Inspected	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Debris Removal															
Projected # of People Served	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
Emergency Demolition															
Projected # of Properties	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400

Public Infrastructure	4/2017	7/2017	10/2017	1/2018	4/2018	7/2018	10/2018	1/2019	4/2019	7/2019	10/2019	1/2020	4/2020
Rehab/Recon of Public Improvement													
Projected # of Public Facilities <i>-(96 total)</i>	96	96	96	96	96	96	96	96	96	96	96	96	96
# of Public Facilities (Quarterly Projection)	0	0	0	0	0	0	0	0	0	0	0	0	0
Actual # of Public Facilities													
# of Public Facilities (Populated from QPR Reporting)													
Public Services													
Projected # of People Served - HHC - <i>Citywide 8.2M</i>	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
# of People Served (Quarterly Projection)	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
Actual # of People Served	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
# of People Served (Populated from QPR Reporting)													
Code Enforcement													
Projected # Buildings Inspected <i>(80,000 total)</i>	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
# of Buildings Inspected (Quarterly Projection)	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000
Actual # of Buildings Inspected													
# of Buildings Inspected (Populated from QPR Reporting)													
Debris Removal													
Projected # of People Served - <i>Citywide 8.2M</i>	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
# of People Served (Quarterly Projection)	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20	8.20
Actual # of People Served													
# of People Served (Populated from QPR Reporting)													
Emergency Demolition													
Projected # of Properties <i>(400 total)</i>	400	400	400	400	400	400	400	400	400	400	400	400	400
# of Properties (Quarterly Projection)	400	400	400	400	400	400	400	400	400	400	400	400	400
Actual # of Properties													
# of Properties (Populated from QPR Reporting)													
Quarterly Projections by Activity Type													
Rehab Recon of Public Improved													
Projected # of Public Facilities	96	96	96	96	96	96	96	96	96	96	96	96	96
Public Services													
Projected # of People Served	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
Code Enforcement													
Projected # Buildings Inspected	80	80	80	80	80	80	80	80	80	80	80	80	80
Debris Removal													
Projected # of People Served	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
Emergency Demolition													
Projected # of Properties	400	400	400	400	400	400	400	400	400	400	400	400	400

City of New York Disaster Recovery Program

Public Improvement Accomplishments



Est. completion:
Calendar Q6

Resiliency

Resiliency measures have been further outlined in the first Action Plan amendment. Based on the Mayor's Special Initiative for Rebuilding and Resiliency's (SIRR) *A Stronger, More Resilient New York* report, program descriptions have been detailed for both Coastal Protection and Building Impacts projects.

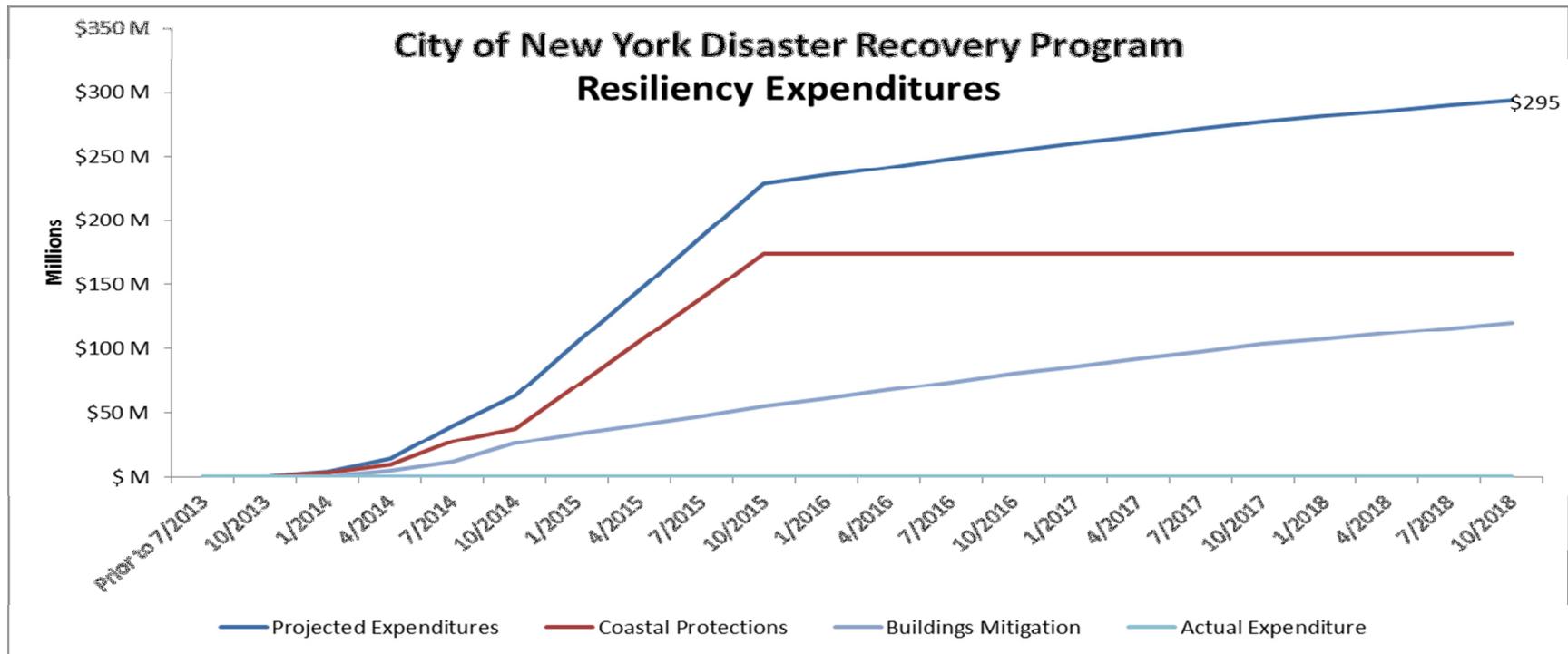
Coastal Protection program allocation is currently proposed at \$174 million to be distributed among installing armor stone revetments; repairing, installing, and raising bulkheads; and designing (through a Global Design Competition) and installing an integrated Flood Protection System at Hospital Row. As stated in the first Action Plan Amendment, the Coastal Protection program is currently projected to begin during the latter half of 2013 through to 2018, and it is on this basis for which the expenditure projections are based on. Expenditures are projected to begin early 2014 and continue through to the latter half of 2015.

Likewise, the current proposed allocation towards Building Impacts is at \$120 million, to be used towards the Building Mitigation Incentive Program as described in the first Action Plan Amendment. Project Management Office (PMO) for the incentive program will probably not be established until end of 2013 so it is likely the first applications for funding will not be processed until the first quarter of 2014. If the funding is tied to the submission of reimbursement receipts, then a lag will be incorporated into the timeframe to match the estimated construction period for the retrofits. One-to-three family homes were not specifically targeted in this analysis due to half the funds being allocated to the NYC Housing Preservation and Development (HPD) for affordable housing projects (assumed 50% split between low-rise and high-rise) and the rest of it allocated to NYC Economic Development Corporation (EDC), which will likely be for commercial and mixed-use high-rise projects. HPD will only be financing affordable housing with their program while EDC has the discretion to focus on any commercial or high-rise building types. Industrial low-rise buildings (1-2 stories) not assumed to take up funds due to strained economics (low rents / building values relative to resiliency retrofit costs). Projected outcomes were based off similar analysis and distributed equally through the first eight quarters (and beyond) given the range of 20-34 million sq. ft., which is consistent with the Action Plan's amendment of estimated 20 million square feet.

Resiliency Financial Projections

Resiliency	Prior to 7/2013	10/2013	1/2014	4/2014	7/2014	10/2014	1/2015	4/2015	7/2015	10/2015	1/2016
Projected Expenditures	\$ M	\$ M	\$4 M	\$14 M	\$40 M	\$64 M	\$105 M	\$146 M	\$188 M	\$229 M	\$235 M
Coastal Protections		\$ M	\$4 M	\$10 M	\$28 M	\$37 M	\$71 M	\$106 M	\$140 M	\$174 M	\$174 M
Buildings Mitigation		\$ M	\$1 M	\$5 M	\$12 M	\$26 M	\$33 M	\$41 M	\$48 M	\$55 M	\$61 M
Quarterly Projection	\$ M	\$ M	\$4 M	\$10 M	\$25 M	\$24 M	\$41 M	\$41 M	\$41 M	\$41 M	\$6 M
Coastal Protections		\$0.00 M	\$3.50 M	\$6.00 M	\$18.30 M	\$9.30 M	\$34.30 M	\$34.30 M	\$34.30 M	\$34.30 M	\$0.00 M
Buildings Mitigation		\$0.00 M	\$0.58 M	\$4.19 M	\$7.11 M	\$14.56 M	\$7.05 M	\$7.05 M	\$7.05 M	\$7.05 M	\$6.45 M
Actual Expenditure	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M
Actual Quarterly Expend (from QPRs)	\$ M										

Resiliency	4/2016	7/2016	10/2016	1/2017	4/2017	7/2017	10/2017	1/2018	4/2018	7/2018	10/2018
Projected Expenditures	\$242 M	\$248 M	\$255 M	\$260 M	\$266 M	\$272 M	\$278 M	\$282 M	\$286 M	\$290 M	\$294 M
Coastal Protections	\$174 M										
Buildings Mitigation	\$68 M	\$74 M	\$80 M	\$86 M	\$92 M	\$98 M	\$103 M	\$107 M	\$112 M	\$116 M	\$120 M
Quarterly Projection	\$6 M	\$4 M	\$4 M	\$4 M	\$4 M						
Coastal Protections	\$0.00 M										
Buildings Mitigation	\$6.45 M	\$6.45 M	\$6.45 M	\$5.70 M	\$5.70 M	\$5.70 M	\$5.70 M	\$4.20 M	\$4.20 M	\$4.20 M	\$4.20 M
Actual Expenditure	\$ M										
Actual Quarterly Expend (from QPRs)											



Resiliency Performance Projections

Resiliency	Prior to 7/2013	10/2013	1/2014	4/2014	7/2014	10/2014	1/2015	4/2015	7/2015	10/2015	1/2016	4/2016	7/2016	10/2016
Buildings Mitigation														
Projected # of Sq. Feet of Residential and Other Nonresidential structures (approximately 20M square ft.)	0.00	0.00	2.22	4.44	6.66	8.88	11.10	13.32	15.54	17.76	19.98	22.20	24.42	26.64
# of Sq. Feet of Residential and Other Nonresidential structures (Quarterly Projection)		0.00	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22
Actual # Sq. ft of Residential and Other Nonresidential structures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
# of Sq. Feet of Residential and Other Nonresidential structures (Populated from QPR Reporting)	0.00													

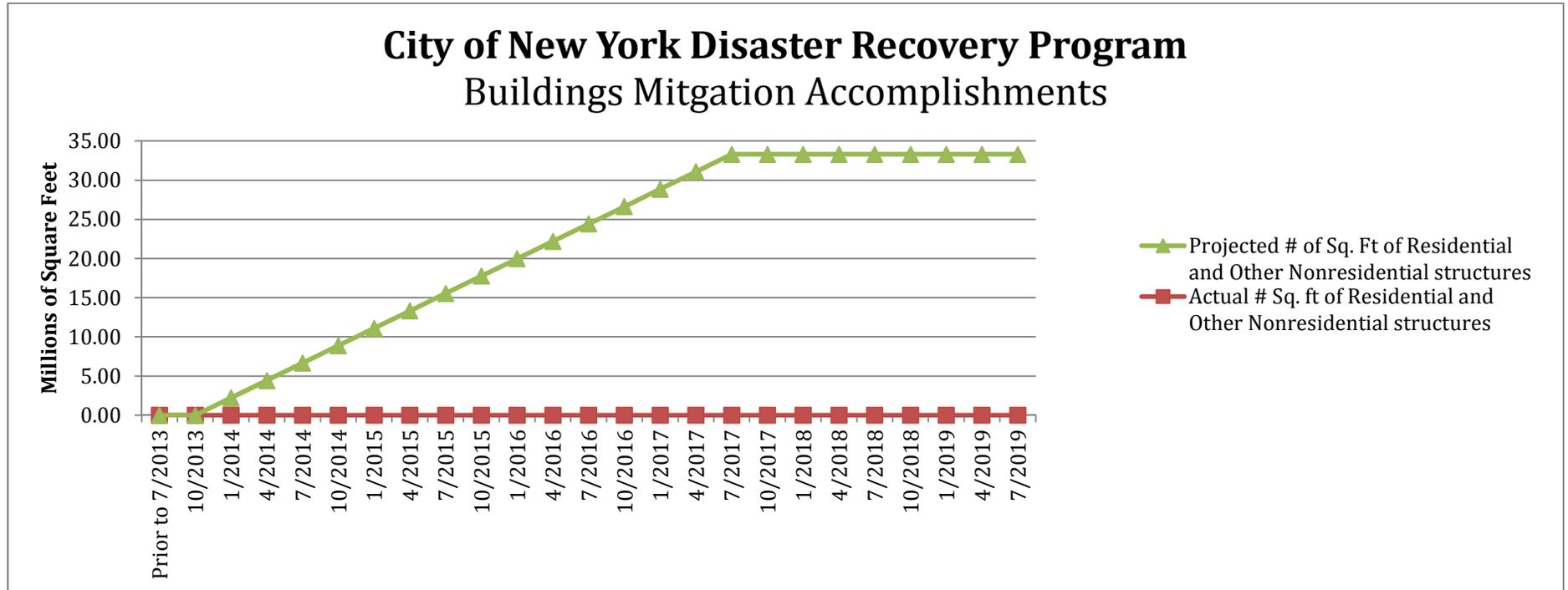
Quarterly Projections by Activity Type

Building Mitigation	Prior to 7/2013	10/2013	1/2014	4/2014	7/2014	10/2014	1/2015	4/2015	7/2015	10/2015	1/2016	4/2016	7/2016	10/2016
Projected # of Sq. Ft of Residential and Other Nonresidential structures	0	0	2.22	4.44	6.66	8.88	11.1	13.32	15.54	17.76	19.98	22.2	24.42	26.64

Resiliency	1/2017	4/2017	7/2017	10/2017	1/2018	4/2018	7/2018	10/2018	1/2019	4/2019	7/2019	10/2019	1/2020	4/2020
Buildings Mitigation														
Projected # of Sq. Feet of Residential and Other Nonresidential structures (approximately 20M square ft.)	28.86	31.08	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30	33.30
# of Sq. Feet of Residential and Other Nonresidential structures (Quarterly Projection)	2.22	2.22	2.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Actual # Sq. ft of Residential and Other Nonresidential structures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
# of Sq. Feet of Residential and Other Nonresidential structures (Populated from QPR Reporting)														

Quarterly Projections by Activity Type

Building Mitigation	1/2017	4/2017	7/2017	10/2017	1/2018	4/2018	7/2018	10/2018	1/2019	4/2019	7/2019	10/2019	1/2020	4/2020
Projected # of Sq. Ft of Residential and Other Nonresidential structures	28.86	31.08	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3



Citywide Administrative and Planning Financial Projections

Planning & Admin	Prior to 7/2013	10/2013	1/2014	4/2014	7/2014	10/2014	1/2015	4/2015	7/2015	10/2015	1/2016	4/2016	7/2016	10/2016
Projected Expenditures	\$15 M	\$34 M	\$53 M	\$71 M	\$90 M	\$109 M	\$113 M	\$117 M	\$120 M	\$124 M	\$128 M	\$132 M	\$136 M	\$140 M
<i>Planning</i>	\$15 M	\$15 M	\$15 M	\$15 M	\$15 M	\$15 M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M
<i>Administration</i>	\$ M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M
Quarterly Projection	\$15 M	\$19 M	\$19 M	\$19 M	\$19 M	\$19 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M
<i>Planning</i>	\$15 M	\$15 M	\$15 M	\$15 M	\$15 M	\$15 M								
<i>Administration</i>		\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M	\$4 M
Actual Expenditure	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M	\$ M
Actual Quarterly Expend (from QPRs)	\$ M													

Planning & Admin	1/2017	4/2017	7/2017	10/2017	1/2018	4/2018	7/2018	10/2018	1/2019	4/2019
Projected Expenditures	\$143 M	\$147 M	\$151 M	\$155 M	\$159 M	\$162 M	\$166 M	\$170 M	\$174 M	\$178 M
<i>Planning</i>	\$ M									
<i>Administration</i>	\$4 M									
Quarterly Projection	\$4 M									
<i>Planning</i>										
<i>Administration</i>	\$4 M									
Actual Expenditure	\$ M									
Actual Quarterly Expend (from QPRs)										

