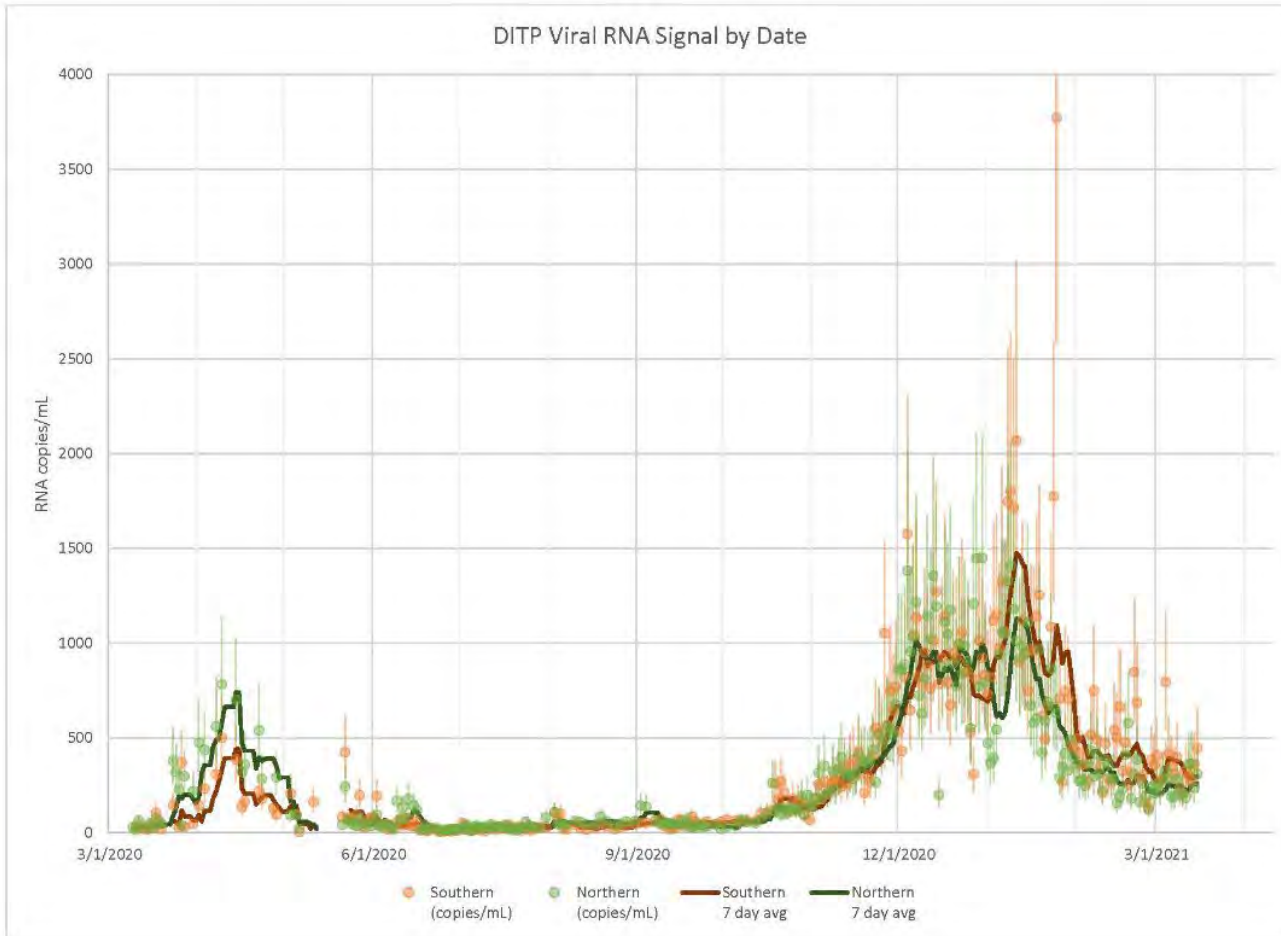


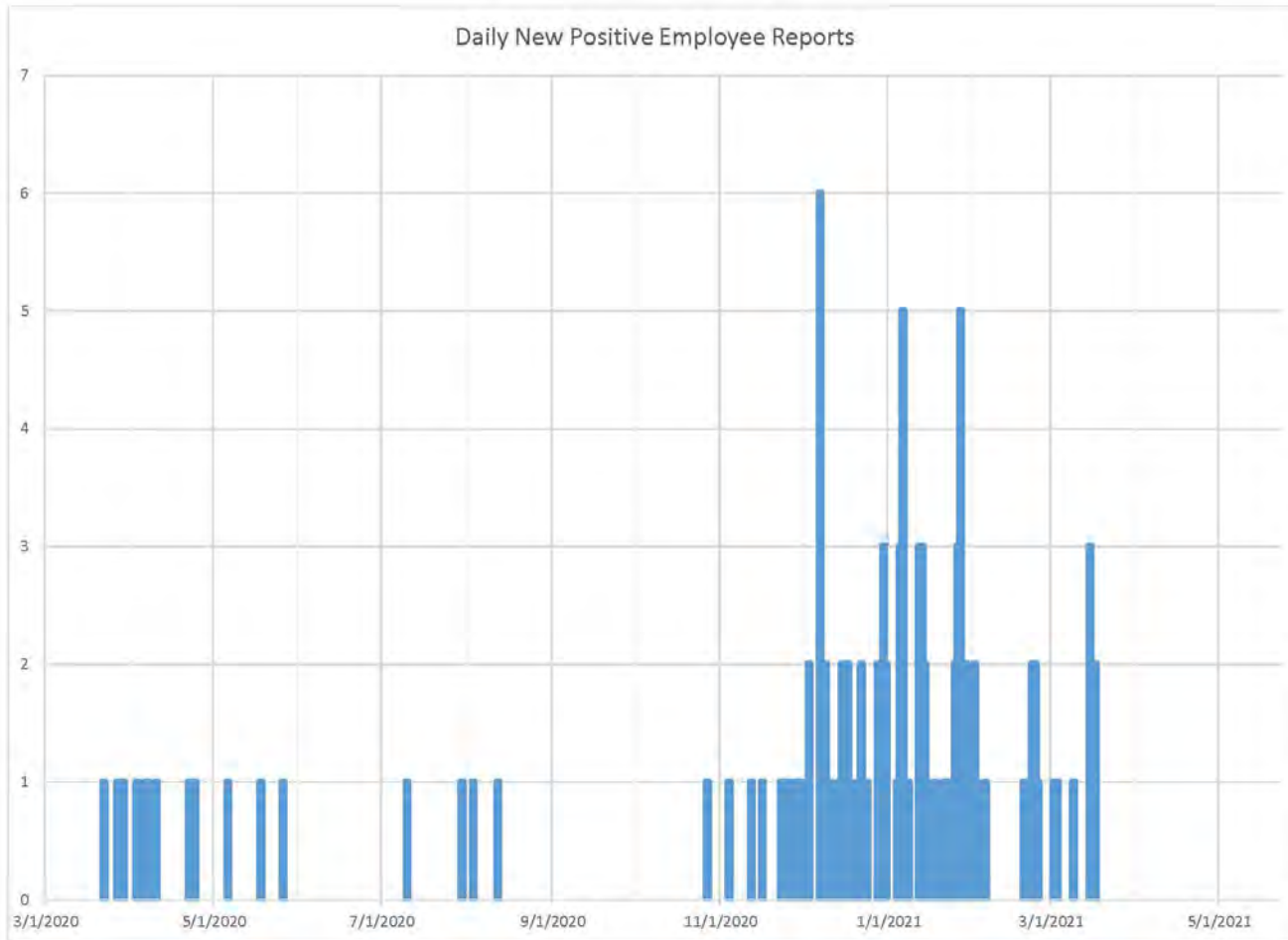


Latest Biobot Data





Staff Positives





*Infiltration/Inflow Local Financial
Assistance Program
Annual Update*

March 17, 2021



MWRA I/I Local Financial Assistance Program Funding Summary

ATTACHMENT 1 MWRA I/I LOCAL FINANCIAL ASSISTANCE PROGRAM FUNDING SUMMARY AS OF DECEMBER 2020

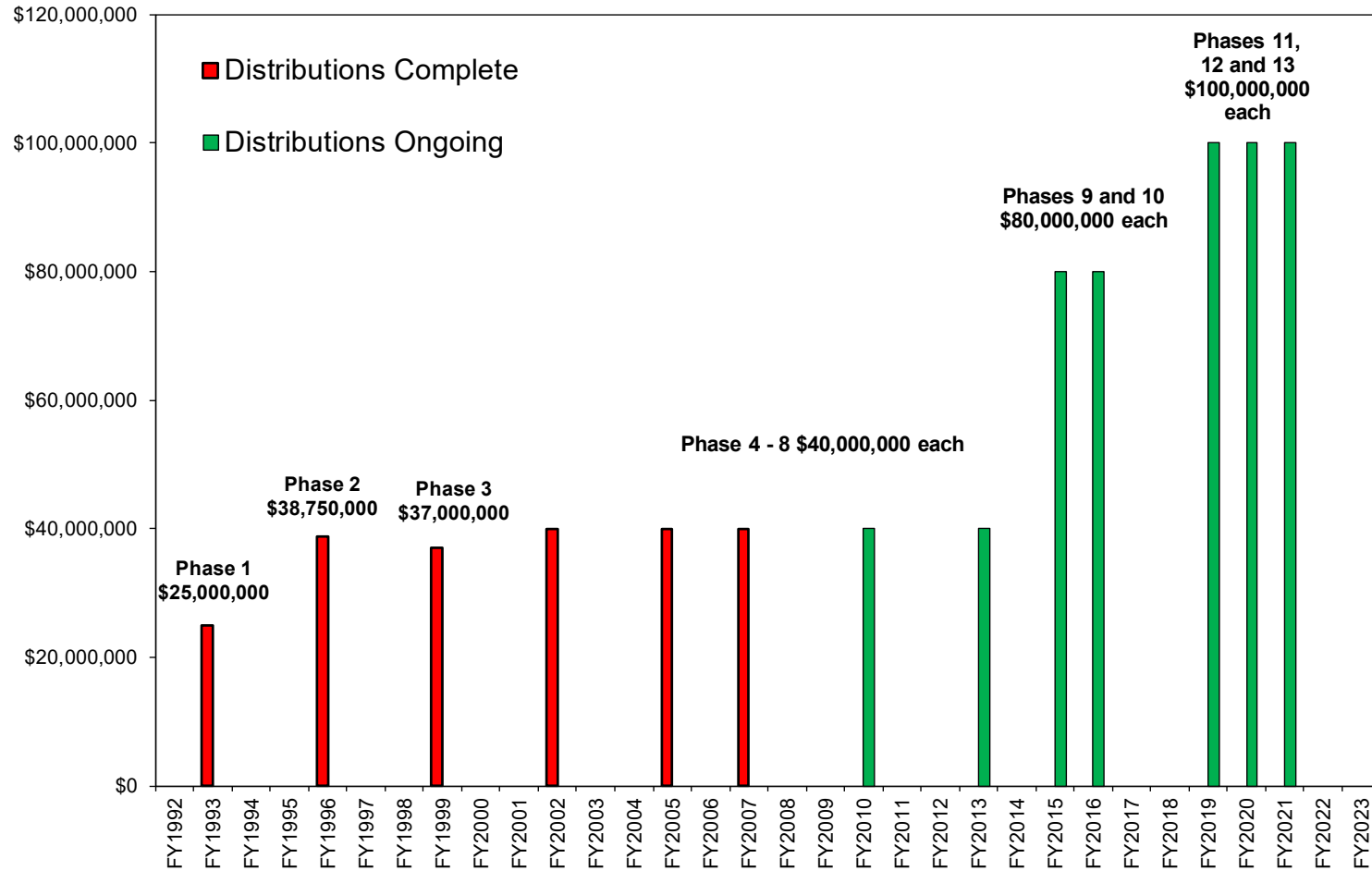
Community	Total Allocations (Phases 1 - 13)	Total Distributions (Phases 1 - 13)	Percent Distributed	Funds Remaining
Arlington	\$13,703,000	\$10,023,000	73%	\$3,680,000
Ashland	\$3,818,500	\$1,742,450	46%	\$2,076,050
Bedford	\$5,654,600	\$2,439,658	43%	\$3,214,942
Belmont	\$8,255,100	\$5,135,100	62%	\$3,120,000
Boston	\$218,001,200	\$97,064,876	45%	\$120,936,324
Braintree	\$14,419,000	\$9,928,840	69%	\$4,490,160
Brookline	\$21,355,200	\$10,666,200	50%	\$10,689,000
Burlington	\$8,432,800	\$7,322,800	87%	\$1,110,000
Cambridge	\$39,250,100	\$28,830,100	73%	\$10,420,000
Canton	\$6,635,900	\$2,675,900	40%	\$3,960,000
Chelsea	\$11,760,100	\$10,130,100	86%	\$1,630,000
Dedham	\$9,220,000	\$6,900,000	75%	\$2,320,000
Everett	\$13,381,500	\$6,650,500	50%	\$6,731,000
Frammingham	\$20,375,000	\$13,671,000	67%	\$6,704,000
Hingham	\$2,802,500	\$2,412,500	86%	\$390,000
Holbrook	\$2,779,600	\$896,562	32%	\$1,883,038
Lexington	\$12,125,300	\$10,565,300	87%	\$1,560,000
Malden	\$20,683,900	\$5,641,900	27%	\$15,042,000
Medford	\$19,637,600	\$7,961,600	41%	\$11,676,000
Melrose	\$10,126,300	\$8,657,300	85%	\$1,469,000
Milton	\$9,014,500	\$7,864,500	87%	\$1,150,000
Natick	\$9,332,600	\$5,582,600	60%	\$3,750,000
Needham	\$9,977,600	\$4,018,600	40%	\$5,959,000
Newton	\$34,937,400	\$34,937,400	100%	\$0
Norwood	\$11,589,400	\$6,879,400	59%	\$4,710,000
Quincy	\$32,780,000	\$26,237,239	80%	\$6,542,761
Randolph	\$10,070,800	\$4,971,058	49%	\$5,099,742
Reading	\$7,749,100	\$5,669,100	73%	\$2,080,000
Revere	\$16,940,900	\$5,502,900	32%	\$11,438,000
Somerville	\$25,955,800	\$12,116,900	47%	\$13,838,900
Stoneham	\$7,829,900	\$5,889,900	75%	\$1,940,000
Stoughton	\$7,902,900	\$6,724,150	85%	\$1,178,750
Wakefield	\$9,806,900	\$8,526,900	87%	\$1,280,000
Walpole	\$6,110,000	\$4,490,000	73%	\$1,620,000
Waltham	\$22,282,400	\$15,226,900	68%	\$7,055,500
Watertown	\$10,155,800	\$6,285,800	62%	\$3,870,000
Wellesley	\$9,249,700	\$4,739,700	51%	\$4,510,000
Westwood	\$4,302,300	\$2,091,300	49%	\$2,211,000
Weymouth	\$19,100,900	\$12,225,900	64%	\$6,875,000
Wilmington	\$4,232,000	\$2,462,000	58%	\$1,770,000
Winchester	\$6,793,000	\$5,923,000	87%	\$870,000
Winthrop	\$5,553,400	\$4,561,150	82%	\$992,250
Woburn	\$16,665,500	\$14,675,500	88%	\$1,990,000
Totals	\$760,750,000	\$456,917,583	60%	\$303,832,417

- \$760.75 million approved (13 Phases)
- \$457 million distributed (FY93 – December 2020)
- \$181 million in loans repaid to MWRA
- All 43 communities participating
- 616 local projects funded
- 545 projects complete, 71 ongoing
- Community allocation based on % share sewer charge



MWRA's Long-Term Commitment to Fund I/I Reduction

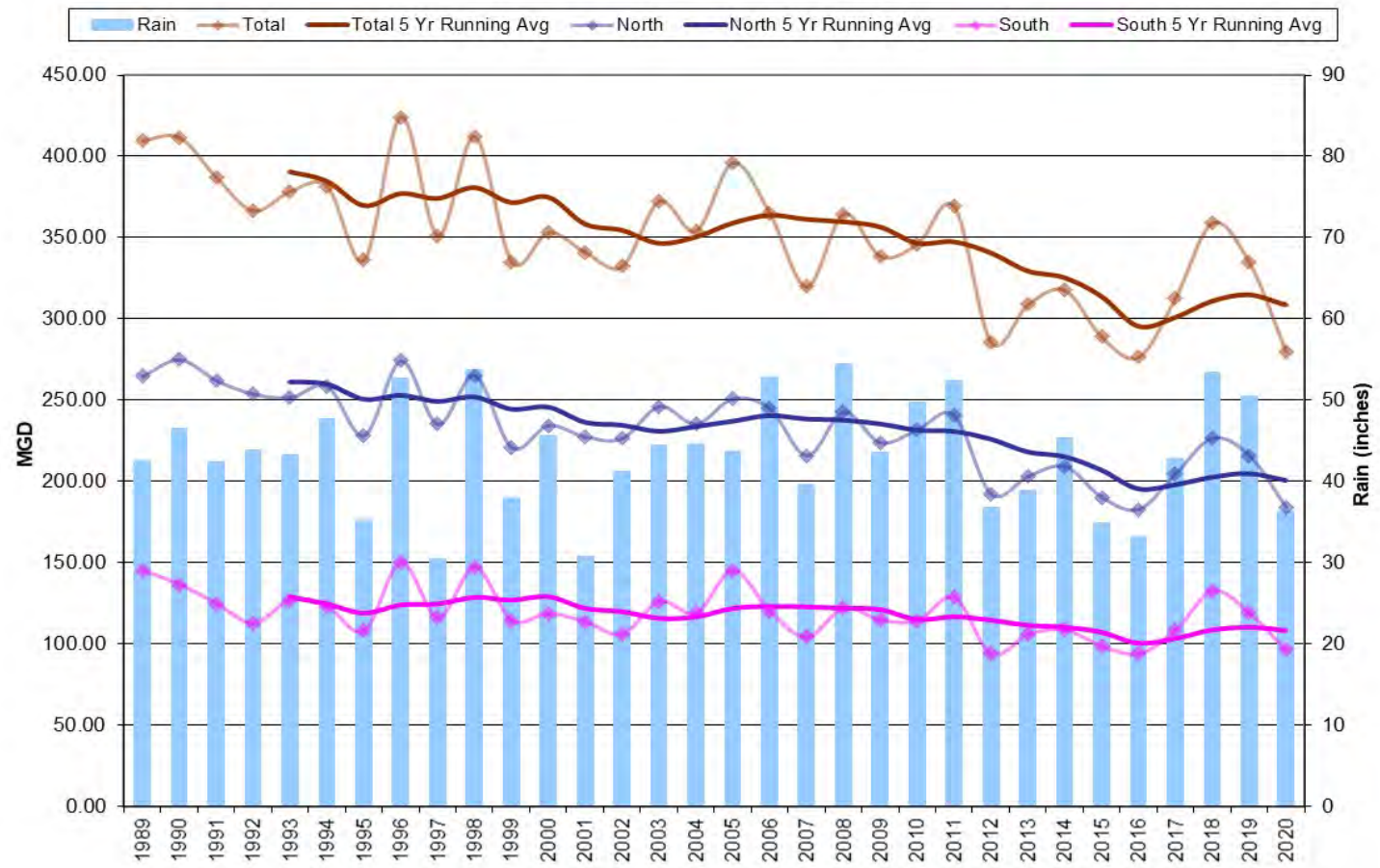
I/I Local Financial Assistance Program
Timing of Phases





MWRA Long-Term Regional Flow Data – Gradual Decrease in Flow

ATTACHMENT 3
MWRA Long-Term Regional Flow Data
NOAA Annual Rainfall at Logan Airport



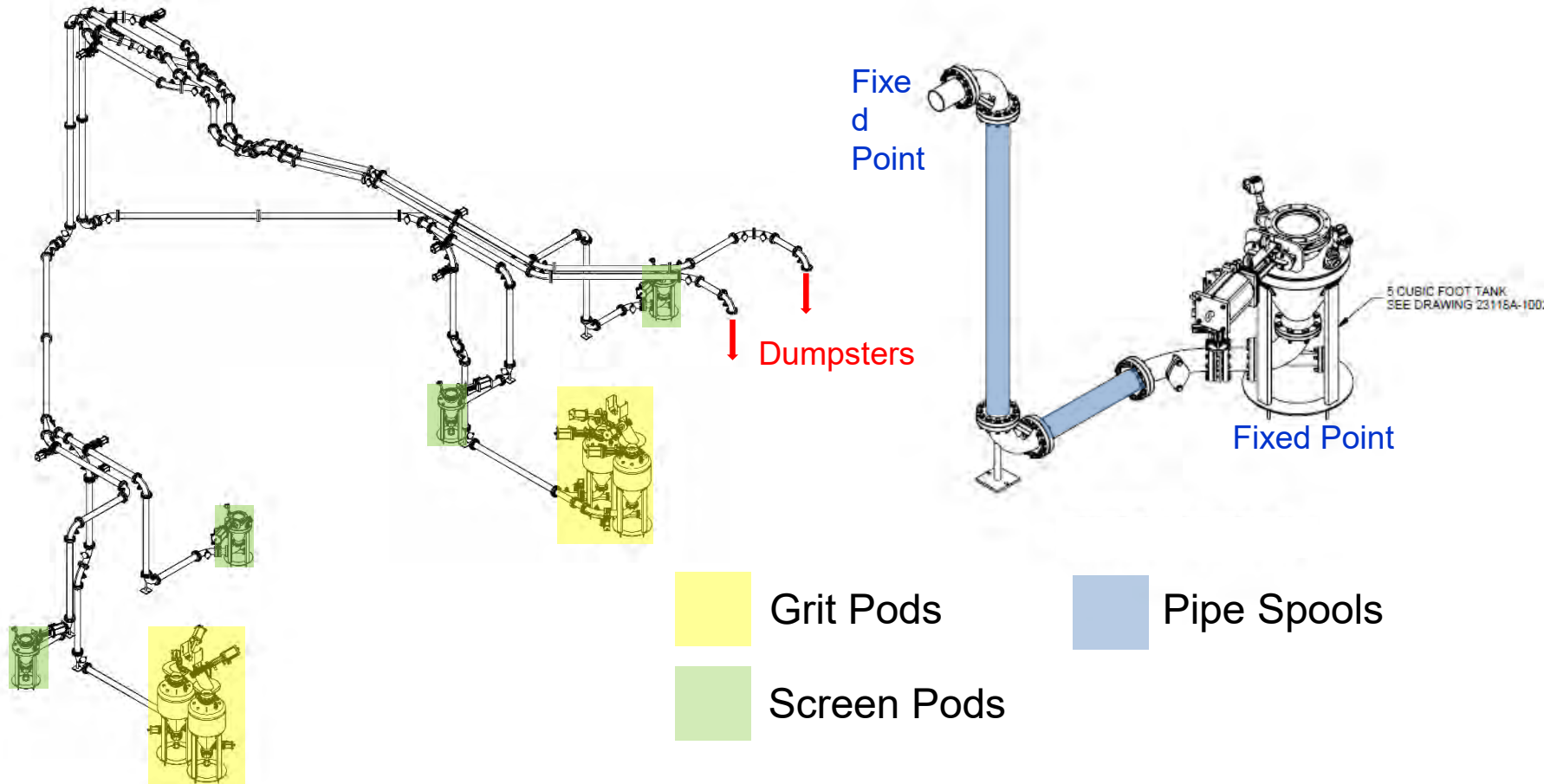


*Chelsea Creek Headworks Upgrade
Contract 7161 - Change Order 45*

March 17, 2021



Chelsea Creek Headworks: Pneumatic Ejection Piping System





Chelsea Creek Headworks: Temporary Pipe Closure Spools



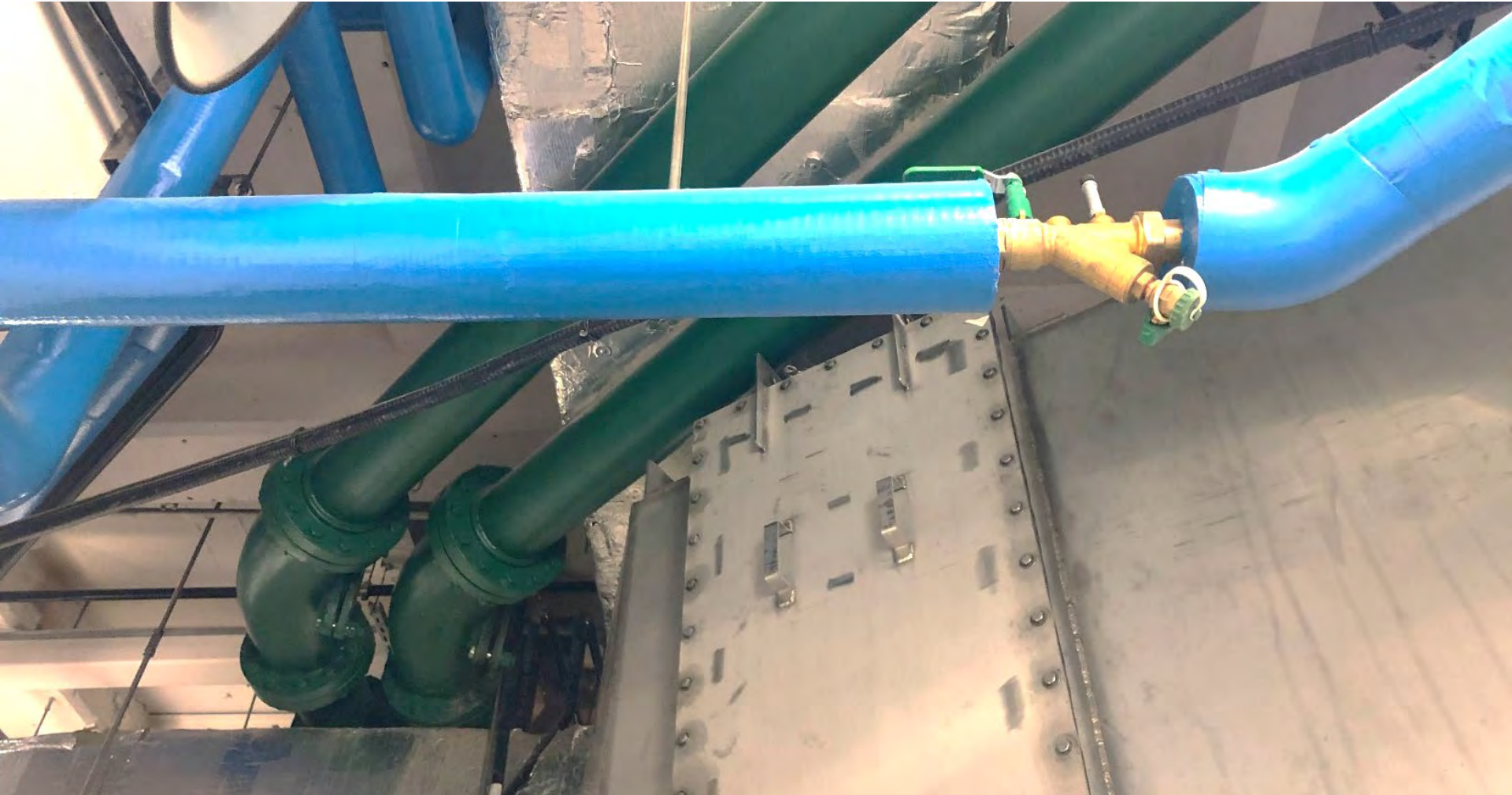


Chelsea Creek Headworks: Temporary Pipe Closure Spools



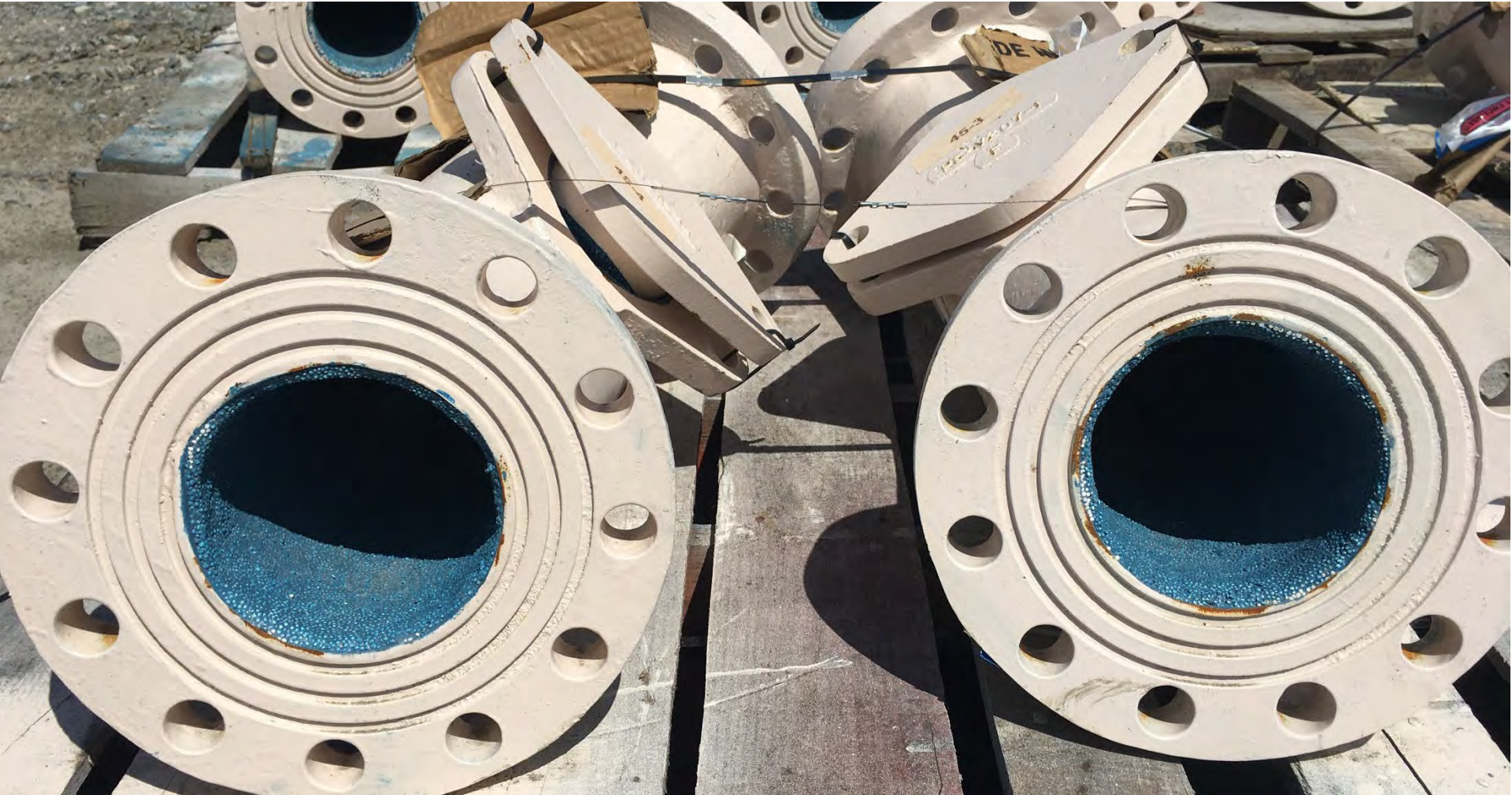


Chelsea Creek Headworks: Re-route Pipe Around Conflicts





Chelsea Creek Headworks: Ceramic Composite Lining





Chelsea Creek Headworks: COVID-19 Safety Stand Down





Chelsea Creek Headworks: Roof Infills for Abandoned Penetrations





Chelsea Creek Headworks: Reliability Testing





Chelsea Creek Headworks: Odor Control System





Chelsea Creek Headworks: Building Exterior & Site Restoration





Chelsea Creek Headworks: Building Exterior & Site Restoration





- Contract Amendment 7
 - \$439,000
 - 6-month time extension
- Presenter:
 - John Colbert

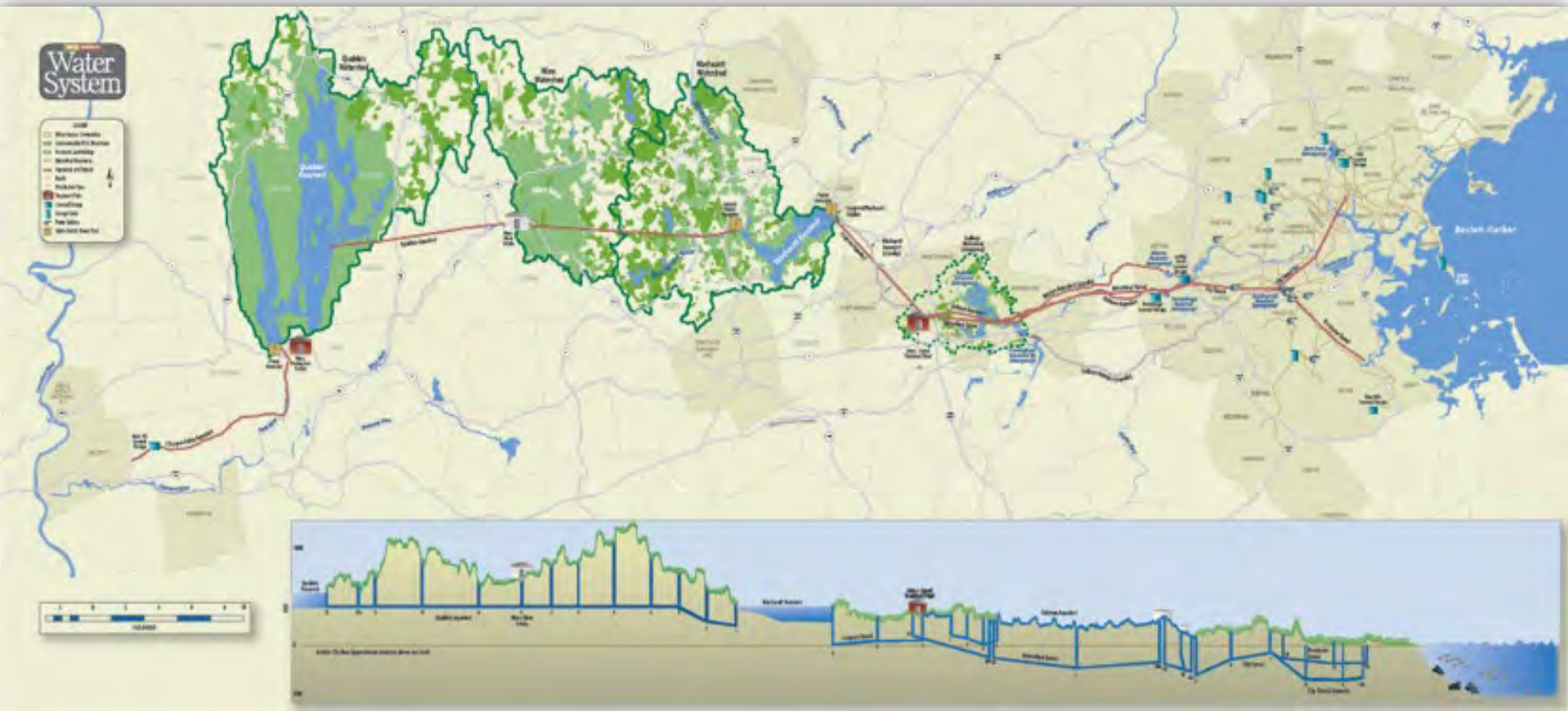


Green Forestry Certification

March 17, 2021



Over 140 Square Miles of Watershed Forest Managed by DCR





Forestry Certification Criteria

FOREST STEWARDSHIP COUNCIL		SUSTAINABLE FORESTRY INITIATIVE
Workers Rights/Conditions		Sustainable Forestry
Indigenous Peoples' Rights		Protection of Water Resources
Community Relations		Protection Of Biological Diversity
Environmental Values & Impacts		Aesthetics and Recreation
Management Planning		Protection of Special Sites
Monitoring & Assessment		Responsible <i>Fiber Sourcing</i> Practices
High Conservation Values		Indigenous Peoples' Rights
Implementation of Mgt Activities		Community Involvement
		Communications & Public Reporting



*Local Water System Assistance Program
Annual Update*

March 17, 2021



MWRA Local Water System Assistance Program Funding Summary

MWRA LOCAL WATER SYSTEM ASSISTANCE PROGRAM ALLOCATION AND FUND UTILIZATION BY COMMUNITY THROUGH DECEMBER 2020

Community	Community Total Allocation Phases 2 and 3	Total Distributions Phases 2 and 3	Percent Distributed	Funds Remaining
Arlington	\$14,912,000	\$5,700,000	38%	\$9,212,000
Ashland*	\$519,400	\$0	0%	\$519,400
Bedford *	\$6,067,000	\$2,418,000	40%	\$3,649,000
Belmont	\$7,329,000	\$5,477,000	75%	\$1,852,000
Boston	\$91,541,000	\$52,648,230	58%	\$38,892,770
Brookline	\$8,011,000	\$660,000	8%	\$7,351,000
Burlington*	\$827,400	\$0	0%	\$827,400
Canton *	\$6,187,000	\$4,600,000	74%	\$1,587,000
Chelsea	\$8,853,000	\$5,325,700	60%	\$3,527,300
Dedham/Westwood *	\$1,352,000	\$503,000	37%	\$849,000
Everett	\$10,970,000	\$7,191,200	66%	\$3,778,800
Frammingham	\$16,360,000	\$10,057,900	61%	\$6,302,100
Lexington	\$6,801,000	\$1,145,015	17%	\$5,655,985
Lynnfield Water Dist.	\$3,074,000	\$1,146,800	37%	\$1,927,200
Malden	\$17,877,000	\$6,734,800	38%	\$11,142,200
Marblehead	\$9,349,000	\$2,200,000	24%	\$7,149,000
Marlborough *	\$5,429,000	\$1,283,800	24%	\$4,145,200
Medford	\$17,759,000	\$2,075,000	12%	\$15,684,000
Melrose	\$10,853,000	\$6,734,000	62%	\$4,119,000
Milton	\$10,090,000	\$4,764,000	47%	\$5,326,000
Nahant	\$3,325,000	\$1,460,100	44%	\$1,864,900
Needham *	\$2,688,000	\$1,131,265	42%	\$1,556,735
Newton	\$34,439,000	\$12,241,800	36%	\$22,197,200
Northborough *	\$2,498,000	\$986,053	39%	\$1,511,947
Norwood	\$10,691,000	\$6,913,400	65%	\$3,777,600
Peabody *	\$3,845,000	\$3,845,000	100%	\$0
Quincy	\$24,757,000	\$19,056,200	77%	\$5,700,800
Reading	\$9,219,000	\$4,146,000	45%	\$5,073,000
Revere	\$10,349,000	\$6,050,000	58%	\$4,299,000
Saugus	\$16,309,000	\$7,109,994	44%	\$9,199,006
Somerville	\$18,210,000	\$5,898,234	32%	\$12,311,766
Southborough	\$3,432,000	\$0	0%	\$3,432,000
Stonham	\$5,081,000	\$4,139,000	81%	\$942,000
Stoughton*	\$6,053,000	\$2,506,000	41%	\$3,547,000
Swampscott	\$9,031,000	\$5,049,468	56%	\$3,981,532
Wakefield *	\$5,681,000	\$3,325,000	59%	\$2,356,000
Waltham	\$25,197,000	\$5,520,201	22%	\$19,676,799
Watertown	\$6,723,000	\$3,978,000	59%	\$2,745,000
Wellesley *	\$5,618,000	\$241,569	4%	\$5,376,431
Weston	\$3,920,000	\$2,313,997	59%	\$1,606,003
Wilmington *	\$1,917,000	\$611,000	32%	\$1,306,000
Winchester *	\$2,276,000	\$775,000	34%	\$1,501,000
Winthrop	\$7,431,000	\$7,431,000	100%	\$0
Woburn *	\$6,496,000	\$2,591,000	40%	\$3,905,000
SUBTOTAL	\$479,346,800	\$227,983,726	48%	\$251,363,074

- \$725 million approved (3 Phases)
- \$456 million distributed (FY01 – December 2020)
- \$308 million loans repaid to MWRA
- 43 communities participating
- 478 local projects funded
- 416 projects complete, 62 ongoing
- Community allocation based on % share water charge and % share unlined pipe

Chicopee	\$16,927,000	\$5,183,400	31%	\$11,743,600
South Hadley F.D. 1	\$3,564,000	\$2,038,000	57%	\$1,526,000
Wilbraham	\$3,509,000	\$0	0%	\$3,509,000
SUBTOTAL	\$24,000,000	\$7,221,400	30%	\$16,778,600

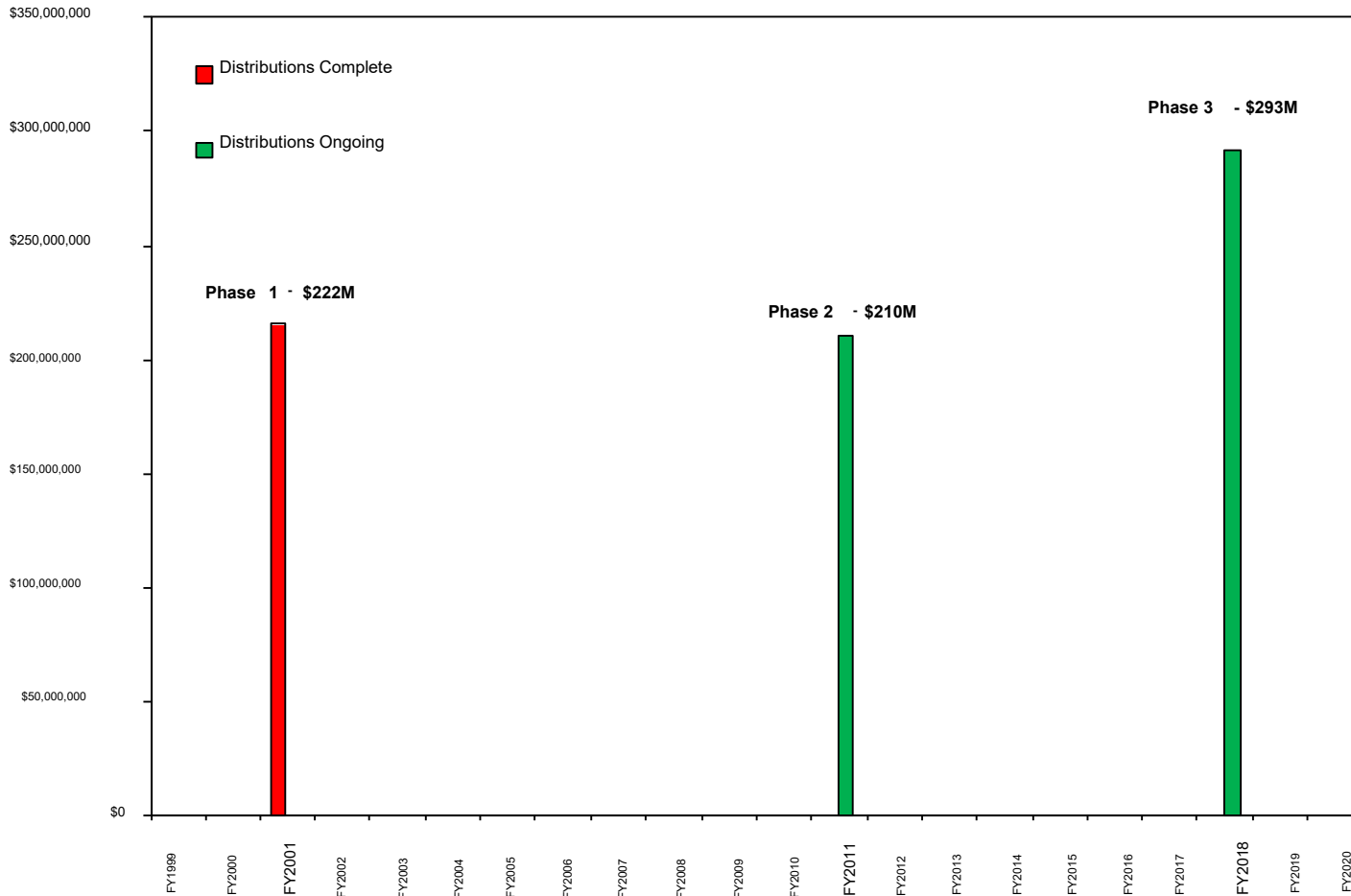
TOTAL	\$503,346,800	\$235,205,126	47%	\$268,141,674
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* Partially Served Communities



MWRA's Long-Term Commitment to Fund Local Water System Rehabilitation

Local Water System Assistance Program
Timing of Phases





MWRA Funding for Local Water Projects



Water Main Replacement
Construction

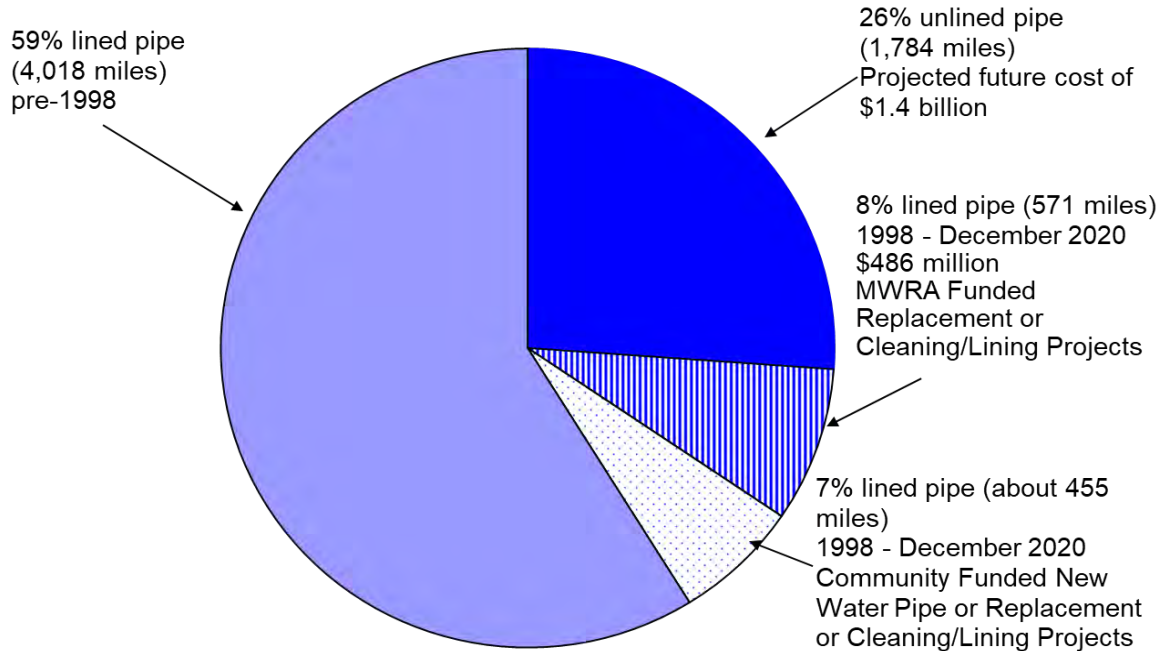


Water Storage Tank
Rehabilitation



Funding for Local Water Projects and Future Needs

**Regional Water System Lined and Unlined Pipe
6,828 Miles of Community Water Mains
Updated through December 2020**



Remaining Unlined Pipe Represents a \$1.4 Billion Future Cost



Lead Service Line Replacement Loan Program

- \$100 million in 10-Year Interest-Free Loans
- Fully Replace Lead Service Lines
- Distributed \$17.6 million to 11 Communities:
 - Newton \$4.0 million
 - Marlborough \$3.0 million
 - Everett \$2.5 million
 - Winchester \$2.2 million
 - Winthrop \$1.5 million
 - Quincy \$1.5 million
 - Needham \$1.0 million
 - Somerville \$900,000
 - Chelsea \$700,000
 - Revere \$195,000
 - Weston \$160,000





***Quabbin Maintenance Building Design,
Construction Administration, and Resident
Engineering Services***

March 17, 2021



Quabbin Maintenance Building





Quabbin Maintenance Building



Existing Facility



Rendering of Proposed Facility



Quabbin Maintenance Building - Designer Selection Board Process

- Qualification Based Procurement
- Overseen by the Massachusetts Designer Selection Board (DSB)
- MWRA Prepared Scope of Services
- Proposers Submit to DSB
 - Seven Proposers
 - DSB Ranks Proposers
 - Robinson Green Beretta Corporation ranked first
- MWRA Negotiated Scope and Cost



*Commonwealth Avenue Pumping Station
Contract 7524*

March 17, 2021



Wiring the New Control Cabinet in the West Pump Station





Before and After Painting the West Pump Station Discharge Piping





West Pump Station Dehumidification Unit





Piping Work



Installing Wasm1 Spool, Couplings, and Restraints



Preparing Pipe Bedding Near Valve Vault D



Pumps in East Building





- For approval
- Presenter:
 - Andrea Murphy, Director of Human Resources



Appointment of Manager, Operations Administration

- For approval
- Presenter:
 - Andrea Murphy, Director of Human Resources



Appointment of Director, Security

- For approval
- Presenter:
 - Andrea Murphy, Director of Human Resources



Appointment of Deputy Director, MIS

- For approval
- Presenter:
 - Andrea Murphy, Director of Human Resources



Appointment of Associate General Counsel, Labor and Employment

- For approval
- Presenter:
 - Andrea Murphy, Director of Human Resources



Delegated Authority Report - February 2021

- For information only
- Presenters:
 - Michele Gillen, Director of Administration
 - Douglas Rice, Director of Procurement



FY21 Financial Update and Summary - February 2021

- For information only
- Presenters:
 - Thomas Durkin, Director of Finance
 - Matthew Horan, Deputy Director of Finance/Treasurer
 - Michael Cole, Budget Director



Appointment of Proxy for Fore River Railroad

- For information only
- Presenters:
 - Matthew Horan, Deputy Director, Finance/Treasurer



Harbor Outfall Monitoring and Loading System Upgrade: Guild Systems, Inc., Contract 7653

- Contract Award
- Presenters:
 - Paula Weadick, Director of MIS