



Infiltration/Inflow Local Financial Assistance Program
Advisory Board Update

January 5, 2024



MWRA I/I Local Financial Assistance Program

MWRA's Infiltration/Inflow (I/I) Local Financial Assistance Program was initiated in May 1993 to provide funding to member sewer communities to perform I/I reduction and sewer system rehabilitation projects within their locally-owned collection systems. The Program's goal is to assist member communities in improving sewer system conditions to reduce I/I and ensure ongoing repair and replacement and efficient operation and maintenance of local collection systems.

The I/I Local Financial Assistance Program is a critical component of MWRA's Regional I/I Reduction Plan. Specifically, local sewer system rehabilitation projects are intended to offset ongoing **local** collection system deterioration to prevent a net increase in regional I/I. In the long-term, ongoing system rehabilitation should result in lower I/I.



Infiltration/Inflow (I/I)



Infiltration
(Groundwater via physical defects)

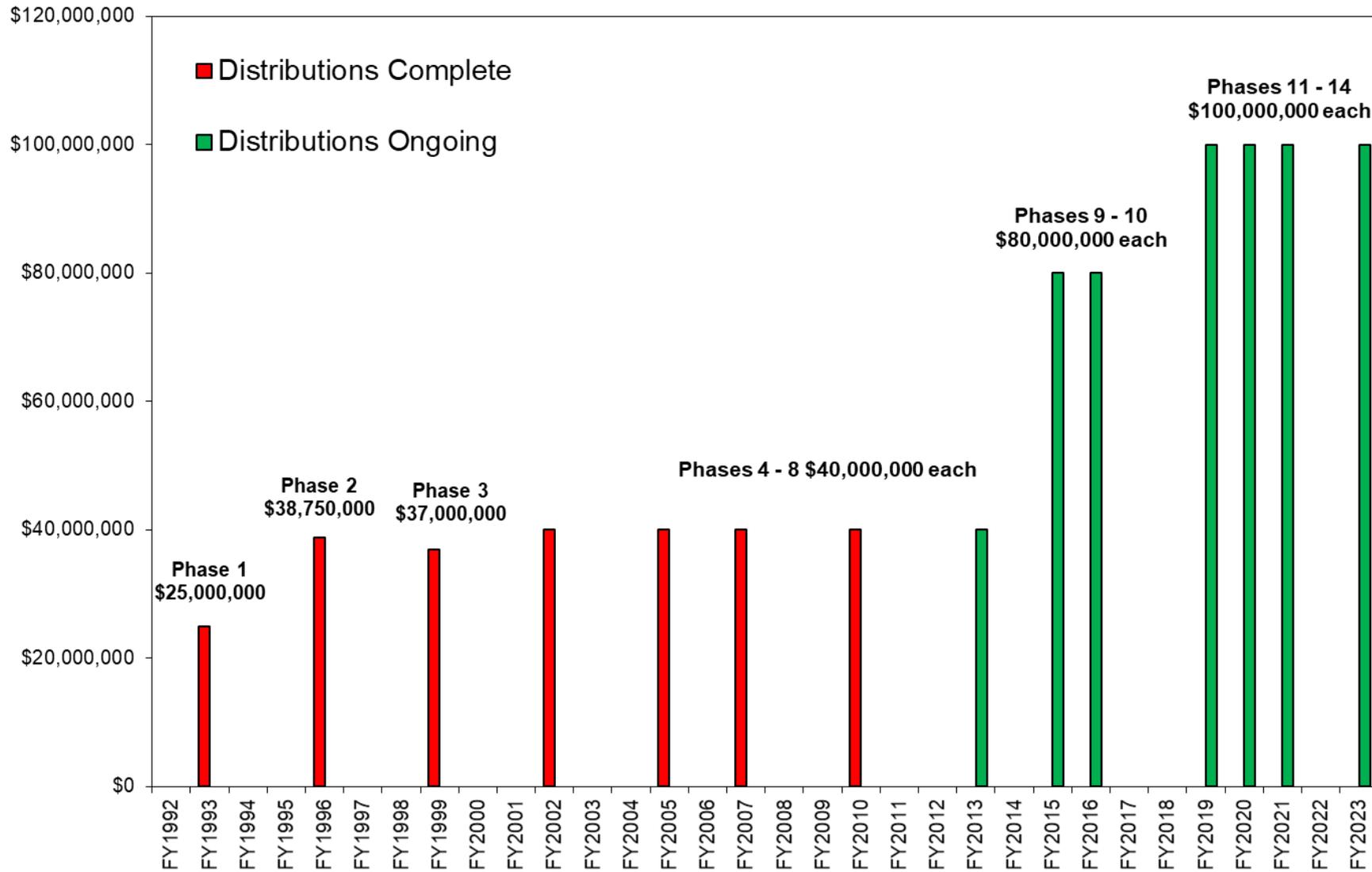
Inflow
(Stormwater via direct connections)

Goal: Rehabilitation of local sewer systems and long-term reduction of I/I.



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

I/I Local Financial Assistance Program
Timing of Phases





MWRA I/I Local Financial Assistance Program Funding Summary

MWRA I/I LOCAL FINANCIAL ASSISTANCE PROGRAM COMMUNITY FUNDING SUMMARY THROUGH DECEMBER 2023

Community	Total Allocations (Phases 1 - 14)	Total Distributions (Phases 1 - 14)	Percent Distributed	Funds Remaining
Arlington	\$15,473,000	\$12,215,900	79%	\$3,257,100
Ashland	\$4,348,500	\$2,020,060	46%	\$2,328,440
Bedford	\$6,354,600	\$3,109,158	49%	\$3,245,442
Belmont	\$9,325,100	\$5,135,100	55%	\$4,190,000
Boston	\$246,921,200	\$122,868,059	50%	\$124,053,141
Braintree	\$16,449,000	\$12,040,400	73%	\$4,408,600
Brookline	\$24,005,200	\$19,666,200	82%	\$4,339,000
Burlington	\$9,632,800	\$8,522,800	88%	\$1,110,000
Cambridge	\$44,640,100	\$28,830,100	65%	\$15,810,000
Canton	\$7,565,900	\$3,126,850	41%	\$4,439,050
Chelsea	\$13,510,100	\$11,760,100	87%	\$1,750,000
Dedham	\$10,400,000	\$9,240,000	89%	\$1,160,000
Everett	\$15,251,500	\$11,611,500	76%	\$3,640,000
Framingham	\$23,045,000	\$13,671,000	59%	\$9,374,000
Hingham	\$3,202,500	\$2,593,670	81%	\$608,830
Holbrook	\$3,149,600	\$1,349,600	43%	\$1,800,000
Lexington	\$13,715,300	\$12,155,300	89%	\$1,560,000
Malden	\$23,373,900	\$6,725,900	29%	\$16,648,000
Medford	\$22,077,600	\$7,961,600	36%	\$14,116,000
Melrose	\$11,456,300	\$10,106,300	88%	\$1,350,000
Milton	\$10,164,500	\$10,164,500	100%	\$0
Natick	\$10,522,600	\$6,832,600	65%	\$3,690,000
Needham	\$11,267,600	\$4,018,600	36%	\$7,249,000
Newton	\$39,277,400	\$39,277,400	100%	\$0
Norwood	\$13,239,400	\$6,879,400	52%	\$6,360,000
Quincy	\$36,950,000	\$32,325,000	87%	\$4,625,000
Randolph	\$11,400,800	\$4,971,058	44%	\$6,429,742
Reading	\$8,789,100	\$6,709,100	76%	\$2,080,000
Revere	\$19,090,900	\$6,302,900	33%	\$12,788,000
Somerville	\$29,265,800	\$18,995,800	65%	\$10,270,000
Stoneham	\$8,919,900	\$7,829,900	88%	\$1,090,000
Stoughton	\$8,962,900	\$7,902,900	88%	\$1,060,000
Wakefield	\$11,116,900	\$9,836,900	88%	\$1,280,000
Walpole	\$6,940,000	\$4,806,050	69%	\$2,133,950
Waltham	\$25,062,400	\$19,214,560	77%	\$5,847,840
Watertown	\$11,475,800	\$8,865,800	77%	\$2,610,000
Wellesley	\$10,429,700	\$4,739,700	45%	\$5,690,000
Westwood	\$4,932,300	\$3,091,300	63%	\$1,841,000
Weymouth	\$21,750,900	\$13,949,584	64%	\$7,801,316
Wilmington	\$4,822,000	\$2,462,000	51%	\$2,360,000
Winchester	\$7,673,000	\$5,923,000	77%	\$1,750,000
Winthrop	\$6,293,400	\$5,083,400	81%	\$1,210,000
Woburn	\$18,505,500	\$16,515,500	89%	\$1,990,000
Totals	\$860,750,000	\$551,406,549	64%	\$309,343,451

- \$860.75M approved (14 Phases)
- Community allocation based on percent share sewer charge
- \$551M distributed (FY93 - December 2023)
- All 43 communities participating
- 676 local projects funded
- \$32M distributed to 20 communities in CY23

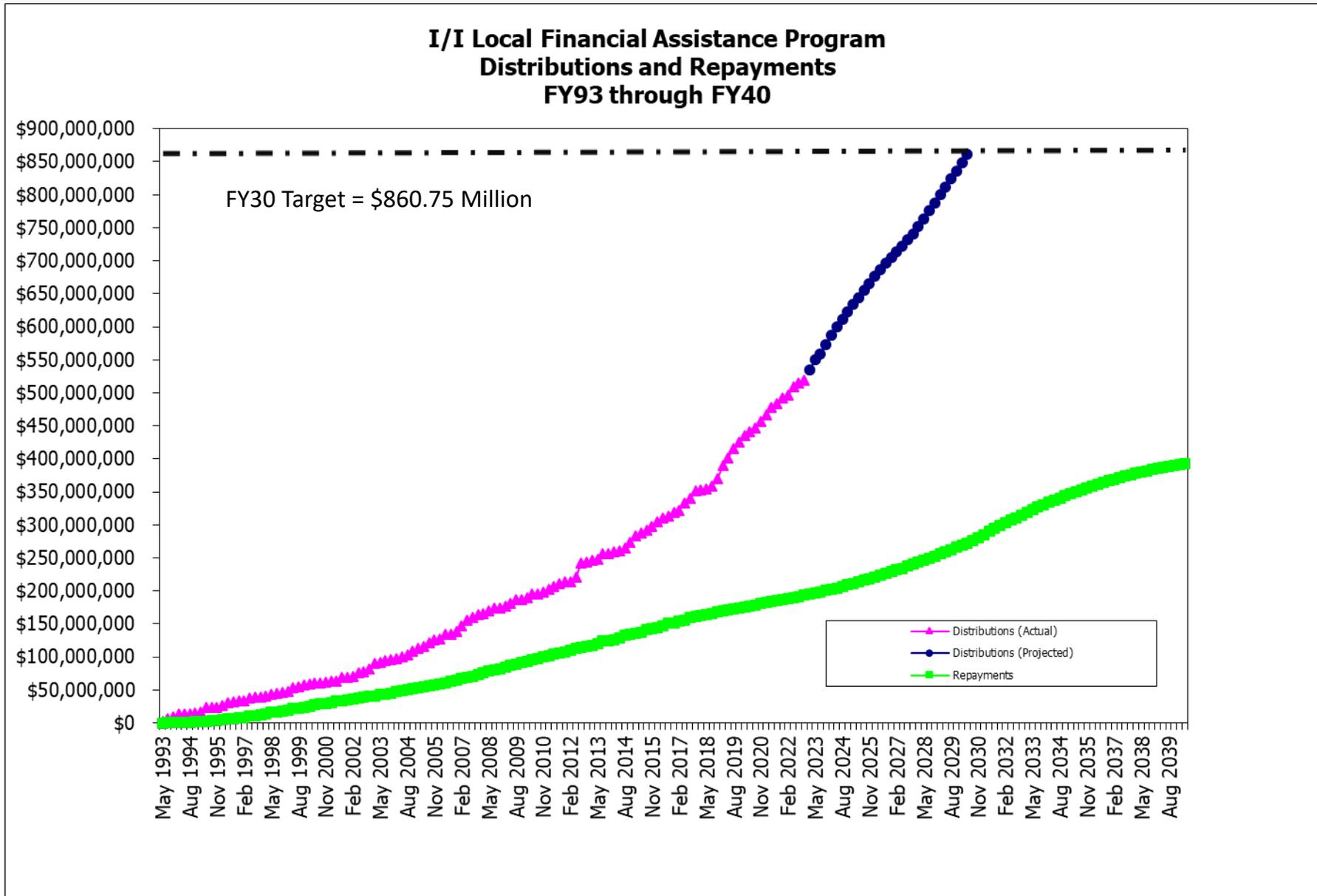


MWRA I/I Local Financial Assistance Program Funding Summary

- As of December 2023, two (2) communities (Milton / Newton) have applied for and been granted their entire Program funding allocations.
- A total of six (6) communities (Chelsea / Milton / Newton / Quincy / Stoneham / Winthrop) have applied for and received all or a portion of their Phase 13 Loan funding allocation.
- Four (4) communities (Chelsea / Milton / Newton / Stoneham) will have been issued their entire Phase 13 Loan only allocation.
- Nine (9) sewer member communities will have applied for and received their entire Phase 14 funding allocation.
- Twenty communities will have received their entire Phase 12 75% Grant / 25% Loan allocation.



I/I Funding - Distributions and Repayments





I/I Funding Results of Local Projects

CCTV Inspection of Sewers: 2,530 Miles





TV Inspection Location of Infiltration into Sewer Pipelines





I/I Funding for Rehabilitation of Local Sewers

357 Miles of Sewer Cured-In-Place Pipe (CIPP) Liner Installed and 3,388 Sewer Spot Repairs Performed.





I/I Funding for Rehabilitation of Local Sewers

24,755 Manholes Rehabilitated / Sealed





I/I Funding for Rehabilitation of Local Sewers

1,489 Miles of Sewer Main Smoke Tested

1,208 Catch Basins Disconnected from Sewer System





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

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

