



SESD

Wastewater Treatment
For a Cleaner Environment

Celebrating
Our 100th
Anniversary

South Essex Sewerage District
Auditing Services for FY 2026, FY 2027 and FY 2028

Request for Information

January 15, 2026

The South Essex Sewerage District (SESD) is seeking information from CPA firms qualified to perform municipal audits to audit the financial records of SESD for fiscal years ending June 30, 2026, 2027 and 2028. We invite your firm to submit information as outlined below to us by February 6, 2026 for consideration.

SESD is a public sewerage district located in northeastern Massachusetts with offices in Salem. SESD operates and maintains secondary wastewater treatment facilities which serves approximately 190,000 people and businesses in the geographical area that includes Beverly, Danvers, Marblehead, Peabody and Salem.

SESD's FY2026 general fund budget was approved at approximately \$27M, which is assessed to its member communities.

Services to Be Performed

Information provided should address the following proposed auditing services:

1. Prepare annual audit of SESD financial records including preparation of all financial statements required by the Governmental Accounting Standards Board and Commonwealth of Massachusetts. This annual financial audit shall cover the fiscal years ending June 30, 2026, June 30, 2027, and June 30, 2028.
2. Prepare notes to the financial statements and required supplemental information and schedules including required schedules for the Salem Contributory Retirement Board.
3. Prepare Management's Discussion and Analysis.
4. Prepare SESD's schedule of expenditures of federal awards (if applicable).
5. Issue Management Letter identifying weaknesses in internal controls and providing recommendations for improvement.
6. Provide OPEB reporting guidance.

South Essex Sewerage District
50 Fort Avenue, P.O. Box 989
Salem, MA 01970
(978)744-4550 | SESD.com

7. Presentation of audit findings, recommendations, and financial statements to the SESD Board.
8. Provide bound hard copies of completed financial report after approval of report by SESD Board. A PDF copy of the report shall also be provided.

Required Information

In response to this request, please provide the following information:

1. Detail your firm's experience (including number of years) in providing auditing services to municipalities and/or other similar governmental entities.
2. Describe your firm's experience with various accounting software packages. SESD currently uses SoftRight for its financial software.
3. Describe how your firm will approach the audit of SESD, including a proposed audit timeline and any areas that will have emphasis given SESD's uniqueness to other public entities. Also discuss the firm's use of technology for the audit and anticipated staffing levels. And finally, discuss the typical communication process used by the firm for gathering data from management.
4. Describe why our selection of your firm as our independent auditors is the best decision we could make.
5. Include a copy of your firm's most recent peer review report, the related letter of comments, and the firm's response to the letter of comments.
6. Identify the partner, manager, and in-charge accountant who will be assigned to our audit if you are successful in your proposal and provide biographies, proof of licensure, and professional disciplinary history, if any.
7. Provide three names and contact information for other, similarly sized municipal clients of the partner and manager that will be assigned to our organization for reference purposes.
8. Provide your total fee proposal per year for the FY2026, FY2027 and FY2028 engagement. Progress payments may be billed monthly for actual services rendered to date. SESD will not pay more than 2/3 of the annual contract value until the final report is delivered and the final presentation and approval have been made to the SESD Board.
9. Provide your standard form engagement letter.

Rule of Award/Timing

South Essex Sewerage Board will select the responsive and responsible auditing firm (CPA's) submitting the most advantageous proposal, taking into consideration the responses to the above requirements including price. The selected auditing firm will enter into a professional services agreement with SESD. The agreement will have a one year term with two, one year options at SESD's sole discretion. SESD's standard form professional services agreement is available upon request.

Qualified firms are encouraged to submit formal responses to:

South Essex Sewerage District
Attn: David Michelsen, Executive Director
PO Box 989
50 Fort Avenue
Salem, MA 01970

Email submissions may also be made to:

Contracts@sesd.com

Please submit your response to this request for information by February 6, 2026. Proposals will be opened and evaluated at this time.

SESD reserves the right to reject any and all responses if deemed in the best interest of SESD.

For questions or additional information please contact:

Karen Herrick, Treasurer

kherrick@sesd.com

978-744-4550 x126

Attachments:

FY 2026 Budget

2024 Annual Report

Fiscal Year 2026 Budget

March 26, 2025

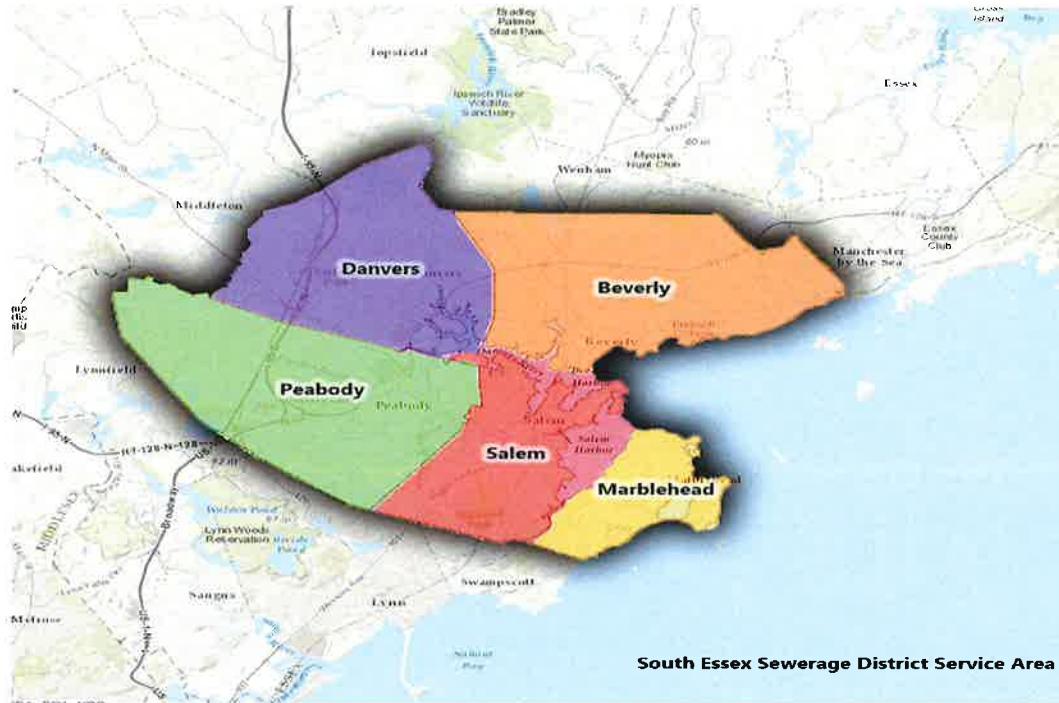
Celebrating
Our 100th
Anniversary



SESD

Wastewater Treatment
For a Cleaner Environment

Providing Wastewater Management and Treatment Services Since 1925



The South Essex Sewerage District (SESD) was established in 1925 to build, maintain and operate a sewerage system to collect, convey, treat and dispose of residential, commercial and industrial wastewater. SESD currently serves approximately 190,000 people and businesses located in the geographical area that includes Beverly, Danvers, Marblehead, Peabody, Salem, a portion of the Town of Middleton, and a portion of the Town of Wenham. SESD does not bill individual users directly. SESD assesses its costs annually to the entities that are located within our service area based on their use of the SESD facilities.

MISSION: TO PROTECT PUBLIC HEALTH AND THE QUALITY OF LOCAL WATERWAYS BY ENSURING WASTEWATER IS PROPERLY COLLECTED, CLEANED, AND RETURNED TO THE ENVIRONMENT.

VISION: TO KEEP OUR HOMES, BUSINESSES AND WATERWAYS CLEAN THROUGH EFFECTIVE WASTEWATER MANAGEMENT AND TO PROMOTE A HEALTHY ENVIRONMENT AND ECONOMY.

SESD operates and maintains secondary wastewater treatment facilities designed to treat 29.71 million gallons per day (MGD). SESD also operates and maintains a wastewater collection and conveyance system including 29 miles of interceptor and force main pipelines along with 6 pumping stations and associated metering and sampling facilities. SESD currently serves twenty-one (21) significant industrial users (SIU's) that contributed approximately 0.41 MGD to the SESD facilities in 2024.

BOARD MEMBERS

Michael R. Parsons, PE, Chairman

Deborah L. Duhamel, PE, City Engineer, City of Salem

Robert J. Langley, PE, Director of Engineering, City of Peabody

Michael P. Collins, PE, Director of Engineering, City of Beverly

Stephen M. King, Jr., PE, Representative, Town of Danvers

Amy S. McHugh, Representative, Town of Marblehead



SESD

Wastewater Treatment
For a Cleaner Environment

FISCAL YEAR 2026 BUDGET MESSAGE

Fiscal Year 2026 represents the 100th year of service to communities and other entities within the South Essex Sewerage District (SESD). With the financial support of these entities, SESD continues to provide safe and reliable wastewater collection, conveyance, treatment and disposal.

The South Essex Sewerage Board and Staff report noteworthy achievements in the following areas:

- SESD continues to be in compliance with the U. S. Environmental Protection Agency standards for secondary wastewater treatment.
- SESD has been actively pursuing a program for Capital Asset Sustainability and Replacement to preserve the public's investment in the capital assets of the District. In Fiscal Year 2012, SESD began to include significant capital project funding within its annual Budget in order to accomplish its asset sustainability goals.
- By the end of Fiscal Year 2025, SESD will have completed both a comprehensive treatment plant assessment and a collection system assessment and compiled these documents into a comprehensive District-wide Capital Improvement Plan called the Centennial Plan to provide a roadmap for the next twenty years of upgrades and capital projects to sustain SESD's assets and meet the challenges of new regulations and new economic conditions.
- Capital sustainability funding is ongoing in the Fiscal Year 2026 Budget. It includes funds set aside to begin implementation work of the Centennial Plan.
- SESD continues to develop, upgrade and invest in computer hardware, software and electronic filing documentation systems in order to increase operating efficiencies and effectively sustain its assets and operations. During Fiscal Year 2025, SESD invested in its IT systems including new networking switches, SCADA network separation for cyber-security, and a new internet-based phone system.
- The Moody's Investors Service bond rating for the SESD's general obligation debt continues to be Aa2.
- The Fiscal Year 2026 total budget assessment is \$26,672,990. This is an increase of \$599,557 (2.30%) as compared to the Fiscal Year 2025 assessed budget amount of \$26,073,433. The Fiscal Year 2026 total budget is \$27,022,990. This is an increase of \$674,557 (2.56%) as compared to the Fiscal Year 2025 total budget amount of 26,348,433.



FISCAL YEAR 2026 FISCAL RESPONSIBILITY

The South Essex Sewerage Board and Staff are committed to providing services to ratepayers in a fiscally responsible manner. SESD management is continually undertaking efforts to examine the cost of operations and to look for areas where cost savings and other efficiencies can be achieved.

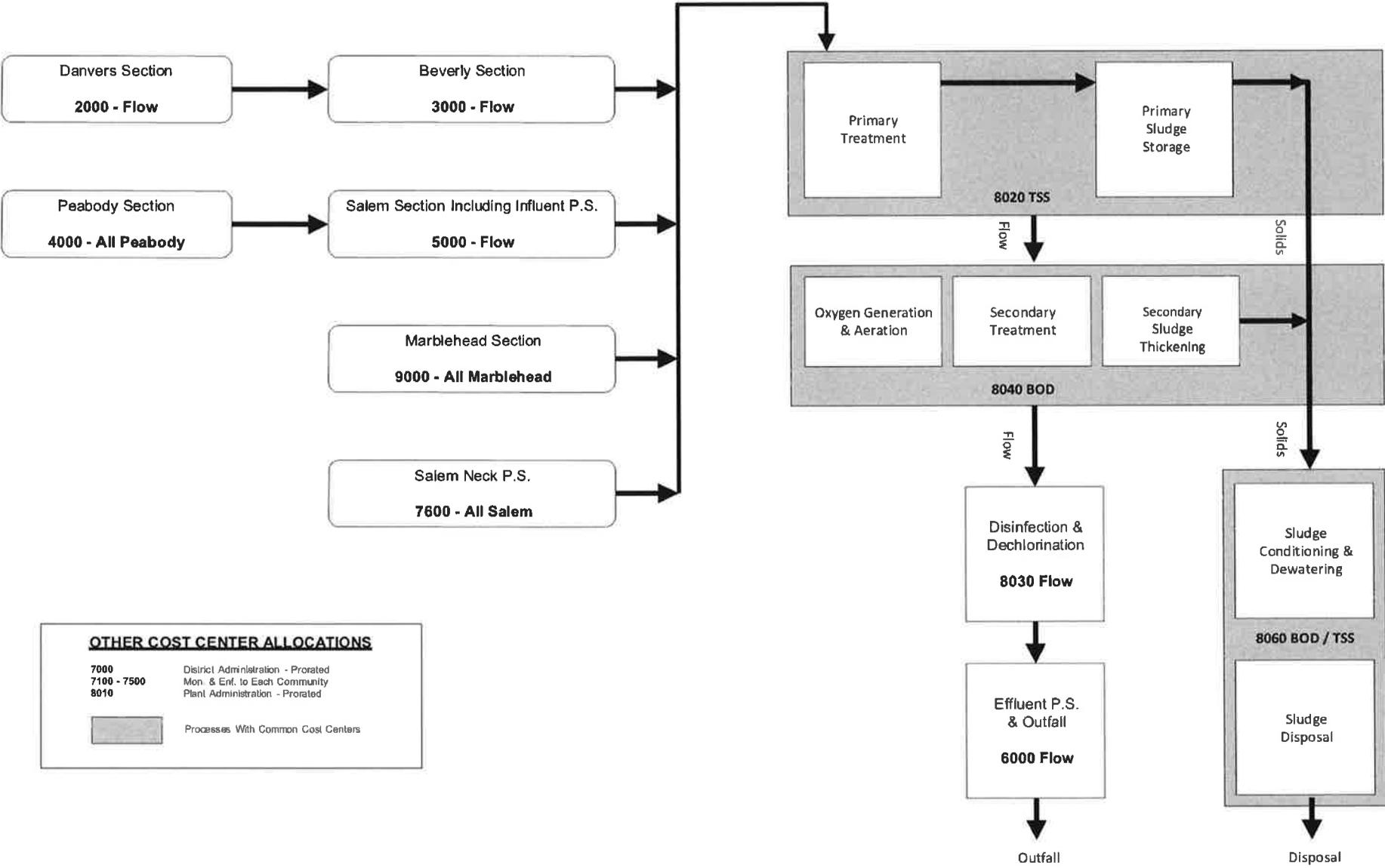
To mitigate operating cost increases, the following measures have been undertaken:

- SESD is engaged in several continuing energy management programs to reduce operating costs. These include several equipment upgrade projects, installation of variable frequency drives (VFDs), and upgrades to LED lighting fixtures to further reduce energy costs. These energy savings have been and continue to be utilized to sustain SESD's capital assets and fund its capital improvement program within its operating budget.
- In order to control operating costs, the SESD's Combined Heat and Power (CHP) Facility came online in January of 2020. The reduced operating costs and related revenues and other financial incentives associated with the new CHP Facility is another important component to funding its planned future capital improvement program.
- SESD commenced a long-term residuals hauling and disposal services contract on July 1, 2016. This contract includes three two-year renewal options for future years beyond the initial five-year service period; the third two-year renewal option will commence on July 1, 2025. This contract has a fixed price per wet ton that adjusts annually based on the July Consumer Price Index – Urban Consumers (CPI-U).
- Services for residuals hauling and disposal, landscaping, payroll, auditing, specialty lab work, information technology, employee specialized training, annual safety compliance inspections, boiler repairs, heavy mechanical work, trash disposal and several other planned specialty preventive maintenance and repair services are outsourced to the private sector in accordance with public procurement laws.
- Bulk chemicals and materials for wastewater treatment, disinfection, de-chlorination and odor control are procured annually by competitive bid.
- SESD's stabilization fund, which was established according to Chapter 45 of the Acts of 1995, remains fully funded at \$2,000,000.

SESD LABOR AND EXPENSE BUDGET COST CENTERS

Cost Center	Description	Apportionment Basis	Facilities or Activities Included
2000	Danvers Section	On Flow of Users – Previous Calendar Year (w/o Septage)	Danvers Sections of the Beverly / Danvers Interceptor, Including Pump Station and Force Main
3000	Beverly / Danvers Section	On Flow of Users – Previous Calendar Year (w/o Septage)	Beverly Sections of the Beverly / Danvers Interceptor, Including Pump Station and Force Main
4000	Peabody Section	All to Peabody (w/o Septage)	Peabody Sections of the Salem / Peabody Interceptor, Including Metering and Sampling Facility
5000	Peabody / Salem Section	On Flow of Users – Previous Calendar Year (w/o Septage)	Salem Sections of the Salem / Peabody Interceptor, Including Pump Station and Force Main
6000	Effluent Pump Station	On Flow of Users – 3 Year Moving Average	Effluent Pump Station and Outfall
7000	General Administration	Pro Rata – Flow, TSS, BOD – 3 Year Moving Average	General Administration of the District
7100	Beverly	All to Beverly	Industrial Pretreatment Activities and All Other Beverly Only Costs
7200	Danvers	All to Danvers	Industrial Pretreatment Activities and All Other Danvers Only Costs
7300	Marblehead	All to Marblehead	Industrial Pretreatment Activities and All Other Marblehead Only Costs
7400	Peabody	All to Peabody	Industrial Pretreatment Activities and All Other Peabody Only Costs
7500	Salem	All to Salem	Industrial Pretreatment Activities and All Other Salem Only Costs (<i>Excluding Salem Neck Pump Station</i>)
7600	Salem Neck Pump Station	All to Salem	Salem Neck Pump Station
8010	Administration of Plant	Pro Rata – Flow, TSS, BOD – 3 Year Moving Average	Administration of Treatment Facilities / Collection System and Collection System O&M
8020	Primary Plant Operations	On TSS Contribution of Users – 3 Year Moving Average	Preliminary Treatment, Primary Clarifiers, Primary Sludge Storage and Related Odor Control
8030	Disinfection / Dechlorination	On Flow of Users – 3 Year Moving Average	Disinfection and De-chlorination Facilities
8040	Secondary Treatment	On BOD Contribution of Users – 3 Year Moving Average	Aeration, Secondary Clarifiers, Oxygen System, WAS Storage, Thickening and Related Odor Control
8060	Sludge Processing	On Weighted BOD / TSS Contributions – 3 Year Moving Average	Combined Sludge Storage, Dewatering, Disposal and Related Odor Control
9000	Marblehead Section	All to Marblehead	Marblehead System, Including Pump Station, Force Main and Pressure Sewer System

SESD COST CENTER DIAGRAM





FISCAL YEAR 2026 BUDGET – TABLE OF CONTENTS

Labor and Expenses Budget Breakdown	Pages 1 – 7
Apportionment of Labor and Expenses	Pages 8 – 9
Payment in Lieu of Taxes (PILOT) Calculations	Page 10
Description and Apportionment of Capital Project Funds with Debt	Page 11
Non-Exempt Debt Service Apportionment Summary	Page 12
Exempt Debt Service Apportionment Summary	Page 13
Non-Exempt and Exempt Cost Apportionment Summaries	Pages 14 – 15
Calculation of Entity Assessment Payments	Page 16
Schedule of Entity Assessment Payments	Page 17
Budget Summary	Page 18
Signature Page	Page 19

Final - March 26, 2025

FY 2026 SOUTH ESSEX SEWERAGE DISTRICT LABOR AND EXPENSE BUDGET

July 1, 2025 - June 30, 2026

Division 1 - Administration/Finance - Labor		Danvers	Bev/Dan	Peabody	Pea/Sal	Effluent	Admin	All	All	All	All	All	Salem NK	Admin	Primary	Disinfection	Secondary	Sludge	Marblehead	
Line		Section	Section	Section	Section	PS	District	Beverly	Danvers	Marblehead	Peabody	Salem	PS	WWTP	WWTP	Dechlorination	WWTP	Processing	Section	
Ref. #	Labor	FY 2026	2000	3000	4000	5000	6000	7000	7100	7200	7300	7400	7500	7600	8010	8020	8030	8040	8060	9000
1	1-5101	SESD Chairman	8,000					8,000												
2	1-5102	SESD Board (5)	12,500					12,500												
3	1-5103	Clerk of SESD	16,448					16,448												
4	1-5110	Executive Director	166,901					166,901												
5	1-5112	Executive Assistant / Outreach Coordinator	72,064					72,064												
6	1-5120	Treasurer	23,198					23,198												
7	1-5125	Manager of Administration and Finance	109,325					109,325												
8	1-5127	Accounting Assistant (part-time)	39,539					39,539												
9	1-5128	Staff Accountant	86,223					86,223												
10	1-5175	Employee Buyback Obligation	60,000					60,000												
11	1-5185	Longevity	1,800					1,800												
12	1-5199	Miscellaneous Provisions	214,997					214,997												

Subtotal Labor **\$810,995** **\$0** **\$0** **\$0** **\$0** **\$0** **\$810,995** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0**

Division 1 - Administration/Finance - Expenses		Danvers	Bev/Dan	Peabody	Pea/Sal	Effluent	Admin	All	All	All	All	All	Salem NK	Admin	Primary	Disinfection	Secondary	Sludge	Marblehead	
Line		Section	Section	Section	Section	PS	District	Beverly	Danvers	Marblehead	Peabody	Salem	PS	WWTP	WWTP	Dechlorination	WWTP	Processing	Section	
Ref. #	Expenses	FY 2026	2000	3000	4000	5000	6000	7000	7100	7200	7300	7400	7500	7600	8010	8020	8030	8040	8060	9000
13	1-5350	Postage and Mailing	5,000					5,000												
14	1-5360	Office Equipment, Supplies and Printing	16,000					16,000												
15	1-5370	Computers, Network Services, and Software	100,000					100,000												
16	1-5730	Association Memberships and Subscriptions	29,000					29,000												
17	1-5700	Board Expenses	37,500					37,500												
18	1-5300	Professional Services	95,000					95,000												
19	1-5305	Accounting Services	42,000					42,000												
20	1-5301	Legal Counsel Support	140,000					140,000												
21	1-5302	Labor Legal Counsel Support	33,000					33,000												
22	1-5306	Banking Services	0					0												
23	1-5307	Payroll and Time and Attendance Services	22,000					22,000												
24	1-5720	Conference Travel and Registration	4,000					4,000												
25	1-5725	Education, Training and Licenses	8,000					8,000												
26	1-5710	Automobile Allowance	0					0												
27	1-5308	Health & Welfare	18,000					18,000												
28	1-5309	Medical, Life and Dental Insurance	1,300,000					1,300,000												
29	1-5193	Other Post Employment Benefits (OPEB)	50,000					50,000												
30	1-5194	Workers' Compensation Insurance	95,000					95,000												
31	1-5191	Contributory Retirement	872,500					872,500												
32	1-5197	FICA Payroll Taxes	87,500					87,500												
33	1-5198	MA Dept of Unemployment Assistance	0					0												
34	1-5196	MA Health Insurance Contribution	6,000					6,000												
35	1-5345	Advertising, Web Hosting and Public Outreach	14,000					14,000												
36	1-5740	Casualty Insurance	375,000					375,000												
37	1-5520	Uniforms	22,000					22,000												
38	1-5780	Other Operating Expenses	3,000					3,000												

Subtotal Expenses **\$3,374,500** **\$0** **\$0** **\$0** **\$0** **\$0** **\$3,374,500** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0**

Total Division 1 - Administration/Finance **\$4,185,495** **\$0** **\$0** **\$0** **\$0** **\$0** **\$4,185,495** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0** **\$0**

Final - March 26, 2025

FY 2026 SOUTH ESSEX SEWERAGE DISTRICT LABOR AND EXPENSE BUDGET

July 1, 2025 - June 30, 2026

Division 2 - Technical Support - Labor			Danvers	Bev/Dan	Peabody	Pea/Sal	Effluent	Admin	All	All	All	All	All	Salem NK	Admin	Primary	Disinfection	Secondary	Sludge	Marblehead	
Line			Section	Section	Section	Section	PS	District	Beverly	Danvers	Marblehead	Peabody	Salem	PS	WWTP	WWTP	Dechlorination	WWTP	Processing	Section	
Ref.	#	Labor	FY 2026	2000	3000	4000	5000	6000	7000	7100	7200	7300	7400	7500	7600	8010	8020	8030	8040	8060	9000
39	2-5130	District Engineer	143,167					143,167													
40	2-5131	Project Manager	130,302					130,302													
41	2-5132	Supervisor of Lab and Monitoring/Enforcement	119,328					119,328													
42	2-5146	Environmental, Health and Safety Leader	107,482					107,482													
43	2-5133	Chief Lab Technician	87,242					82,882	872	872	654	1,090	872								
44	2-5134	Senior Lab Analyst	0																		
45	2-5136	Lab Technician (2)	145,154					127,373	3,629	3,629	2,540	4,354	3,629								
46	2-5137	Pre-Treatment Inspector	87,242					71,538	3,490	3,926	436	4,362	3,490								
47	2-5138	Pre-Treatment Technician	72,577					37,014	7,983	8,709	726	10,887	7,258								
48	2-5147	Engineering Intern	20,000					20,000													
49	2-5180	Overtime	37,000					29,600	1,480	1,480	1,480	1,480	1,480								
50	2-5185	Longevity	2,100					2,100													
Subtotal Labor			\$951,594	\$0	\$0	\$0	\$0	\$870,786	\$17,454	\$18,616	\$5,836	\$22,173	\$16,729	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Division 2 - Technical Support - Expenses																					
Line			FY 2026	2000	3000	4000	5000	6000	7000	7100	7200	7300	7400	7500	7600	8010	8020	8030	8040	8060	9000
51	2-5430	Monitoring/Enforcement Materials and Supplies	5,500					5,500													
52	2-5426	Engineering Materials and Supplies	2,900					2,900													
53	2-5730	Association Memberships and Subscriptions	2,450					2,450													
54	2-5300	Professional Services	62,000					62,000													
55	2-5720	Conference Travel and Registration	4,785					4,785													
56	2-5725	Education, Training and Licenses	11,000					11,000													
57	2-5710	Automobile Allowance	5,000					5,000													
58	2-5440	Laboratory Supplies	57,000					57,000													
59	2-5250	Equipment, Maintenance and Repairs	50,000					50,000													
60	2-5780	Other Operating Expenses	3,000					3,000													
61	2-5523	Safety Training, Equip. and Annual Compliance	94,000	3,137	3,137	1,046	1,046	5,922							78,666						1,046
62	2-5259	Monitoring and Enforcement Analysis	52,800					22,744	7,225	6,358		10,982	5,491								
Subtotal Expenses			\$350,435	\$3,137	\$3,137	\$1,046	\$1,046	\$0	\$232,301	\$7,225	\$6,358	\$0	\$10,982	\$5,491	\$0	\$78,666	\$0	\$0	\$0	\$0	\$1,046
Total Division 2 - Technical Support			\$1,302,029	\$3,137	\$3,137	\$1,046	\$1,046	\$0	\$1,103,087	\$24,679	\$24,974	\$5,836	\$33,155	\$22,220	\$0	\$78,666	\$0	\$0	\$0	\$0	\$1,046

Final - March 26, 2025
FY 2026 SOUTH ESSEX SEWERAGE DISTRICT LABOR AND EXPENSE BUDGET
 July 1, 2025 - June 30, 2026

		Division 3 - Operations - Labor																				
Line Ref.	#	Labor	FY 2026	Danvers Section 2000	Bev/Dan Section 3000	Peabody Section 4000	Pea/Sal Section 5000	Effluent PS 6000	Admin District 7000	All Beverly 7100	All Danvers 7200	All Marblehead 7300	All Peabody 7400	All Salem 7500	Salem NK PS 7600	Admin WWTP 8010	Primary WWTP 8020	Disinfection Dechlorination 8030	Secondary WWTP 8040	Sludge Processing 8060	Marblehead Section 9000	
63	3-5140	Superintendent of Operations	130,939													130,939						
64	3-5141	Assistant Superintendent of Operations	107,742													107,742						
65	3-5143	Chief Operator (6)	523,452	10,465	10,465	5,235	5,235	5,235							5,235	151,800	115,215	15,675	112,540	78,520	7,834	
66	3-5144	Operator (12)	901,740	9,030	9,030	9,030	9,030	9,030							4,535	207,399	180,350	18,030	216,360	216,415	13,500	
67	3-5145	Facilities Attendant (4)	241,440	1,210	1,210	1,210	9,745	1,210								53,118	71,150	2,400	24,150	73,635	2,400	
68	3-5180	Overtime	475,000	2,350	2,350	2,350	4,850	2,350							2,400	47,500	121,100	4,750	114,000	166,250	4,750	
69	3-5185	Longevity	9,450													9,450						
70	3-5190	Shift Differential	76,000	2,620	2,620	2,620	2,620	1,120							400	7,500	20,750	1,500	11,250	20,750	2,250	
Subtotal Labor			\$2,465,763	\$25,676	\$25,676	\$20,445	\$31,480	\$18,945	\$0	\$0	\$0	\$0	\$0	\$0	\$12,569	\$715,448	\$508,565	\$42,355	\$478,300	\$555,570	\$30,734	

		Division 3 - Operations - Expenses																				
Line Ref.	#	Expenses	FY 2026	Danvers Section 2000	Bev/Dan Section 3000	Peabody Section 4000	Pea/Sal Section 5000	Effluent PS 6000	Admin District 7000	All Beverly 7100	All Danvers 7200	All Marblehead 7300	All Peabody 7400	All Salem 7500	Salem NK PS 7600	Admin WWTP 8010	Primary WWTP 8020	Disinfection Dechlorination 8030	Secondary WWTP 8040	Sludge Processing 8060	Marblehead Section 9000	
71	3-5575	Materials and Supplies	20,000													20,000						
72	3-5730	Association Memberships and Subscriptions	1,000													1,000						
73	3-5720	Conference Travel and Registration	4,500													4,500						
74	3-5725	Education, Training and Licenses	10,000													10,000						
75	3-5710	Automobile Allowance	0																			
76	3-5540	Sodium Hypochlorite	1,000,000															1,000,000				
77	3-5541	Odor Sodium Hypochlorite	82,000														38,500				43,500	
78	3-5545	Polymers	365,000																127,750		237,250	
79	3-5550	Hydrogen Peroxide	205,000																		205,000	
80	3-5551	Odor Sodium Hydroxide	29,000														29,000					
81	3-5555	Liquid Oxygen	40,000																	40,000		
82	3-5556	Liquid Nitrogen	5,000																	5,000		
83	3-5559	Misc. Chemicals and Cleaning Agents	5,000													1,000	1,000		1,000		2,000	
84	3-5560	Sodium Bisulfite	285,000															285,000				
85	3-5265	Odor Control Carbon Replacement	175,000																		50,000	
86	3-5210	Power	1,396,000	60,000	209,000	6,000	69,930	134,680	31,080						9,000	159,470	69,930	6,210	476,630	88,070	76,000	
87	3-5211	Odor Control Power	444,000				26,640										275,280				142,080	
88	3-5215	Heating Fuel	745,150		3,750		12,000	32,280	32,290							39,460	343,350	15,780	157,320	95,420	13,500	
89	3-5216	Odor Control Fuel	871,850														654,010				217,840	
90	3-5230	Water	165,000	4,950	4,950	100	21,300	9,800	3,000						2,050		18,150	33,000	48,900	12,200	6,600	
91	3-5231	Odor Control Water	65,000														65,000					
92	3-5260	Residuals Disposal	4,650,000																		4,650,000	
93	3-5261	Screenings and Grit Material Disposal	140,000	30,000	32,000		78,000															
94	3-5270	Sewer Cleanings Facility Material Disposal	60,000							8,000	8,000	8,000	4,000	25,000			7,000					
95	3-5262	NPDES and Residuals Disposal Testing	16,000													16,000						
96	3-5780	Other Operating Expenses	20,000													20,000						
Subtotal Expenses			\$10,799,500	\$94,950	\$249,700	\$6,100	\$207,870	\$176,760	\$66,370	\$8,000	\$8,000	\$8,000	\$4,000	\$25,000	\$11,050	\$271,430	\$1,626,220	\$1,339,990	\$856,600	\$5,743,360	\$98,100	
Total Division 3 - Operations			\$13,265,263	\$120,626	\$275,376	\$26,545	\$239,350	\$195,705	\$66,370	\$8,000	\$8,000	\$8,000	\$4,000	\$25,000	\$23,619	\$986,878	\$2,134,785	\$1,382,345	\$1,334,900	\$6,298,930	\$126,834	

Final - March 26, 2025

FY 2026 SOUTH ESSEX SEWERAGE DISTRICT LABOR AND EXPENSE BUDGET

July 1, 2025 - June 30, 2026

Division 4 - Maintenance - Labor			Danvers	Bev/Dan	Peabody	Pea/Sal	Effluent	Admin	All	All	All	All	All	Salem NK	Admin	Primary	Disinfection	Secondary	Sludge	Marblehead	
Line Ref.	#	Labor	FY 2026	Section 2000	Section 3000	Section 4000	Section 5000	PS 6000	District 7000	Beverly 7100	Danvers 7200	Marblehead 7300	Peabody 7400	Salem 7500	PS 7600	WWTP 8010	WWTP 8020	Dechlorination 8030	WWTP 8040	Processing 8060	Section 9000
97	4-5160	Superintendent of Maintenance	132,217												132,217						
98	4-5151	Assistant Superintendent of Maintenance	108,002												108,002						
99	4-5169	Planner, Scheduler and CMMS Administrator	89,167												89,167						
100	4-5152	Master Mechanic	87,242	4,000	4,000	200	4,000	1,500						200	31,342	11,000	5,500	9,000	15,000	1,500	
101	4-5153	Lead Mechanic (3)	245,673	4,000	4,000	1,000	4,000	2,000						1,000	95,173	34,000	7,000	52,000	37,000	4,500	
102	4-5154	Mechanic (3)	225,435	5,500	4,000	1,000	4,000	1,500						1,000	90,435	39,000	18,000	33,000	25,500	2,500	
103	4-5155	Mechanic/Equipment Operator	79,637	500	500	500	1,000	1,000						500	53,637	6,500	3,000	7,000	4,500	1,000	
104	4-5156	Mechanic Helper	60,360	500	500	500	1,000	500						500	33,360	7,500	3,000	8,500	4,000	500	
105	4-5157	Mechanic/Machinist	79,637	4,500	1,500	500	3,000	500						500	29,137	13,500	1,500	13,500	10,000	1,500	
106	4-5162	Facilities Foreman	87,242	4,000	3,500	1,000	1,000	500						500	66,742	3,000	2,000	1,000	1,000	3,000	
107	4-5163	Maintenance Equipment Operator	67,758	2,000	2,000	1,000	2,000	500						500	48,258	3,500	2,000	3,500	1,000	1,500	
108	4-5164	Maintenance Helper	60,360	3,000	2,000	500	1,000	500						500	38,860	3,500	2,000	6,000	1,000	1,500	
109	4-5165	Instrumentation/Electrical Specialist (2)	174,484	5,000	7,000	1,000	6,500	2,500						1,000	78,484	18,000	17,000	19,000	15,000	4,000	
110	4-5161	Lead Instrumentation/Electrical Technician	81,891	3,000	3,500	1,000	3,000	2,000						500	32,891	11,500	4,000	10,000	8,500	2,000	
111	4-5168	Instrumentation/Electrical Technician	79,637	1,500	3,500	500	3,500	3,000						500	25,637	7,500	15,000	8,500	8,500	2,000	
112	4-5166	Inventory Control Clerk	72,577												72,577						
113	4-5167	HVAC Mechanical Technician	87,242	1,000	2,000	1,000	1,500	1,500						500	66,242	5,500	2,000	3,500	1,000	1,500	
114	4-5180	Overtime	250,000	4,000	8,500	1,000	7,500	4,000						500	62,000	40,000	20,000	47,000	45,000	10,500	
115	4-5185	Longevity	6,150												6,150						
Subtotal Labor			\$2,074,711	\$42,500	\$46,500	\$10,700	\$43,000	\$21,500	\$0	\$0	\$0	\$0	\$0	\$8,200	\$1,160,311	\$204,000	\$102,000	\$221,500	\$177,000	\$37,500	

Division 4 - Maintenance - Expenses			Danvers	Bev/Dan	Peabody	Pea/Sal	Effluent	Admin	All	All	All	All	All	Salem NK	Admin	Primary	Disinfection	Secondary	Sludge	Marblehead	
Line Ref.	#	Expenses	FY 2026	Section 2000	Section 3000	Section 4000	Section 5000	PS 6000	District 7000	Beverly 7100	Danvers 7200	Marblehead 7300	Peabody 7400	Salem 7500	PS 7600	WWTP 8010	WWTP 8020	Dechlorination 8030	WWTP 8040	Processing 8060	Section 9000
116	4-5400	Materials, Supplies and Lubricants	82,000	500	500	500	500	500						500	72,000	500	5,000	500	500	500	500
117	4-5730	Association Memberships and Subscriptions	500												500						
118	4-5340	Telephone and Communications Services	23,000	500	500	500			15,000						6,000						500
119	4-5720	Conference Travel and Registration	1,500												1,500						
120	4-5725	Education, Training and Licenses	16,000												16,000						
121	4-5220	Gasoline and Diesel Fuel	19,000	500	2,000										16,500						
122	4-5245	Fleet Repairs and Maintenance	28,000												28,000						
123	4-5710	Automobile Allowance	5,000												5,000						
124	4-5570	Tools, Equipment and Equipment Rental	40,000												40,000						
125	4-5580	Replacement Parts and Machinery Repairs	700,000	26,000	26,000	6,500	25,000	39,000						8,500	171,000	92,000	46,000	130,000	100,000	30,000	
126	4-5581	Odor Control Parts and Machinery Repairs	90,000				4,000									66,000				20,000	
127	4-5280	Contract Maintenance and Services	555,000	20,750	26,750	5,000	12,000	47,000						1,000	317,000	15,000	2,500	55,000	34,000	19,000	
128	4-5281	CHP Contract Maintenance and Service	490,000												490,000						
129	4-5290	Janitorial Service, Supplies and Equipment	58,000												58,000						
130	4-5279	Inspection Fees	15,000	500	500		500								13,000						500
131	4-5780	Other Operating Expenses	3,000												3,000						
132	4-5275	Outfall Inspection and Cleaning	8,000					8,000													
Subtotal Expenses			\$2,134,000	\$48,750	\$56,250	\$12,500	\$42,000	\$94,500	\$15,000	\$0	\$0	\$0	\$0	\$10,000	\$1,237,500	\$173,500	\$53,500	\$185,500	\$154,500	\$50,500	
Total Division 4 - Maintenance			\$4,208,711	\$91,250	\$102,750	\$23,200	\$85,000	\$116,000	\$15,000	\$0	\$0	\$0	\$0	\$0	\$18,200	\$2,397,811	\$377,500	\$155,500	\$407,000	\$331,500	\$88,000

Final - March 26, 2025

FY 2026 SOUTH ESSEX SEWERAGE DISTRICT LABOR AND EXPENSE BUDGET

July 1, 2025 - June 30, 2026

Capital Expenses and Planning - Expenses			Danvers	Bev/Dan	Peabody	Pea/Sal	Effluent	Admin	All	All	All	All	Salem NK	Admin	Primary	Dechlorination	Secondary	Sludge	Marblehead		
Line	Ref.	# Expenses	FY 2026	Section	Section	Section	Section	PS	District	Beverly	Danvers	Marblehead	Peabody	Salem	PS	WWTP	WWTP	8030	8040	8060	9000
133	5-5734	Marblehead Pump Station Grinder/ Pump Replacements	65,000																		65,000
134	5-5735	Sludge Loadout Conveyance Equipment Replacements	80,000																		80,000
135	5-5736	Chemical Building HVAC Upgrades, Phase II	50,000													50,000					
136	5-5737	Fire Alarm System Upgrades	90,000													90,000					
137	5-5738	Fleet Replacement	65,000													65,000					
Total Capital Expenses and Planning			\$350,000	\$0	\$205,000	\$0	\$0	\$0	\$80,000	\$65,000											

Final - March 26, 2025

FY 2026 SOUTH ESSEX SEWERAGE DISTRICT LABOR AND EXPENSE BUDGET
LABOR AND EXPENSES SUMMARY BEFORE ESTIMATED REVENUE ALLOCATION
Summary Sheet A

	FY 2026	Danvers Section 2000	Bev/Dan Section 3000	Peabody Section 4000	Pea/Sal Section 5000	Effluent PS 6000	Admin District 7000	All Beverly 7100	All Danvers 7200	All Marblehead 7300	All Peabody 7400	All Salem 7500	Salem NK PS 7600	Admin WWTP 8010	Primary WWTP 8020	Disinfection Dechlorination 8030	Secondary WWTP 8040	Sludge Processing 8060	Marblehead Section 9000	
Division 1 - Administration/Finance																				
Labor	810,995						810,995													
Expenses	3,374,500						3,374,500													
DIVISION 1 - TOTAL LABOR & EXPENSES	4,185,495	0	0	0	0	0	4,185,495	0	0	0	0	0	0	0	0	0	0	0	0	
Division 2 - Technical Support																				
Labor	951,594						870,786	17,454	18,616	5,836	22,173	16,729								
Expenses	350,435	3,137	3,137	1,046	1,046		232,301	7,225	6,356		10,982	5,491		78,666					1,046	
DIVISION 2 - TOTAL LABOR & EXPENSES	1,302,029	3,137	3,137	1,046	1,046	0	1,103,087	24,679	24,974	5,836	33,155	22,220	0	78,666	0	0	0	0	1,046	
Division 3 - Operations																				
Labor	2,465,763	25,676	25,676	20,445	31,480	18,945							12,569	715,448	508,565	42,355	478,300	555,570	30,734	
Expenses	10,799,500	94,950	249,700	6,100	207,870	176,760	66,370	8,000	8,000	8,000	4,000	25,000	11,050	271,430	1,626,220	1,339,990	856,600	5,743,360	96,100	
DIVISION 3 - TOTAL LABOR & EXPENSES	13,265,263	120,626	275,376	26,545	239,350	195,705	66,370	8,000	8,000	8,000	4,000	25,000	23,619	986,878	2,134,785	1,382,345	1,334,900	6,298,930	126,834	
Division 4 - Maintenance																				
Labor	2,074,711	42,500	46,500	10,700	43,000	21,500							8,200	1,160,311	204,000	102,000	221,500	177,000	37,500	
Expenses	2,134,000	48,750	56,250	12,500	42,000	94,500	15,000						10,000	1,237,500	173,500	53,500	185,500	154,500	50,500	
DIVISION 4 - TOTAL LABOR & EXPENSES	4,208,711	91,250	102,750	23,200	85,000	116,000	15,000	0	0	0	0	0	18,200	2,397,811	377,500	155,500	407,000	331,500	88,000	
Capital Expenses and Planning																				
EXPENSES	350,000													205,000					80,000	65,000
TOTAL CAPITAL EXPENSES	350,000	0	0	0	0	0	0	0	0	0	0	0	0	205,000	0	0	0	0	80,000	65,000
TOTAL LABOR	6,303,063	68,176	72,176	31,145	74,480	40,445	1,681,781	17,454	18,616	5,836	22,173	16,729	20,769	1,875,759	712,565	144,355	699,800	732,570	68,234	
TOTAL EXPENSES	17,008,435	146,837	309,087	19,646	250,916	271,260	3,688,171	15,225	14,358	8,000	14,982	30,491	21,050	1,792,596	1,799,720	1,393,490	1,042,100	5,977,860	212,646	
Total Labor and Expenses	\$23,311,498	\$215,013	\$381,263	\$50,791	\$325,396	\$311,705	\$5,369,952	\$32,679	\$32,974	\$13,836	\$37,155	\$47,220	\$41,819	\$3,668,355	\$2,512,285	\$1,537,845	\$1,741,900	\$6,710,430	\$280,880	

* COMPUTATION NOTE: Due to internal rounding, values may appear to be off by ± \$1.

Final - March 26, 2025

FY 2026 SOUTH ESSEX SEWERAGE DISTRICT LABOR AND EXPENSE BUDGET
LABOR AND EXPENSES SUMMARY INCLUDING ESTIMATED REVENUE ALLOCATION
Summary Sheet B

Anticipated Source of Revenue:

Energy Associated Revenue	-\$125,000
Septage Revenue	-\$75,000
Interest Income	-\$150,000
Total Estimated Revenue	-\$350,000

	FY 2026	Danvers Section 2000	Bev/Dan Section 3000	Peabody Section 4000	Pea/Sal Section 5000	Effluent PS 6000	Admin District 7000	All Beverly 7100	All Danvers 7200	All Marblehead 7300	All Peabody 7400	All Salem 7500	Salem NK PS 7600	Admin WWTP 8010	Primary WWTP 8020	Disinfection Dechlorination 8030	Secondary WWTP 8040	Sludge Processing 8060	Marblehead Section 9000
Division 1 - Administration/Finance																			
DIVISION 1 - TOTAL LABOR & EXPENSES	4,185,495						4,185,495												
Division 2 - Technical Support																			
DIVISION 2 - TOTAL LABOR & EXPENSES	1,302,029	3,137	3,137	1,046	1,046		1,103,087	24,679	24,974	5,836	33,155	22,220		78,666					1,046
Division 3 - Operations																			
DIVISION 3 - TOTAL LABOR & EXPENSES	13,265,263	120,626	275,376	26,545	239,350	195,705	66,370	8,000	8,000	8,000	4,000	25,000	23,619	986,878	2,134,785	1,382,345	1,334,900	6,298,930	126,834
Division 4 - Maintenance																			
DIVISION 4 - TOTAL LABOR & EXPENSES	4,208,711	81,250	102,750	23,200	85,000	116,000	15,000						18,200	2,397,811	377,500	155,500	407,000	331,500	88,000
Capital Expenses and Planning																			
TOTAL CAPITAL EXPENSES	350,000													205,000				80,000	65,000
TOTAL LABOR & EXPENSES	23,311,498	215,013	381,263	50,791	325,396	311,705	5,369,952	32,679	32,974	13,836	37,155	47,220	41,819	3,668,355	2,512,285	1,537,845	1,741,900	6,710,430	280,880
TOTAL ESTIMATED REVENUE	-350,000						-150,000							-125,000	-13,910		-14,240	-46,850	
Total Labor and Expenses after Estimated Revenue	\$22,961,498	\$215,013	\$381,263	\$50,791	\$325,396	\$311,705	\$5,219,952	\$32,679	\$32,974	\$13,836	\$37,155	\$47,220	\$41,819	\$3,543,355	\$2,498,375	\$1,537,845	\$1,727,660	\$6,663,580	\$280,880

* COMPUTATION NOTE: Due to internal rounding, values may appear to be off by ± \$1.

**FY 2026 SOUTH ESSEX SEWERAGE DISTRICT LABOR AND EXPENSE BUDGET
APPORTIONMENT OF COST CENTERS (6000, 8020, 8030, 8040, 8060, 7000, 8010)**

Cost Center Percentages by Entity

Entity	Effluent PS 6000	Primary WWTP 8020	Disinfection Dechlorination 8030	Secondary WWTP 8040	Sludge Processing 8060
Beverly	22.5670%	19.4749%	22.5670%	17.3795%	18.5936%
Danvers	14.8701%	16.8237%	14.8701%	17.1387%	16.9562%
Marblehead	7.8245%	7.4635%	7.8245%	8.9091%	8.0715%
Peabody	33.4398%	33.5507%	33.4398%	36.2967%	34.7057%
Salem	20.3275%	21.7270%	20.3275%	19.0423%	20.5978%
Commonwealth of MA	0.1710%	0.1697%	0.1710%	0.2182%	0.1901%
Middleton	0.3628%	0.3598%	0.3628%	0.4626%	0.4031%
Comm of MA - Jail	0.3612%	0.3565%	0.3612%	0.4579%	0.3992%
Comm of MA - Sanatorium	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%
Comm of MA - Essex Agr Sch	0.0761%	0.0742%	0.0761%	0.0950%	0.0829%
Total	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%

<== These percentages taken from Board-approved Annual Flows & Loads for Calendar Year 2024

Cost Center Total Costs (see page 7)

Effluent PS 6000	Primary WWTP 8020	Disinfection Dechlorination 8030	Secondary WWTP 8040	Sludge Processing 8060
311,705	2,498,375	1,537,845	1,727,660	6,663,580

Admin District 7000	Admin WWTP 8010
5,219,952	3,543,355

Allocation of Costs Using Cost Center Percentages by Entity

Entity	6000	8020	8030	8040	8060
Beverly	70,342	486,556	347,045	300,258	1,238,997
Danvers	46,351	420,319	228,679	296,098	1,129,889
Marblehead	24,389	186,465	120,329	153,918	537,850
Peabody	104,234	838,221	514,252	627,084	2,312,639
Salem	63,362	542,822	312,605	328,986	1,372,553
Commonwealth of MA	533	4,240	2,630	3,770	12,668
Middleton	1,131	8,990	5,579	7,993	26,859
Comm of MA - Jail	1,126	8,907	5,555	7,912	26,600
Comm of MA - Sanatorium	0	0	0	0	0
Comm of MA - Essex Agr Sch	237	1,853	1,170	1,641	5,525
Total	\$311,705	\$2,498,375	\$1,537,845	\$1,727,660	\$6,663,580

Derived Entity Percentages for Cost Centers (7000, 8010)

Totals	Percent of Grand Total	
2,443,199	19.1786%	
2,121,337	16.6521%	
1,022,952	8.0300%	
4,396,430	34.5111%	
2,620,328	20.5691%	
23,841	0.1871%	
50,552	0.3968%	
50,100	0.3933%	
0	0.0000%	
10,426	0.0818%	
Grand Total	\$12,739,165	100.0000%

Use percentages at left to allocate community apportionment for Cost Centers 7000 and 8010

Allocation of 7000 and 8010 Cost Centers

	7000	8010
Beverly	1,001,116	679,568
Danvers	869,231	590,043
Marblehead	419,161	284,531
Peabody	1,801,464	1,222,852
Salem	1,073,696	728,835
Commonwealth of MA	9,769	6,631
Middleton	20,714	14,061
Comm of MA - Jail	20,529	13,935
Comm of MA - Sanatorium	0	0
Comm of MA - Essex Agr Sch	4,272	2,900
Total	\$5,219,952	\$3,543,355

* COMPUTATION NOTE: Due to internal rounding, values may appear to be off by ± \$1.

**FY 2026 SOUTH ESSEX SEWERAGE DISTRICT LABOR AND EXPENSE BUDGET
COST CENTER APPORTIONMENT PERCENTAGES AND ALLOCATIONS BY ENTITY**

Cost Center Percentages by Entity

Entity	Danvers Section 2000	Bev/Dan Section 3000	Peabody Section 4000	Pea/Sal Section 5000	Effluent PS 6000	Admin District 7000	All Beverly 7100	All Danvers 7200	All Marblehead 7300	All Peabody 7400	All Salem 7500	Salem NK PS 7600	Admin WWTP 8010	Primary WWTP 8020	Disinfection Dechlorination 8030	Secondary WWTP 8040	Sludge Processing 8060	Marblehead Section 9000
Beverly		59.6728%			22.5670%	19.1786%	100%						19.1786%	19.4749%	22.5670%	17.3795%	18.5936%	
Danvers	94.1811%	37.9806%			14.8701%	16.6521%		100%					16.6521%	16.8237%	14.8701%	17.1387%	16.9562%	
Marblehead					7.8245%	8.0300%			100%				8.0300%	7.4635%	7.8245%	8.9091%	8.0715%	100%
Peabody			100%	59.7398%	33.4398%	34.5111%				100%			34.5111%	33.5507%	33.4398%	36.2967%	34.7057%	
Salem				40.2602%	20.3275%	20.5691%					100%	100%	20.5691%	21.7270%	20.3275%	19.0423%	20.5978%	
Commonwealth of MA	1.1090%	0.4472%			0.1710%	0.1871%							0.1871%	0.1697%	0.1710%	0.2182%	0.1901%	
Middleton	2.3089%	0.9311%			0.3628%	0.3968%							0.3968%	0.3598%	0.3628%	0.4626%	0.4031%	
Comm of MA - Jail	2.0344%	0.8204%			0.3612%	0.3933%							0.3933%	0.3565%	0.3612%	0.4579%	0.3992%	
Comm of MA - Sanatorium																		
Comm of MA - Essex Agr Sch	0.3666%	0.1478%			0.0761%	0.0818%							0.0818%	0.0742%	0.0761%	0.0950%	0.0829%	
	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%

↑ Percentages as calculated on page 8 ↓

Entity	Danvers Section 2000	Bev/Dan Section 3000	Peabody Section 4000	Pea/Sal Section 5000	Effluent PS 6000	Admin District 7000	All Beverly 7100	All Danvers 7200	All Marblehead 7300	All Peabody 7400	All Salem 7500	Salem NK PS 7600	Admin WWTP 8010	Primary WWTP 8020	Disinfection Dechlorination 8030	Secondary WWTP 8040	Sludge Processing 8060	Marblehead Section 9000	
Cost Center Totals (from Page 7)	\$22,961,498	\$215,013	\$381,263	\$50,791	\$325,396	\$311,705	\$5,219,952	\$32,679	\$32,974	\$13,836	\$37,155	\$47,220	\$41,819	\$3,543,355	\$2,498,375	\$1,537,845	\$1,727,660	\$6,663,580	\$280,880

Cost Center Allocations by Entity

Entity	Totals	Danvers Section 2000	Bev/Dan Section 3000	Peabody Section 4000	Pea/Sal Section 5000	Effluent PS 6000	Admin District 7000	All Beverly 7100	All Danvers 7200	All Marblehead 7300	All Peabody 7400	All Salem 7500	Salem NK PS 7600	Admin WWTP 8010	Primary WWTP 8020	Disinfection Dechlorination 8030	Secondary WWTP 8040	Sludge Processing 8060	Marblehead Section 9000
Beverly	4,384,072		227,510			70,342	1,001,116	32,679						679,568	486,556	347,045	300,258	1,238,997	
Danvers	3,960,892	202,501	144,806			46,351	869,231		32,974					590,043	420,319	228,679	296,098	1,129,889	
Marblehead	2,021,360					24,389	419,161			13,836				284,531	186,465	120,329	153,918	537,850	280,880
Peabody	7,703,083			50,791	194,391	104,234	1,801,464				37,155			1,222,852	838,221	514,252	627,084	2,312,639	
Salem	4,642,904				131,005	63,362	1,073,686					47,220	41,819	728,835	542,822	312,605	328,986	1,372,553	
Commonwealth of MA	44,330	2,384	1,705			533	9,769							6,631	4,240	2,630	3,770	12,668	
Middleton	93,842	4,964	3,550			1,131	20,714							14,061	8,990	5,579	7,993	26,859	
Comm of MA - Jail	92,066	4,374	3,128			1,126	20,529							13,935	8,907	5,555	7,912	26,600	
Comm of MA - Sanatorium	0																		
Comm of MA - Essex Agr Sch	18,949	788	564			237	4,272							2,900	1,853	1,170	1,641	5,525	
Totals	\$22,961,498	\$215,013	\$381,263	\$50,791	\$325,396	\$311,705	\$5,219,952	\$32,679	\$32,974	\$13,836	\$37,155	\$47,220	\$41,819	\$3,543,355	\$2,498,375	\$1,537,845	\$1,727,660	\$6,663,580	\$280,880

* COMPUTATION NOTE: Due to internal rounding, values may appear to be off by ± \$1.

Final - March 26, 2025

**FY 2026 SOUTH ESSEX SEWERAGE DISTRICT
PAYMENT IN LIEU OF TAXES CALCULATIONS**

Calculation of Apportionment Percentages

Calculation of Apportionment Amounts*

Entity	2024 Flow Amounts Million Gallons Per Day		Percent of Total Excluding Salem	Non-Exempt Amount		Exempt Amount	
	All 10 Entities	Excluding Salem		Total Apportionment:	\$70,000	Total Apportionment:	\$430,000
Beverly	5.9139	5.9139	30.6298%	30.6298%	\$21,441	30.6298%	\$131,708
Danvers	3.7718	3.7718	19.5353%	19.5353%	\$13,675	19.5353%	\$84,002
Marblehead	1.9802	1.9802	10.2562%	10.2562%	\$7,179	10.2562%	\$44,102
Peabody	7.4092	7.4092	38.3742%	38.3742%	\$26,862	38.3742%	\$165,009
Salem	5.2136	0	0%	0%	\$0	0%	\$0
Commonwealth of MA	0.0443	0.0443	0.2296%	0.2296%	\$161	0.2296%	\$987
Middleton	0.0923	0.0923	0.4779%	0.4779%	\$335	0.4779%	\$2,055
Comm of MA - Jail	0.0813	0.0813	0.4211%	0.4211%	\$295	0.4211%	\$1,811
Comm of MA - Sanatorium	0	0	0%	0%	\$0	0%	\$0
Comm of MA - Essex Agr Sch	<u>0.0147</u>	<u>0.0147</u>	<u>0.0759%</u>	<u>0.0759%</u>	<u>\$53</u>	<u>0.0759%</u>	<u>\$326</u>
Total	24.5213	19.3077	100.0000%	100.0000%	\$70,000	100.0000%	\$ 430,000

These flows taken from Board-approved Annual Flows & Loads for calendar year 2024

* COMPUTATION NOTE: Due to internal rounding, values in print may appear to be off by ± \$1.

FY 2026 DESCRIPTION AND APPORTIONMENT OF CAPITAL PROJECT FUNDS WITH DEBT

	Capital Project Fund Number	Capital Project Fund Description	Capital Project Fund Apportionment
Non-Exempt {	71	Primary Clarifier Concrete Restoration	All Entities
	72	Danvers Siphon Rehabilitation	Danvers, Middleton and the Commonwealth of Massachusetts
Exempt {	60	Secondary Treatment Facilities	All Entities
	63	Beverly Infiltration/Inflow Reduction	Beverly
	66	Marblehead Pipeline Replacement	Marblehead

**FY 2026 SOUTH ESSEX SEWERAGE DISTRICT BUDGET
NON-EXEMPT DEBT SERVICE APPORTIONMENT SUMMARY**

<u>Entity</u>	<u>Total Fund 71</u>	<u>Total Fund 72</u>	<u>Total Non-Exempt Debt Service</u>
Beverly	185,255		185,255
Danvers	149,514	156,243	305,757
Marblehead	79,381		79,381
Peabody	351,532		351,532
Salem	187,278		187,278
Commonwealth of MA	1,734	2,587	4,321
Middleton	3,661	4,015	7,676
Comm of MA - Jail	4,431	6,230	10,662
Comm of MA - Sanatorium			0
Comm of MA - Essex Agr Sch	578	655	1,233
TOTALS	\$963,364	\$169,730	1,133,094

The debt for Fund 71 is apportioned based on the Apportionment of Construction Costs of the Common Secondary Facilities in the Approved 2024 Cost Apportionment Study.

* COMPUTATION NOTE: Due to internal rounding, values may appear to be off by ± \$1.

**FY 2026 SOUTH ESSEX SEWERAGE DISTRICT BUDGET
EXEMPT DEBT SERVICE APPORTIONMENT SUMMARY**

<u>Entity</u>	<u>Total Fund 60</u>	<u>Total Fund 63</u>	<u>Total Fund 66</u>	<u>Total Exempt Debt Service</u>
Beverly	62,748	113,200		175,948
Danvers	50,642			50,642
Marblehead	26,887		1,038,895	1,065,782
Peabody	119,068			119,068
Salem	63,433			63,433
Commonwealth of MA	587			587
Middleton	1,240			1,240
Comm of MA - Jail	1,501			1,501
Comm of MA - Sanatorium				0
Comm of MA - Essex Agr Sch	196			196
TOTALS	\$326,302	\$113,200	\$1,038,895	1,478,398

Note: The debt service shown above includes the 2016 Bond Refunding Reductions. Further, the debt for Fund 60 is apportioned based on the Apportionment of Construction Costs of the Common Secondary Facilities in the Approved 2024 Cost Apportionment Study.

* COMPUTATION NOTE: Due to internal rounding, values may appear to be off by ± \$1.

Final - March 26, 2025

**FY 2026 SOUTH ESSEX SEWERAGE DISTRICT BUDGET
NON-EXEMPT COST APPORTIONMENT SUMMARY**

<u>Entity</u>	(see p.12) ↓ <u>Debt Service</u> <u>Non-Exempt</u>	(see p.9) ↓ <u>Labor and Expenses</u> <u>Non-Exempt</u>	(see p.10) ↓ <u>Payment in Lieu of Taxes</u> <u>Non-Exempt</u>	(see Note this page) ↓ <u>Capital and Special</u> <u>Assessments</u> <u>Non-Exempt</u>	<u>Total</u> <u>Non-Exempt</u>
	Beverly	185,255	4,384,072	21,441	115,380
Danvers	305,757	3,960,892	13,675	93,120	4,373,444
Marblehead	79,381	2,021,360	7,179	49,440	2,157,361
Peabody	351,532	7,703,083	26,862	218,940	8,300,417
Salem	187,278	4,642,904	0	116,640	4,946,822
Commonwealth of MA	4,321	44,330	161	1,080	49,891
Middleton	7,676	93,842	335	2,280	104,132
Comm of MA - Jail	10,662	92,066	295	2,760	105,783
Comm of MA - Sanatorium	0	0	0	0	0
Comm of MA - Essex Agr Sch	1,233	18,949	53	360	20,595
TOTAL	\$1,133,094	\$22,961,498	\$70,000	\$600,000	\$24,764,592

Note: The non-exempt capital and special assessments above include a special assessment of \$600,000 to support engineering and construction costs related to District asset sustainability upgrades. The \$600,000 in funding will be transferred to CPF 00 - Capital Reserve Fund. It is apportioned based on the Apportionment of Construction Costs of the Common Secondary Facilities in the Approved 2024 Cost Apportionment Study.

* COMPUTATION NOTE: Due to internal rounding, values may appear to be off by ± \$1.

**FY 2026 SOUTH ESSEX SEWERAGE DISTRICT BUDGET
EXEMPT COST APPORTIONMENT SUMMARY**

(see p.13)



(see p.10)



<u>Entity</u>	Debt Service	Labor and Expenses	Payment in Lieu of Taxes	Capital and Special	Total
	<u>Exempt</u>	<u>Exempt</u>	<u>Exempt</u>	<u>Assessments</u> <u>Exempt</u>	<u>Exempt</u>
Beverly	175,948	0	131,708	0	307,656
Danvers	50,642	0	84,002	0	134,644
Marblehead	1,065,782	0	44,102	0	1,109,884
Peabody	119,068	0	165,009	0	284,077
Salem	63,433	0	0	0	63,433
Commonwealth of MA	587	0	987	0	1,574
Middleton	1,240	0	2,055	0	3,295
Comm of MA - Jail	1,501	0	1,811	0	3,312
Comm of MA - Sanatorium	0	0	0	0	0
Comm of MA - Essex Agr Sch	196	0	326	0	522
TOTAL	\$1,478,398	0	\$430,000	0	\$1,908,398

* COMPUTATION NOTE: Due to internal rounding, values may appear to be off by ± \$1.

**FY 2026 SOUTH ESSEX SEWERAGE DISTRICT BUDGET
CALCULATION OF ENTITY ASSESSMENT PAYMENTS**

Calculation of Debt Service Payments

Calculation of Labor, Expenses, PILOT, Capital and Special Assessment Payments

Entity	(see p.15)	(see p.14)	Total Debt Service	Payment (Three times per year)	(see p.15)	(see p.14)	(see p.15)	(see p.14)	(see p.15)	(see p.14)	Total Labor, Expenses and Other Assessments	Payment (Four times per year)
	Debt Service Exempt	Debt Service Non-Exempt			Labor and Expense Exempt	Labor and Expenses Non-Exempt	PILOT Exempt	PILOT Non-Exempt	Capital and Special Assessments Exempt	Capital and Special Assessments Non-Exempt		
Beverly	175,948	185,255	361,203	120,401.00	0	4,384,072	131,708	21,441	0	115,380	4,652,601	1,163,150.22
Danvers	50,642	305,757	356,399	118,799.70	0	3,960,892	84,002	13,675	0	93,120	4,151,689	1,037,922.25
Marblehead	1,065,782	79,381	1,145,164	381,721.25	0	2,021,360	44,102	7,179	0	49,440	2,122,081	530,520.28
Peabody	119,068	351,532	470,599	156,866.50	0	7,703,083	165,009	26,862	0	218,940	8,113,894	2,028,473.49
Salem	63,433	187,278	250,711	83,570.45	0	4,642,904	0	0	0	116,640	4,759,544	1,189,885.90
Commonwealth of MA	587	4,321	4,908	1,635.97	0	44,330	987	161	0	1,080	46,558	11,639.48
Middleton	1,240	7,676	8,916	2,971.90	0	93,842	2,055	335	0	2,280	98,511	24,627.85
Comm of MA - Jail	1,501	10,662	12,163	4,054.30	0	92,066	1,811	295	0	2,760	96,931	24,232.87
Comm of MA - Sanatorium	0	0	0	0.00	0	0	0	0	0	0	0	0.00
<u>Comm of MA - Essex Agr Sch</u>	<u>196</u>	<u>1,233</u>	<u>1,429</u>	<u>476.26</u>	<u>0</u>	<u>18,949</u>	<u>326</u>	<u>53</u>	<u>0</u>	<u>360</u>	<u>19,689</u>	<u>4,922.16</u>
TOTAL	1,478,398	1,133,094	2,611,492	870,497.33	0	22,961,498	430,000	70,000	0	600,000	24,061,498	6,015,374.50

Debt Service payments are made 3 times per year (August 15, November 15, and February 15)

Labor, Expenses and other Assessment payments are made quarterly (July 15, October 15, January 15, and April 15)

* COMPUTATION NOTE: Due to internal rounding, values may appear to be off by ± \$1.

**FY 2026 SOUTH ESSEX SEWERAGE DISTRICT BUDGET
SCHEDULE OF ENTITY ASSESSMENT PAYMENTS**

<u>Entity</u>	<u>Labor and Expenses (1)</u> <u>July 15, 2025</u>	<u>Debt Service</u> <u>August 15, 2025</u>	<u>Labor and Expenses (1)</u> <u>October 15, 2025</u>	<u>Debt Service</u> <u>November 15, 2025</u>	<u>Labor and Expenses (1)</u> <u>January 15, 2026</u>	<u>Debt Service</u> <u>February 15, 2026</u>	<u>Labor and Expenses (1)</u> <u>April 15, 2026</u>	<u>Total</u>
Beverly	1,163,150.22	120,401.00	1,163,150.22	120,401.00	1,163,150.22	120,401.00	1,163,150.22	5,013,803.88
Danvers	1,037,922.25	118,799.70	1,037,922.25	118,799.70	1,037,922.25	118,799.70	1,037,922.25	4,508,088.10
Marblehead	530,520.28	381,721.25	530,520.28	381,721.25	530,520.28	381,721.25	530,520.28	3,267,244.87
Peabody	2,028,473.49	156,866.50	2,028,473.49	156,866.50	2,028,473.49	156,866.50	2,028,473.49	8,584,493.46
Salem	1,189,885.90	83,570.45	1,189,885.90	83,570.45	1,189,885.90	83,570.45	1,189,885.90	5,010,254.95
Commonwealth of MA	11,639.48	1,635.97	11,639.48	1,635.97	11,639.48	1,635.97	11,639.48	51,465.83
Middleton	24,627.85	2,971.90	24,627.85	2,971.90	24,627.85	2,971.90	24,627.85	107,427.10
Comm of MA - Jail	24,232.87	4,054.30	24,232.87	4,054.30	24,232.87	4,054.30	24,232.87	109,094.38
Comm of MA - Sanatorium	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Comm of MA - Essex Agr Sch	<u>4,922.16</u>	<u>476.26</u>	<u>4,922.16</u>	<u>476.26</u>	<u>4,922.16</u>	<u>476.26</u>	<u>4,922.16</u>	<u>21,117.42</u>
TOTAL	6,015,374.50	870,497.33	6,015,374.50	870,497.33	6,015,374.50	870,497.33	6,015,374.50	26,672,989.99

(1) Includes PILOT, Capital and Special Assessments

* COMPUTATION NOTE: Assessment values have been rounded to the nearest ± \$0.01.

FY 2026 SOUTH ESSEX SEWERAGE DISTRICT BUDGET SUMMARY

<u>Entity Assessments</u>	<u>Amount*</u>	<u>Reference</u>
Total Labor and Expenses before Estimated Revenue	\$23,311,498	Page 6
Utilization of Estimated Revenues	<u>-\$350,000</u>	Page 7
Total Labor and Expenses after Estimated Revenue	\$22,961,498	Page 7
Payment in Lieu of Taxes	\$500,000	Page 10
Non-Exempt Debt	\$1,133,094	Page 12
Exempt Debt	\$1,478,398	Page 13
<u>Capital and Special Assessments</u>	<u>\$600,000</u>	Page 14
Total Entity Assessment	\$26,672,990	Page 17
<u>Total Budget</u>		
Total Entity Assessment	\$26,672,990	
Estimated Revenue	<u>\$350,000</u>	
Total Budget	\$27,022,990	

* COMPUTATION NOTE: Due to internal rounding, values may appear to be off by ± \$1.

Final - March 26, 2025

**FY 2026 SOUTH ESSEX SEWERAGE DISTRICT BUDGET
July 1, 2025 - June 30, 2026**

To the Treasurer of the South Essex Sewerage District:

You are hereby authorized and directed to make demand upon the cities, towns and the Commonwealth of Massachusetts for the period of July 1, 2025 through June 30, 2026, in accordance with Chapter 339 of the Acts of 1925, Chapter 516 of the Acts of 1969, Chapter 643 of the Acts of 1972, and amendments thereof and additions thereto, the amounts apportioned and assessed by the Board as indicated in the above tabulations amounting in the aggregate to: **\$26,672,990.**

SOUTH ESSEX SEWERAGE BOARD:

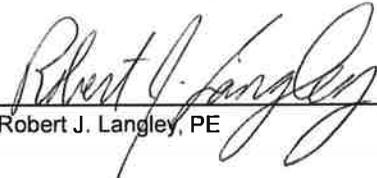

Chairman
Michael R. Parsons, PE


Director of Engineering, City of Beverly
Michael P. Collins, PE


Representative of the Town of Danvers
Stephen M. King, Jr., PE


Representative of the Town of Marblehead
Amy S. McHugh


City Engineer, City of Salem
Deborah L. Duhamel, PE


Director of Engineering, City of Peabody
Robert J. Langley, PE



SESD

Wastewater Treatment
For a Cleaner Environment



Annual Report

2024



SESD

Wastewater Treatment
For a Cleaner Environment

Annual Report 2024

Welcome

Board Members

Michael R. Parsons, P.E. | Chairman

Michael P. Collins, P.E. | Director of Engineering, City of Beverly

Stephen M. King Jr., P.E. | Representative of the Town of Danvers

Amy S. McHugh | Representative of the Town of Marblehead

Robert J. Langley, P.E. | Director of Engineering, City of Peabody

Deborah L. Duhamel, P.E. | City Engineer, City of Salem



SESD | We Keep the Environment Clean
Providing Wastewater Management & Treatment Services Since 1925

Proper wastewater treatment protects where you live, work, and play.

Water flushed or sent down the drain in homes, businesses, and commercial buildings must be cleaned. If not properly treated, the chemicals, human waste, and other contaminants end up in our waterways. At SESD, we serve local municipal sewer departments by collecting and treating wastewater containing contaminants.

In support of this essential community service, we:

PROCESS

25

**Million Gallons of
Wastewater a Day**

MAINTAIN

29

**Miles of Interceptor &
Force Main Pipes**

SERVE

190k

**Residents &
Businesses**



SESD

Wastewater Treatment
For a Cleaner Environment

Annual Report 2024

*A Report from the
Executive Director*

This South Essex Sewerage District (SESD) Annual Report for 2024 highlights some of the key efforts and activities that the District focused on last year. The year began in an emergency situation as a large diameter critical conveyance pipe beneath the foundation of our Operations building failed, and partially treated wastewater was literally flooding our basement. The pipe was quickly taken offline, but during January and February of last year, all hands were on deck to repair the pipe, and three other adjacent pipes of similar age and in risk of failure. With a change order and \$4.4 million in emergency funding from the Massachusetts State Revolving Loan Fund, these critical pipes were repaired and all back in service by March of 2024.

My focus for the remainder of the year has been planning how to address the next 20 years of need at SESD. Efforts have included preparation of a Facilities Plan for the Wastewater Treatment Plant and preparation of a Capital Improvement Plan for SESD's collection system. These two planning documents are being integrated into a District-wide CIP and associated Financing Plan, which together we are calling the Centennial Plan, named in recognition of the 100-year anniversary of the Acts of 1925 that formed the District. This Plan will identify the necessary work, phasing plan and financing approach that we can implement. We have also created a new website and logo and enhanced outreach to the public and with public officials – all to communicate the criticality of what we do here and our role in preserving public health and water quality. With our new logo and tag line of “Wastewater Treatment for a Cleaner Environment,” we are stressing what we do matters, and that we need financial resources to progress our mission.

The pipe failure noted above is a clear example of why investment into our facilities is so important. Much of our treatment equipment is approaching 30 years old, and some of our significant conveyance pipes are over 100 years old. We do a good job keeping the equipment maintained and operational, but it is necessary to have a plan to continue to assess and renew our treatment facilities and pipes.

The District is subject to Proposition 2 ½, limiting our annual budget increase to 2.5%. With recent significant price increases for treatment chemicals, labor, and insurance; an upcoming projected 40% increase in residuals disposal costs due to PFAS; and the need to fund the Centennial Plan, it is not possible to fund the ongoing operations and required upgrades beneath this 2.5% threshold.

In 2025, the goal is to complete the Centennial Plan, finalize a path forward to implement it, and develop a solution to make the necessary investments to sustain our operations given our current limitations under Proposition 2 ½. All of us at SESD work hard to keep the environment clean and serve our Member Communities while positioning the District for a sustainable future.

A handwritten signature in blue ink, appearing to read "David Michelsen".

David Michelsen, P.E.
Executive Director



SESD

Wastewater Treatment
For a Cleaner Environment

Annual Report 2024

*Our
History*

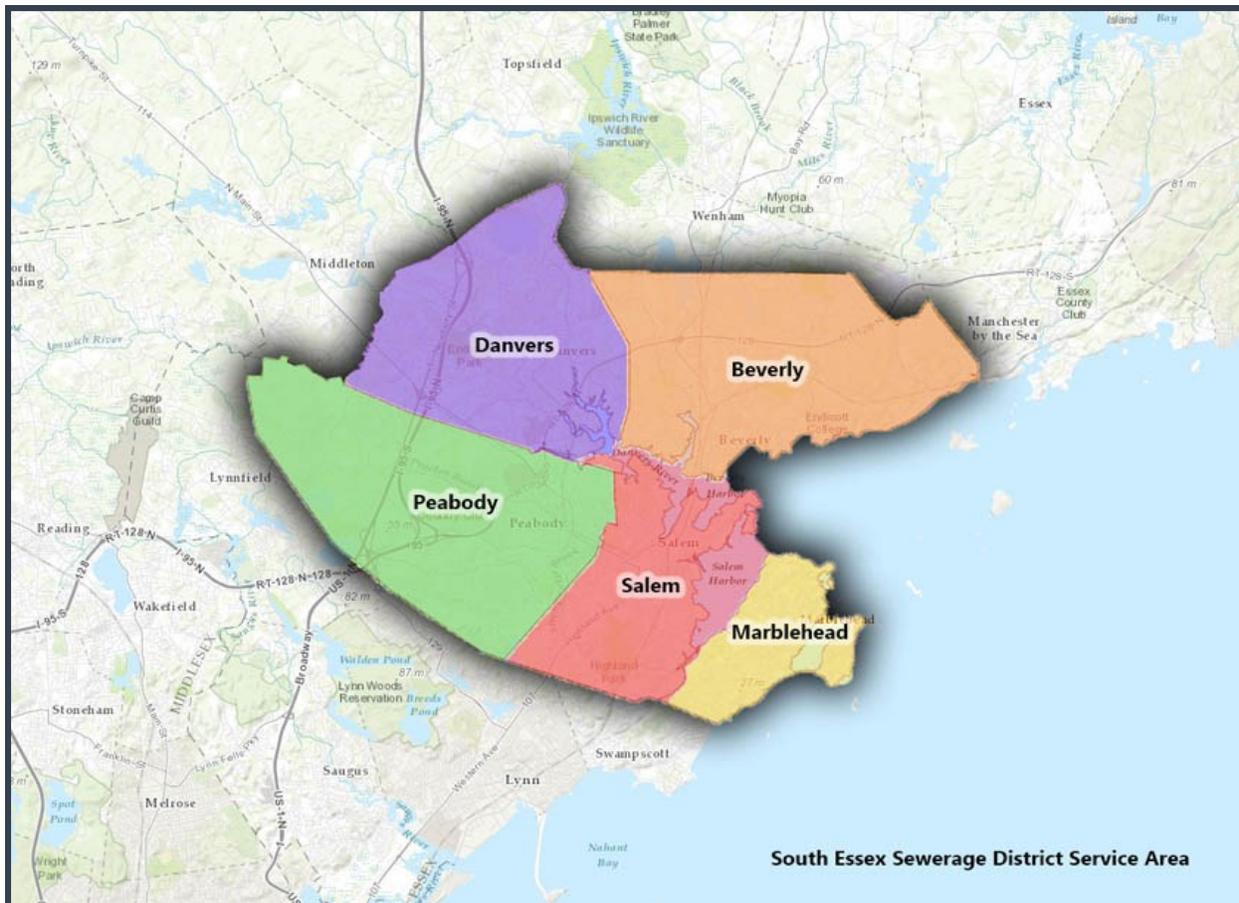
100 Years of Wastewater Experience and Innovation

SESD was established in 1925 to build, maintain, and operate a sewerage system to collect, convey, treat, and dispose of residential, commercial, and industrial wastewater.

Our wastewater collection and conveyance system includes 29 miles of interceptor and force main pipelines, pumping stations, and associated metering and sampling facilities. In addition to homes and businesses, we serve approximately twenty significant industrial users (SIUs) that discharge to the sewer system.

SESD does not directly bill individual users. We annually assess costs to each municipal member based on their use of our treatment facility. So each community only pays for the cost of meeting their wastewater treatment needs.

SESD is governed by a six-member Board representing our member communities who set policy and oversee the management of a staff of sixty employees.





SESD

Wastewater Treatment
For a Cleaner Environment

Annual Report 2024

Community
Outreach



This year, the National Association of Clean Water Agencies (NACWA) held their National Environmental Achievement Awards ceremony during their winter conference. At the awards ceremony and reception on January 29, 2025, our Executive Assistant, Executive Director, Manager of Administration & Finance, Engineers, and Superintendents at SESD, along with our branding agency, Mayo Designs, were awarded the **Public Information & Education E-Media Award** for our updated website and logo. The Public Information & Education Award honors agencies across the nation for their inventive efforts to educate the public on the effects of wastewater treatment and pollution control on the environment.

The New England Water Environment Association (NEWEA) Annual Conference was held at Boston Marriott Copley Place in downtown Boston, MA. At the awards ceremony luncheon on January 29, 2025, our Executive Director, David Michelsen, received the prestigious **Elizabeth A. Cutone Executive Leadership Award**. The Award is given annually to an individual who has demonstrated key executive leadership of a water, wastewater or other environmentally focused organization and through that person’s leadership made significant advances in one or more elements of the Award criteria.



In partnership with Greenscapes North Shore Coalition’s “Keeping Water Clean” program, SESD is coming to an Elementary or Middle School near you to demonstrate the effects of non-flushables on our sewer pipes and treatment facility. Things like food, oil, wipes, etc. should never be flushed or drained down sinks or pipes - these cause nasty clogs and damage equipment that costs ratepayers more money in water and sewer fees to cover the repairs. **Only flush the Four P’s!**

Learn more at <https://www.sesd.com/for-the-community/preventing-backups/>

Did You Know?

Our new logo has five blue hues surrounding the water droplet which symbolize our wastewater treatment service area of Beverly, Danvers, Marblehead, Peabody, and Salem.



SESD

Wastewater Treatment
For a Cleaner Environment

Annual Report 2024

*Division 2: Engineering
Project Highlights*

The **Engineering Department** consists of three full-time positions including the District Engineer, Project Manager, and Environmental Health and Safety Coordinator. Engineering is responsible for providing technical support to the other divisions and overseeing SESD's engineering studies and capital projects.

In 2024 the Engineering staff were responsible for three (3) capital construction projects and four (4) studies for a total of approximately \$10.7 million of new work under study and construction. Several of the projects are highlighted below:

Contract No. 18-1: Primary Clarifier Concrete Restoration

This project is wrapping up with final completion expected in March 2025. Deteriorated concrete was restored in all seven of the primary clarifiers; clarifier chains and flights have been replaced and the clarifiers have been re-commissioned. This project was funded by a loan from the Massachusetts State Revolving Fund program. The overall cost of these capital improvements will be approximately \$17.4 million dollars.

Wastewater Facilities Management Plan

The Wastewater Facilities Management Plan was undertaken to establish a road map for facilities upgrade activities to be incorporated into SESD's Centennial Plan. The facilities plan is approximately 95% complete and the recommendations are integrated into a 20-year plan that prioritizes needs and establishes approximately 57 projects in four phases. The financial analysis is currently underway including the development of projected capital and operating costs. The Wastewater Facilities Management Plan should be completed in May 2025.

Contract 22-1: Plant Water System Replacement Project

The new plant water system replaces the original plant water system that has been in service since the secondary treatment system was constructed in 1998. The new system, seen left, includes five (5) pumps with variable speed drives, an automatic backwash strainer, process piping upgrades and new controls. Construction is nearing completion, and the pumps are currently being commissioned with a final completion date in April 2025. The overall project cost is \$2,337,000 with a \$200,000 grant being provided by the MassDEP Clean Energy Program.





Contract 23-1: Danvers Pump Station Standby Generator Replacement Project

The Danvers Pumping Station's standby generator is being replaced since it has reached the end of its useful life. The project includes a new standby diesel generator, automatic transfer switch and controls. The design, permitting and bid and award have been completed, and the contractor has completed most of the required submittals. The construction cost is approximately \$628,000. The construction is anticipated to be completed in August 2025.

Collection System Capital Improvement Plan

SESD has contracted with an engineering consultant to prepare a Capital Improvement Plan (CIP) for the District's collection system infrastructure. The purpose of the plan is to identify, prioritize, and develop costs for replacing and rehabilitating collection system assets. The recommendations from three separate investigations will be included in the CIP. The three investigations include the Danvers/Beverly Force Main Condition Assessment, Water Street Interceptor Condition Assessment and the Peabody/Salem Interceptor Condition Assessment. The overall Collection System CIP includes 13 projects that have been prioritized into four phases based on criticality and consequence of failure. Planning-level capital costs have been estimated for each project. When complete, the Collection System Capital Improvement Plan will be integrated into SESD's Centennial Plan.

Three of the high priority projects include:

- Bass River Siphon Chambers Rehabilitation
- Beverly Harbor Crossing Force Main Replacement
- Marblehead Force Main (Landward Portion) Replacement





The **Laboratory and Monitoring/Enforcement Department** consists of six full-time positions: Supervisor, Industrial Pre-Treatment Inspector, Pre-Treatment Technician, Chief Lab Technician, Senior Lab Analyst, and Lab Technician. Laboratory personnel collect samples throughout the plant and receive samples from the Operations and Monitoring/Enforcement departments. Analyzed results are used to control the treatment process and to verify that the plant is performing to meet our Federal and State discharge permit requirements and assure our discharge does not negatively impact the water quality of Salem Sound.

Industrial Users

SESD permits 27 industrial users: 21 of these are Significant Industrial Users (SIU) and 6 are General Permitted Industries who are required to comply with our pre-treatment guidelines. Personnel in the Monitoring/Enforcement Department inspect and enforce restrictions on all industrial dischargers in our service area. We currently maintain 490 industries in our database.

During the calendar year 2024, 647 Industrial inspections were conducted. There were 143 miscellaneous industries inspected, consisting of five year inspections, permit renewals, new industries, as well as 483 pH spot checks, and 21 SIU annual inspections.

After incorporating public comments, changes proposed to SESD’s Sewer Use Regulations were approved by the EPA and SESD Board in May 2023. As of December 2024, all 27 industrial users have received new permits with updated local limits and new Sewer Use Regulations. Learn more at <https://www.sesd.com/what-we-do/industrial-pretreatment-permitting/>

Testing Performed in 2024

<u>Description</u>	<u>Estimated # of Tests</u>
1. pH	3,800
2. Settleable Solids <i>(Three locations in plant)</i>	1,000
3. Settled Sludge Volume <i>(Aeration Tanks)</i>	800
4. Dissolved Oxygen	1,200
5. Temperature	500
6. Chlorine Residual <i>(Three locations in plant)</i>	2,200
7. Bacteria <i>(Fecal Coliform, Enterococci)</i>	3,650
8. Total Solids <i>(Process grab samples)</i>	1,300
9. Total Suspended Solids <i>(Process grab samples)</i>	2,400
10. Total Suspended Solids <i>(Community, Process & Industry samples)</i>	2,400
11. Biochemical Oxygen Demand <i>(Community, Process & Industry samples)</i>	2,000



Protecting Beaches and Waterways

SESD’s effluent discharge is governed by a permit issued by the USEPA under the Clean Water Act (CWA) known as a National Pollutant Discharge Elimination System (NPDES). The permit contains limits on the quantity and quality of the water SESD can discharge, monitoring and reporting requirements, and other provisions to ensure that the discharge does not impair water quality or people's health. It provides a standard for how SESD should operate to maintain a safe discharge to protect the water quality of Salem Sound.

The **Operations Division** consists of twenty-four full-time positions, twenty of whom are professionally licensed wastewater treatment Operators. The staff ensure 24-hour, 365 days of safe operation of our secure wastewater treatment facility.

- Superintendent of Operations (Grade 7)
- Assistant Superintendent of Operations (Grade 7)
- 6 Chief Operators (Grade 7)
- 12 Operators (Grade 4+)
- 4 Operator’s Assistants

In 2024, 37.5 inches of rain fell, 40% of which was in January and March. SESD treated 8.95 billion gallons of wastewater flow, an average of 24.5 million gallons of flow per day, resulting in a 15% decrease in flow from last year. Operations concentrated its focus on process equipment and tank rotation for construction projects and optimization of sludge processing equipment to reduce the amount of residuals generated for disposal.

Learn more at <https://www.sesd.com/what-we-do/wastewater-treatment/>

Plant Performance Report - 2024

Influent TSS	231 mg/l	Average Per Day
Influent BOD	178 mg/l	Average Per Day
Effluent TSS	19 mg/l	Average Per Day
Effluent BOD	12 mg/l	Average Per Day
Effluent Flow	24.5	Million Gallons Per Day
Effluent Flow	8.95	Billion Gallons Total in 2024
Fecal Coliform	13 CFU / 100 ml	Average Per Day
Enterococci	13 Colonies / 100 ml	Average Per Day
Chlorine Residual	0.02 mg/l	Average Per Day
Sludge Daily	78.6 Tons	Average Per Day
Sludge Total	28,796	Tons in 2024



The **Maintenance Division** consists of twenty-two full-time positions:

- Superintendent of Maintenance
- Asst. Superintendent of Maintenance
- Scheduler, Planner, CMMS Administrator
- 2 Instrumentation/Electrical Specialists
- Lead Instrumentation/Electrical Technician
- Instrumentation/Electrical Technician
- Inventory Control Clerk
- Facilities Foreman
- HVAC Mechanical Technician
- Master Mechanic
- 3 Lead Mechanics
- 3 Mechanics
- Mechanic/Machinist
- Mechanic/Equipment Operator
- Mechanic Helper
- Maintenance Equipment Operator
- Maintenance Helper

These projects were accomplished using our own labor force , resulting in significant cost savings for SESD.

Collection System Improvements

- Completed an entire overhaul of the Danvers No. 2 Sewage Pump.
- Purchased and installed new Variable Frequency Drives for Beverly Pump Station No. 3 Sewage Pump.
- Purchased and installed new Variable Frequency Drives for Peabody/Salem Influent Pump Station No. 1 and No. 2 Sewage Pumps.
- Completed an overhaul of the Beverly Pump Station No. 1 Climber Screen Motor and Brake System.
- Installed new Control Air Compressors at the Beverly Pump Station.
- Installed new Control Air Compressors at the Marblehead Pump Station.

Sludge Processing & Treatment Improvements

- Refurbished Primary Settling Tank Mechanical Equipment in conjunction with Primary Clarifier Restoration Capital Improvement Project.
- Purchased and installed a new Variable Frequency Drive for the Odor A No. 3 Carbon Fan.
- Completed a complete rehabilitation of the Odor C No. 3 Fan and Motor (see photo).
- Completed the 36,000 Hour Maintenance for the Combined Heat and Power (CHP) Engine.
- Removed and refurbished several 480 volt breakers from SESD Switchgear as an ongoing plant-wide improvement.
- Purchased and installed new LED Lighting Fixtures throughout all facilities for energy savings, better visibility and bulb longevity.

**Odor C No. 3 Fan
Rehabilitation Project**





SESD

Wastewater Treatment
For a Cleaner Environment

Annual Report 2024

*Division 1: Administration
& Finance*

The Division consists of four full-time positions and one part-time position:

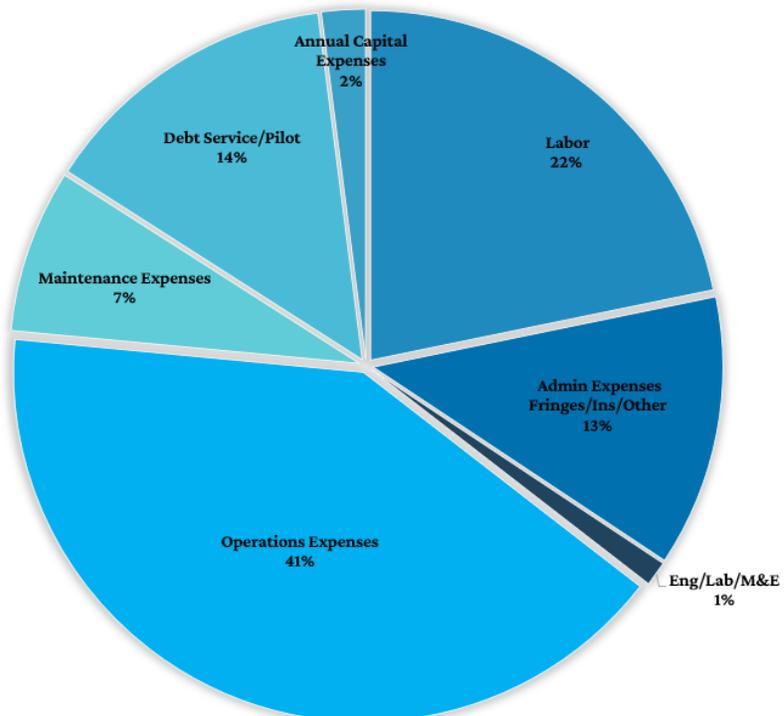
- Executive Director
- Manager of Administration and Finance (District Treasurer)
- Executive Assistant/Outreach Coordinator
- Staff Accountant (District Clerk)
- Part-Time Accounting Assistant

SESD's **Administration and Finance Division** is responsible for the administration, finance and overall operational direction of SESD. The division formulates and administers policies and procedures concerning all SESD functions. It also prepares the annual budget and member entity assessments based on their portion of flows and loads to SESD's treatment plant. The SESD Board is responsible

for reviewing and approving each fiscal year budget. A complete review of SESD's fiscal year financial performance may be found in SESD's Audited Financial Statements and Treasurer's Report. Some FY 2024 highlights include:

- Assets exceeded liabilities by \$171.2 million representing a decrease of \$1.9 million from FY 2023. The largest portion of the net position, \$169.8 million, reflects SESD's investment in capital assets (excluding debt), such as the treatment plant.
- From FY 2011 through FY 2024, SESD appropriated \$19.95 million for the Capital Improvement Program as part of its annual budgets.

- FY 2024 member community assessments totaled \$26,631,442 representing an increase of 1.85% from the FY 2023 budgeted amount of \$26,147,567.
- The Operations Division accounts for the majority of the fiscal operating budget as it is responsible for power, fuel, chemical, and residuals disposal expenditures.





SESD

Wastewater Treatment
For a Cleaner Environment

P.O. Box 989 | 50 Fort Avenue

Salem, MA 01970

(978) 744-4550

www.sesd.com

Annual Report - 2024