

As voted by the Board of Trustees and in accordance with the notice of the meeting, a special meeting of the Board of Trustees and the monthly Workshop Meeting of the Board of Trustees of the Portland Water District were held in the Nixon Training Center at the general offices of the District, 225 Douglass Street, Portland, Maine, and via Zoom, on Monday, November 13, 2023. In attendance from staff were S. Garrison, C. Crovo, D. Kane, S. Firmin, J. Wallace, G. Johnson, D. Katsiaficas, C. Cote, and M. Demers.

All Trustees were present except Trustee Shattuck-Heidorn.

President Lunt convened the Public Hearing at 6:32 p.m.

Special Meeting

A Public Hearing was held to receive public input on the proposed average 6.4% increase in water rates effective January 1, 2024.

Mr. Garrison's remarks to the public and the Board are noted on the attached PowerPoint presentation.

President Lunt asked if there were any questions from the public. There were no members of the public present or online.

The District did receive two emails regarding the proposed rate increase. These customers had questions that were answered by District staff.

Trustee McCann motioned to close the public hearing, with a second from Trustee Cote. Voted all in favor.

The Public Hearing was closed at 6:45 p.m.

President Lunt opened the workshop meeting at 6:46 p.m.

1. 2024-2028 Capital Improvement

Chris Crovo, Director of Asset Management and Planning, presented the proposed Capital Improvement Plan (CIP) that shows planned asset investments. He provided a PowerPoint presentation to the Board which is attached as part of the minutes.

Mr. Crovo described the CIP process for 2024. PWD has a 5-year CIP plan. He reviewed the 2024 proposed projects.

The 2024 Capital Plan is estimated to be \$48.6 million dollars. With the North Windham Wastewater Project and the East End Wastewater Treatment Facility and pump station upgrades totaling roughly 30 million.

Trustees discussed the proposed budget and questions were answered by staff.

2. Other Business

Mr. Garrison directed the Trustees to the copy of the Association of Metropolitan Water Agencies 2023 Awards in their table packets. Portland Water District received the prestigious Sustainable Water Utility Management Award.

The Water Bottle Filling Station Grant Committee will be meeting at the December workshop. Mr. Garrison asked if any Trustee was interested in being on the committee to let him know. Trustee Crockett expressed interest in being on the committee.

The proposed 2024 meeting schedule was handed out. This will be voted on at the November business meeting.

3. Executive Session

Pursuant to 1 M.R.S. §405(6)(A) personnel, the Board went into Executive Session to conduct the General Manager's annual performance review.

Trustee Siviski motioned to go into Executive Session, pursuant to 1 M.R.S. §405(6)(A) personnel with a second from Trustee Willett. Voted all in favor.


Trustee Levinsky motioned to come out of the Executive Session, with a second from Trustee Siviski. Voted all in favor.

4. Adjourn

The meeting was adjourned at 8:11 p.m.


Submitted by,


Carrie E. Cote
Assistant Clerk


Portland Water District
From Sebago Lake to Orono Bay


Water Rate Adjustment Public Hearing

November 13, 2023




Portland Water District
From Sebago Lake to Orono Bay

Who is Portland Water District?




- Quasi-municipal, independent, non-profit
- Serve water to 11 communities, +210,000 people
- Serve wastewater to 6 communities
- 189 employees
- \$60.1 million annual budget
- \$578 million in assets


Portland Water District
From Sebago Lake to Orono Bay

What is our Mission?



To protect public health, safety, and the environment by providing customers with high-quality, reliable and affordable water services


Portland Water District
From Sebago Lake to Orono Bay

Proposed Rate Adjustment

Increase revenues by average 6.4% = \$ 1,851,280

Impacts to customers:

- Typical residential customer = **\$1.52/month**
- Typical commercial customer = **\$6.37/month**
- Typical industrial customer = **\$162.82/month**



Portland Water District
From Sebago Lake to Orono Bay

What will we do with the Revenue?


Protect Sebago Lake



- Inspections
- Education
- Land acquisition and preservation
- Protection
- Conservation



Portland Water District
From Sebago Lake to Orono Bay

What will we do with the Revenue?



Treat, pump and distribute water for drinking and fire protection

What will we do with the Revenue?



Maintain Water System
Ensure Water Quality

What will we do with the Revenue?



Reinvest in Infrastructure

Wastewater Treatment

(not part of Water Rate Adjustment)



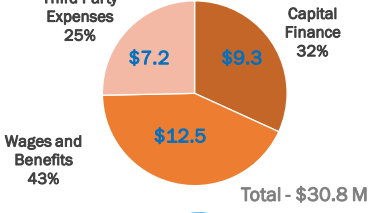
- Protects rivers and Casco Bay
- Unique community partnerships
- 4 treatment facilities
- 120 miles of wastewater pipe
- 77 pumping stations
- Industrial pre-treatment program

How Was the Adjustment Determined?

PWD took these factors into account.

- How much revenue is needed to operate?
- How much water will customers use?

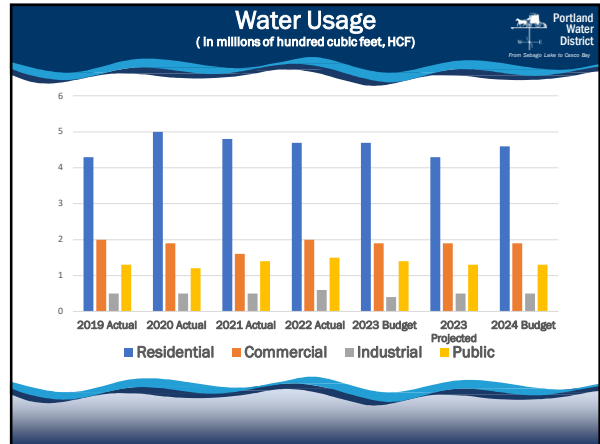
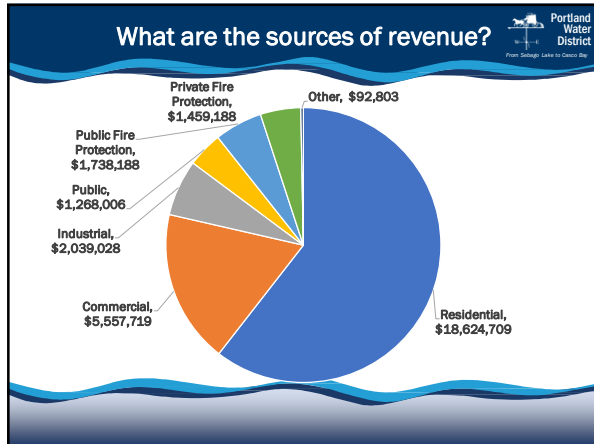
How much revenue do we need to operate?



Total - \$30.8 M

2024 Water Capital Projects

Distribution system		\$11,250,000
• Water mains	\$9,400,000	
• Valves	\$200,000	
• Services	\$600,000	
• Hydrants	\$200,000	
• Windham Pump	\$850,000	
Sebago Lake Water Treatment Facility		\$910,000
• Roof	\$660,000	
• Intake Screen	\$250,000	
SCADA and Instrumentation, Facilities and Other		\$1,200,000



How are rates designed?

For individual customers, in general:

- Fixed minimum charge based on meter size, plus variable charge based on amount of water used
- Private fire protection (sprinklers) based on size of service line

How are rates designed?

For communities, in general:

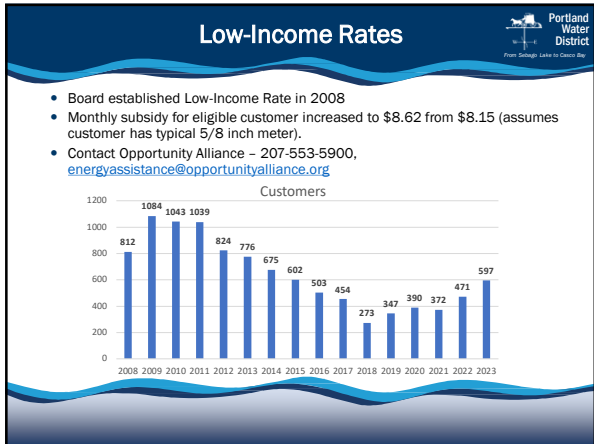
Fire protection charge based on hydrants and mains


What rate increase is requested?

Customer Class	Percent Change	Monthly Change
Residential	5.9 %	\$ 1.52
Commercial	7.3 %	\$ 6.37
Industrial	9.0 %	\$ 162.82
Government	8.4%	\$18.62
Private fire protection	5.7%	\$ 2.38
Public fire protection	5.7%	
Overall	6.4 %	

What is the monthly impact to customers?

	Residential 5/8" meter Usage of 7 HCF		Industrial 2" meter Usage of 1,300 HCF	
	Before rate increase	After rate increase	Before rate increase	After rate increase
Minimum charge	\$ 10.87	\$ 11.49	\$ 44.23	\$ 52.90
Usage Charge	\$ 16.32	\$ 17.22	\$2,130.58	\$2,284.73
Total	\$ 27.19	\$ 28.71	\$ 2,174.81	\$ 2,337.63
Dollar increase	\$ 1.52		\$ 162.82	



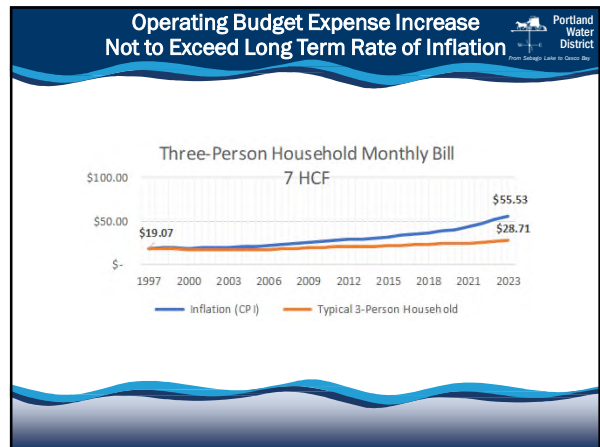
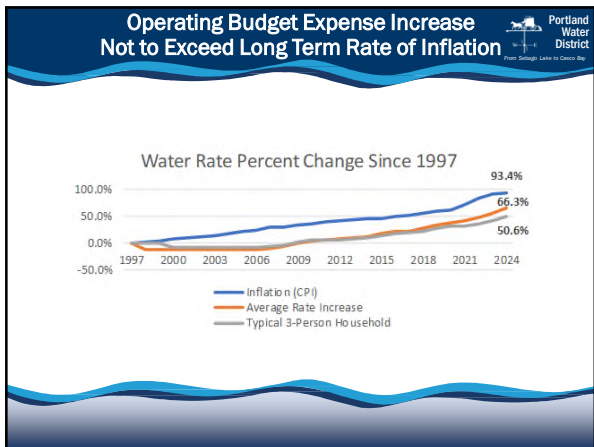
- ### Summary
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Portland Water District
From Savings. Laid to Good Use.
- Typical residential increase is \$1.52 per month.
 - The additional revenue will largely be directed to water main renewal projects.
 - Without the 6.4% increase, a deficit of \$1,851,000 is projected for 2024.
 - With the increase, expenses will be met and an additional \$543,000 will be allocated to the water main capital fund.

- ### For more information
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Portland Water District
From Savings. Laid to Good Use.
- <https://www.pwd.org/water-rate-adjustment>
 - Call Customer Service 207-761-8310
 - Email customerservice@pwd.org

Questions and Comments



Water Rates Affordability

Portland Water District
From Savings. Lead to Clean Air.

Water

Household Income	Value	Annual Bill as Percentage of Household Income by Household Size									
		HCF									
		2	3	4	5	6	7	8	9	10	11
20th Percentile	\$ 17,300	0.91%	1.49%	1.82%	2.36%	2.78%	3.09%	3.64%	4.00%	4.54%	
40th Percentile	\$ 37,200	0.42%	0.67%	0.84%	1.09%	1.25%	1.42%	1.67%	1.84%	2.09%	
Median	\$ 48,300	0.32%	0.52%	0.64%	0.84%	0.97%	1.09%	1.29%	1.42%	1.62%	
60th Percentile	\$ 61,000	0.29%	0.41%	0.51%	0.68%	0.78%	0.87%	1.02%	1.12%	1.27%	
80th Percentile	\$ 99,400	0.18%	0.29%	0.31%	0.41%	0.47%	0.53%	0.63%	0.69%	0.78%	

Water Rates Adjustment - Typical Customer Impact

Portland Water District
From Savings. Lead to Clean Air.

		Current Monthly	Proposed Monthly	\$	%
Residential	.82" meter, 7 HCF	\$27.19	\$28.88	\$1.69	6.22%
Commercial	.82" meter, 40 HCF	\$114.85	\$122.05	\$7.20	6.27%
Small Industrial	2" meter, 1,300 HCF	\$2,174.81	\$2,352.57	\$177.76	8.17%
Large Industrial	8" meter, 56,000 HCF	\$70,327.11	\$77,139.45	\$6,812.34	9.69%
Sprinkler (per year)	6" meter	\$507.84	\$543.39	\$ 35.55	7.0%
Public Fire (per year)		\$1,660,428	\$1,776,658	\$116,230	7.0%
Seasonal (per year)	.82" meter	\$316.76	\$338.93	\$22.17	7.0%

Water Rates – Proposed Change

Portland Water District
From Savings. Lead to Clean Air.

Illustration of Annual Adjustment Change Assuming a general rate increase of 6%:


Variable Component:				Fixed Component:			
Number of HCF	Current	Traditional	Proposed	Meter Size	Current	Traditional	Proposed
1 - 29	\$ 2.72	\$ 2.88	\$ 2.88	5/8	\$ 10.87	\$ 11.52	\$ 11.52
		6%	0%	3/4	12.81	13.56	13.56
			0%	1	16.83	17.83	17.83
30 - 100	\$ 2.51	\$ 2.74	\$ 2.68	1 1/2	29.54	31.31	31.31
		9%	6%	2	44.23	48.21	54.07
			0%	3	80.20	87.48	98.13
100 - 500	\$ 2.21	\$ 2.41	\$ 2.34	4	120.81	131.08	147.68
		10%	7%	6	233.42	254.43	285.36
			0%	8	388.53	431.70	490.53
Greater Than 500	\$ 1.24	\$ 1.35	\$ 1.35	10	533.81	581.83	652.34
		9%	0%	12	706.37	769.84	863.54

Portland Water District
From Seaburg Lake to Chico Bay

2024 Proposed Capital Improvement Plan - 5 year plan

(Pages 289-364)

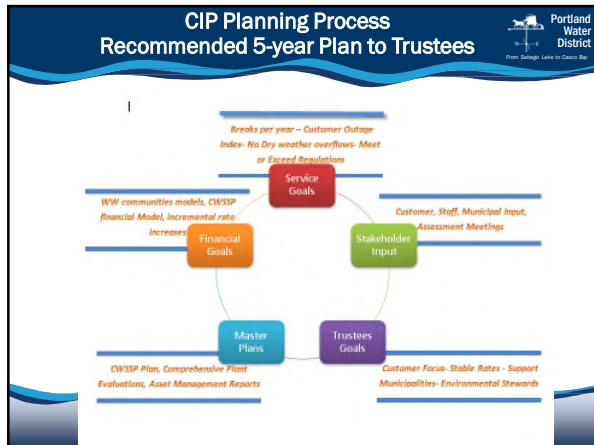
November 13, 2023



Portland Water District
From Seaburg Lake to Chico Bay

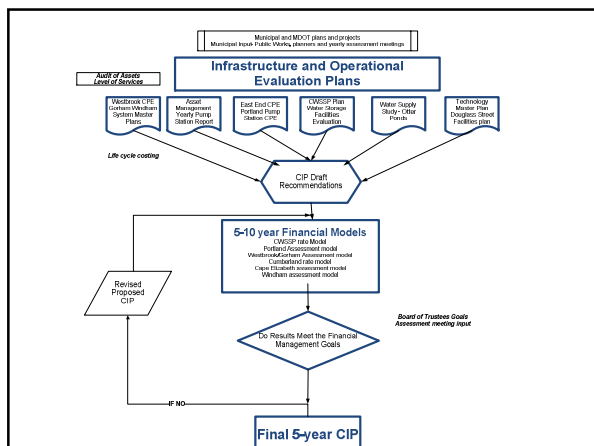
CIP Presentation

- CIP Process
- CIP Challenges
- Review 2024 proposed projects
- Funding



Goal: Capital Budget Continues the Implementation of Water/Wastewater Plans

<p style="text-align: center;">Water</p> <ul style="list-style-type: none"> • Renewal of water mains, services, meters and hydrants • Comprehensive Infrastructure Asset Management Plan • Facilities and security • Vehicles and equipment • Technology & SCADA 	<p style="text-align: center;">Wastewater</p> <ul style="list-style-type: none"> • Biosolids Master Plan • Pump station upgrades • Continuation of treatment plant projects
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Infrastructure and Operational Evaluation Plans

Proposed 2024 Capital Plan

PROGRAMS	Proposed 2024
Comprehensive Planning	\$1,000,000
SCADA and Technology	\$405,000
Vehicle and Equipment	400,000
Wastewater Collection and Pumping	\$5,770,000
Wastewater Treatment Facilities	\$16,455,000
• North Windham WW System	\$10,000,000
Water Distribution System Upgrades	11,375,000
Water Facilities Programs	3,185,000
Water Supply- Sebago Lake and Steep Falls	\$25,000
TOTAL CIP	\$48,615,000

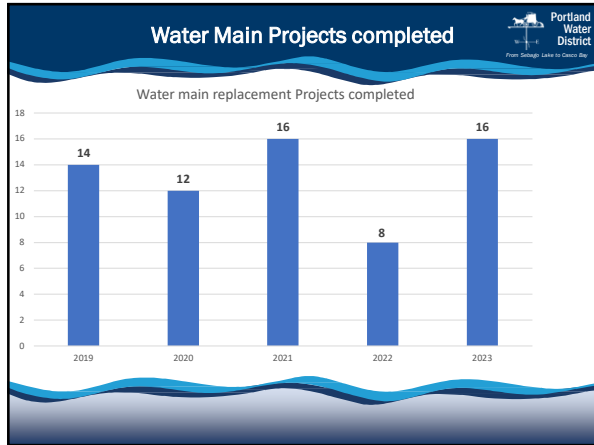
CIP Challenges and planning

Supply chain issues – pre-procurement
 Cost of Materials
 Lack of Trades availability
 Employee shortages
 Bidding vs negotiation
 Consultants experience levels
 Meters and ERTs
 Valve boxes
 Electrical – Transformers/Generators
Project delays ,time extensions, costs

Pipe delays 4-12 weeks

Pipe delays Iron Pipe Ductile
 "planned 40-50 weeks"

Cost of pipe
 16" Ductile
 2019: \$47
 2022: \$102



Comprehensive Planning

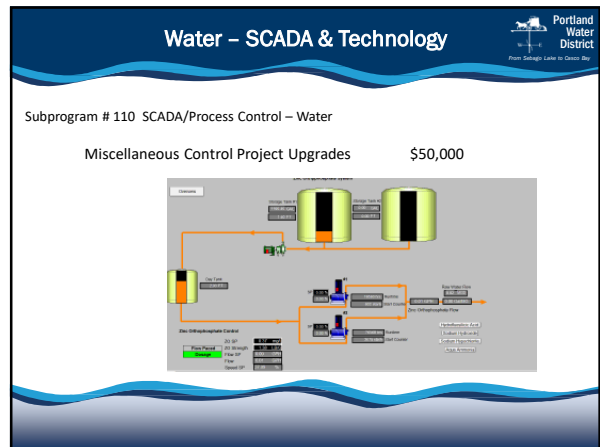
- Comprehensive Infrastructure Asset Management Plan \$400,000
- WW Force main condition assessment – Portland \$300,000
- Westbrook Gorham Windham treatment Plant Capacity Study \$300,000

CWSSP – August 2003

- Five priorities developed:
 - Priority One (2003-2010)
 - Priority Two (2011-2015)
 - Priority Three (2016-2020)
 - Priority Four (2021-2025)
 - Priority Five (after 2025)

Water- pages 297 to 321

Water	\$13,360,000
SCADA & Technology	\$50,000
Water Distribution System	\$10,875,000
Water Facilities Program	\$2,410,000
Water Supply	\$25,000



Water - Distribution System

Portland Water District
From Sebago Lake to Green Bay

Upgrade Obsolete Facility

# 43 Water Main Replacement	\$9,400,000
# 56 Water Main Replacement (Seasonal)	\$25,000
# 53 Water Valve Replacements	\$200,000
# 61 Water Services -Renew Domestic & Fire	\$600,000
*LCRR compliance Phase 1 inventory of Services	\$400,000 (\$220,000 grant)
# 65 Water Hydrant Replacement	\$200,000

System Improvements

# 408 Water System Redundancy & Upsizing	\$50,000
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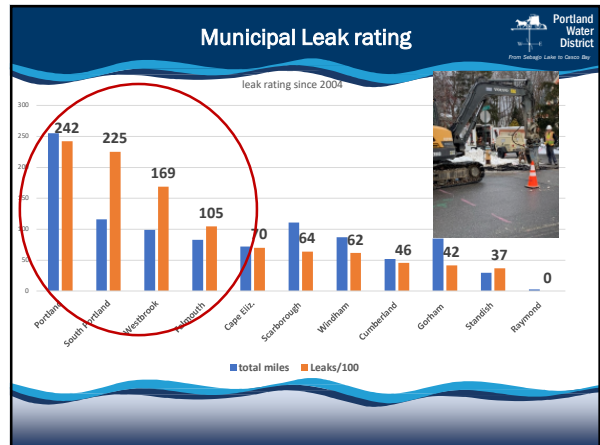
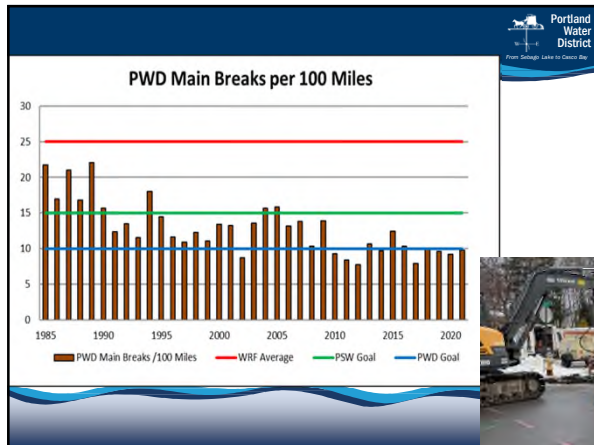
Previous CIPs projects – delayed bidding

#307 Gorham Windham 407 Zone Improvements(2022)	\$2,100,000
Windham Center tank (2021)	\$5,500,000

2024- Proposed Water Main Projects

Portland Water District
From Sebago Lake to Green Bay

PROJECT	MUNICIPALITY	PROJECT INFORMATION		
		Total Length	CIP est. Budget	Reason for project
Falmouth & Winn	Falmouth	1150	\$700,000	multiple leaks
Providence Street	Portland	1940	\$1,200,000	multiple leaks
Center Street	Portland	800	\$500,000	Portland CSO project
Valle, Olympia, Helene	Portland	920	\$600,000	multiple leaks
Libby & Forest	Westbrook	1120	\$700,000	multiple leaks
Elm Street	Portland	800	\$500,000	multiple leaks
	Portland	1400		
Nasons Corner, Dennett,	Portland	570	\$1,600,000	multiple leaks
Dorsett, Kent	Portland	640		
Market & Hannaford	South Portland	800	\$500,000	multiple leaks
Operations projects	various	1200	\$700,000	
Lead Copper SRF projects	various	4000	\$2,400,000	These project depends on SRF grant funding
TOTAL (2024)		15350	\$9,400,000	

Water Facilities Program

Portland Water District
From Sebago Lake to Green Bay

Subprogram # 122 Water Facilities Renewal and Replacement

Water Facilities R&R	\$250,000
SLWTF Roof Replacement	\$660,000
Windham Pump Upgrade	\$850,000
Throttling Valves Rehab	\$350,000

Subprogram #203 Water Storage Facility Maintenance and Upgrade

Water Tank Maintenance	\$50,000
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Water Facilities Program

Portland Water District
From Sebago Lake to Green Bay

Subprogram # 18 Sebago Lake Intake Screens

Intake Screening replacement design \$250,000



1) Image of a Typical Thru-Flow Traveling Water Screen



Hazen
Sebago Lake WTF Intake Screening Improvements
Final Preliminary Design Report
April 16, 2018

Portland Water District
From Seaside, Lake to Ocean Bay

Water System Security page 321

Subprogram # 46 Water System Security
Water System Security Improvements \$25,000





Portland Water District
From Seaside, Lake to Ocean Bay


Cape Elizabeth pgs. 322 -326

Cape Elizabeth Wastewater \$320,000

- Collection & Pumping \$95,000
- Treatment \$225,000

Treatment:
Cape South 520,000 gallons/ day
Cape North 750,000 gallons/day
(by South Portland's plant)

Collection System: 27 PS with 18.8 miles of pipe




Portland Water District
From Seaside, Lake to Ocean Bay

Cape Elizabeth

Subprogram # 52 Cape Elizabeth Pump Stations

Peabbles Cove Generator Replacement \$60,000
Pump Station R&R \$35,000





Subprogram # 424 Cape Elizabeth WWTF

WWTF – R&R \$25,000
Aeration & Clarification Upgrade (design) \$200,000

2025 – propose construction estimated \$2,000,000

Portland Water District
From Seaside, Lake to Ocean Bay

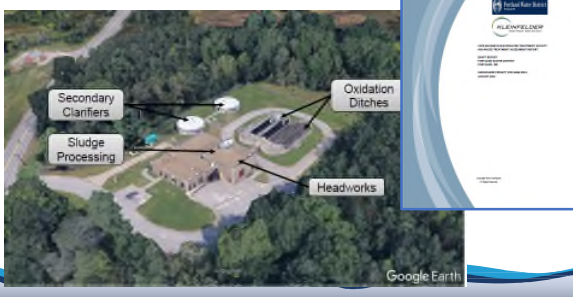
Condition Assessment – Cape Elizabeth Pump Stations

ID	Name	2020 ratings	2014 ratings
CEP10	Walden	4.00	2.95
CEP12	Wood Cove South	4.00	2.15
CEP44	Farmlyfield	4.49	2.76
CEP50	Stonington North	4.49	3.47
CEP61	Spencer in Pump Station	4.49	2.0
CEP69	Tad Pines	4.02	2.58
CEP50	Cragmoor North	4.00	3.65
CEP17	Collins	4.00	4.00
CEP17	Hunt's Point	4.00	3.90
CEP72	Gull Cove	4.00	3.08
CEP73	East Cove Transfer Station	4.00	3.64
CEP15	Cragmoor South	3.86	3.30
CEP13	Brick Knoll	3.79	4.00
CEP52	Pachon	3.78	3.97
CEP74	Tad Pines East	4.02	4.67
CEP68	Sparhawk	3.72	4.16
CEP61	Wood Cove North	2.74	2.79
CEP65	Peabbles Cove 2024	3.57	3.31
CEP64	Apogon	3.47	3.10
CEP49	Oakhurst	3.44	2.94
CEP47	Mitchell Road	3.43	3.16
CEP71	Cross Hill	3.42	3.65
CEP61	Roaming Tide	3.24	3.19
CEP59	Stonington South	3.03	3.04
CEP66	Peabbles Point 2023 proposed	3.12	2.87
CEP43	Ottawa Road 2022 under construction	2.79	2.09
CEP42	Malden Cove (Completed 2022)	2.14–5.0	1.98
Cape Elizabeth Average		3.74	3.53
PS10-All Average		3.32	

Portland Water District
From Seaside, Lake to Ocean Bay

Cape Elizabeth – WWTF condition assessment report



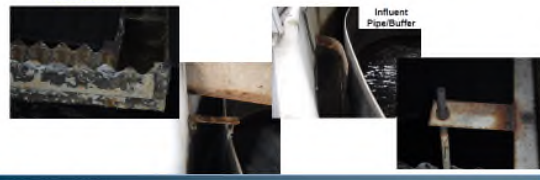
Secondary Clarifiers
Sludge Processing
Oxidation Ditches
Headworks

Google Earth

Portland Water District
From Seaside, Lake to Ocean Bay

Secondary Clarifiers – Current Conditions

- All threaded rod and bolts should be renewed.
- The condition of the effluent weir trough may require its full replacement.
- Coating loss is near complete.
- Section loss could not be determined.
- Overall Current conditions warrants the replacement of entire mechanism.



Influent Pipe/Buffer

KLEINFELDER CONFIDENTIAL

Cumberland pgs. 327 -330

Portland Water District
From Sebago Lake to Ocean Bay


Cumberland Wastewater

Subprogram #41 Cumberland WW Pump Station – RR \$30,000
Tuttle Road Force Main Replacement Ph 1 - \$900,000
Powell Road PS Replacement – \$800,000

Treatment: 235,000 gallons per day – 50% capacity
(Falmouth plant allocation to Cumberland is 468,000)


Collection System: 13 Pump Stations with 29.2 miles of pipe

Customers – 1,185



Tuttle Road Force Main Replacement Phase 1

Portland Water District
From Sebago Lake to Ocean Bay



Condition Assessment – Cumberland Pump Stations

Portland Water District
From Sebago Lake to Ocean Bay


Cumberland						
ID	Name	2020 rating	2014 rating	Proposed year for RR	Est cost of RR upgrades	
CUP45	Longmeadow – (no generator - 2023 CIP proposed generator additions)	4.56	3.26	2023		Under construction
CUP54	Drownie Road	4.06	4.93			
CUP55	Twin Brook	4.00	3.83			
CUP41	Ferreside Road	3.93	3.75	2028	\$300,000	
CUP51	Cumberland Meadow	3.75	3.63			
CUP46	Ledge Road	3.70	3.82	2028	\$200,000	
CUP52	Small's Brook Crossing	3.54	3.43	2027	\$200,000	
CUP43	Tuttle Road	3.51	3.80	2025	\$300,000	
CUP44	Ocean Terrace	3.45	3.26	2026	\$350,000	
CUP42	Powell Road (2024 proposed)	3.36	3.73	2024	\$800,000	
CUP47	Ferne Lane	3.35	3.81	2029	\$300,000	
CUP48	Brookside	3.31	3.18	2027	\$300,000	
CUP50	Stormy Ridge	3.19	3.60	2026	\$300,000	
Cumberland Average		3.67	3.72			
PWD -All Average		3.72		Total	\$2,750,000	

Westbrook Gorham Windham pgs. 331-348

Portland Water District
From Sebago Lake to Ocean Bay

Subprogram # 416 Westbrook/Gorham/Windham Regional Plant **\$750,000**

- Treatment Plant Capacity Study \$300,000
- Westbrook Gorham Windham R&R \$50,000
- Access Road storm drainage/paving \$400,000



Westbrook WW Systems pgs 341-342

Portland Water District
From Sebago Lake to Ocean Bay


• Pump station R&R - \$40,000

ID	Name	2020 rating	2014 rating
WEP43	Dana CT PS	4.61	2.90
WEP42	E. Bridge St. PS	3.79	3.85
WEP41	Cottage Place	3.66	3.93
Westbrook Average		4.02	3.56
PWD-All Average (74 Pump Stations)		3.72	3.47

Treatment
2,397 million gallons/day

Collection System
2 Westbrook only & 1 Joint use Pump Stations with 9.2 miles of pipe

Customers
4,697



Gorham

Portland Water District
From Sebago Lake to Ocean Bay

Gorham Wastewater \$ 35,000

Subprogram #60 Gorham WW Pump Station – RR \$35,000

ID	Name	2020 rating	2014 rating
GOP50	Canterbury Pines	4.21	3.54
GOP51	Gateway Commons	4.01	3.83
GOP45	University	4.00	3.25
GOP47	Southwoods	4.00	3.63
GOP55	Little River	4.00	4.08
GOP56	Mallison	4.00	4.06
GOP53	Old Dynamite	4.00	4.96
GOP58	Olde Canal	4.00	4.03
GOP59	Tink Drive	4.00	4.93
GOP41	Low Path	3.97	
GOP52	Meadowland	3.92	3.72
GOP54	Heartwood	3.92	3.81
GOP46	Glenwood	3.76	3.59
GOP48	Briarwood	3.52	3.78
GOP53	Park South	3.23	3.58
Gorham Average		3.94	3.98
PWD -All Average (74 Pump Stations)		3.72	3.47

Treatment
471,000 gallons/day
1.4 MGD allocated

Collection System
14 Gorham only & 3 Joint use Pump Stations with 33.7 miles of pipe

Customers
1,879

South Windham (Little Falls)

Portland Water District
From Sewage, Lake to Clean Day

South Windham Wastewater \$20,000

Subprogram #180 Windham
WW Pump Station - RR \$20,000

New Depot Street Pump Station completed in Fall 2021

North Windham Wastewater

Portland Water District
From Sewage, Lake to Clean Day

	-2023-	-2024-	-2025-	-2026-	-2027-
Bond SRF	\$8,000,000	\$10,000,000	\$10,000,000	\$7,000,000	\$10,000,000
WW Treatment	\$8,000,000	\$10,000,000	\$10,000,000	\$7,000,000	\$10,000,000
182/3241/North Windham WWTF	\$8,000,000	\$10,000,000	\$10,000,000	\$7,000,000	\$10,000,000
Grand Total	\$8,000,000	\$10,000,000	\$10,000,000	\$7,000,000	\$10,000,000

Sewer Collection System

Advanced MBR WWTF

Perc-Rite Subsurface Disp.

Siting of TP/effluent disposal Site Testing
Preliminary Design & Pre-permitting Project Budget established
June 14th Referendum Vote
Design Build selection start Fall 2022
Construction 2023, 2024, 2025

Portland pgs. 349-359

Portland Water District
From Sewage, Lake to Clean Day

Program Summary

	-2024-	-2025-	-2026-	-2027-	-2028-
Comprehensive Planning	\$300,000	\$300,000		\$500,000	
SCADA & Technology					
WW Collection & Pumping	\$3,850,000	\$1,000,000	\$250,000	\$1,050,000	\$325,000
WW Treatment	\$15,780,000	\$3,685,000	\$1,625,000	\$2,605,000	\$2,405,000
Grand Total	\$19,930,000	\$4,985,000	\$1,875,000	\$4,155,000	\$2,730,000

Portland -Collection & Pumping

Portland Water District
From Sewage, Lake to Clean Day

Subprogram # 70 Portland Pump Stations - \$3,625,000

Pump Station R&R	\$125,000
Northeast Pump Station Generator and Switchgear Replacement	\$1,300,000
Fore River Pump Station Pump Replacement	\$2,200,000

Condition Assessment – Portland Pump Stations

Portland Water District
From Sewage, Lake to Clean Day

Portland /Peaks Island		2020 rating	2014 rating	
POP04	Great Pond Pump Station	4.79	5.0	
POP01	Centennial	4.57	2.59	
POP03	Rye Field	3.79	3.66	
POP02	Torrington Point	3.70	3.26	
POP43	Fore River	4.44	2.35	
POP45	Thompson's Point	3.90	4.33	
POP46	Arcadia Street	3.84	4.41	
POP42	India Street	3.79	3.95	
POP48	Westbrook Street	3.69	3.65	
POP41	Northeast	3.21	2.89	
POP47	Stroudwater	Under construction	2.97	3.34
POP44	Baxter Boulevard (completed upgrade in 2022)	2.72 4.0	3.11	
POP49	Garrison Street (2021 under design)	1.63	2.65	
POP50	Congress Street (2021 under design)	1.63	2.80	
Portland Average		3.47	3.43	
PWD - All Average (74 Pump Stations)		3.77	3.47	

Portland Treatment (East End)


Portland Water District
From Sewage, Lake to Clean Day

Subprogram # 21 East End WWTF Upgrades \$15,710,000

Dewatering System upgrade (Construction)	\$11,000,000
Return Sludge Piping replacement (Construction)	\$3,000,000
HVAC Upgrades Tunnel and Pump Gallery (Design)	\$100,000
Influent screen # 2 and conveyor replacement (Construction)	\$1,250,000
Process Gate Automation	\$30,000
East End WWTF R&R	\$230,000
Front Gate Replacement	\$100,000

Biosolids Master Plan

Reinvestments into Plant



2021 Primary Sludge/Gallery (Eng)	\$300,000
2022 – Construction (Going to bid)	\$4,800,000
2023 Secondary Clarifier (Engineering)	\$200,000
2024 – Construction	\$7,320,000
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2023 Dewatering (Engineering)	\$500,000
2024 – Construction	\$11,000,000
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2024 – Influent screen # 2 and conveyor replacement Construction	\$1,250,000
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2022 Return Sludge Piping replacement (Engineering)	\$200,000
2024 – Construction	\$3,000,000
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	\$28M




Peaks Island

Portland Water District
From Sebring, Lake to Ocoee Bay

Subprogram # 423 Peaks WW Upgrades

Peaks Island R&R	\$20,000
Decanter and Mixer upgrade (design)	\$50,000
Stormwater System Upgrades	\$25,000



Water Wastewater – multi fund

Portland Water District
pgs 360-367
From Sebring, Lake to Ocoee Bay

Water and Wastewater	\$2,430,000
Comprehensive Planning	\$400,000
Technology	\$355,000
Vehicle/Equipment Replacement	\$400,000
Water Distribution System (meters)	\$400,000
Water Facilities Program	\$775,000

Technology upgrade and replacement

Portland Water District
From Sebring, Lake to Ocoee Bay

Subprogram # 50 Technology Upgrade Program - \$355,000

- Security enhancements/audits
- Phone system
- Increased Bandwidth
- Data connectivity server – data governance
- Server upgrades – replacements
- Disaster recovery projects
- Hybrid meetings set-ups
- Mobile support – Laptop/I-Pads roll-outs

Vehicles and Equipment pgs 363-364

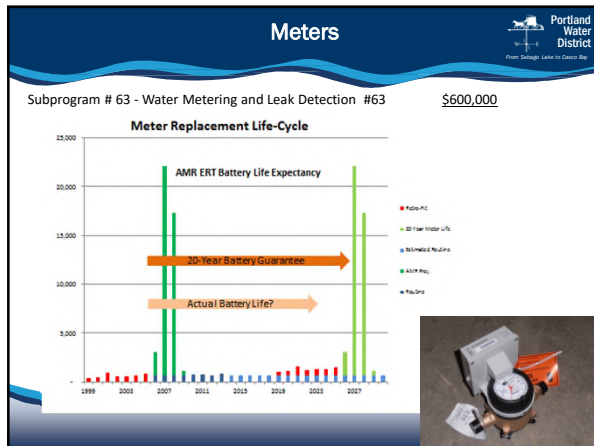
Portland Water District
From Sebring, Lake to Ocoee Bay

• Vehicle and Equipment Replacement #326 \$400,000





- 6 pick ups
- 2 Boat Motors
- 1 Crew Truck
- 1 Compressor



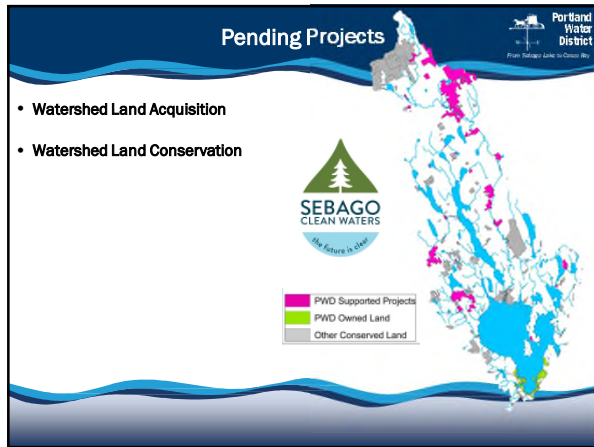
Water Facilities Program

Portland Water District
From Sebago Lake to Ocean Bay

Subprogram #68 Facilities Improvements Program **\$775,000**

Facility Upgrade R&R – \$150,000
 HVAC System Phase 3 of 4 - \$525,000
 Office renovations – post HVAC improvements 100,000

HVAC, Roofs, Elevator, Building Envelop,
 Sprinkler System, Carpets, Paving,
 Office rehab etc...

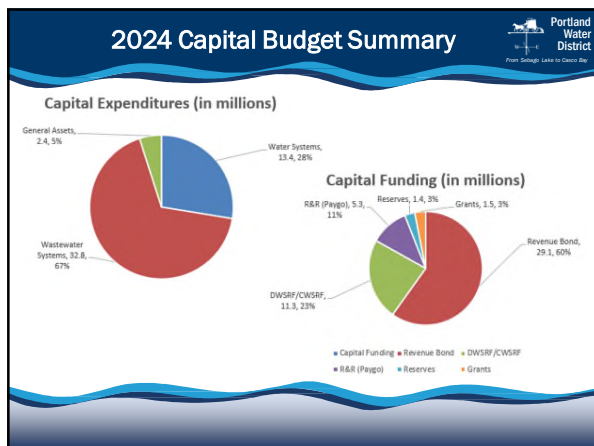


Staff Recommendation for Board Approval

Portland Water District
From Sebago Lake to Ocean Bay

ORDERED that the 2024-2028 Capital Improvement Plan is hereby adopted and the General Manager to solicit bids or proposals for the year 2023 projects; excepting CIP # 182, 3241 North Windham Wastewater system and to authorize the General Manager to award contracts for approved projects to the lowest bidder if the bid is within the Project budget.

BE IT FURTHER ORDERED that the General Manager to solicit bids or proposal and to partner with Municipalities, MDOT and Developers for the year 2023 for the replacement and extension of water mains, services, valves and hydrants as outlined in the Water Distribution System Upgrades Program and to authorize the General Manager to enter into contracts and award contracts if the bids and partnering proposals are within the overall Program budget.



2024 Budget

Portland Water District
From Sebago Lake to Ocean Bay

Questions and Comments

