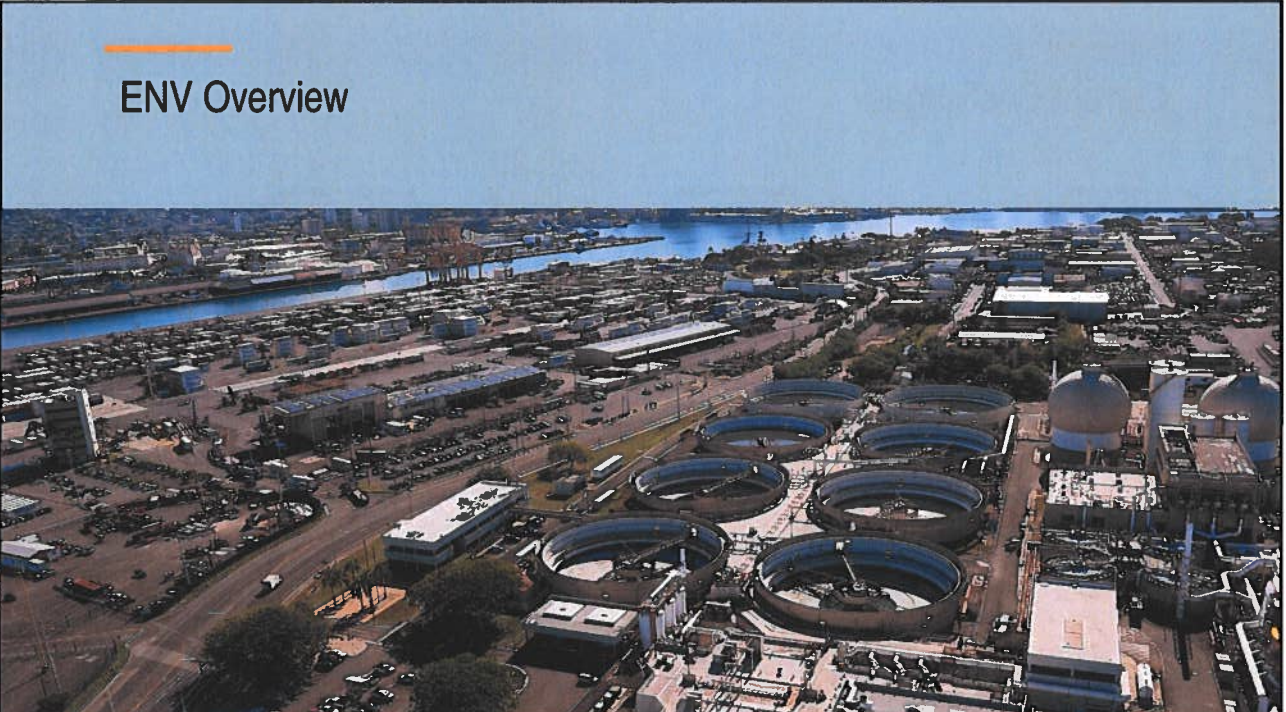




Proposed Sewer Rate Adjustments

Budget Committee Meeting: March 4, 2025
Roger Babcock Jr, Director, Department of Environmental Services

ENV Overview





ENV Current Rates - Residential

		Single-Family and Duplex Dwellings	Rate Per Dwelling Unit Per Month
Served by City Water System	Base Charge (Fixed)		\$77.55
	Volume Charge per 1,000 gallons of metered water consumed, the water consumed reduced by the water irrigation factor of 20%*		\$4.63
NOT Served by City Water System	Charge (Fixed)		\$110.89
		Multiple-Unit Dwellings	Rate Per Dwelling Unit Per Month
Served by City Water System	Base Charge (Fixed)		\$53.32
	Volume charge per 1,000 gallons of metered water consumed, the water consumed reduced by the water irrigation factor of 20%*		\$4.63
NOT Served by City Water System	Charge (Fixed)		\$86.65

* Provided that residential users who install and maintain a water meter for submetering non sewer water shall not have the water consumed reduced by the water irrigation factor.

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ENV Current Rates – Non-Residential

		Domestic Strength Wastewater	Monthly Rate
Metered Water Usage	Base charge per ESDU ¹		\$77.55
	Volume charge per 1,000 gallons of metered water consumed, the water consumed reduced by the water irrigation factor of 20%		\$4.63
Metered Wastewater Discharge	Base charge per ESDU (Fixed Charge)		\$77.55
	Volume charge per 1,000 gallons		\$4.63
		Extra Strength Wastewater	Monthly Rate
Metered Water Usage	Charge per 1,000 gallons of metered water consumed, the water consumed reduced by the water irrigation factor of 20%, use the following formula: $0.857 + 0.143(SSm/200)$ multiplied by applicable rate ²		\$4.63
Metered Wastewater Discharge	Charge per 1,000 gallons of wastewater discharge, use the following formula: $0.857 + 0.143(SSm/200)$ multiplied by applicable rate*		\$4.63

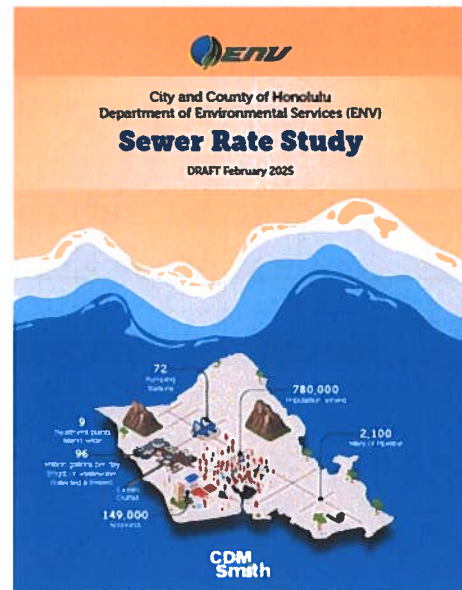
¹ where (SSm) is the measured suspended solids loading when greater than 200 milligrams per liter.

² Equivalent Single-Family Dwelling Unit

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Sewer Rate Study

- 1 Executive Summary
- 2 Introduction
- 3 Projected Revenues Under Previously Approved Rates
- 4 Revenue Requirement
- 5 Rate Setting Approach and Rate Structure Alternatives
- 6 Public Outreach
- 7 Proposed Sewer Rate Adjustments
- 8 Appendices
 - 1 Rate Schedule
 - 2 Bill Examples
 - 3 SW-WAG Advisory Group Roster



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Rate Study Process

- Step (1) Estimate projected revenues under current rates *without raising rates*.
- Step (2) Estimate revenue requirements.
 - Operation and Maintenance (O&M) costs were generated using the approved FY 2025 sewer fund budget and escalated assuming values for annual inflation (FY26-4.0%, FY27-3.5%, FY28 thru FY35-3.0%).
 - Debt Service (DS) costs were estimated from the capital improvement plan (CIP) spending each year and include estimated DS on SRF loans anticipated to be received and DS on projected wastewater revenue bonds sales, including principal and interest. ENV also funds a portion of its CIP with sewer fund cash.
 - Reserve fund (R) contributions are also calculated by the financial model based on bond covenant requirements.
- Step (3) Determine annual rate increases to meet the revenue requirements using various rate structure alternatives.
- Step (4) Work with Stakeholder Advisory Group - develop recommended fee increase schedule for FY2026 to FY2035.

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Rate Study Step 2

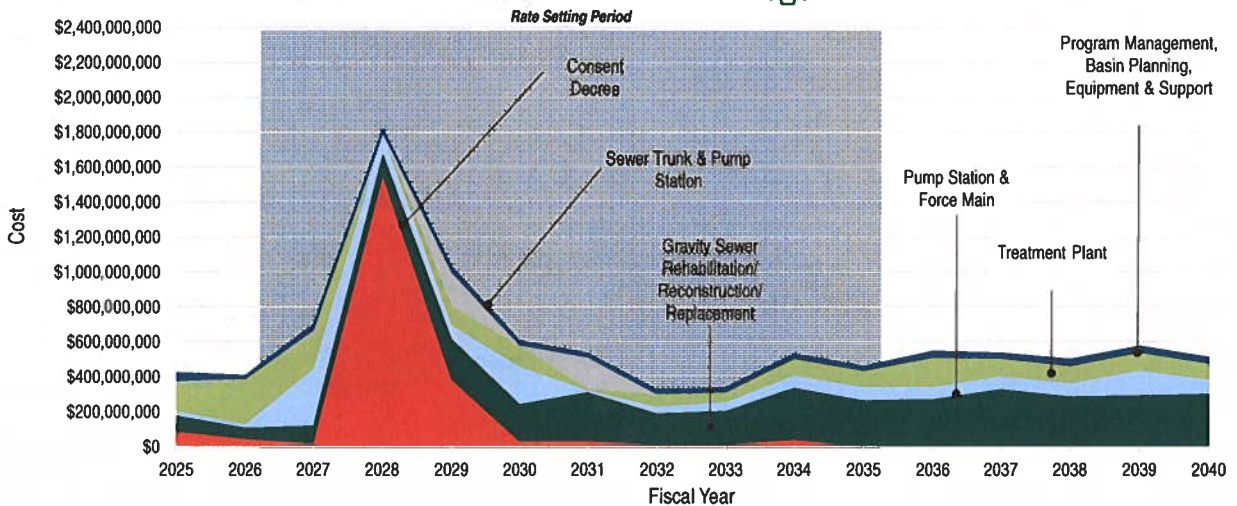
Projected Expenses	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total
Operations and Maintenance	\$231.6	\$237.7	\$243.9	\$252.7	\$262.2	\$272.5	\$282.6	\$291.4	\$299.9	\$308.1	\$2,682.7
Existing Debt Service	\$179.4	\$173.1	\$166.5	\$172.7	\$177.2	\$199.6	\$200.9	\$197.2	\$197.2	\$177.7	\$1,841.5
Anticipated New Debt Service	\$21.6	\$37.8	\$53.0	\$75.2	\$107.1	\$141.3	\$175.3	\$206.4	\$227.7	\$256.6	\$1,301.9
Reserve Contributions	\$12.4	\$0.5	\$6.2	\$10.8	\$18.4	\$25.6	\$25.5	\$18.2	\$14.4	\$9.8	\$141.8
Total Expenses prior to Cash Funded Capital	\$444.9	\$449.1	\$469.6	\$511.4	\$564.9	\$639.0	\$684.3	\$713.3	\$739.3	\$752.1	\$5,968.0
Cash Funded Capital	\$149.8	\$137.5	\$168.1	\$208.8	\$258.6	\$301.1	\$316.6	\$320.6	\$316.7	\$300.3	\$2,477.9
Total Annual Expenditures	\$594.7	\$586.6	\$637.7	\$720.2	\$823.5	\$940.1	\$1,000.9	\$1,033.9	\$1,056.0	\$1,052.4	\$8,445.9

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2025-2040 CIP Appropriations by Project Type



Cost: \$10.1 billion



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Rate Study Step 3

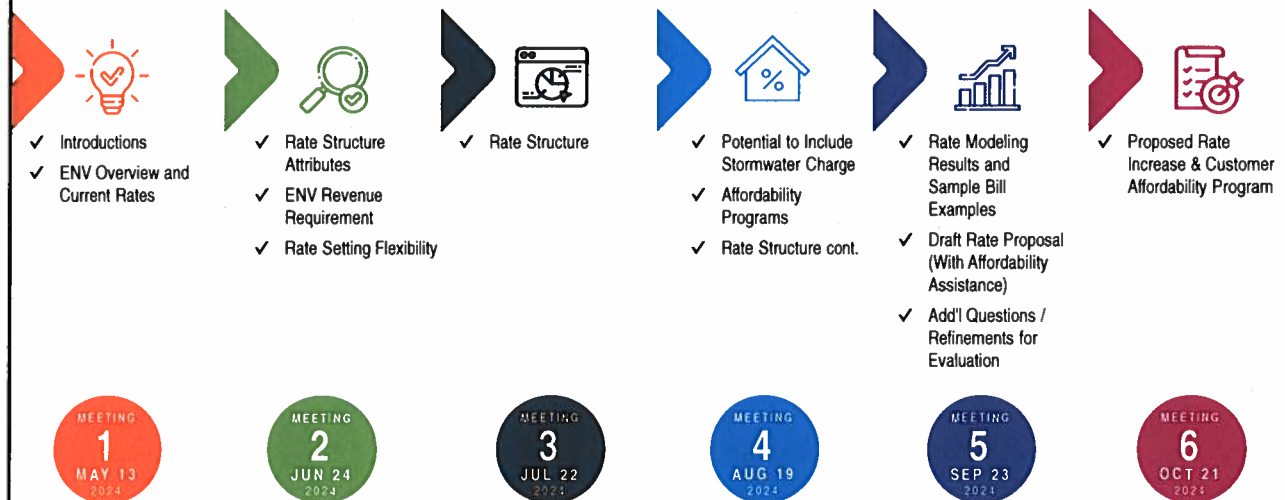
	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total
Proposed Rate Increases	9.0%	9.0%	9.0%	9.0%	9.0%	9.0%	8.0%	7.0%	6.0%	5.0%	115%
Additional Rate Revenue	\$41.1	\$86.0	\$134.8	\$188.1	\$246.2	\$309.5	\$370.8	\$428.7	\$481.9	\$528.8	\$2,815.8
Total Annual Revenue	\$430.6	\$435.2	\$456.0	\$498.4	\$552.9	\$628.7	\$675.4	\$705.9	\$732.9	\$746.4	\$5,862.4

Year	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33	FY34	FY35
Proposed Annual % Increase	9	9	9	9	9	9	8	7	6	5
Alternative Annual % Increase	8	8	8	8	10	10	9	6	6	6
Alternative Annual % Increase	7	7	7	7	12	12	10	6	6	6
Alternative Annual % Increase	2	11	11	11	11	9	8	7	6	5
Alternative Annual % Increase	2	6	12.5	12.5	12.5	9	8	7	6	5

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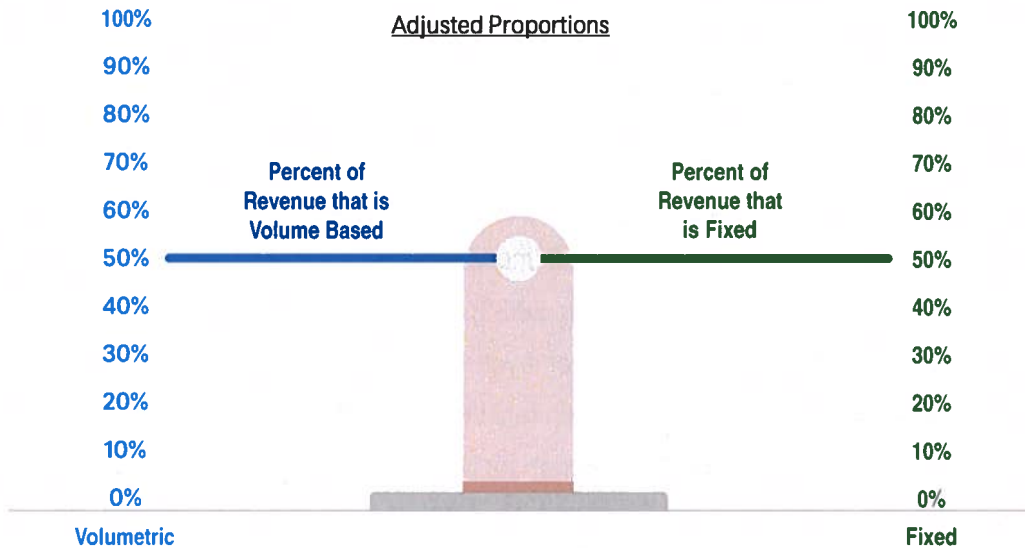
Rate Study Step 4

Storm Water-Wastewater Advisory Group (SWWAG) Roadmap



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Rate Study Step 4



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Rate Study Step 4

Customer Assistance for Residential Environmental Services (CARES) Proposal

- Modeled after RURP program
- Funded at \$10 million dollars per year
- Income-based qualification potentially administered through 3rd party non-profit
 - Eligibility = household income less than 80% of area median income (AMI)
- Eligible customers may qualify for a \$20 to \$25 credit on their monthly fixed charge
- Application required to enroll and remain enrolled in program

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Monthly Rates in \$ 50% Fixed, 50% Uniform Volumetric – Phased in Over 4 Years

Rate Structure	Monthly Rate	Current (2024)	July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028	July 1, 2029	July 1, 2030	July 1, 2031	July 1, 2032	July 1, 2033	July 1, 2034
Single-Family 	Fixed		77.83	77.52	76.53	74.74	81.47	88.80	95.90	102.62	108.77	114.21
	Uniform Volumetric (per 1,000 gal)	4.63	6.14	7.89	9.90	12.21	13.31	14.50	15.67	16.76	17.77	18.66
Multi-Family 	Fixed (per dwelling unit)	53.32	53.51	53.30	52.62	51.39	56.01	61.05	65.94	70.55	74.79	78.53
	Uniform Volumetric (per 1,000 gal)	4.63	6.14	7.89	9.90	12.21	13.31	14.50	15.67	16.76	17.77	18.66
Non-Residential 	Fixed (per ESDU*)	77.55	77.83	77.52	76.53	74.74	81.47	88.80	95.90	102.62	108.77	114.21
	Uniform Volumetric (per 1,000 gal)	4.63	6.14	7.89	9.90	12.21	13.31	14.50	15.67	16.76	17.77	18.66

*ESDU: Equivalent Single-Family Dwelling Unit

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Comparing Sewer Bills – Single-Family Residential

July 1 st of	Fixed Rate	Volumetric Rate	July 1 st of					2,000	4,000	6,000	8,000	10,000	12,000	14,000	16,000	18,000	20,000	25,000	30,000	
			2,000	4,000	6,000	8,000	10,000													
2024	77.55	4.63	84.96	92.37	99.77	107.18	114.58	121.99	129.40	136.80	144.21	151.62	159.03	166.44	173.85	181.26	188.67	196.08	203.49	210.90
2025	77.83	6.14	87.65	97.48	107.31	117.14	126.97	136.80	146.63	156.46	166.29	176.12	185.95	195.78	205.61	215.44	225.27	235.10	244.93	254.76
2026	77.52	7.89	90.14	102.77	115.39	128.02	140.65	153.28	165.91	178.54	191.17	203.80	216.43	229.06	241.69	254.32	266.95	279.58	292.21	304.84
2027	76.53	9.90	92.37	108.21	124.05	139.89	155.73	171.57	187.41	203.25	219.09	234.93	250.77	266.61	282.45	298.29	314.13	329.97	345.81	361.65
2028	74.74	12.21	94.28	113.81	133.35	152.88	172.41	191.94	211.47	231.00	250.53	270.06	289.59	309.12	328.65	348.18	367.71	387.24	406.77	426.30
2029	81.47	13.31	102.77	124.06	145.35	166.64	187.93	209.22	230.51	251.80	273.09	294.38	315.67	336.96	358.25	379.54	400.83	422.12	443.41	464.70
2030	88.80	14.50	112.00	135.20	158.40	181.60	204.80	228.00	251.20	274.40	297.60	320.80	344.00	367.20	390.40	413.60	436.80	460.00	483.20	506.40
2031	95.90	15.67	120.97	146.04	171.11	196.18	221.25	246.32	271.39	296.46	321.53	346.60	371.67	396.74	421.81	446.88	471.95	497.02	522.09	547.16
2032	102.62	16.76	129.44	156.25	183.07	209.88	236.69	263.50	290.31	317.12	343.93	370.74	397.55	424.36	451.17	477.98	504.79	531.60	558.41	585.22
2033	108.77	17.77	137.20	165.63	194.07	222.50	250.93	279.36	307.79	336.22	364.65	393.08	421.51	449.94	478.37	506.80	535.23	563.66	592.09	620.52
2034	114.21	18.66	144.07	173.92	203.77	233.62	263.47	293.32	323.17	353.02	382.87	412.72	442.57	472.42	502.27	532.12	561.97	591.82	621.67	651.52
Compounded Increase (% over 10 years)			70	88	104	119	134	149	164	179	194	209	224	239	254	269	284	299	314	329
Compounded Increase (% over 10 years)			70	88	104	119	134	149	164	179	194	209	224	239	254	269	284	299	314	329



Comparing Sewer Bills – Non-Residential

Customer	Current Bill	Future Bill at Proposed Rates										Compounded Increase
		July 1, 2025	July 1, 2026	July 1, 2027	July 1, 2028	July 1, 2029	July 1, 2030	July 1, 2031	July 1, 2032	July 1, 2033	July 1, 2034	
Large Shopping Center	185,781	198,102	211,137	224,914	239,460	261,011	284,502	307,262	328,771	348,497	365,922	
9,748,704 gallons per month	\$ Change	12,322	13,035	13,776	14,546	21,551	23,491	22,760	21,508	19,726	17,425	96.9%
1,930 ESDUs	% Change	6.6%	6.6%	6.5%	6.5%	9.0%	9.0%	8.0%	7.0%	6.0%	5.0%	
Office Building	15,443	16,629	17,902	19,270	20,740	22,607	24,641	26,612	28,475	30,184	31,693	
945,056 gallons per month	\$ Change	1,185	1,274	1,368	1,469	1,867	2,035	1,971	1,863	1,709	1,509	105.2%
154 ESDUs	% Change	7.7%	7.7%	7.6%	7.6%	9.0%	9.0%	8.0%	7.0%	6.0%	5.0%	
Hotel	74,510	88,695	104,830	123,151	143,921	156,874	170,992	184,672	197,599	209,455	219,927	
11,638,683 gallons per month	\$ Change	14,185	16,135	18,321	20,770	12,953	14,119	13,679	12,927	11,856	10,473	195.2%
405 ESDUs	% Change	19.0%	18.2%	17.5%	16.9%	9.0%	9.0%	8.0%	7.0%	6.0%	5.0%	

Public Outreach



Sewer Fee Increase Town Hall Meetings (all 9 Council Districts)

- Kapolei Hale, Monday, November 18, 2024, 5:30-7:00pm (District 1)
- Neal Blaisdell Center, Tuesday, December 3rd, 2024, 10 am – 12 pm (District 6)
- Kailua / Kāne’ohe, Tuesday, December 10th, 2024, 5:30-7:00pm (District 3)
- Mililani, Tuesday, December 17th, 2024, 5:30-7:00pm (District 8)
- ‘Āina Haina, Friday, January 3rd, 2025, 5:30-7:00pm (District 4)
- Nānākuli, Monday, January 6th, 2025, 5:30-7:00pm (District 1)
- Manoa, Tuesday, February 18th, 2025, 5:30-7:00pm (District 5)
- Ewa Beach, Thursday, February 20th, 2025, 5:30-7:00pm (District 9)
- Nuuuanu/Punchbowl, Tuesday, March 11th, 2025, 5:30-7:00pm (District 6)
- Salt Lake, Thursday, March 13th, 2025, 5:30-7:00pm (District 7)
- Wahiawa, Thursday, March 20th, 2025, 5:30-7:00pm (District 2)

2024-2025 Proposed Sewer Fees in the Hawaii Media

Date	Media Agency	Title
Oct. 23, 2024	Hawai'i News Now	Proposed sewer fee hikes could increase your bill significantly over next decade
Oct. 23, 2024	Hawai'i News Now	Proposed sewer fee hikes could increase your bill significantly over the next decade
Oct. 23, 2024	KHON	Honolulu sewer fees could double in 10 years
Oct. 23, 2024	KITV	Honolulu state official plan to adjust city's sewer fees
Oct. 23, 2024	KITV	Sewer fee increases potentially on tap starting next year on O'ahu
Oct. 24, 2024	Star-Advertiser	City proposing 12.4% residential sewer fee hikes over the next 10 years on O'ahu
Oct. 24, 2024	Hawai'i News Now	Proposed sewer fee hikes could increase your bill significantly over the next decade
Oct. 27, 2024	Star-Advertiser	Column: Sewer fee hike to fund vital projects
Nov. 1, 2024	Star-Advertiser	Letter: Proposed sewer fee is a fair, equitable change
Nov. 1, 2024	KHON	Honolulu Department of Environmental Services to Implement 10-Year Sewer Fee Increase
Nov. 5, 2024	Star-Advertiser	Honolulu Council to review sewer fee hike measure
Nov. 12, 2024	Star-Advertiser	Council weighs in on city's proposed sewer fee hike
Nov. 18, 2024	Star-Advertiser	Editorial: More outreach on sewer fee increase
Dec. 8, 2024	Hawai'i News Now	https://www.hawaiinewsnow.com/2024/12/09/city-prepares-announce-new-landfill-site-heres-whats-being-considered/ https://www.ktv.com/news/city-announces-controversial-proposed-salt-landfill-site-in-wahiawa/article_c98e8ff6-b771-11ef-a40c-17b3bc813ec6.html
Dec. 10, 2024	KITV	https://www.staradvertiser.com/2024/12/16/edp/special/letters/better-alternatives-to-landfill-include-more-recycling/
Dec. 16, 2024	Star-Advertiser (LTE)	https://www.hawaiinewsnow.com/2025/01/08/for-everyone-is-kind-stuck-lawmakers-hear-debate-over-wahiawa-landfill-site/
Jan. 7, 2025	Hawai'i News Now	https://www.civilbeat.org/2025/01/some-legislators-unhappy-with-proposed-site-for-new-o'CA&B&hu-landfill/
Jan. 8, 2025	Civil Beat	https://www.youtube.com/watch?v=cgCABA2H1Bo
Jan. 10, 2025	Hawai'i News Now	https://www.staradvertiser.com/2025/01/10/hawaii-news/debate-over-landfill-site-is-aired-before-lawmakers/
Jan. 10, 2025	Star-Advertiser	https://www.civilbeat.org/2024/12/city-announces-new-landfill-location-above-islands-water-supply/
Jan. 10, 2025	Civil Beat	https://www.hawaiipublicradio.org/local-news/2025-01-14/some-honolulu-councilmembers-wahiawa-landfill-site
Jan. 14, 2025	Hawai'i Public Radio	https://www.hawaiinewsnow.com/2025/01/15/city-executive-water-supply-chief-battle-over-landfill-site/
Jan. 14, 2025	Hawai'i News Now	https://www.hawaiinewsnow.com/2025/01/15/city-executive-water-supply-chief-battle-over-landfill-site/
Jan. 15, 2025	Hawai'i News Now	https://www.youtube.com/watch?v=wz-7y2449y0
Jan. 15, 2025	KITV	https://www.youtube.com/watch?v=wz-7y2449y0
Jan. 15, 2025	KITV	https://www.youtube.com/watch?v=wz-7y2449y0
Jan. 15, 2025	Star-Advertiser	https://www.youtube.com/watch?v=wz-7y2449y0 https://www.staradvertiser.com/2025/01/15/hawaii-news/resolution-opposing-landfill-sites-above-oahu-aquifer-advances/

Excerpts from Standard & Poor's Most Recent ENV Credit Rating Report*

"...The rating assumes that a five-year rate package will be adopted in 2025 and implemented by fiscal 2026. The preliminary rate adjustments are expected to support healthy financial performance despite considerable additional leverage...."

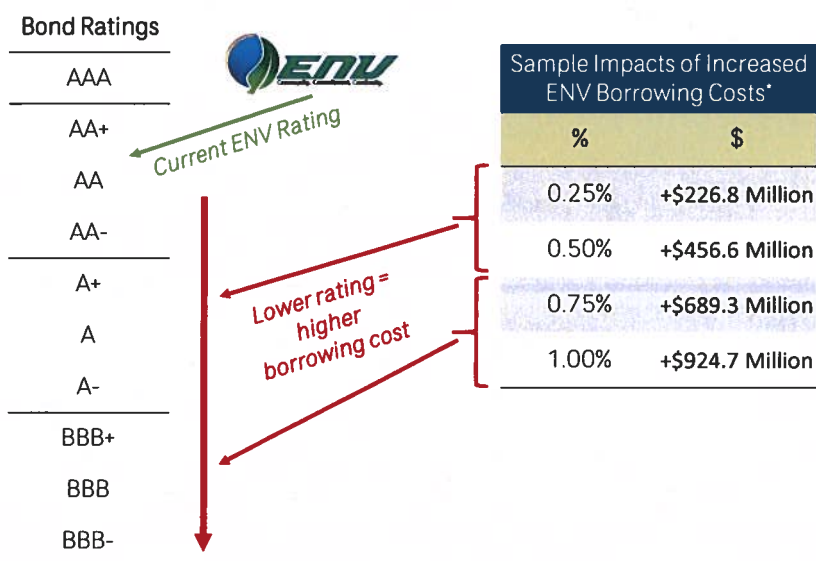
"...income levels support the higher rates and its wastewater peers located in sensitive waterways have similarly high rates. Further, management has taken a comprehensive and transparent approach to rate-setting, including a rate study to optimize the rate structure and a five-year minimum rate plan to address the CIP through 2040."

"**Downside Scenario** - If the upcoming rate package doesn't support financial performance commensurate with management's projections, causing cash and debt service coverage (DSC) to deteriorate, we could lower the rating."

*Quotes from Standard & Poor's report on ENV dated August 29, 2024.

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Honolulu's Wastewater Revenue Bond Program



*Source: 2024 Wastewater Revenue Bonds Official Statement. Based on approximately \$4 billion of ENV projected capital borrowing needs from FY 2025-2035

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Comparative Analysis (Data)

City	Combined Annual Bill/ MHI	State	2023 Annual Water Bill	2023 Annual Sewer Bill	Combined Annual Bill (Water + Sewer)	Combined Annual Bill Percent Change from Previous Year (2022)	Median Household Income (2023 dollars)	Is the combined annual bill less than 4.5% of the MHI? (AWWA Affordability Guideline)
Fort Worth	1.35%	TX	\$450.24	\$582.60	\$1,032.84	0.00%	\$76,802	Yes
Dallas	1.39%	TX	\$353.40	\$585.42	\$938.82	2.71%	\$87,760	Yes
San Jose	1.42%	CA	\$1,488.00	\$545.88	\$2,033.88	7.14%	\$141,565	Yes
Milwaukee	1.48%	WI	\$412.56	\$357.20	\$769.76	7.65%	\$51,888	Yes
Jacksonville	1.53%	FL	\$337.93	\$686.54	\$1,024.46	0.00%	\$66,981	Yes
Saint Paul	1.63%	MN	\$558.84	\$831.20	\$1,390.04	6.14%	\$73,055	Yes
San Diego	1.72%	CA	\$1,047.26	\$743.90	\$1,791.16	2.91%	\$104,321	Yes
San Antonio	1.74%	TX	\$562.67	\$534.96	\$1,097.63	-4.40%	\$62,917	Yes
New York	1.75%	NY	\$538.80	\$856.80	\$1,395.60	4.59%	\$79,713	Yes
Honolulu	1.76%	HI	\$609.42	\$1,263.96	\$1,831.82	0.00%	\$104,264	Yes
Austin	1.79%	TX	\$685.62	\$949.80	\$1,635.42	3.78%	\$91,461	Yes
MWRA Service Area	1.89%	MA	\$757.60	\$1,161.92	\$1,919.52	4.60%	\$101,341	Yes
Boston	1.90%	MA	\$759.15	\$1,039.30	\$1,798.45	1.33%	\$94,755	Yes
Columbus	1.95%	OH	\$603.04	\$671.44	\$1,274.48	5.62%	\$85,327	Yes
Providence	2.03%	RI	\$610.01	\$744.19	\$1,354.20	3.49%	\$66,772	Yes
Los Angeles	2.08%	CA	\$1,000.15	\$675.12	\$1,675.27	4.95%	\$80,366	Yes
Washington	2.15%	DC	\$885.24	\$1,404.00	\$2,289.24	3.09%	\$106,287	Yes
Philadelphia	2.17%	PA	\$773.16	\$542.28	\$1,315.44	14.19%	\$60,698	Yes
Newark	2.35%	NJ	\$437.76	\$699.84	\$1,137.60	2.52%	\$48,416	Yes
Indianapolis	2.49%	IN	\$537.38	\$1,031.80	\$1,569.18	-0.88%	\$62,995	Yes
Saint Louis	2.51%	MO	\$368.84	\$1,017.48	\$1,386.32	7.56%	\$55,279	Yes
Seattle	2.52%	WA	\$960.80	\$2,115.60	\$3,076.40	3.60%	\$121,984	Yes
San Francisco	2.55%	CA	\$1,521.36	\$2,087.40	\$3,608.76	6.36%	\$141,446	Yes
Portland	2.57%	ME	\$424.20	\$1,530.00	\$1,954.20	3.94%	\$76,174	Yes
Houston	3.03%	TX	\$822.16	\$1,086.42	\$1,908.60	14.31%	\$62,894	Yes
Detroit	3.20%	MI	\$502.87	\$764.04	\$1,266.91	7.66%	\$39,575	Yes
New Orleans	3.27%	LA	\$846.06	\$960.93	\$1,806.99	0.00%	\$55,339	Yes
Flint	5.38%	MI	\$1,087.08	\$861.72	\$1,948.80	0.00%	\$36,194	No
Average	2.20%		\$711.49	\$933.28	\$1,643.28	4.03%	\$78,442	

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CD1 Transfers Required from GF

	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	Total
Proposed Rate Increases	9.0%	9.0%	9.0%	9.0%	9.0%	9.0%	8.0%	7.0%	6.0%	5.0%	115%
Additional Rate Revenue	\$41.1	\$86.0	\$134.8	\$188.1	\$246.2	\$309.5	\$370.8	\$428.7	\$481.9	\$528.8	\$2,815.8
Total Annual Revenue	\$430.6	\$435.2	\$456.0	\$498.4	\$552.9	\$628.7	\$675.4	\$705.9	\$732.9	\$746.4	\$5,862.4
CD1 Reduced Rates	4%	4%	3%	3%	3%	3%	3%	3%	3%	3%	36%
CD1 Additional Revenue	\$18.28	\$38.21	\$44.95	\$62.70	\$82.06	\$103.15	\$139.04	\$183.74	\$240.93	\$317.29	\$1,230.3
CD1 Missing Revenue	\$22.85	\$47.76	\$89.89	\$125.40	\$164.11	\$206.30	\$231.73	\$244.98	\$240.93	\$211.52	\$1,585.5

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Alternative Base/Volumetric Charge Ratios

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Sewer billed cons (1,000 gal)	Total % increase	
30/70 - 4 year													
2,000	\$84.96	\$83.39	\$80.85	\$77.18	\$72.19	\$78.69	\$85.77	\$92.63	\$99.12	\$105.06	\$110.32	1.6	29.8
4,000	\$92.37	\$94.72	\$96.76	\$98.39	\$99.54	\$108.50	\$118.26	\$127.72	\$136.66	\$144.86	\$152.10	3.2	64.7
6,000	\$99.77	\$106.06	\$112.67	\$119.61	\$126.88	\$138.30	\$150.75	\$162.81	\$174.21	\$184.66	\$193.89	4.8	94.3
8,000	\$107.18	\$117.39	\$128.58	\$140.82	\$154.23	\$168.11	\$183.24	\$197.90	\$211.75	\$224.46	\$235.68	6.4	119.9
9,000	\$110.89	\$123.06	\$136.53	\$151.43	\$167.90	\$183.01	\$199.49	\$215.44	\$230.53	\$244.38	\$256.58	7.2	131.4
12,000	\$122.00	\$140.07	\$160.40	\$183.25	\$208.92	\$227.73	\$248.22	\$268.08	\$286.84	\$304.06	\$319.26	9.6	161.7
14,000	\$129.41	\$151.40	\$176.31	\$204.47	\$236.27	\$267.53	\$290.71	\$303.17	\$324.39	\$343.85	\$361.05	11.2	179.0
16,000	\$136.81	\$162.74	\$192.21	\$225.68	\$263.62	\$297.34	\$313.20	\$338.26	\$361.94	\$383.65	\$402.84	12.8	194.4
18,000	\$144.22	\$174.07	\$208.12	\$246.90	\$290.96	\$317.15	\$345.69	\$373.35	\$399.48	\$423.45	\$444.62	14.4	208.3
20,000	\$151.63	\$185.41	\$224.03	\$268.11	\$318.31	\$346.96	\$378.18	\$408.44	\$437.03	\$463.25	\$486.41	16	220.8
22,000	\$159.04	\$196.74	\$239.94	\$289.33	\$345.66	\$376.76	\$410.67	\$443.53	\$474.57	\$503.05	\$526.29	17.6	232.1
24,000	\$166.45	\$208.08	\$255.85	\$310.54	\$373.00	\$406.57	\$443.16	\$478.62	\$512.12	\$542.85	\$569.99	19.2	242.4
35,000	\$207.19	\$270.42	\$343.35	\$427.22	\$523.41	\$570.52	\$621.86	\$671.61	\$718.62	\$761.74	\$799.83	28	286.0
20/80 - 4 year													
2,000	\$84.96	\$81.26	\$78.20	\$69.58	\$61.15	\$66.65	\$72.65	\$78.46	\$83.96	\$88.99	\$93.44	1.6	10.0
4,000	\$92.37	\$93.35	\$93.76	\$93.48	\$92.40	\$100.72	\$109.78	\$118.57	\$126.87	\$134.48	\$141.20	3.2	52.9
6,000	\$99.77	\$105.44	\$111.31	\$117.39	\$123.66	\$134.78	\$148.92	\$158.67	\$169.78	\$179.96	\$188.96	4.8	89.4
8,000	\$107.18	\$117.53	\$128.86	\$141.29	\$154.91	\$168.85	\$184.05	\$198.77	\$212.66	\$225.45	\$236.72	6.4	120.9
9,000	\$110.89	\$123.57	\$137.64	\$153.24	\$170.54	\$185.88	\$202.61	\$218.82	\$234.14	\$248.19	\$260.60	7.2	135.0
12,000	\$122.00	\$141.70	\$163.97	\$189.10	\$217.42	\$236.98	\$258.31	\$278.98	\$298.50	\$316.41	\$332.24	9.6	172.3
14,000	\$129.41	\$153.79	\$181.52	\$213.00	\$248.67	\$271.05	\$295.44	\$319.08	\$341.41	\$361.90	\$379.99	11.2	193.6
16,000	\$136.81	\$165.88	\$199.08	\$236.90	\$279.92	\$305.11	\$332.57	\$359.18	\$384.32	\$407.38	\$427.75	12.8	212.7
18,000	\$144.22	\$177.97	\$216.63	\$260.80	\$311.17	\$339.18	\$369.71	\$399.28	\$427.23	\$452.87	\$475.51	14.4	229.7
20,000	\$151.63	\$190.06	\$234.18	\$284.71	\$342.43	\$373.25	\$406.84	\$439.39	\$470.14	\$498.35	\$523.27	16	245.1
22,000	\$159.04	\$202.15	\$251.74	\$308.61	\$373.68	\$407.31	\$443.97	\$479.49	\$513.05	\$543.84	\$571.03	17.6	259.1
24,000	\$166.45	\$214.24	\$269.29	\$332.51	\$404.93	\$441.38	\$481.10	\$519.59	\$555.96	\$589.32	\$618.79	19.2	271.8
35,000	\$207.19	\$280.73	\$365.83	\$463.98	\$576.83	\$628.74	\$685.33	\$740.15	\$791.97	\$839.48	\$881.46	28	325.4
10/90 - 4 year													
2,000	\$84.96	\$79.13	\$71.56	\$61.98	\$50.11	\$54.62	\$59.53	\$64.30	\$68.80	\$72.92	\$76.57	1.6	-9.9
4,000	\$92.37	\$91.07	\$90.75	\$88.57	\$85.27	\$92.94	\$101.31	\$109.41	\$117.07	\$124.09	\$130.30	3.2	41.1
6,000	\$99.77	\$104.81	\$109.95	\$115.17	\$120.43	\$131.27	\$143.08	\$154.53	\$165.34	\$175.28	\$184.03	4.8	84.4
8,000	\$107.18	\$117.66	\$129.15	\$141.76	\$155.59	\$169.59	\$184.85	\$199.64	\$213.62	\$226.43	\$237.76	6.4	121.8
9,000	\$110.89	\$124.08	\$138.75	\$155.05	\$173.17	\$188.75	\$205.74	\$222.20	\$237.75	\$252.02	\$264.62	7.2	138.6
12,000	\$122.00	\$143.34	\$167.54	\$194.94	\$225.91	\$246.24	\$268.40	\$289.87	\$310.16	\$328.77	\$345.21	9.6	183.0
14,000	\$129.41	\$158.19	\$186.74	\$221.53	\$261.07	\$284.56	\$310.17	\$334.99	\$358.44	\$379.94	\$398.94	11.2	208.3
16,000	\$136.81	\$169.03	\$205.94	\$248.12	\$296.23	\$322.89	\$351.95	\$380.10	\$406.71	\$431.11	\$452.67	12.8	230.9
18,000	\$144.22	\$181.87	\$225.14	\$274.71	\$331.39	\$381.21	\$433.72	\$485.22	\$534.98	\$582.28	\$606.40	14.4	251.1
20,000	\$151.63	\$194.72	\$244.33	\$301.30	\$368.55	\$399.54	\$435.49	\$470.33	\$503.25	\$533.45	\$550.12	16	269.4
22,000	\$159.04	\$207.56	\$263.53	\$327.89	\$401.71	\$437.96	\$477.27	\$515.45	\$551.53	\$584.63	\$613.85	17.6	286.0
24,000	\$166.45	\$220.40	\$282.73	\$354.48	\$436.87	\$476.18	\$519.04	\$560.56	\$599.80	\$635.79	\$667.58	19.2	301.1
35,000	\$207.19	\$291.04	\$388.31	\$500.73	\$630.25	\$686.67	\$748.79	\$808.70	\$865.31	\$917.23	\$963.09	28	364.8

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Alternative Base/Volumetric Charge Ratios

	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	Sewer billed cons (1,000 gal)	Total % increase	
0/100 - 4 year													
2,000	\$84.96	\$76.99	\$66.91	\$54.39	\$39.07	\$42.58	\$46.41	\$50.13	\$53.64	\$56.86	\$59.70	1.6	-29.7
4,000	\$92.37	\$90.59	\$87.75	\$83.67	\$78.13	\$85.16	\$92.83	\$100.26	\$107.27	\$113.71	\$119.40	3.2	29.3
6,000	\$99.77	\$104.19	\$108.59	\$112.94	\$117.20	\$127.75	\$139.24	\$150.38	\$160.91	\$170.57	\$179.09	4.8	79.5
8,000	\$107.18	\$117.79	\$129.43	\$142.22	\$156.27	\$170.33	\$185.66	\$200.51	\$214.55	\$227.42	\$238.79	6.4	122.8
9,000	\$110.89	\$124.59	\$139.86	\$156.86	\$175.80	\$191.62	\$208.87	\$225.58	\$241.37	\$255.85	\$268.64	7.2	142.3
12,000	\$122.00	\$144.98	\$171.12	\$200.78	\$234.40	\$255.49	\$278.49	\$300.77	\$321.82	\$341.13	\$358.19	9.6	183.6
14,000	\$129.41	\$158.58	\$191.96	\$230.06	\$273.47	\$298.08	\$324.90	\$350.90	\$375.46	\$397.99	\$417.89	11.2	222.9
16,000	\$136.81	\$172.18	\$212.80	\$259.34	\$312.53	\$340.66	\$371.32	\$401.02	\$429.10	\$454.84	\$477.58	12.8	249.1
18,000	\$144.22	\$185.78	\$233.64	\$288.62	\$351.60	\$383.24	\$417.73	\$451.15	\$482.73	\$511.70	\$537.28	14.4	272.5
20,000	\$151.63	\$199.37	\$254.48	\$317.90	\$390.67	\$425.82	\$464.15	\$501.28	\$536.37	\$568.55	\$596.98	16	293.7
22,000	\$159.04	\$212.97	\$275.32	\$347.18	\$429.73	\$468.41	\$510.56	\$551.41	\$590.01	\$625.41	\$656.68	17.6	312.9
24,000	\$166.45	\$226.57	\$296.17	\$376.46	\$468.80	\$510.99	\$556.98	\$601.54	\$643.64	\$682.26	\$716.38	19.2	330.4
35,000	\$207.19	\$301.36	\$410.79	\$537.49	\$683.66	\$745.19	\$812.26	\$877.24	\$938.65	\$994.97	\$1,044.72	28	404.2

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