2024 WATER RATE STUDY:

City of West Allis, WI

Phase 2: Conventional Rate Case Application Filing & Long-Range Cash Flow Analysis



Prepared by:

Ehlers N19W24400 Riverwood Drive, Suite 100 Waukesha, WI 53188

Advisors:

Brian Roemer
Senior Municipal Advisor
Peter Curtin
Fiscal Consultant

BUILDING COMMUNITIES. IT'S WHAT WE DO.



2024 Water Rate Study: Phase 2

Section 1 — Historical Analysis



Table 1 Water Rate Performance

City of West Allis, WI

		Shown	with no inc	rease			
Rev	enue Requirement					Budget	Test Year
Component	t Description	2020	2021	2022	2023	2024	2024
Cash Basis							
1	O&M and PILOT	\$7,211,133	\$6,801,902	\$6,911,743	\$6,453,241	\$7,659,341	\$7,289,878
2	Debt	\$2,762,516	\$1,645,156	\$3,774,069	\$1,426,029	\$1,300,254	\$1,300,254
3	Cash Funded Capital	\$1,105,006	\$658,062	\$1,803,941	\$3,804,339	\$520,102	\$520,102
	Less:						
	Other Revenue	\$170,632	\$155,344	\$88,200	\$365,661	\$457,000	\$353,000
	Interest Income	\$0	\$0	\$15,421	\$0	\$0	\$0
	Revenue Requirement	\$10,908,023	\$8,949,776	\$12,386,132	\$11,317,948	\$9,022,696	\$8,757,233
	(Costs less Other Income)						
	User Rates Revenue	\$8,331,638	\$8,433,304	\$8,749,226	\$8,323,457	\$8,804,000	\$8,361,309
	Rate Adequacy	(\$2,576,385)	(\$516,472)	(\$3,636,906)	(\$2,994,491)	(\$218,696)	(\$395,924
	Rate Adjustment Needed	30.92%	6.12%	41.57%	35.98%	2.48%	4.74%
Utility Basis (F	· ·	30.92%	6.12%	41.57%	35.98%	2.48%	4.74%
Utility Basis (F	· ·	30.92% \$7,211,133	6.12% \$6,801,902	\$6,911,743	35.98% \$6,453,241	2.48% \$7,659,341	4.74% \$7,289,878
Utility Basis (F	PSC)						\$7,289,878
1	PSC) O&M and PILOT	\$7,211,133	\$6,801,902	\$6,911,743	\$6,453,241	\$7,659,341	\$7,289,878 \$803,888
1	O&M and PILOT Depreciation	\$7,211,133 \$836,222	\$6,801,902 \$749,823	\$6,911,743 \$735,000	\$6,453,241 \$740,722	\$7,659,341 \$803,888	\$7,289,878 \$803,888 \$27,413,503
1	O&M and PILOT Depreciation NIRB	\$7,211,133 \$836,222 \$26,152,762	\$6,801,902 \$749,823 \$26,296,442	\$6,911,743 \$735,000 \$26,033,795	\$6,453,241 \$740,722 \$26,860,747	\$7,659,341 \$803,888 \$27,413,503	\$7,289,878 \$803,888 \$27,413,503 6.309
1 2	O&M and PILOT Depreciation NIRB PSC Benchmark ROI %	\$7,211,133 \$836,222 \$26,152,762 5.70%	\$6,801,902 \$749,823 \$26,296,442 4.90%	\$6,911,743 \$735,000 \$26,033,795 4.90%	\$6,453,241 \$740,722 \$26,860,747 6.50%	\$7,659,341 \$803,888 \$27,413,503 6.30%	
1 2	O&M and PILOT Depreciation NIRB PSC Benchmark ROI % PSC Calculated ROI	\$7,211,133 \$836,222 \$26,152,762 5.70%	\$6,801,902 \$749,823 \$26,296,442 4.90%	\$6,911,743 \$735,000 \$26,033,795 4.90%	\$6,453,241 \$740,722 \$26,860,747 6.50%	\$7,659,341 \$803,888 \$27,413,503 6.30%	\$7,289,878 \$803,888 \$27,413,503 6.309
1 2	O&M and PILOT Depreciation NIRB PSC Benchmark ROI % PSC Calculated ROI Less:	\$7,211,133 \$836,222 \$26,152,762 5.70% \$1,490,707	\$6,801,902 \$749,823 \$26,296,442 4.90% \$1,288,526	\$6,911,743 \$735,000 \$26,033,795 4.90% \$1,275,656	\$6,453,241 \$740,722 \$26,860,747 6.50% \$1,745,949	\$7,659,341 \$803,888 \$27,413,503 6.30% \$1,727,051	\$7,289,878 \$803,888 \$27,413,503 6.309 \$1,727,051
1 2	O&M and PILOT Depreciation NIRB PSC Benchmark ROI % PSC Calculated ROI Less: Other Revenue	\$7,211,133 \$836,222 \$26,152,762 5.70% \$1,490,707	\$6,801,902 \$749,823 \$26,296,442 4.90% \$1,288,526	\$6,911,743 \$735,000 \$26,033,795 4.90% \$1,275,656	\$6,453,241 \$740,722 \$26,860,747 6.50% \$1,745,949	\$7,659,341 \$803,888 \$27,413,503 6.30% \$1,727,051	\$7,289,878 \$803,888 \$27,413,503 6.309 \$1,727,051
1 2	O&M and PILOT Depreciation NIRB PSC Benchmark ROI % PSC Calculated ROI Less: Other Revenue Revenue Requirement	\$7,211,133 \$836,222 \$26,152,762 5.70% \$1,490,707	\$6,801,902 \$749,823 \$26,296,442 4.90% \$1,288,526	\$6,911,743 \$735,000 \$26,033,795 4.90% \$1,275,656	\$6,453,241 \$740,722 \$26,860,747 6.50% \$1,745,949	\$7,659,341 \$803,888 \$27,413,503 6.30% \$1,727,051	\$7,289,878 \$803,888 \$27,413,503 6.309 \$1,727,051
1 2	O&M and PILOT Depreciation NIRB PSC Benchmark ROI % PSC Calculated ROI Less: Other Revenue Revenue Requirement (Costs less Other Income)	\$7,211,133 \$836,222 \$26,152,762 5.70% \$1,490,707 \$170,632 \$9,367,430	\$6,801,902 \$749,823 \$26,296,442 4.90% \$1,288,526 \$155,344 \$8,684,907	\$6,911,743 \$735,000 \$26,033,795 4.90% \$1,275,656 \$88,200 \$8,834,199	\$6,453,241 \$740,722 \$26,860,747 6.50% \$1,745,949 \$365,661 \$8,574,251	\$7,659,341 \$803,888 \$27,413,503 6.30% \$1,727,051 \$457,000 \$9,733,280	\$7,289,878 \$803,888 \$27,413,503 6.309 \$1,727,051 \$353,000 \$9,467,817

Notes

Alncludes recommended debt coverage at 1.4x annual debt payment



Table 2 Water Utility Rate Performance Charts



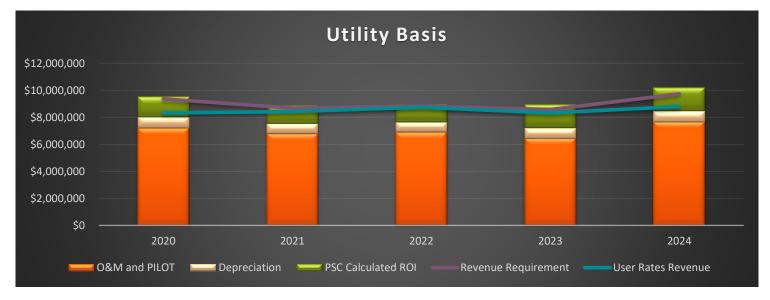




Table 3 Water Utility Cash Flow Analysis - Historical 2019-2023

		Ac	tual		Estimated
	2019	2020	2021	2022	2023
Revenues					
Total Revenues from User Rates	\$8,321,364	\$8,331,638	\$8,433,304	\$8,749,226	\$8,323,457
Percent Increase to User Rates		3.89%			0.66%
Total Other Revenues	\$175,656	\$97,172	\$248,004	\$259,819	\$365,661
Total Revenues	\$8,497,020	\$8,428,810	\$8,681,308	\$9,009,045	\$8,689,118
Less: Expenses					
Operating and Maintenance	\$6,212,034	\$6,141,660	\$5,904,669	\$6,057,636	\$5,655,043
PILOT Payment	\$965,840	\$1,069,473	\$897,233	\$854,107	\$798,198
Net Before Debt Service and Capital Expenditures	\$1,319,146	\$1,217,677	\$1,879,406	\$2,097,302	\$2,235,877
Existing Debt P&I	\$1,584,636	\$2,762,516	\$1,645,156	\$3,774,069	\$1,426,029
Transfer In (Out)/Cap. Contrib.	\$265,641	\$214,257	\$1,537,409	\$250,729	\$3,233,927
Less: Capital Improvements	\$2,585,876	\$1,756,120	\$1,439,805	\$294,313	\$3,233,927
Debt Proceeds/Grants	\$2,721,265	\$1,757,494	\$2,348,052	\$0	\$0
Reconcile to Audit	\$800,324	\$177,918	\$93,932	-\$213,755	\$0
Net Annual Cash Flow	\$935,864	(\$1,151,290)	\$2,773,838	(\$1,934,106)	\$809,848
Restricted and Unrestricted Cash Balance:					
Balance at first of year	(\$2,282,879)	(\$1,347,014)	(\$2,498,304)	\$275,534	(\$1,658,572)
Net Annual Cash Flow Addition/(subtraction)	\$935,864	(\$1,151,290)	\$2,773,838	(\$1,934,106)	\$809,848
Balance at end of year	(\$1,347,014)	(\$2,498,304)	\$275,534	(\$1,658,572)	(\$848,724)



Table 4 Water Utility Financial Benchmarking Analysis

City of West Allis, WI

		Act	ual		Estimated	Budget
	2019	2020	2021	2022	2023	2024
Target minimum cash balance						
Target minimum working capital - Ehlers ¹	5,497,958	4,162,398	6,322,983	3,906,879	4,204,192	4,591,981
Actual Days Cash Available - PSC ²	(76)	(142)	16	(97)	(59)	(36)
Actual Days Cash Available - Moody's ³	(79)	(148)	17	(100)	(61)	(37)
Actual Days Cash Available - S&P ⁴	(79)	(148)	17	(100)	(61)	(37)
Actual working capital-cash balance	(1,347,014)	(2,498,304)	275,534	(1,658,572)	(942,897)	(681,979)
Over (Under) Ehlers target	(6,844,972)	(6,660,702)	(6,047,449)	(5,565,450)	(5,147,089)	(5,273,960)
Over (Under) PSC target (90 days)	(166)	(232)	(74)	(187)	(149)	(126)
Over (Under) Moody's target (150 days)	(229)	(298)	(133)	(250)	(211)	(187)
Over (Under) S&P target (150 days)	(229)	(298)	(133)	(250)	(211)	(187)

- 1) Target capital equals 4 mos of next year's operating expenses, including depreciation, plus 100% of following year's debt.
- 2) PSC formula = O&M expense + taxes + interest on long term debt ÷ 365 to get expense per day. Then Unrestricted Cash ÷ expense per day
- 3) Moody's Formula = [(Unrestricted Cash + Liquid Investments) * 365 days] ÷ Total O&M Expenses less Depreciation
- 4) S&P Formula = [(Unrestricted Cash + Liquid Investments) * 365 days] ÷ Total O&M Expenses less Depreciation; include designated reserve funds: ERFs, RSFs, etc

Rate of Return							
Total Utility Plant in service BOY	35,323,673	37,512,784	38,362,258	38,894,518	38,881,539	38,918,346	
Total Utility Plant in service EOY	37,512,784	38,362,258	38,894,518	38,881,539	38,918,346	43,805,092	
Average Total Plant in Service	36,418,229	37,937,521	38,628,388	38,888,029	38,899,943	41,361,719	
Contributed Plant in Service BOY	10,828,210	10,748,021	10,866,474	12,345,626	14,041,018	17,249,121	
Contributed Plant in Service EOY	10,748,021	10,866,474	12,345,626	14,041,018	17,249,121	17,249,121	
Avg Contributed Plant in Service	10,788,116	10,807,248	11,606,050	13,193,322	15,645,070	17,249,121	
Utility Plant Accumulated Depreciation BOY	10,873,956	11,170,493	11,791,470	12,506,803	13,080,058	13,771,849	
Utility Plant Accumulated Depreciation EOY	11,170,493	11,791,470	12,506,803	13,080,058	13,771,849	14,425,001	
Avg. Utility Plant Accumulated Depreciation	11,022,225	11,480,982	12,149,137	12,793,431	13,425,954	14,098,425	
Average Utility Plant in Service	36,418,229	37,937,521	38,628,388	38,888,029	38,899,943	41,361,719	
Plus: Materials and Supplies	261,554	217,099	183,995	151,930	146,968	150,209	
Less: Avg. Utility Plant Accum. Depreciation	11,022,225	11,480,982	12,149,137	12,793,431	13,425,954	14,098,425	
Less: Regulatory Liability	674,949	520,877	366,805	212,733	67,848	0	
Average Net Investment Rate Base (NIRB)	24,982,609	26,152,762	26,296,442	26,033,795	25,553,109	27,413,503	
Net Operating Income	587,651	579,327	1,322,594	1,519,973	1,408,281	797,771	
ROR	2.35%	2.22%	5.03%	5.84%	5.51%	2.91%	
Benchmark	5.70%	4.90%	4.90%	4.90%	6.50%	6.30%	
				•	•		

<u>Cost Recovery</u>						
Operating Revenues	8,468,275	8,502,270	8,588,648	8,837,426	8,689,118	9,261,000
Operating Expenses incl. Depr & Amortization	8,047,201	8,206,326	7,551,725	7,646,743	7,442,550	8,711,816
Operating Expenses w/o Depr & Amortization	7,177,874	7,211,133	6,801,902	6,911,743	6,453,241	7,659,341
Cost Recovery incl. Depr	1.05	1.04	1.14	1.16	1.17	1.06
Cost Recovery w/o Depr	1.12	1.14	1.11	1.11	1.15	1.14
Target	1.00	1.00	1.00	1.00	1.00	1.00
				•	•	·



Notes:

This operating ratio indicates whether operating revenues (mostly charges to customers) were sufficient to cover operations and capital (in the form of depreciation) for the water and/or wastewater utility in the fiscal year.

A ratio of less than 1 could be a sign of financial concern. In general, this ratio should be higher than 1 to accommodate future capital investments.

Leverage						
Total Long-Term Debt	14,442,443	15,023,392	13,266,669	11,231,859	10,135,298	12,565,000
Total Net Assets	48,260,805	49,228,732	51,240,144	52,922,557	56,167,467	61,054,213
Debt-to Equity Ratio	0.30	0.31	0.26	0.21	0.18	0.21

Notes:

This indicator measures the existing level of leveraging of assets, and is used by funders and bond rating agencies to evaluate the risk of providing additional loans to the utility. The ratio indicates the amount of long-term debt that exists for every \$1 of assets (fund equity). A utility with a ratio greater than 1.0 has more long-term debt than equity in the system's assets. There are no natural benchmarks for this indicator, and funders and bond rating agencies will assess this ratio in various ways. In general, the higher this ratio, the more likely the utility will be considered to be over-leveraged and the more difficult it will be for the utility to obtain additional loans. For this ratio, Net Assets are equal to the Net Investment Rate Base of the utility.

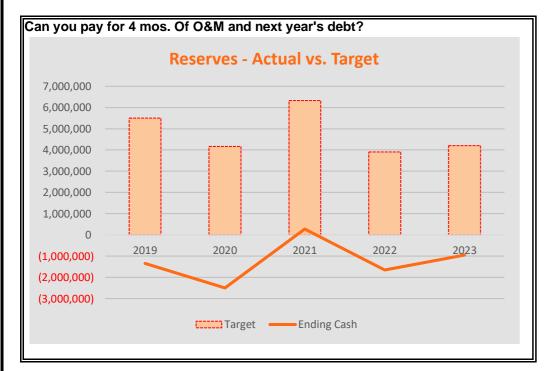
Condition of Assets:						
Accumulated Depreciation Expense	16,665,341	17,432,922	18,301,841	19,037,231	19,953,109	21,005,584
Total Net Assets	48,260,805	49,228,732	51,240,144	52,922,557	56,167,467	61,054,213
Asset Depreciation	34.53%	35.41%	35.72%	35.97%	35.52%	34.40%

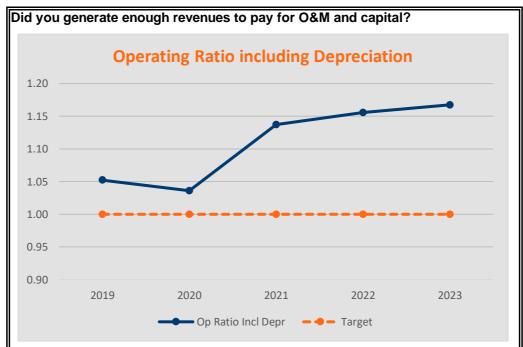
Notes:

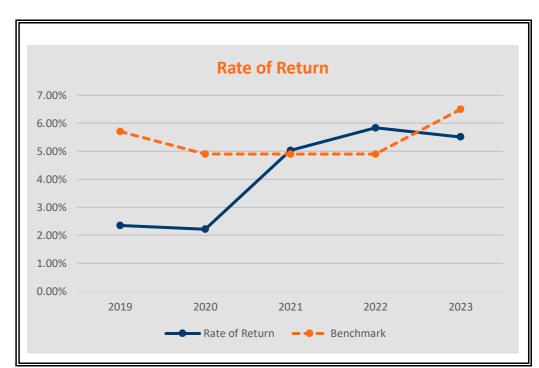
This indicator of infrastructure condition estimates the portion of the average expected life of the utility's physical assets that has already passed. As this ratio approaches 100%, the capital assets become fully depreciated, and infrastructure needs replacement or rehabilitation. The accuracy of this indicator relies heavily on the accuracy of the depreciation schedule, and historic pricing likely distorts this indicator (newer utilities may be slightly disadvantaged as a result).

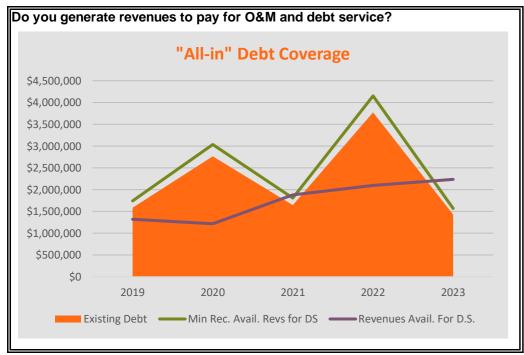


Table 5 Water Utility Financial Health Charts















2024 Water Rate Study: Phase 2

Section 2 — Long-Range Cash Flow Analysis



Table 6 Water Utility Capital Improvement Plan

City of West Allis, WI

Projects	Funding	2024	2025	2026	2027	2028	2029	2030	2031	2032	Totals
Water Portion of Streets	G.O. Debt	3,240,000	4,941,200	5,191,400	3,852,300	4,739,000	6,000,000	6,000,000	6,000,000	6,000,000	
Water Portion of Streets Other	G.O. Debt	165,000									165,00
Orill rig truck	G.O. Debt	250,000									250,00
Hydrants	G.O. Debt	100,000	110,000	121,000	133,100	146,410	161,051	177,156	194,872	214,359	1,357,94
Private lead service replacement	G.O. Debt	500,000									500,00
/an replacement	G.O. Debt	40,000									40,00
Water Main Relay	G.O. Debt	450,000	450,000	450,000	450,000	450,000	495,000	544,500	598,950	658,845	
Water meters	G.O. Debt	200,000	220,000	242,000	266,200	292,820	322,102	354,312	389,743	428,718	2,715,89
Reservoir / Pump Station - Upgrade Electrical System	G.O. Debt		992,000								992,00
Reservoir / Pump Station - New backup generator	G.O. Debt		550,000								550,00
Reservoir / Pump Station - Replace Control Valve Pump #1	G.O. Debt	350,000									350,00
Reservoir / Pump Station - Rebuild Motor #1	G.O. Debt	12,000									12,00
Reservoir / Pump Station - Full Drain, Clean, & Inspect 4 MG Underground Tanks	G.O. Debt	112,400									112,4
84th St Pump Station - Replace Control Valve Pump #1	G.O. Debt	75,000									75,00
84th St Pump Station - Expand Drive-way/Parking	G.O. Debt	10,000									10,00
34th St Pump Station - Cross-connection control on back-up generator (back-flow											
preventer)	G.O. Debt	2,500									2,50
84th St Pump Station - Insulating / Weather proofing	G.O. Debt	11,000									11,00
34th St Pump Station - Humidity issues	G.O. Debt	5,000									5,00
84th St Pump Station - Flow Meter Vault Repairs	G.O. Debt	82,000									82,0
34th & Rogers Water Tower - Grounding rod replacement	G.O. Debt	25,000									25,0
Reservoir Bypass Pump - Access hatch concrete deteriorating	G.O. Debt	8,000									8,00
Reservoir Bypass Pump - Access hatch not DNR compliant	G.O. Debt	8,000									8,00
Reservoir / Pump Station - Replace Windows	G.O. Debt	,		25,000							25,0
Reservoir / Pump Station - Replace HVAC	G.O. Debt			77,000							77,0
Reservoir / Pump Station - Option 1 - Retrofit existing bldg with 3 mgd pumps and				,							,
electric motors and variable frequency drives (VFD)	G.O. Debt	-	512,000								512,0
Maintenance & Storage Shed - demolish and replace	G.O. Debt		575,000								575,0
B4th & Rogers Water Tower - Painting	G.O. Debt		0.0,000		516,400						516,4
116th & Rogers Water Tower - Painting	G.O. Debt				628,000						628,00
Reservoir / Pump Station - Replace Control Valve Pump #2	G.O. Debt				020,000	350,000					350,00
Reservoir / Pump Station - New Asphalt Driveway	G.O. Debt					25,000					25,00
84th St Pump Station - Replace Back-up Generator	G.O. Debt					550,000					550,00
34th St Pump Station - Electrical System Upgrade	G.O. Debt					992,000					992,00
84th St Pump Station - Replace and upgrade HVAC system	G.O. Debt					75,000					75,00
34th St Pump Station - Gas meter reconfigured	G.O. Debt					17,000					17,00
Reservoir Bypass Pump - Replace	G.O. Debt					264,000					264,00
Actual CIP Costs	0.0. DCbt	5,645,900	8 350 200	6 106 400	5,846,000	·	6 978 153	7,075,968	7 183 565	7,301,922	
actual GIF Gosts		3,043,300	0,330,200	0,100,400	3,040,000	7,301,230	0,970,133	1,013,900	7,105,505	7,301,322	02,309,
Sources of Funding		2024	2025	2026	2027	2028	2029	2030	2031	2032	
G.O. Debt		5,645,900	8,350,200	6,106,400	5,846,000	7,901,230	6,978,153	7,075,968	7,183,565	7,301,922	62,389,3
Revenue Debt		0	0	0	0	0	0	0	0	0	
Grants/Aids		0	0	0	0	0	0	0	0	0	
Special Assessment		0	0	0	0	0	0	0	0	0	
Cash		0	0	0	0	0	0	0	0	0	
Oddi			J	J	9	- 0	J	J	- 0		



Table 7

Capital Improvements Financing Plan City of West Allis, WI

	2024		2025		2026			2027			2028		2029			2030		2031			2032	
	G.O. Notes	Water Portion	G.O. Notes	Water Portion	G.O. Notes	Water Portion	(G.O. Notes	Water Portion		G.O. Notes	Water Portion	G.O. Not	S Water Portion		G.O. Notes	Water Portion	G.O. No	es	/ater ortion	G.O. Notes	Water Portion
	2024 Water		2025 Water		2026 Water			2027 Water			2028 Water		2029 Wa	er		2030 Water		2031 W			2032 Water	
CIP Projects ¹	Projects		Projects		Projects			Projects			Projects		Project			Projects		Projec	:S		Projects	
Sewer			_					_			_					_			_		_	
Water	5,645,900	5,645,900	8,350,200	8,350,200	6,106,400	6,106,400		5,846,000	5,846,000		7,901,230	7,901,230	6,978,			7,075,968	7,075,968	7,183		183,565	7,301,922	7,301,922
Storm	-		-		-			-			-				_	-			-		-	
Subtotal Project Costs	5,645,900	5,645,900	8,350,200	8,350,200	6,106,400	6,106,400		5,846,000	5,846,000		7,901,230	7,901,230	6,978,	6,978,153	3	7,075,968	7,075,968	7,18	,565 7	183,565	7,301,922	7,301,922
CIP Projects ¹	5,645,900	5,645,900	8,350,200	8,350,200	6,106,400	6,106,400		5,846,000	5,846,000		7,901,230	7,901,230	6,978	6,978,153	3	7,075,968	7,075,968	7,183	,565 7	183,565	7,301,922	7,301,922
Less Other Available Revenues Cash Available		0		0		0		(460,000)	(460,000)		(890,000)	(890,000)	(780,0	00) (780,000	1	(400,000)	(400,000)		_			
Net Borrowing Requirement	5,645,900	5,645,900	8,350,200	8,350,200	6,106,400	6,106,400		5,386,000	5,386,000	ŀ	7,011,230	7,011,230	6,198		<u>, </u>	6,675,968	6,675,968	7,18		183,565	7,301,922	7,301,922
																				·		
Estimated Issuance Expenses	149,588	149,588	191,650	191,650	156,900	156,900		146,975	146,975		173,013	173,013	160,	160,525	5	167,025	167,025	173	,763	173,763	175,563	175,563
TOTAL TO BE FINANCED	5,795,488	5,795,488	8,541,850	8,541,850	6,263,300	6,263,300		5,532,975	5,532,975		7,184,243	7,184,243	6,358	678 6,358,678	3	6,842,993	6,842,993	7,35	,328 7	357,328	7,477,484	7,477,484
																				<u></u>		
Estimated Interest Earnings 3.00%	(42,344)	(42,344) 3.00	(62,627)	(62,627)	3.00% (45,798)	(45,798)	3.00%	(43,845)	(43,845)	3.00%	(59,259)	(59,259)	3.00% (52,3	(52 <i>,</i> 336)	3.00%	(53,070)	(53,070)	3.00% (53	877)	(53,877) 3.00	(54,764)	(54,764)
Assumed spend down (months) 3.00		3.0	O O	-	3.00		3.00			3.00			3.00		3.00		_	3.00		3.0		
Rounding	1,857	1,857	777	777	2,498	2,498		870	870		17	17	3,0	3,658		76	76	1	549	1,549	2,280	2,280
NET BOND SIZE	5,755,000	5,755,000	8,480,000	8,480,000	6,220,000	6,220,000		5,490,000	5,490,000		7,125,000	7,125,000	6,310,0	00 6,310,000	, l	6,790,000	6,790,000	7,305	000 7	305,000	7.425.000	7,425,000

Notes:
1) Source of Project Totals



	n	- 34
	U	

Table 8
Water Utility Projected Debt Service Payments (PROPOSED)
City of West Allis, WI

5,75,75,000	E	General Obligation Prom Series 2024	n Notes	General Obli	gation Pror ries 2025	m Notes		bligation Proi Series 2026	m Notes	General (Obligation Prop Series 2027	n Notes	General Ob	ligation Pro		General Oblig	gation Promies 2029	Notes	Genera	al Obligatio Series 2	on Prom Not 2030	es	General Obligation Pro Series 2031	m Notes		Obligation Pro	om Notes	PROP	OSED Water	Utility Debt	Service Sumr	nary
A A A A A A A A	-																															
A A A A A A A A	D	10/1/2024		10	/1/2025			10/1/2026			10/1/2027		1	10/1/2028		10	/1/2029			10/1/20	030		10/1/2031			10/1/2032						
3.5 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	RE																															
Secondary Seco	E			9																												
0.00 3.75% 25.25% 275.75		3.43-4.2/0		3.	33-4.3 /0			3.03-4.470			4.23/0			4.23/0			+.23/0			4.23/	/0		4.23/0			4.25/0						
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		Principal Est. Rate ¹ Interest	Total	Principal Est. Rat	e ² Interest	Total	Principal Est. F	Rate Interest	Total	Principal Est	. Rate Interest	Total	Principal Est. R	ate Interes	t Total	Principal Est. Rat	e Interest	Total	Principal	Est. Rate I	Interest	Total	Principal Est. Rate Interes	t Total	Principal Est.	Rate Intere	st Total	Total Prin	Total Int	Total P&I	Prin Outstandir	ng
0 3,500 2,5340 0 3,500 3,500 3,500 3,500 0 3,5																												0	0	0	5,755,00	
22 23 50 00 23 500 25 25 00 0 3 500 25 25 00 0 1 790 8 40 74 0 1 500 0 25 780 8 28 78 0 25 780 8 28 78 0 25 780 8 28 78 0 25 780 8 28 78 0 25 780 8 28 78 0 25 780 8 28 78 0 25 780 8 28 78 0 25 780 8 28 78 0 25 78 0			,																									50,000	226,278	•	, ,	
20.000 3.450% 15.265 16.565 16.565 34.566 34.506 3.550% 15.276 15.000 3.550% 15.276 15.276 15.000 3.550% 15.276 15.000 3.550% 15.276 15.000 3.550% 15.276 15.000 3.550% 15.276 15.000 3.550% 15.276 15.276 15.276 15.275 15.276 15.275 15		•			•																							0	566,086			
1.000 1.00							•																									
13.45% 13.215 24.000 3.59% 13.215 24.000 3.59% 29.25 30.25 30.25					•		•																									
0.000 0.470% 209,75		· ·		· ·	· ·		•																					505,000	1,334,665			
10,000 3,500% 205,277 305,000 3,500% 205,278 305,000 3,500% 205,278 305,000 3,500% 205,278 305,000 3,500% 205,278 305,000 3,500% 205,288 305,000 3,500% 205,		100,000 3.450% 213,215	313,215	5 240,000 3.550%	6 320,226	560,226	140,000 3.65	50% 249,93	389,936	110,000 4.2	250% 228,43	8 338,438	20,000 4.250	0% 302,38	322,388	0 4.250%	268,175	268,175										610,000	1,582,376	2,192,376	44,525,00	0
3.50% 20.7.45 3.60% 20.7.45 3.		100,000 3.470% 209,755	309,755	5 240,000 3.550%	6 311,706	551,706	155,000 3.65	0% 244,55	399,552	110,000 4.2	250% 223,76	3 333,763	100,000 4.250	0% 299,83	399,838	0 4.250%	268,175	268,175	0	4.250%	298,350	298,350						705,000	1,856,137	2,561,137	51,125,00	
10,000 3,500% 15,550 5,500 4,500% 15,550 5,500		100,000 3.500% 206,270	306,270	0 240,000 3.570%	6 303,162	543,162	170,000 3.65	238,62	408,621	110,000 4.2	250% 219,08	8 329,088	100,000 4.250	0% 295,58	395,588	55,000 4.250%	267,006	322,006	0	4.250%	283,156	283,156	0 4.250% 310,40	63 310,4	63			775,000	2,123,352		57,775,00	
10000 3.750% 181,375 6		100,000 3.550% 202,745	302,745	5 260,000 3.600%	6 294,198	554,198	190,000 3.67	70% 232,03	422,032	110,000 4.2	250% 214,41	3 324,413	100,000 4.250	0% 291,33	391,338	55,000 4.250%	264,669	319,669	65,000	4.250%	267,325	332,325	0 4.250% 310,40	63 310,4	63 0 4.2	250% 315,5	315,563	880,000	2,392,743	3,272,743	56,895,00	
10000 3.900% 156,595 945,595 60,000 4.250% 151,500 95,000 4.250% 278,588 378,585 60,000 4.250% 278,588 378,388 55,000 4.250% 255,519 310,000 4.250% 278,588 378,388 55,000 4.250% 255,191 310,000 4.250% 278,588 378,388 55,000 4.250% 255,191 310,000 4.250% 278,588 378,388 55,000 4.250% 278,588 378,388 55,000 4.250% 278,588 378,388 55,000 4.250% 278,588 378,388 55,000 4.250% 278,588 378,388 55,000 4.250% 278,588 378,388 55,000 4.250% 278,588 378,388 55,000 4.250% 278,388 378,388 55,000			,	· ·	•	,				110,000 4.2	•			0% 287,08	387,088	55,000 4.250%		317,331	65,000	4.250%	250,750	315,750		,						3,612,455	55,620,00	
10,000 4,000		500,000 3.750% 181,375	681,375	5 530,000 3.750%	6 265,528	795,528	230,000 3.75	216,46	446,463	110,000 4.2	250% 205,06	315,063	100,000 4.250	0% 282,83	382,838	55,000 4.250%	259,994	314,994	65,000	4.250%	233,431	298,431	70,000 4.250% 306,00	00 376,0	00 65,000 4.2	250% 314,1	.81 379,181	1,725,000	2,264,871	3,989,871	53,895,00	0
10,000 4,100% 79,020 1,219,020 90,000 4,100% 182,100 1,0		790,000 3.900% 156,595	946,595	5 640,000 3.850%	6 243,270	883,270	290,000 3.85	206,56	496,568	110,000 4.2	250% 200,38	8 310,388	100,000 4.250	0% 278,58	378,588	55,000 4.250%	257,656	312,656	65,000	4.250%	215,369	280,369	70,000 4.250% 303,03	25 373,0	25 65,000 4.2	250% 311,4	376,419	2,185,000	2,172,876	4,357,876	51,710,00	0
27,825		970,000 4.000% 121,790	1,091,790	0 760,000 4.000%	6 215,750	975,750	350,000 3.95	194,07	73 544,073	110,000 4.2	250% 195,71	305,713	100,000 4.250	0% 274,33	374,338	55,000 4.250%	255,319	310,319	65,000	4.250%	196,563	261,563	70,000 4.250% 300,09	50 370,0	50 65,000 4.2	.50% 308,6	373,656	2,545,000	2,062,250	4,607,250	49,165,00	0
2,79,000 4.300% 59,985 2,849,985 485,000 4.300% 59,985 2,849,985 485,000 4.300% 59,985 2,994,460 655,000 4.250% 181,688 291,688 100,000 4.250% 181,688 291,688 100,000 4.250% 281,500 4.250% 291,125 361,125 65,000 4.25		1,140,000 4.100% 79,020	1,219,020	0 900,000 4.100%	6 182,100	1,082,100	415,000 4.10	178,65	593,653	110,000 4.2	250% 191,03	8 301,038	100,000 4.250	0% 270,08	370,088	55,000 4.250%	252,981	307,981	65,000	4.250%	177,013	242,013	70,000 4.250% 297,0	75 367,0	75 65,000 4.2	250% 305,8	370,894	2,920,000	1,933,860	4,853,860	46,245,00	0
2,930,00 4.40% 64,460 2,994,460 675,00 4.25% 165,006 840,00 3,545,000 4.25% 25,663 572,663 35,00 4.25% 25,663 572,663 35,00 4.25% 25,663 572,663 35,00 4.25% 28,155 55,00 4.25% 28,155 55,00 4.25% 28,155 55,00 4.25% 294,844 359,844 4,630,000 1,426,798 5,860,798 35,010,00 4.25% 294,844 4,955,000		1,325,000 4.200% 27,825	1,352,825	5 1,040,000 4.200%	6 141,810	1,181,810	485,000 4.20	159,96	644,960	110,000 4.2	250% 186,36	3 296,363	100,000 4.250	0% 265,83	365,838	55,000 4.250%	250,644	305,644	65,000	4.250%	156,613	221,613	70,000 4.250% 294,10	00 364,1	00 65,000 4.2	250% 303,2	.31 368,131	3,315,000	1,786,283	5,101,283	42,930,00	0
3,545,000 4.250% 75,331 3,620,331 3,520,331 3,				2,790,000 4.300%	6 59,985	2,849,985	485,000 4.30	139,34	624,348	110,000 4.2	250% 181,68	8 291,688	100,000 4.250	0% 261,58	361,588	55,000 4.250%	248,306	303,306	65,000	4.250%	135,256	200,256	70,000 4.250% 291,12	25 361,1	25 65,000 4.2	250% 300,3	365,369	3,740,000	1,617,664	5,357,664	39,190,00	0
4,955,000 4.250% 105,294 5,060,294 5							2,930,000 4.40	64,46	2,994,460	675,000 4.2	250% 165,00	6 840,006	320,000 4.250	252,66	572,663	55,000 4.250%	245,969	300,969	65,000	4.250%	112,944	177,944	70,000 4.250% 288,1	50 358,1	50 65,000 4.2	250% 297,6	362,606	4,180,000	1,426,798	5,606,798	35,010,00	0
5,650,000 4.250% 120,063 5,770,063 65,000 4.250% 39,950 104,950 70,000 4.250% 279,225 349,225 65,000 4.250% 289,319 354,319 5,850,000 728,556 65,785,56 19,320,000 4.250% 13,494 6,023,494 70,000 4.250% 13,494 6,023,494 70,000 4.250% 137,381 6,602,381 65,000 4.250% 283,794 348,794 6,530,000 42,175 6,951,175 6,645,000 4.250% 13,494 6,023,494 70,000 4.250% 13,494 70,000 4.250% 13,494										3,545,000 4.2	250% 75,33	1 3,620,331	830,000 4.250	0% 228,22	25 1,058,225	55,000 4.250%	243,631	298,631	65,000	4.250%	89,675	154,675	70,000 4.250% 285,1	75 355,1	75 65,000 4.2	250% 294,8	359,844	4,630,000	1,216,881	5,846,881	30,380,00	0
6,010,000 4.250% 13,494 6,023,494 70,000 4.250% 276,250 346,250 65,000 4.250% 286,556 351,556 6,145,000 576,300 6,721,300 13,175,000 6,465,000 4.250% 137,381 6,602,381 65,000 4.250% 283,794 348,794 6,530,000 421,175 6,951,175 6,645,000 6,721,300													4,955,000 4.250	0% 105,29	5,060,294	55,000 4.250%	241,294	296,294	65,000	4.250%	65,344	130,344	70,000 4.250% 282,20	00 352,2	00 65,000 4.2	250% 292,0	357,081	5,210,000	986,213	6,196,213	25,170,00	0
6,465,000 4.250% 137,381 6,602,381 65,000 4.250% 283,794 348,794 6,530,000 421,175 6,951,175 6,645,000																5,650,000 4.250%	120,063	5,770,063	65,000	4.250%	39,950	104,950	70,000 4.250% 279,23	25 349,2	25 65,000 4.2	250% 289,3	354,319	5,850,000	728,556	6,578,556	19,320,00	0
6,465,000 4.250% 137,381 6,602,381 65,000 4.250% 283,794 348,794 6,530,000 421,175 6,951,175 6,645,000																			6,010,000	4.250%	13,494 6,	,023,494	70,000 4.250% 276,25	50 346,2	50 65,000 4.2	250% 286,5	351,556	6,145,000	576,300	6,721,300	13,175,00	0
																										250% 283,7		6,530,000			6,645,00	
																							·		6,645,000 4.2	250% 141,2		6,645,000	141,206			0
5,000 $2,706,438$ $8,461,438$ $8,480,000$ $3,967,336$ $12,447,336$ $6,220,000$ $3,120,211$ $9,340,211$ $5,490,000$ $2,535,231$ $10,016,213$ $10,0$		5,755,000 2,706,438																								·						

Notes:
1) Rate assumes NR sale + .25

Legend:

Maturities subject to optional redemption (callable)

Legend:

Maturities subject to optional redemption (callable)



Table 9 Water Utility Cash Flow Analysis - Projected 2024-2033

	Budget					Projected				
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Revenues										
Total Revenues from User Rates ¹	\$8,804,000	\$9,978,411	\$9,978,411	\$10,377,547	\$10,792,649	\$13,234,334	\$13,234,334	\$13,763,708	\$14,314,256	\$14,314,256
Percent Increase to User Rates	0.00%	13.34%	0.00%	4.00%	4.00%	22.62%	0.00%	4.00%	4.00%	0.00%
Cumulative Percent Rate Increase	0.00%	13.34%	13.34%	17.87%	22.59%	50.32%	50.32%	56.33%	62.59%	62.59%
Dollar Amount Increase to Revenues		\$1,174,411	\$0	\$399,136	\$415,102	\$2,441,685	\$0	\$529,373	\$550,548	\$0
Other Revenues										
Interest Income	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Income	\$457,000	\$461,570	\$466,186	\$470,848	\$475,556	\$480,312	\$485,115	\$489,966	\$499,765	\$509,760
Total Other Revenues	\$457,000	\$461,570	\$466,186	\$470,848	\$475,556	\$480,312	\$485,115	\$489,966	\$499,765	\$509,760
Total Revenues	\$9,261,000	\$10,439,981	\$10,444,596	\$10,848,395	\$11,268,205	\$13,714,646	\$13,719,449	\$14,253,674	\$14,814,021	\$14,824,017
Less: Expenses										
Operating and Maintenance ²	\$6,805,143	\$7,009,297	\$7,219,576	\$7,436,163	\$7,659,248	\$7,889,026	\$8,125,697	\$8,369,468	\$8,620,552	\$8,879,168
PILOT Payment	\$854,198	\$913,992	\$932,272	\$950,917	\$998,463	\$1,018,432	\$1,038,801	\$1,059,577	\$1,080,769	\$1,102,384
Net Before Debt Service and Capital Expenditures	\$1,601,659	\$2,516,691	\$2,292,748	\$2,461,314	\$2,610,494	\$4,807,188	\$4,554,951	\$4,824,629	\$5,112,701	\$4,842,465
Debt Service										
Existing Debt P&I	\$1,300,254	\$1,226,554	\$1,207,354	\$1,101,410	\$888,848	\$719,738	\$624,948	\$518,037	\$442,858	\$324,568
New (2024-2033) Debt Service P&I	\$0	\$276,278	\$566,086	\$937,910	\$1,412,601	\$1,839,665	\$2,192,376	\$2,561,137	\$2,898,352	\$3,272,743
Total Debt Service	\$1,300,254	\$1,502,831	\$1,773,439	\$2,039,320	\$2,301,449	\$2,559,403	\$2,817,324	\$3,079,174	\$3,341,210	\$3,597,310
Transfer In (Out)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Less: Capital Improvements	\$5,795,488	\$8,541,850	\$6,263,300	\$5,992,975	\$8,074,243	\$7,138,678	\$7,242,993	\$7,357,328	\$7,477,484	\$0
Debt Proceeds	\$5,755,000	\$8,480,000	\$6,220,000	\$5,490,000	\$7,125,000	\$6,310,000	\$6,790,000	\$7,305,000	\$7,425,000	\$0
Net Annual Cash Flow	\$260,918	\$952,010	\$476,009	(\$80,981)	(\$640,197)	\$1,419,107	\$1,284,635	\$1,693,127	\$1,719,007	\$1,245,154
Restricted and Unrestricted Cash Balance:										
Balance at first of year	(\$942,897)	(\$681,979)	\$270,031	\$746,040	\$665,059	\$24,862	\$1,443,969	\$2,728,603	\$4,421,731	\$6,140,738
Net Annual Cash Flow Addition/(subtraction)	\$260,918	\$952,010	\$476,009	(\$80,981)	(\$640,197)	\$1,419,107	\$1,284,635	\$1,693,127	\$1,719,007	\$1,245,154
Balance at end of year	(\$681,979)	\$270,031	\$746,040	\$665,059	\$24,862	\$1,443,969	\$2,728,603	\$4,421,731	\$6,140,738	\$7,385,892
"All-in" Debt Coverage	1.23	1.67	1.29	1.21	1.13	1.88	1.62	1.57	1.53	1.35
Over (Under) Ehlers target reserves	(5,273,960)	(4,781,638)	(4,739,311)	(5,269,617)	(6,363,782)	(5,392,385)	(4,563,394)	(3,330,323)	(2,033,116)	(1,063,306)

Assumes no changes in customer count or usage beyond Test Year.
 Assumes 3.00% annual inflation beyond budget year.

Legend:

Simplified Rate Case (projected eligibility) Conventional (Full) Rate Case

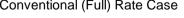




Table 10 Water Utility Financial Benchmarking Analysis Projected 2024 - 2033

City of West Allis, WI

	Budget					Projected				
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Target minimum cash balance										
Target minimum working capital - Ehlers ¹	4,591,981	5,051,668	5,485,351	5,934,676	6,388,644	6,836,354	7,291,998	7,752,054	8,173,854	8,449,198
Actual Days Cash Available - PSC ²	(36)	13	34	29	1	57	102	157	208	239
Actual Days Cash Available - Moody's ³	(37)	14	38	33	1	67	123	193	260	304
Actual Days Cash Available - S&P ⁴	(37)	14	38	33	1	67	123	193	260	304
Actual working capital-cash balance	(681,979)	270,031	746,040	665,059	24,862	1,443,969	2,728,603	4,421,731	6,140,738	7,385,892
Over (Under) Ehlers target	(5,273,960)	(4,781,638)	(4,739,311)	(5,269,617)	(6,363,782)	(5,392,385)	(4,563,394)	(3,330,323)	(2,033,116)	(1,063,306)
Over (Under) PSC target (90 days)	(126)	(77)	(56)	(61)	(89)	(33)	12	67	118	149
Over (Under) Moody's target (150 days)	(187)	(136)	(112)	(117)	(149)	(83)	(27)	43	110	154
Over (Under) S&P target (150 days)	(187)	(136)	(112)	(117)	(149)	(83)	(27)	43	110	154

Notes:

- 1) Target capital equals 4 mos of next year's operating expenses, including depreciation, plus 100% of following year's debt.
- 2) PSC formula = O&M expense + taxes + interest on long term debt ÷ 365 to get expense per day. Then Unrestricted Cash ÷ expense per day
- 3) Moody's Formula = [(Unrestricted Cash + Liquid Investments) * 365 days] ÷ Total O&M Expenses less Depreciation
- 4) S&P Formula = [(Unrestricted Cash + Liquid Investments) * 365 days] ÷ Total O&M Expenses less Depreciation; include designated reserve funds: ERFs, RSFs, etc

Rate of Return										
Average Utility Plant in Service	41,361,719	47,980,192	55,208,492	61,184,692	68,058,307	75,497,999	82,525,059	89,654,826	96,897,569	100,548,530
Plus: Materials and Supplies	150,209	150,209	150,209	150,209	150,209	150,209	150,209	150,209	150,209	150,209
Less: Avg. Utility Plant Accum. Depreciation	14,098,425	14,555,277	15,097,359	16,068,078	17,228,622	18,647,185	20,432,321	22,521,767	24,919,224	27,945,186
Less: Regulatory Liability	0	0	0	0	0	0	0	0	0	0
Average Net Investment Rate Base (NIRB)	27,413,503	33,575,124	40,261,342	45,266,823	50,979,894	57,001,023	62,242,948	67,283,268	72,128,554	72,753,553
Net Operating Income	797,771	1,421,120	858,496	758,888	617,108	2,475,510	1,910,945	1,863,790	1,830,077	1,342,973
ROR	2.91%	4.23%	2.13%	1.68%	1.21%	4.34%	3.07%	2.77%	2.54%	1.85%
PSC Projected Benchmark	6.30%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%
Rate Adj. to benchmark	10.56%	5.9%	15.6%	18.9%	22.6%	7.1%	13.8%	15.8%	17.4%	21.1%
Cost Recovery										
Operating Revenues	9,261,000	10,439,981	10,444,596	10,848,395	11,268,205	13,714,646	13,719,449	14,253,674	14,814,021	14,824,017
Operating Expenses incl. Depr & Amortization	7,857,618	8,353,456	8,902,416	9,387,176	9,901,221	10,469,290	11,018,290	11,578,893	12,151,763	12,627,246
Operating Expenses w/o Depr & Amortization	6,805,143	7,009,297	7,219,576	7,436,163	7,659,248	7,889,026	8,125,697	8,369,468	8,620,552	8,879,168
Cost Recovery incl. Depr	1.18	1.25	1.17	1.16	1.14	1.31	1.25	1.23	1.22	1.17
Cost Recovery w/o Depr	1.15	1.19	1.23	1.26	1.29	1.33	1.36	1.38	1.41	1.42
Target	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Notes:

This operating ratio indicates whether operating revenues (mostly charges to customers) were sufficient to cover operations and capital (in the form of depreciation) for the water and/or wastewater utility in the fiscal year. A ratio of < 1 could be a sign of financial concern. In general, this ratio should be > 1 to accommodate future capital investments.

Leverage										
Total Long-Term Debt	12,565,000	19,920,000	25,055,000	29,425,000	35,370,000	40,510,000	46,105,000	52,215,000	58,440,000	57,245,000
Total Net Assets	61,054,213	69,404,413	75,510,813	81,356,813	89,258,043	96,236,196	103,312,164	110,495,729	117,797,651	117,797,651
Debt-to Equity Ratio	0.21	0.29	0.33	0.36	0.40	0.42	0.45	0.47	0.50	0.49

Notes:

This indicator measures the existing level of leveraging of assets, and is used by funders and rating agencies to evaluate the risk of providing additional loans to the utility. The ratio indicates the amount of long-term debt that exists for every \$1 of assets (fund equity). A utility with a ratio > 1 has more long-term debt than equity in the system's assets. There are no natural benchmarks for this indicator, and funders and rating agencies will assess this ratio in various ways. In general, the higher this ratio, the more likely the utility will be considered to be over-leveraged and the more difficult it will be for the utility to obtain additional loans. Net Assets are equal to the Net Investment Rate Base of the utility.

Condition of Assets:										
Accumulated Depreciation Expense	14,098,425	14,555,277	15,097,359	16,068,078	17,228,622	18,647,185	20,432,321	22,521,767	24,919,224	27,945,186
Total Net Assets	61,054,213	69,404,413	75,510,813	81,356,813	89,258,043	96,236,196	103,312,164	110,495,729	117,797,651	117,797,651
Asset Depreciation	23.09%	20.97%	19.99%	19.75%	19.30%	19.38%	19.78%	20.38%	21.15%	23.72%

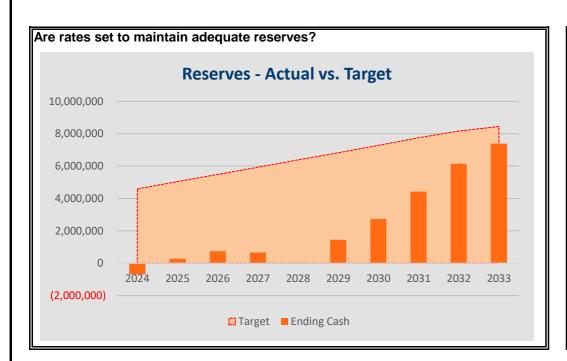
Notes:

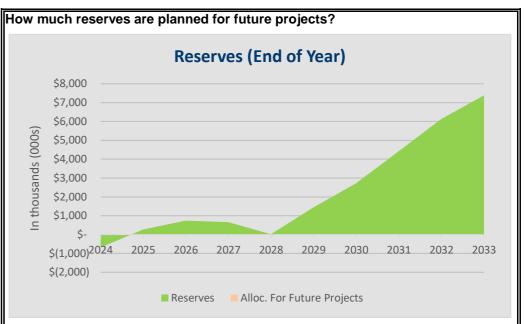
This indicator of infrastructure condition estimates the portion of the average expected life of the utility's physical assets that has already passed.

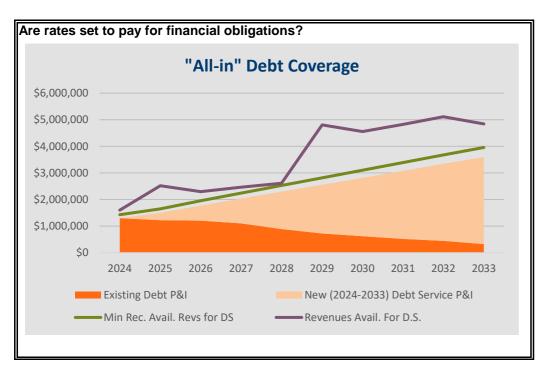
As this ratio approaches 100%, the capital assets become fully depreciated, and infrastructure needs replacement or rehabilitation. The accuracy of this indicator relies heavily on the accuracy of the depreciation schedule, and historic pricing likely distorts this indicator (newer utilities may be slightly disadvantaged as a result).

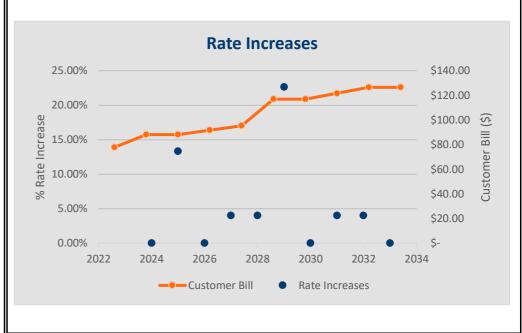


Table 11 Water Utility Long-Range Planning Analysis











2024 Water Rate Study: Phase 2

Section 3 — Rate Impact Analysis



Table 12

Projected Impact of CIP on Typical Residential Utility Bill

City of West Allis, WI

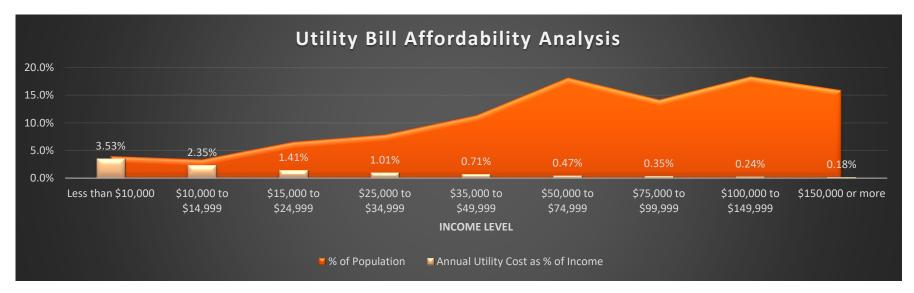
					Wate	er			_			-				
	Year		Increase	Water Vol. Charge ¹	Water User Charge ²		ility Bill arterly)		nge Over or Year			Utility Bill (Annual)		Change Over Prior Year % of MHI (72,458)		Year
				<u>Tiered</u>	Serv. + PFP											
	2023			2.67	36.28	\$	77.83				\$	311.30			0.43%	2023
	2024		0.00%	2.67	36.28	\$	77.83	\$	-		\$	311.30	\$	-	0.43%	2024
	2025		13.34%	3.03	41.12	\$	88.21	\$	10.38		\$	352.83	\$	41.53	0.49%	2025
	2026		0.00%	3.03	41.12	\$	88.21	\$	-		\$	352.83	\$	-	0.49%	2026
	2027		4.00%	3.15	42.76	\$	91.73	\$	3.53		\$	366.94	\$	14.11	0.51%	2027
	2028		4.00%	3.27	44.47	\$	95.40	\$	3.67		\$	381.62	\$	14.68	0.53%	2028
	2029		22.62%	4.01	54.54	\$	116.99	\$	21.58		\$	467.95	\$	86.34	0.65%	2029
	2030		0.00%	4.01	54.54	\$	116.99	\$	-		\$	467.95	\$	-	0.65%	2030
	2031		4.00%	4.17	56.72	\$	121.67	\$	4.68		\$	486.67	\$	18.72	0.67%	2031
	2032		4.00%	4.34	58.99	\$	126.53	\$	4.87		\$	506.14	\$	19.47	0.70%	2032
	2033		0.00%	4.34	58.99	\$	126.53	\$	-		\$	506.14	\$	-	0.70%	2033
Total Change over planning period								\$	48.71				\$	194.84		

- 1. Current water volumetric rate is \$2.67 per 100 cubic feet for the first 10,000 cubic feet.
- 2. The water user charges include a quarterly service charge of \$21.01 plus a public fire protection charge of \$15.27 for a 5/8 inch meter.
- 3. The current Sewer volumetric rate is \$21.50 for the first 0-10 CCF and \$2.15 per CCF for anything over 10 CCF for 5/8 inch meter.
- 4. The usage is assumed to be 1,556 CF per quarter.



Table 13 Projected Impact of CIP on Typical Residential Utility Bill - Affordability

City of West Allis, WI



- 1) Utility Cost taken as a 5-year average of water bills for an average (5/8 in meter; 1556 CCF/mo.) Residential User.
- 2) City Income Level from U.S. Census Bureau's American Community Survey.
- 3) 14.% of residential customers are estimated to have less than \$25,000 of income. These households will have spent more than 2.43% of their income under the 4-year average for this plan.

