



State Facilities Estimated Water Use and Costs

Fiscal Year 2022 Report
Final June 2023

Facilities include:
University of Wisconsin System
Department of Administration
Department of Corrections
Department of Health Services
Department of Veterans Affairs
Department of Public Instruction
Department of Natural Resources
Department of Transportation

Wisconsin Office of Energy Innovation

State of Wisconsin

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June 22, 2023

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University of Wisconsin System
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Department of Health Services
Department of Public Instruction
Department of Veterans Affairs
Department of Natural Resources
Department of Transportation

This report is a work in progress to provide estimated water use and costs intended for State of Wisconsin facility managers as an initial assessment of water use and to develop water management and conservation plans. Future reports are planned to document water and sewer management plans will be based on coordinated input from facility managers and their water utilities.

This material is based upon work supported by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) under the State Energy Program Award Number DE-EE0008669.

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Water and sewer utility costs and resulting water use estimates were compiled, and report prepared, by Innovative Business Engineering, McFarland, Wisconsin.

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Executive Summary

The commercial and institutional buildings sector is the second largest consumer of publicly supplied water in the United States, accounting for 17 percent of the withdrawals from public water supplies. This sector includes a variety of facility types, such as hotels, restaurants, office buildings, schools, hospitals, laboratories, and government and military institutions. Each facility type has different water use patterns depending upon its function and use. Water use is included with energy reports to include energy savings and GHG CO2e emissions associated with the changes or reductions in facility water use. All water delivered from a public supply system requires energy for conveyance and treatment. Based on publicly available data it is estimated that it takes 2.1 kilowatt hours of electricity to supply 1,000 gallons of water from the public supply. This includes energy required for pumping raw water, water filtration, treatment, and distribution. Many products generate wastewater as well, and it is estimated that it takes an additional 2.5 kilowatt hours of electricity to treat 1,000 gallons of residential wastewater at a treatment plant. Therefore, the embedded energy and CO2e footprint of water from the public supply is 4.6 kilowatt hours of electricity per thousand gallons supplied for products that create wastewater.

Beginning in Fiscal Year 2021 (FY2021), the State Energy Report has been expanded to include facility estimated water use and sewer accounting reports to record, track, and communicate the water use and water municipal utilities for state facilities. The methodology for estimating water use is based on agency water and sewer utility expenditures by water utility vendor in *OpenBook Wisconsin*, along with corresponding water utility vendor rates from annual PSCW report data.

The water and sewer utility costs per gross square foot (\$/GSF) were used for Fiscal Year 2018 through 2022 overall agency accounting and reporting:

	Water & Sewer \$/GSF	2018	2019	2020	2021	2022
UW	University of Wisconsin System	\$ 0.24	\$ 0.26	\$ 0.24	\$ 0.23	\$ 0.26
DOC	Corrections, Department of	\$ 1.21	\$ 1.25	\$ 1.31	\$ 1.08	\$ 1.13
DHS	Health Services, Department of	\$ 0.50	\$ 0.52	\$ 0.56	\$ 0.39	\$ 0.40
DOA	Administration, Department of	\$ 0.17	\$ 0.16	\$ 0.19	\$ 0.14	\$ 0.19
DVA	Veterans Affairs, Department of	\$ 0.46	\$ 0.44	\$ 0.44	\$ 0.28	\$ 0.23
DOA	Administration, Department of	\$ 0.17	\$ 0.16	\$ 0.19	\$ 0.14	\$ 0.19
DVA	Veterans Affairs, Department of	\$ 0.46	\$ 0.44	\$ 0.44	\$ 0.28	\$ 0.23
DOT	Transportation, Department of	\$ 0.57	\$ 0.51	\$ 0.58	\$ 0.51	\$ 0.57
		\$ 0.35	\$ 0.37	\$ 0.37	\$ 0.31	\$ 0.35

The detail *OpenBook Wisconsin* agency water and sewer utility data by municipal water vendors and annual rates from PSCW annual reports by facility location were used to estimate facility water use. In addition to municipal water use, facility well and lake water use data from WDNR water permit reports was included.

The State Facilities Estimated Water Use and Costs Report is designed to assist facility managers involved in facility resource conservation. Appendix A - Case Study Water Conservation at EPA and contains water reduction strategies, including the importance of monitoring and tracking water use and costs. Appendix B - All Agencies Utilities Water & Sewer Expenditures and Appendix C - Water & Sewer Facility Water Utility Data for Future Analysis summarizes State water and sewer utility expenditures per building area benchmarks (\$/GSF). Appendix C also includes water utility information with more than \$1 million per year municipal utilities sewer and water expenditures for state facilities.

The water use estimates herein are approximate and require verification with actual meter data.

Introduction - Facilities Estimated Water Use and Costs

BACKGROUND

In order to understand the effects of energy use, water use and GHG emissions on water quality, air quality and human health, there needs to be recurring reports and studies on these effects. The State Facilities Energy Use, Energy GHG CO₂e Emissions and Estimated Water Use Reports are also useful for any measurement towards progress of conservation and CO₂e goals. This will also allow statewide agencies and decision-makers to collaborate to make better-informed decisions on how to reduce use and emissions. Without these data reports and studies it would be hard to measure progress and see if implemented policies have yielded the intended impacts. These State Reports are developed to track State of Wisconsin facilities' consumption and GHG emissions to measure and help inform agencies regarding progress in Wisconsin's conservation and emissions-reduction goals.

Beginning in FY2021, the State Facilities Estimated Water Use and Costs Report was developed for the largest State of Wisconsin owned and operated facilities. These facilities account for the majority of water consumed and buildings owned by the State of Wisconsin. Values for each agency reflect buildings owned but not necessarily occupied by that agency. Agencies addressed in this report include the following: Department of Public Instruction (DPI), University of Wisconsin System (UWS), Department of Health Services (DHS), Department of Corrections (DOC), Department of Veterans Affairs (DVA), the Department of Administration (DOA), Department of Natural Resources (DNR); and Department of Transportation (DOT).

WATER USE ACCOUNTING AND TRACKING

The water use accounting and tracking reports were designed to record, track, and communicate the estimated water use of state buildings. Reducing facility water use not only makes sense at the facility level, but it also helps communities to delay costly infrastructure upgrades, while preserving our limited water supplies for future generations. The principles of water efficiency are becoming ingrained in the commercial real estate market as an integral part of green building and sustainable event planning. Implementing specific measures that make a facility more water and energy efficient helps an organization earn recognition from local green building programs, EPA and the U.S. Energy Department's (DOE's) ENERGY STAR, or the U.S. Green Building Council's LEED rating system. At the same time, many national, state, and local organizations have instituted environmental requirements for both their own facilities and those where meetings and conferences are held. Facilities can strengthen their ability to compete in this growing market niche by undertaking specific water- and energy-efficiency measures.

The State Facilities Estimated Water Use and Costs Report was designed for facility managers involved in facility resource conservation to help:

- Assess facility water use and verify actual use and costs with water & sewer utilities.
- Establish a water management plan.
- Effectively communicate and achieve water management goals.
- Reduce water loss from leaks.
- Generate ideas for increasing the efficiency of water-using fixtures, equipment, systems, and processes.
- Identify opportunities for reusing onsite alternative water to replace potable water use.

Refer to <https://www.epa.gov/watersense>, WaterSense, a voluntary partnership program sponsored by the U.S. Environmental Protection Agency (EPA), seeks to protect the future of our nation's water supply. Also, refer to Appendix A - Case Study Water Conservation at EPA as an example program for implementation at facilities, starting with monitoring and tracking water use as discussed herein.

Statewide Water Use and Costs Summary



SCOPE

Includes the major facilities in eight state agencies. Agencies and facilities are discussed individually in this report.

Total Agency Water & Sewer Costs from <https://openbook.wi.gov/data> and State Energy Report GSF:

Water & Sewer Costs		2018	2019	2020	2021	2022
UW	University of Wisconsin System	\$ 13,253,467	\$ 14,725,726	\$ 13,792,165	\$ 12,870,545	\$ 14,654,268
DOC	Corrections, Department of	\$ 9,602,015	\$ 9,938,057	\$ 10,439,751	\$ 8,608,853	\$ 8,952,322
DHS	Health Services, Department of	\$ 2,065,677	\$ 2,164,879	\$ 2,342,656	\$ 1,623,569	\$ 1,659,970
DOA	Administration, Department of	\$ 671,963	\$ 665,956	\$ 810,239	\$ 579,560	\$ 782,487
DVA	Veterans Affairs, Department of	\$ 338,642	\$ 325,467	\$ 325,564	\$ 205,137	\$ 170,613
DOA	Administration, Department of	\$ 671,963	\$ 665,956	\$ 810,239	\$ 579,560	\$ 782,487
DVA	Veterans Affairs, Department of	\$ 338,642	\$ 325,467	\$ 325,564	\$ 205,137	\$ 170,613
DOT	Transportation, Department of	\$ 155,235	\$ 140,198	\$ 158,906	\$ 139,933	\$ 157,169
		\$ 27,097,606	\$ 28,951,705	\$ 29,005,083	\$ 24,812,293	\$ 27,329,928

State Energy Report Gross Square Feet		FY18	FY19	FY20	FY21	FY22
UW	University of Wisconsin System	56,277,114	56,085,860	56,777,115	56,933,788	56,928,424
DOC	Corrections, Department of	7,939,611	7,939,611	7,939,611	7,939,611	7,939,611
DHS	Health Services, Department of	4,159,400	4,159,400	4,159,400	4,159,400	4,159,400
DOA	Administration, Department of	3,968,416	4,202,931	4,202,931	4,202,931	4,202,931
DVA	Veterans Affairs, Department of	733,728	733,728	733,728	733,728	745,179
DOA	Administration, Department of	3,968,416	4,202,931	4,202,931	4,202,931	4,202,931
DVA	Veterans Affairs, Department of	733,728	733,728	733,728	733,728	745,179
DOT	Transportation, Department of	274,395	274,395	274,395	274,395	274,395
		78,054,808	78,332,584	79,023,839	79,180,512	79,198,050

Water & Sewer \$/GSF		2018	2019	2020	2021	2022
UW	University of Wisconsin System	\$ 0.24	\$ 0.26	\$ 0.24	\$ 0.23	\$ 0.26
DOC	Corrections, Department of	\$ 1.21	\$ 1.25	\$ 1.31	\$ 1.08	\$ 1.13
DHS	Health Services, Department of	\$ 0.50	\$ 0.52	\$ 0.56	\$ 0.39	\$ 0.40
DOA	Administration, Department of	\$ 0.17	\$ 0.16	\$ 0.19	\$ 0.14	\$ 0.19
DVA	Veterans Affairs, Department of	\$ 0.46	\$ 0.44	\$ 0.44	\$ 0.28	\$ 0.23
DOA	Administration, Department of	\$ 0.17	\$ 0.16	\$ 0.19	\$ 0.14	\$ 0.19
DVA	Veterans Affairs, Department of	\$ 0.46	\$ 0.44	\$ 0.44	\$ 0.28	\$ 0.23
DOT	Transportation, Department of	\$ 0.57	\$ 0.51	\$ 0.58	\$ 0.51	\$ 0.57
		\$ 0.35	\$ 0.37	\$ 0.37	\$ 0.31	\$ 0.35

University of Wisconsin System (UWS)



SCOPE

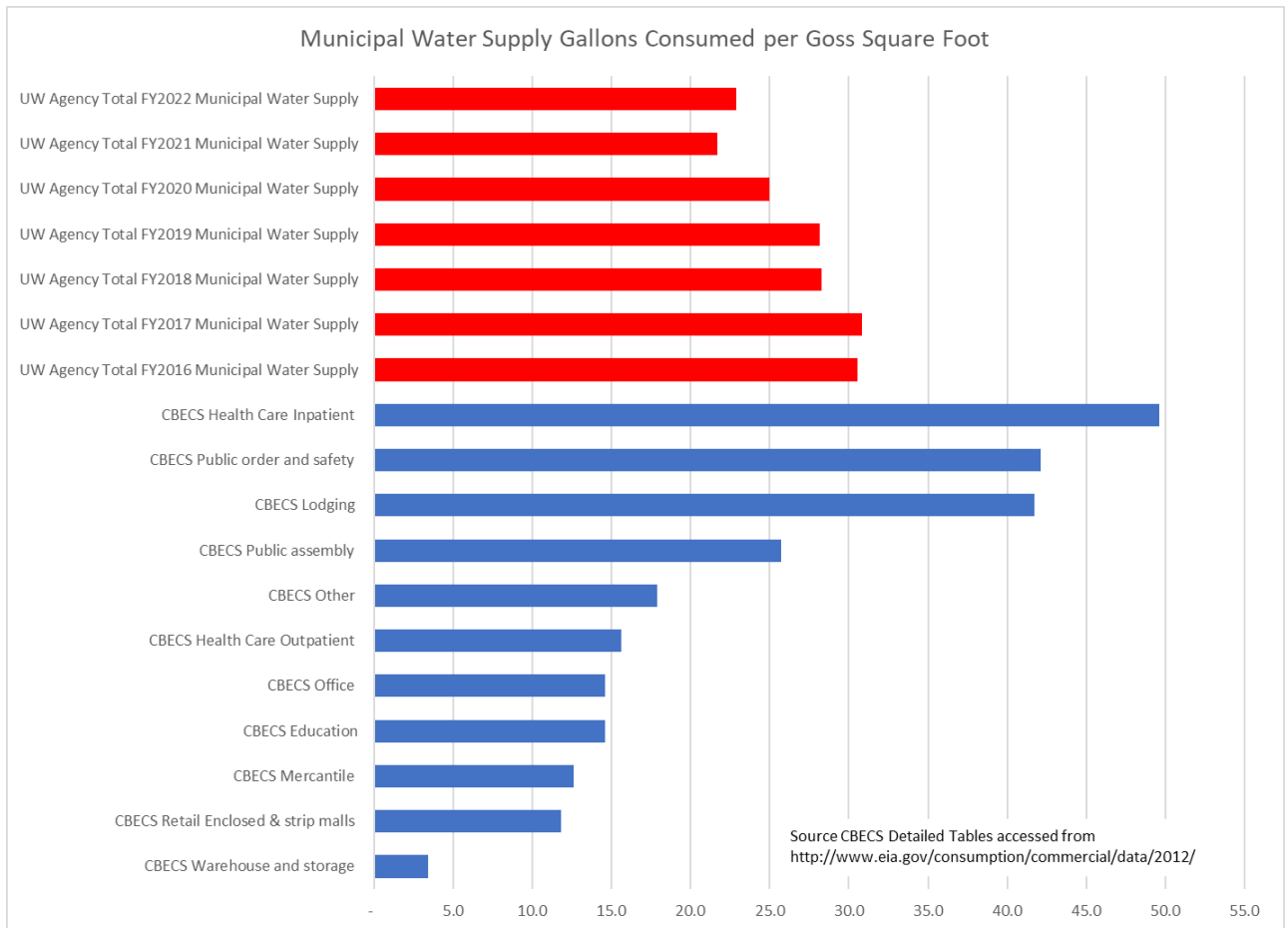
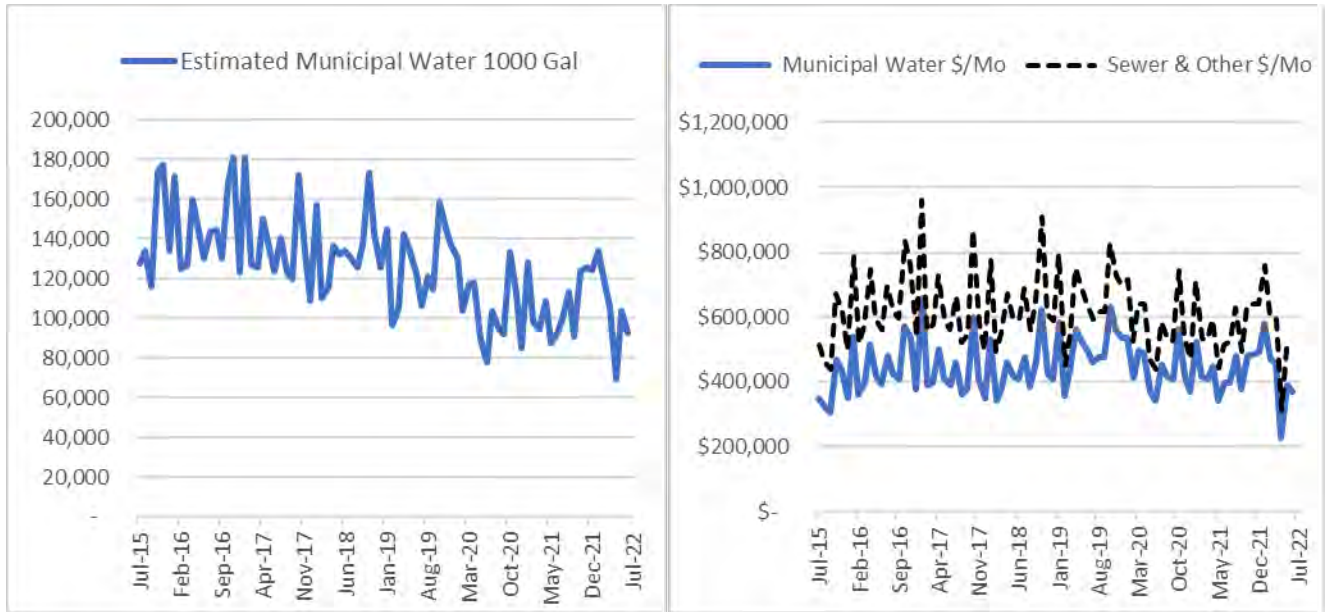
Includes 13-four year university campuses: Eau Claire; Green Bay; La Crosse; Madison; Milwaukee; Oshkosh; Parkside; Platteville; River Falls; Stevens Point; Stout; Superior; and Whitewater.

Also, includes 13 two-year college campuses: Baraboo/Sauk County; Barron County; Fond du Lac; Fox Valley; Manitowoc; Marathon County; Marinette; Marshfield/Wood County; Richland; Rock County; Sheboygan; Washington County; and Waukesha.

UW Agency Total		Own Well/Lake= No			Muni Water Supply				
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF	
2016	56,261,332	1,719,636	-	1,719,636	30.57		30.57	\$ 0.30	
2017	56,277,114	1,734,623	-	1,734,623	30.82		30.82	\$ 0.34	
2018	56,277,114	1,590,428	-	1,590,428	28.26		28.26	\$ 0.31	
2019	56,085,860	1,579,142	-	1,579,142	28.16		28.16	\$ 0.35	
2020	56,777,115	1,419,195	-	1,419,195	25.00		25.00	\$ 0.34	
2021	56,933,788	1,233,114	-	1,233,114	21.66		21.66	\$ 0.30	
2022	56,928,424	1,303,193	-	1,303,193	22.89		22.89	\$ 0.30	

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 4,852,975	\$ 11,840,287	41.0%	\$ -	\$ 2.82		\$ 2.82	\$ 9.71
2017	\$ 5,546,336	\$ 13,570,502	40.9%	\$ -	\$ 3.20		\$ 3.20	\$ 11.02
2018	\$ 5,104,197	\$ 12,472,123	40.9%	\$ -	\$ 3.21		\$ 3.21	\$ 11.05
2019	\$ 5,754,846	\$ 13,634,614	42.2%	\$ -	\$ 3.64		\$ 3.64	\$ 12.28
2020	\$ 5,780,550	\$ 13,292,546	43.5%	\$ -	\$ 4.07		\$ 4.07	\$ 13.44
2021	\$ 5,168,855	\$ 11,894,541	43.5%	\$ -	\$ 4.19		\$ 4.19	\$ 13.84
2022	\$ 5,206,105	\$ 12,031,775	43.3%	\$ -	\$ 3.99		\$ 3.99	\$ 13.23

Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.89		-	1.39	2.62			0.0800
2017	1.96		-	1.45	2.84			0.0877
2018	1.97		-	1.45	2.86			0.0808
2019	1.95		-	1.45	2.82			0.0794
2020	2.00		-	1.45	2.90			0.0725
2021	2.11		-	1.45	3.06			0.0663
2022	2.09		-	1.45	3.03			0.0693



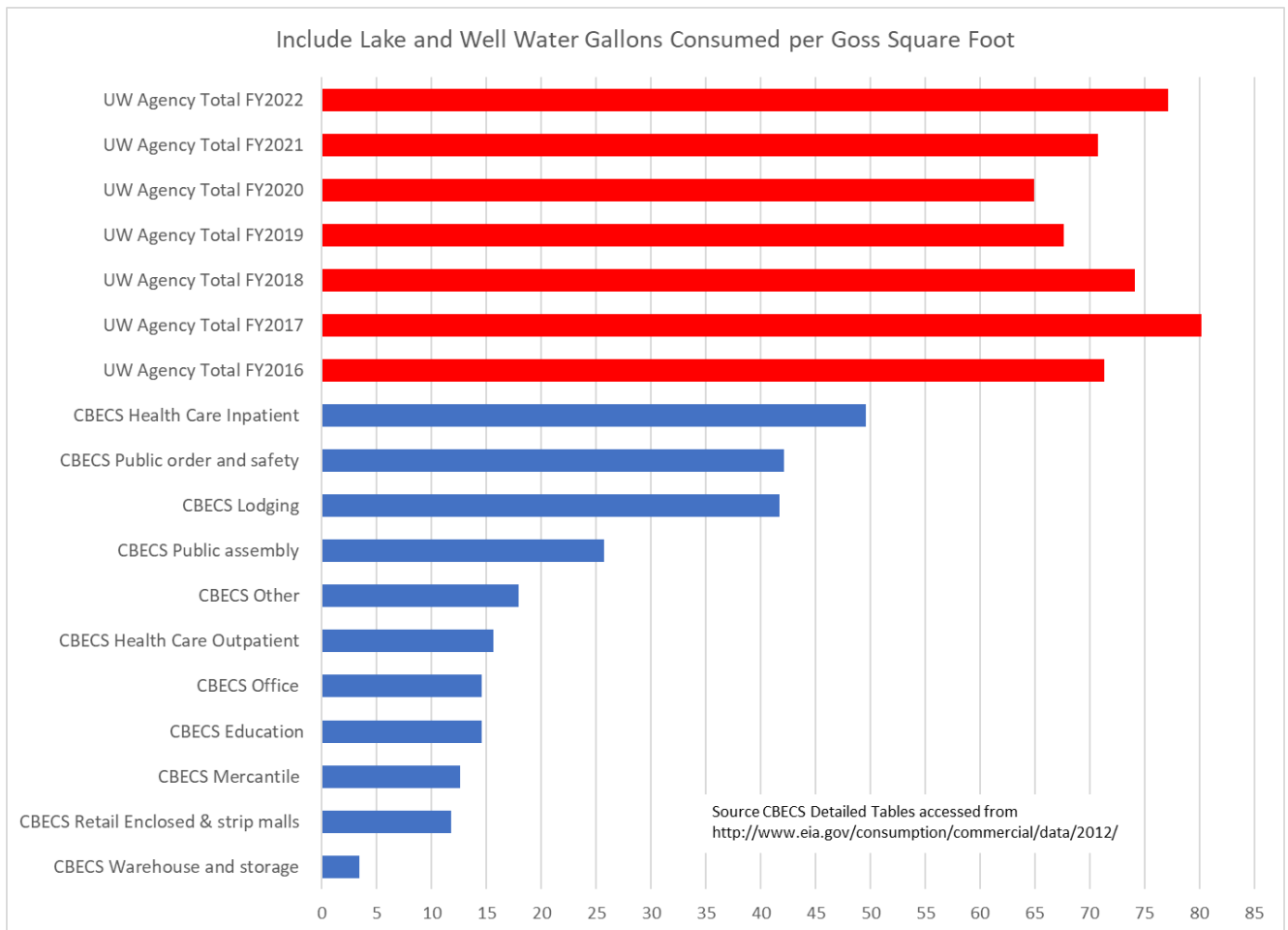
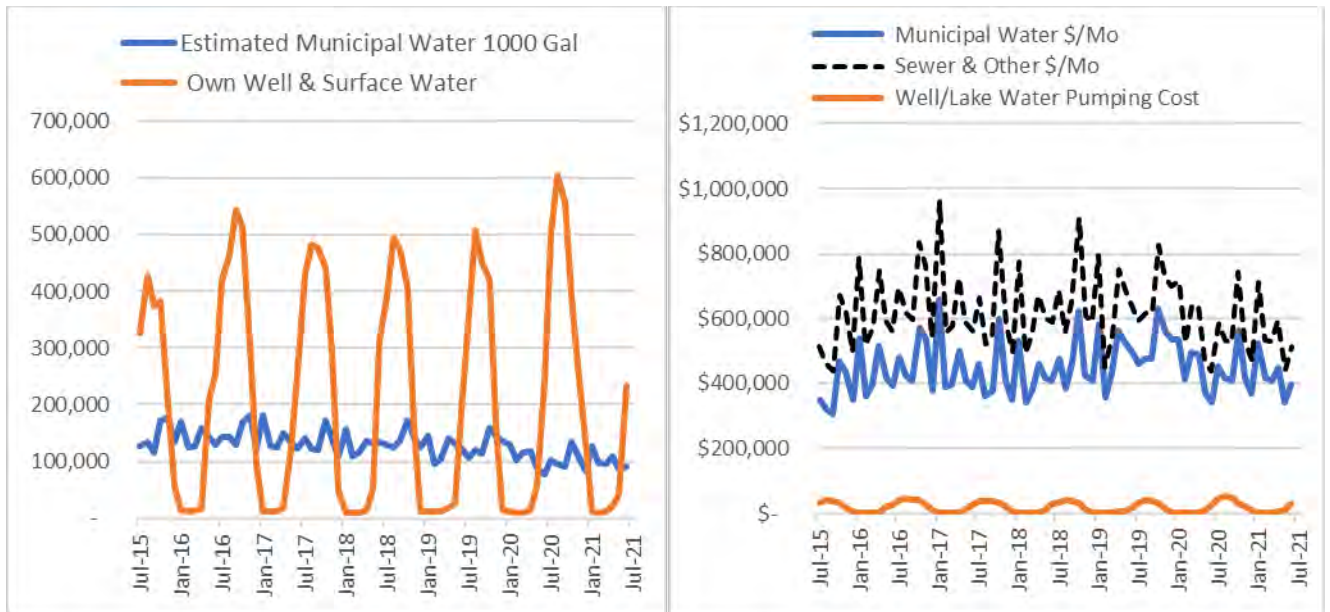
UW Agency Total		Own Well/Lake= Yes		Include Lake and Well Water					
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF	
2016	56,261,332	1,719,636	2,291,415	4,011,050	30.57	40.73	71.29	\$ 0.30	
2017	56,277,114	1,734,623	2,779,298	4,513,921	30.82	49.39	80.21	\$ 0.34	
2018	56,277,114	1,590,428	2,581,236	4,171,663	28.26	45.87	74.13	\$ 0.32	
2019	56,085,860	1,579,142	2,214,750	3,793,891	28.16	39.49	67.64	\$ 0.35	
2020	56,777,115	1,419,195	2,266,390	3,685,585	25.00	39.92	64.91	\$ 0.34	
2021	56,933,788	1,233,114	2,795,317	4,028,431	21.66	49.10	70.76	\$ 0.30	
2022	56,928,424	1,303,193	3,088,328	4,391,521	22.89	54.25	77.14	\$ 0.31	

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 4,852,975	\$ 11,840,287	41.0%	\$ 225,724	\$ 2.82	\$ 0.10	\$ 2.92	\$ 4.22
2017	\$ 5,546,336	\$ 13,570,502	40.9%	\$ 248,202	\$ 3.20	\$ 0.09	\$ 3.29	\$ 4.29
2018	\$ 5,104,197	\$ 12,472,123	40.9%	\$ 221,015	\$ 3.21	\$ 0.09	\$ 3.29	\$ 4.27
2019	\$ 5,754,846	\$ 13,634,614	42.2%	\$ 196,984	\$ 3.64	\$ 0.09	\$ 3.73	\$ 5.16
2020	\$ 5,780,550	\$ 13,292,546	43.5%	\$ 209,159	\$ 4.07	\$ 0.09	\$ 4.17	\$ 5.23
2021	\$ 5,168,855	\$ 11,894,541	43.5%	\$ 261,390	\$ 4.19	\$ 0.09	\$ 4.29	\$ 4.30
2022	\$ 5,206,105	\$ 12,031,775	43.3%	\$ 301,715	\$ 3.99	\$ 0.10	\$ 4.09	\$ 3.99

Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.89	1.02	2,338,766	1.39	1.93	0.0416	141.88	0.1376
2017	1.96	0.98	2,722,629	1.45	1.97	0.0484	165.12	0.1578
2018	1.97	0.96	2,470,308	1.45	1.95	0.0439	149.82	0.1444
2019	1.95	0.98	2,173,324	1.45	2.00	0.0387	132.25	0.1355
2020	2.00	0.99	2,248,007	1.45	2.00	0.0396	135.13	0.1299
2021	2.11	0.98	2,740,822	1.45	1.92	0.0481	164.30	0.1361
2022	2.09	1.01	3,128,888	1.45	1.93	0.0550	187.58	0.1489

UW-Madison's lake water pumping and distribution system provides over 500 million gallons per year for Charter Street, Walnut Street and West Campus Cogeneration Central Plants for makeup and cooling water from Lake Mendota for boiler, chilled water, compressed air and electric generator systems.

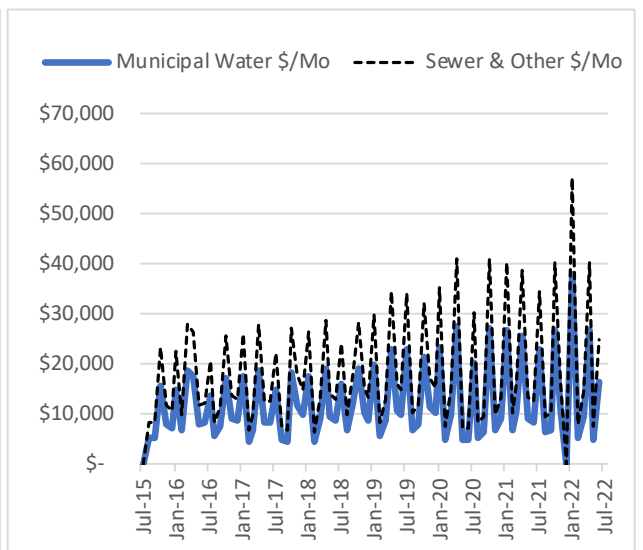
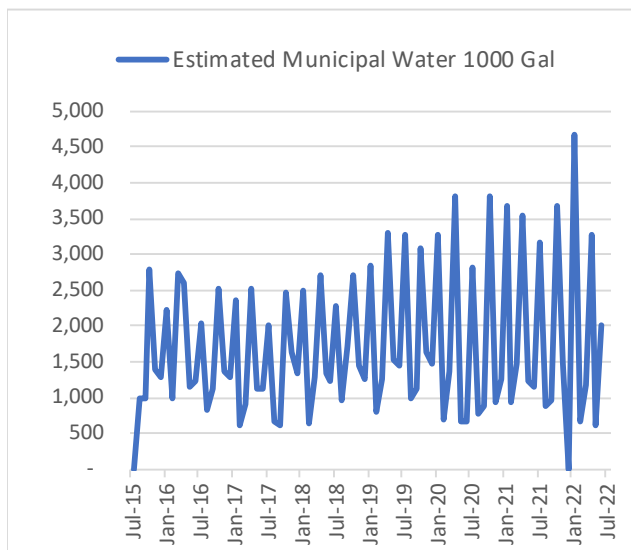
UW-Milwaukee's lake water pumping and distribution system provides over 2,500 million gallons per year of once through cooling water supply/return from Lake Michigan for central plant cooling and chiller condenser heat rejection.



UW-Green Bay Own Well/Lake= No Vendor = Village of Allouez Water Department								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	1,386,055	18,395	-	18,395	13.27		13.27	\$ 0.29
2017	1,386,055	17,840	-	17,840	12.87		12.87	\$ 0.32
2018	1,386,055	18,439	-	18,439	13.30		13.30	\$ 0.34
2019	1,386,055	21,547	-	21,547	15.55		15.55	\$ 0.38
2020	1,386,058	22,049	-	22,049	15.91		15.91	\$ 0.39
2021	1,386,058	22,477	-	22,477	16.22		16.22	\$ 0.41
2022	1,386,058	22,567	-	22,567	16.28		16.28	\$ 0.44

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 115,847	\$ 289,616	40.0%	\$ -	\$ 6.30		\$ 6.30	\$ 22.04
2017	\$ 126,246	\$ 315,614	40.0%	\$ -	\$ 7.08		\$ 7.08	\$ 24.77
2018	\$ 132,919	\$ 332,297	40.0%	\$ -	\$ 7.21		\$ 7.21	\$ 25.23
2019	\$ 151,214	\$ 378,035	40.0%	\$ -	\$ 7.02		\$ 7.02	\$ 24.56
2020	\$ 156,114	\$ 390,285	40.0%	\$ -	\$ 7.08		\$ 7.08	\$ 24.78
2021	\$ 162,685	\$ 406,712	40.0%	\$ -	\$ 7.24		\$ 7.24	\$ 25.33
2022	\$ 175,406	\$ 438,515	40.0%	\$ -	\$ 7.77		\$ 7.77	\$ 27.20

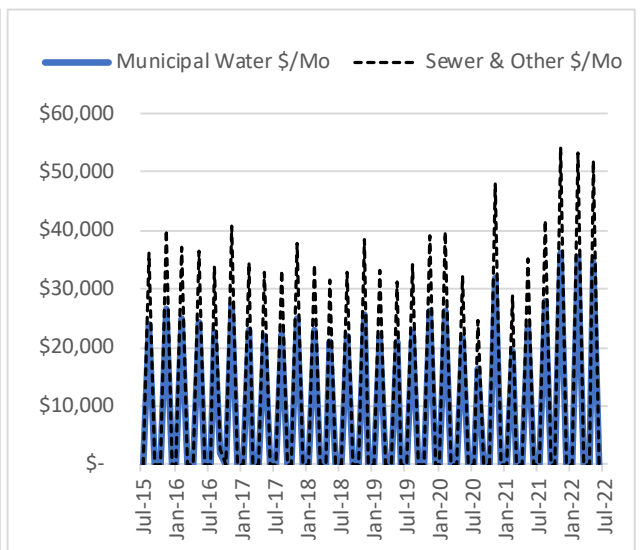
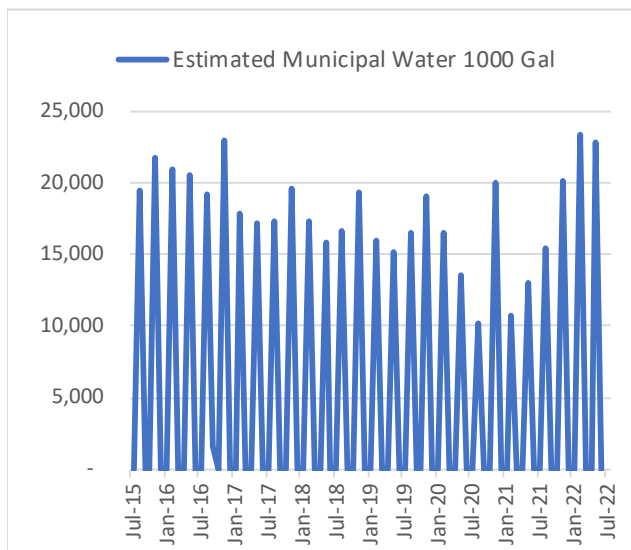
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	0.28		-	1.39	0.39			0.0052
2017	0.26		-	1.45	0.37			0.0048
2018	0.25		-	1.39	0.35			0.0047
2019	0.28		-	1.39	0.39			0.0061
2020	2.00		-	1.39	2.79			0.0444
2021	2.00		-	1.39	2.79			0.0452
2022	0.27		-	1.39	0.38			0.0062



UW-La Crosse Own Well/Lake= No Vendor = La Crosse Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	3,008,972	82,719	-	82,719	27.49		27.49	\$ 0.12
2017	3,008,972	78,720	-	78,720	26.16		26.16	\$ 0.11
2018	3,008,972	69,954	-	69,954	23.25		23.25	\$ 0.11
2019	3,008,972	67,180	-	67,180	22.33		22.33	\$ 0.11
2020	3,207,814	65,566	-	65,566	20.44		20.44	\$ 0.11
2021	3,220,082	54,021	-	54,021	16.78		16.78	\$ 0.10
2022	3,069,582	81,809	-	81,809	26.65		26.65	\$ 0.15

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 99,792	\$ 249,480	40.0%	\$ -	\$ 1.21		\$ 1.21	\$ 4.22
2017	\$ 96,597	\$ 241,492	40.0%	\$ -	\$ 1.23		\$ 1.23	\$ 4.29
2018	\$ 91,090	\$ 227,724	40.0%	\$ -	\$ 1.30		\$ 1.30	\$ 4.56
2019	\$ 90,573	\$ 226,432	40.0%	\$ -	\$ 1.35		\$ 1.35	\$ 4.72
2020	\$ 96,949	\$ 242,373	40.0%	\$ -	\$ 1.48		\$ 1.48	\$ 5.18
2021	\$ 91,186	\$ 227,966	40.0%	\$ -	\$ 1.69		\$ 1.69	\$ 5.91
2022	\$ 134,308	\$ 335,770	40.0%	\$ -	\$ 1.64		\$ 1.64	\$ 5.75

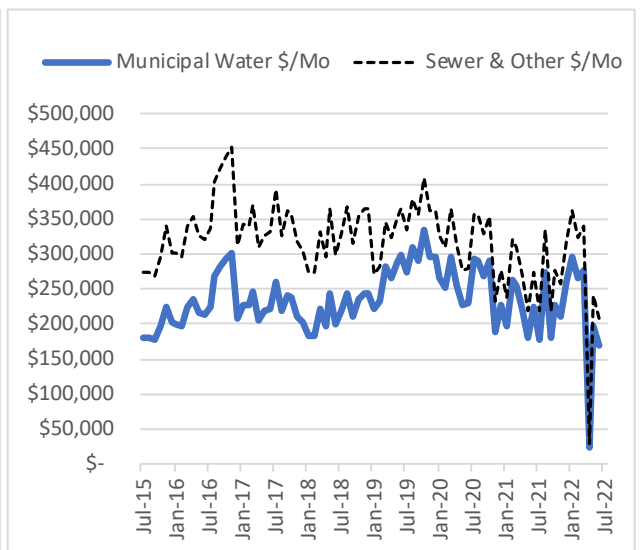
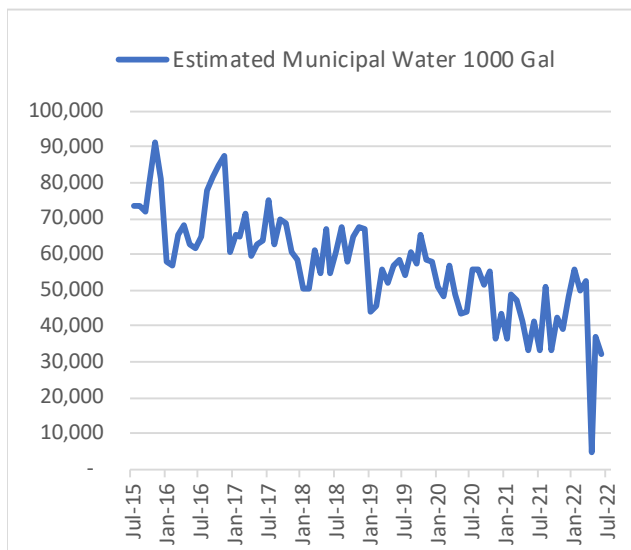
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.33		-	1.39	1.84			0.0506
2017	1.45		-	1.45	2.10			0.0551
2018	1.56		-	1.39	2.17			0.0505
2019	1.46		-	1.39	2.04			0.0456
2020	1.35		-	1.39	1.88			0.0384
2021	1.36		-	1.39	1.90			0.0319
2022	1.37		-	1.39	1.91			0.0509



UW-Madison Own Well/Lake= No Vendor = Madison Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	22,931,250	845,073	-	845,073	36.85		36.85	\$ 0.38
2017	22,947,032	845,175	-	845,175	36.83		36.83	\$ 0.45
2018	22,947,032	734,770	-	734,770	32.02		32.02	\$ 0.40
2019	22,755,778	698,880	-	698,880	30.71		30.71	\$ 0.44
2020	22,885,751	646,262	-	646,262	28.24		28.24	\$ 0.47
2021	22,885,751	546,160	-	546,160	23.86		23.86	\$ 0.41
2022	23,013,056	478,766	-	478,766	20.80		20.80	\$ 0.36

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 2,457,157	\$ 6,142,893	40.0%	\$ -	\$ 2.91		\$ 2.91	\$ 10.18
2017	\$ 2,923,583	\$ 7,308,958	40.0%	\$ -	\$ 3.46		\$ 3.46	\$ 12.11
2018	\$ 2,597,573	\$ 6,493,933	40.0%	\$ -	\$ 3.54		\$ 3.54	\$ 12.37
2019	\$ 2,982,688	\$ 7,016,018	42.5%	\$ -	\$ 4.27		\$ 4.27	\$ 14.31
2020	\$ 3,326,050	\$ 7,391,223	45.0%	\$ -	\$ 5.15		\$ 5.15	\$ 16.58
2021	\$ 2,896,607	\$ 6,436,905	45.0%	\$ -	\$ 5.30		\$ 5.30	\$ 17.09
2022	\$ 2,559,082	\$ 5,686,849	45.0%	\$ -	\$ 5.35		\$ 5.35	\$ 17.22

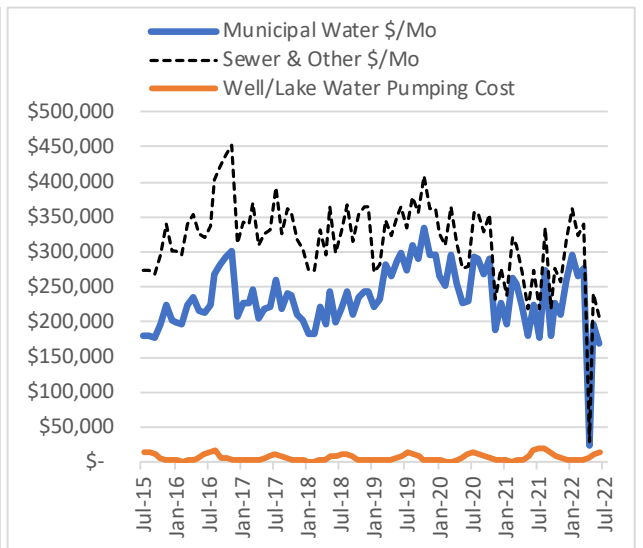
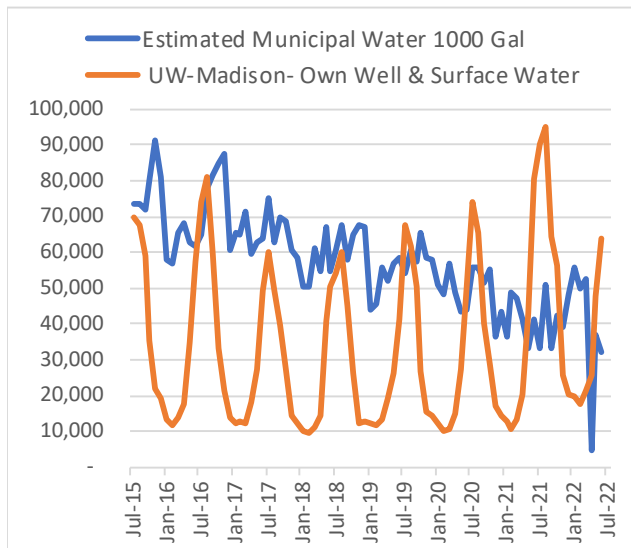
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.08		-	1.39	2.88			0.1063
2017	2.15		-	1.45	3.12			0.1150
2018	2.16		-	1.39	3.01			0.0963
2019	2.11		-	1.39	2.94			0.0903
2020	2.23		-	1.39	3.11			0.0879
2021	2.27		-	1.39	3.16			0.0755
2022	2.19		-	1.39	3.05			0.0635



UW-Madison Own Well/Lake= Yes Vendor = Madison Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	22,931,250	845,073	421,362	1,266,435	36.85	18.38	55.23	\$ 0.38
2017	22,947,032	845,175	415,992	1,261,168	36.83	18.13	54.96	\$ 0.45
2018	22,947,032	734,770	337,766	1,072,537	32.02	14.72	46.74	\$ 0.40
2019	22,755,778	698,880	334,604	1,033,484	30.71	14.70	45.42	\$ 0.44
2020	22,885,751	646,262	362,412	1,008,675	28.24	15.84	44.07	\$ 0.47
2021	22,885,751	546,160	420,474	966,634	23.86	18.37	42.24	\$ 0.41
2022	23,013,056	478,766	548,521	1,027,287	20.80	23.84	44.64	\$ 0.36

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 2,457,157	\$ 6,142,893	40.0%	\$ 86,448	\$ 2.91	\$ 0.21	\$ 3.11	\$ 6.86
2017	\$ 2,923,583	\$ 7,308,958	40.0%	\$ 80,865	\$ 3.46	\$ 0.19	\$ 3.65	\$ 8.18
2018	\$ 2,597,573	\$ 6,493,933	40.0%	\$ 66,501	\$ 3.54	\$ 0.20	\$ 3.73	\$ 8.54
2019	\$ 2,982,688	\$ 7,016,018	42.5%	\$ 69,101	\$ 4.27	\$ 0.21	\$ 4.47	\$ 9.74
2020	\$ 3,326,050	\$ 7,391,223	45.0%	\$ 73,744	\$ 5.15	\$ 0.20	\$ 5.35	\$ 10.70
2021	\$ 2,896,607	\$ 6,436,905	45.0%	\$ 88,633	\$ 5.30	\$ 0.21	\$ 5.51	\$ 9.75
2022	\$ 2,559,082	\$ 5,686,849	45.0%	\$ 118,573	\$ 5.35	\$ 0.22	\$ 5.56	\$ 8.14

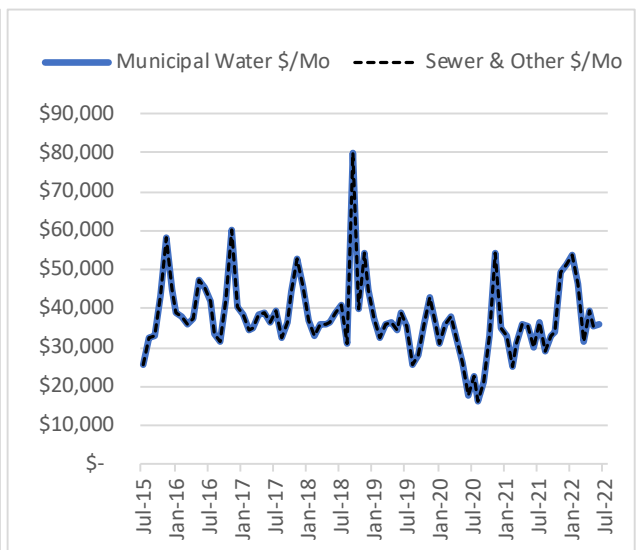
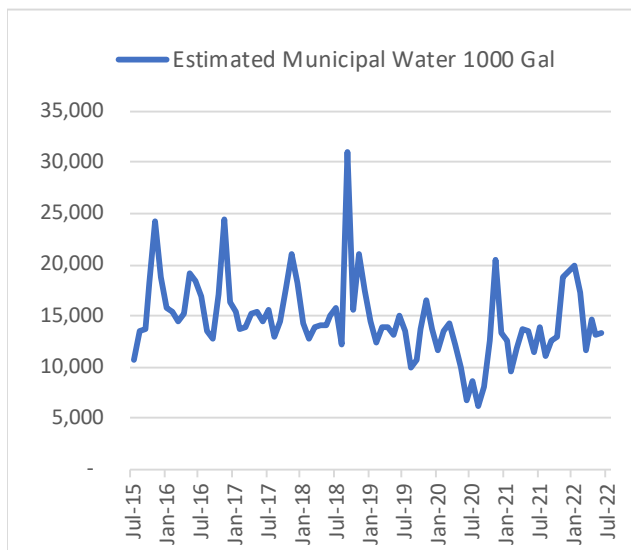
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.08	2.00	842,724	1.39	2.85	0.0368	125.43	0.1572
2017	2.15	2.00	831,985	1.45	3.05	0.0363	123.74	0.1675
2018	2.16	2.00	675,533	1.39	2.94	0.0294	100.47	0.1373
2019	2.11	2.00	669,208	1.39	2.89	0.0294	100.37	0.1313
2020	2.23	2.00	724,825	1.39	3.00	0.0317	108.09	0.1321
2021	2.27	2.00	840,948	1.39	3.00	0.0367	125.41	0.1267
2022	2.19	2.00	1,097,043	1.39	2.91	0.0477	162.70	0.1299



UW-Milwaukee Own Well/Lake= No Vendor = Milwaukee Water Works								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	6,151,349	197,689	-	197,689	32.14		32.14	\$ 0.23
2017	6,151,349	189,167	-	189,167	30.75		30.75	\$ 0.23
2018	6,151,349	184,263	-	184,263	29.95		29.95	\$ 0.23
2019	6,151,349	195,582	-	195,582	31.79		31.79	\$ 0.25
2020	6,146,744	146,579	-	146,579	23.85		23.85	\$ 0.19
2021	6,146,744	141,489	-	141,489	23.02		23.02	\$ 0.18
2022	6,146,744	178,640	-	178,640	29.06		29.06	\$ 0.23

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 480,193	\$ 960,386	50.0%	\$ -	\$ 2.43		\$ 2.43	\$ 7.29
2017	\$ 471,480	\$ 942,959	50.0%	\$ -	\$ 2.49		\$ 2.49	\$ 7.48
2018	\$ 469,044	\$ 938,088	50.0%	\$ -	\$ 2.55		\$ 2.55	\$ 7.64
2019	\$ 506,673	\$ 1,013,346	50.0%	\$ -	\$ 2.59		\$ 2.59	\$ 7.77
2020	\$ 384,822	\$ 769,644	50.0%	\$ -	\$ 2.63		\$ 2.63	\$ 7.88
2021	\$ 372,931	\$ 745,861	50.0%	\$ -	\$ 2.64		\$ 2.64	\$ 7.91
2022	\$ 476,353	\$ 952,706	50.0%	\$ -	\$ 2.67		\$ 2.67	\$ 8.00

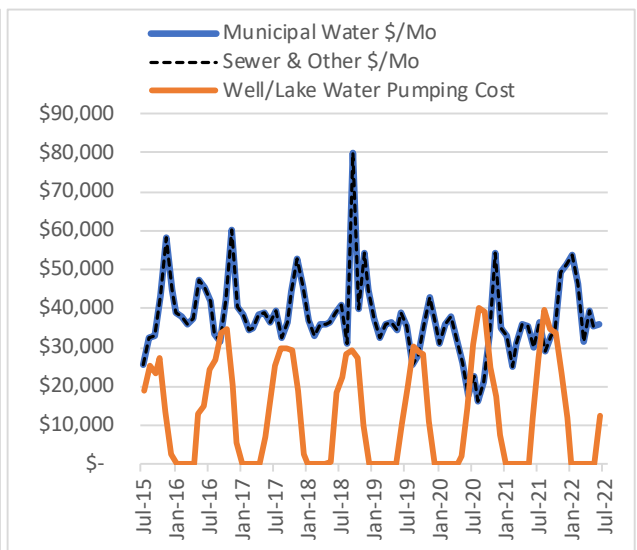
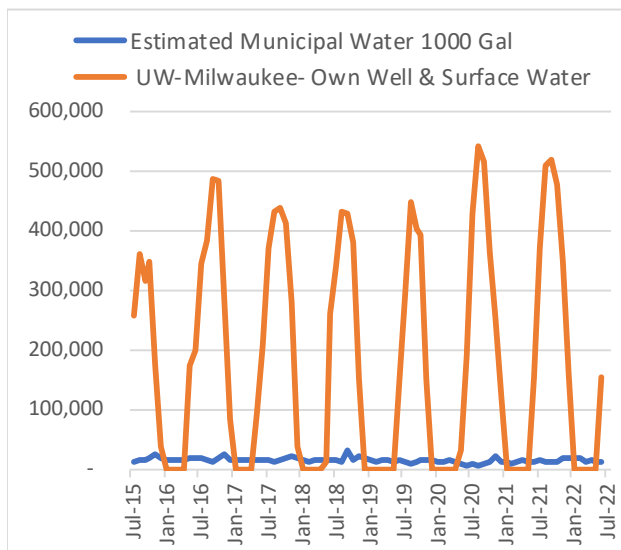
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.78		-	1.39	2.47			0.0792
2017	1.83		-	1.45	2.65			0.0815
2018	1.77		-	1.39	2.46			0.0738
2019	1.73		-	1.39	2.41			0.0766
2020	1.86		-	1.39	2.59			0.0617
2021	1.89		-	1.39	2.63			0.0606
2022	1.88		-	1.39	2.62			0.0761



UW-Milwaukee Own Well/Lake= Yes Vendor = Milwaukee Water Works								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	6,151,349	197,689	1,870,052	2,067,742	32.14	304.01	336.14	\$ 0.26
2017	6,151,349	189,167	2,363,306	2,552,473	30.75	384.19	414.95	\$ 0.26
2018	6,151,349	184,263	2,243,469	2,427,732	29.95	364.71	394.67	\$ 0.25
2019	6,151,349	195,582	1,880,146	2,075,727	31.79	305.65	337.44	\$ 0.27
2020	6,146,744	146,579	1,903,977	2,050,556	23.85	309.75	333.60	\$ 0.21
2021	6,146,744	141,489	2,374,843	2,516,333	23.02	386.36	409.38	\$ 0.21
2022	6,146,744	178,640	2,539,807	2,718,447	29.06	413.20	442.26	\$ 0.26

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 480,193	\$ 960,386	50.0%	\$ 139,275	\$ 2.43	\$ 0.07	\$ 2.50	\$ 0.76
2017	\$ 471,480	\$ 942,959	50.0%	\$ 167,337	\$ 2.49	\$ 0.07	\$ 2.56	\$ 0.62
2018	\$ 469,044	\$ 938,088	50.0%	\$ 154,514	\$ 2.55	\$ 0.07	\$ 2.61	\$ 0.64
2019	\$ 506,673	\$ 1,013,346	50.0%	\$ 127,883	\$ 2.59	\$ 0.07	\$ 2.66	\$ 0.79
2020	\$ 384,822	\$ 769,644	50.0%	\$ 135,416	\$ 2.63	\$ 0.07	\$ 2.70	\$ 0.63
2021	\$ 372,931	\$ 745,861	50.0%	\$ 172,757	\$ 2.64	\$ 0.07	\$ 2.71	\$ 0.51
2022	\$ 476,353	\$ 952,706	50.0%	\$ 183,142	\$ 2.67	\$ 0.07	\$ 2.74	\$ 0.59

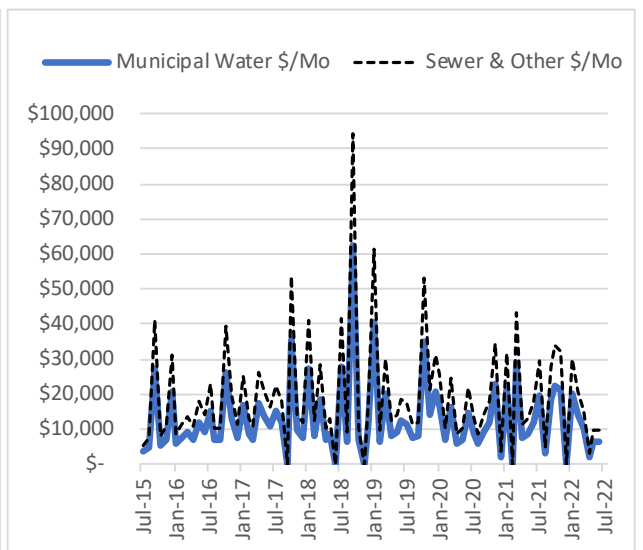
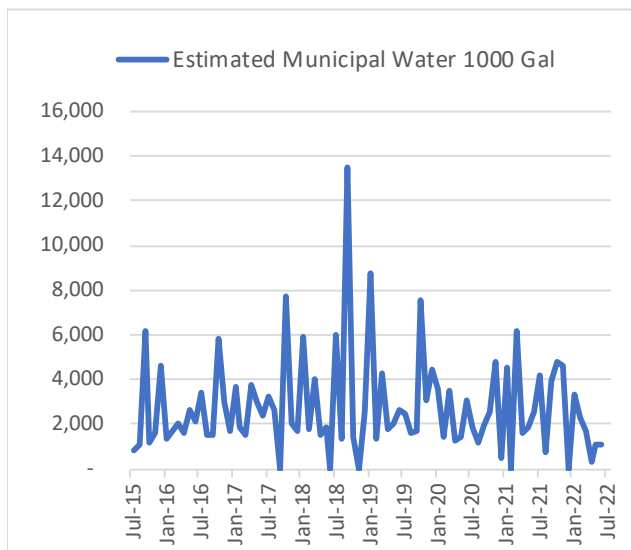
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.78	0.80	1,496,042	1.39	1.24	0.2432	830.06	0.4161
2017	1.83	0.80	1,890,644	1.45	1.27	0.3074	1,049.00	0.5269
2018	1.77	0.80	1,794,775	1.39	1.22	0.2918	995.81	0.4806
2019	1.73	0.80	1,504,116	1.39	1.24	0.2445	834.54	0.4174
2020	1.86	0.80	1,523,182	1.39	1.22	0.2478	845.75	0.4071
2021	1.89	0.80	1,899,875	1.39	1.20	0.3091	1,054.91	0.4914
2022	1.88	0.80	2,031,845	1.39	1.21	0.3306	1,128.19	0.5369



UW-Parkside Own Well/Lake= No Vendor = Village of Somers Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	1,262,322	26,911	-	26,911	21.32		21.32	\$ 0.33
2017	1,262,322	33,137	-	33,137	26.25		26.25	\$ 0.42
2018	1,262,322	32,466	-	32,466	25.72		25.72	\$ 0.42
2019	1,262,322	45,736	-	45,736	36.23		36.23	\$ 0.59
2020	1,374,576	35,206	-	35,206	25.61		25.61	\$ 0.42
2021	1,374,576	29,671	-	29,671	21.59		21.59	\$ 0.36
2022	1,374,576	28,230	-	28,230	20.54		20.54	\$ 0.37

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 120,559	\$ 301,396	40.0%	\$ -	\$ 4.48		\$ 4.48	\$ 15.68
2017	\$ 151,101	\$ 377,752	40.0%	\$ -	\$ 4.56		\$ 4.56	\$ 15.96
2018	\$ 150,555	\$ 376,388	40.0%	\$ -	\$ 4.64		\$ 4.64	\$ 16.23
2019	\$ 212,428	\$ 531,071	40.0%	\$ -	\$ 4.64		\$ 4.64	\$ 16.26
2020	\$ 165,512	\$ 413,781	40.0%	\$ -	\$ 4.70		\$ 4.70	\$ 16.45
2021	\$ 139,677	\$ 349,192	40.0%	\$ -	\$ 4.71		\$ 4.71	\$ 16.48
2022	\$ 144,661	\$ 361,652	40.0%	\$ -	\$ 5.12		\$ 5.12	\$ 17.94

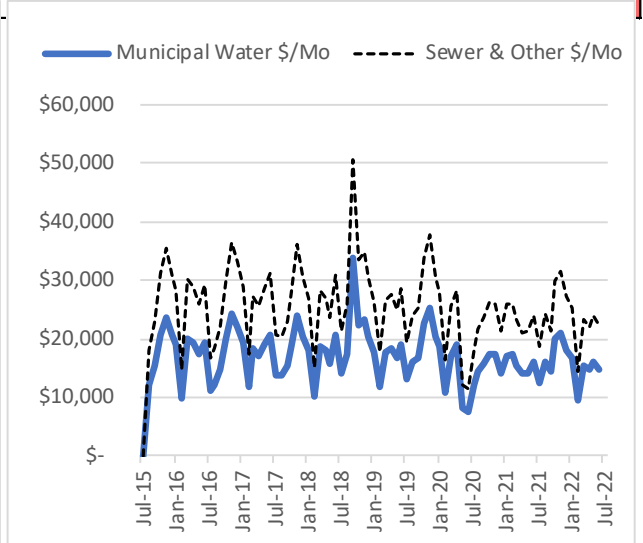
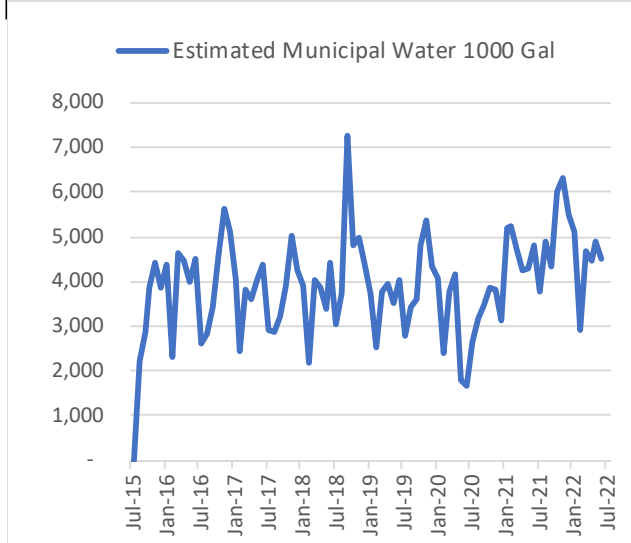
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.00		-	1.39	2.77			0.0591
2017	2.00		-	1.45	2.90			0.0761
2018	2.00		-	1.39	2.79			0.0717
2019	2.00		-	1.39	2.79			0.1010
2020	2.00		-	1.39	2.79			0.0714
2021	2.00		-	1.39	2.79			0.0602
2022	2.00		-	1.39	2.79			0.0573



UW-Platteville Own Well/Lake= No Vendor = Platteville Water and Sewer Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	2,244,485	41,553	-	41,553	18.51		18.51	\$ 0.31
2017	2,244,485	46,507	-	46,507	20.72		20.72	\$ 0.33
2018	2,244,485	44,031	-	44,031	19.62		19.62	\$ 0.32
2019	2,244,485	49,787	-	49,787	22.18		22.18	\$ 0.36
2020	2,244,485	42,190	-	42,190	18.80		18.80	\$ 0.30
2021	2,132,462	48,630	-	48,630	22.80		22.80	\$ 0.30
2022	2,132,462	57,313	-	57,313	26.88		26.88	\$ 0.31

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 197,317	\$ 493,293	40.0%	\$ -	\$ 4.75		\$ 4.75	\$ 16.62
2017	\$ 210,819	\$ 527,047	40.0%	\$ -	\$ 4.53		\$ 4.53	\$ 15.87
2018	\$ 207,190	\$ 517,974	40.0%	\$ -	\$ 4.71		\$ 4.71	\$ 16.47
2019	\$ 232,572	\$ 581,430	40.0%	\$ -	\$ 4.67		\$ 4.67	\$ 16.35
2020	\$ 195,463	\$ 488,656	40.0%	\$ -	\$ 4.63		\$ 4.63	\$ 16.22
2021	\$ 185,587	\$ 463,969	40.0%	\$ -	\$ 3.82		\$ 3.82	\$ 13.36
2022	\$ 189,292	\$ 473,229	40.0%	\$ -	\$ 3.30		\$ 3.30	\$ 11.56

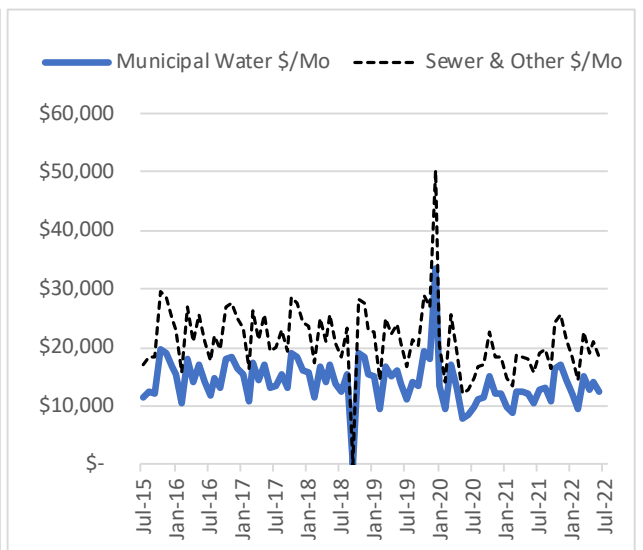
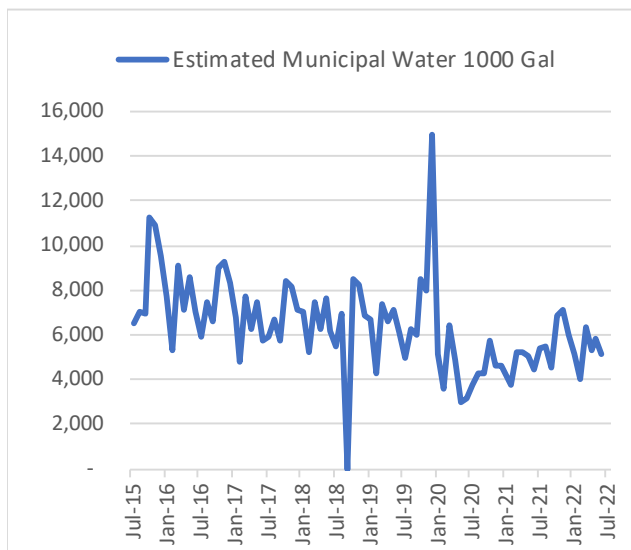
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.99		-	1.39	4.14			0.0767
2017	3.17		-	1.45	4.59			0.0951
2018	3.18		-	1.39	4.43			0.0869
2019	3.06		-	1.39	4.26			0.0946
2020	3.13		-	1.39	4.37			0.0821
2021	2.91		-	1.39	4.06			0.0925
2022	2.77		-	1.39	4.51			0.1212



UW-River Falls Own Well/Lake= No Vendor = River Falls Municipal Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	1,769,312	97,105	-	97,105	54.88		54.88	\$ 0.36
2017	1,769,312	85,574	-	85,574	48.37		48.37	\$ 0.36
2018	1,769,312	81,710	-	81,710	46.18		46.18	\$ 0.36
2019	1,769,312	74,277	-	74,277	41.98		41.98	\$ 0.33
2020	1,684,447	74,995	-	74,995	44.52		44.52	\$ 0.37
2021	1,684,447	55,133	-	55,133	32.73		32.73	\$ 0.29
2022	1,684,447	67,236	-	67,236	39.92		39.92	\$ 0.33

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 180,391	\$ 450,978	40.0%	\$ -	\$ 1.86		\$ 1.86	\$ 6.50
2017	\$ 180,786	\$ 451,964	40.0%	\$ -	\$ 2.11		\$ 2.11	\$ 7.39
2018	\$ 184,068	\$ 460,169	40.0%	\$ -	\$ 2.25		\$ 2.25	\$ 7.88
2019	\$ 166,530	\$ 416,325	40.0%	\$ -	\$ 2.24		\$ 2.24	\$ 7.85
2020	\$ 179,279	\$ 448,198	40.0%	\$ -	\$ 2.39		\$ 2.39	\$ 8.37
2021	\$ 138,658	\$ 346,644	40.0%	\$ -	\$ 2.51		\$ 2.51	\$ 8.80
2022	\$ 160,279	\$ 400,697	40.0%	\$ -	\$ 2.38		\$ 2.38	\$ 8.34

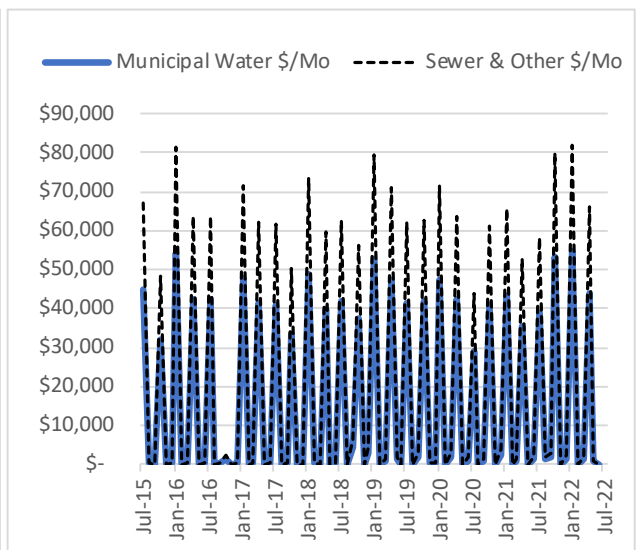
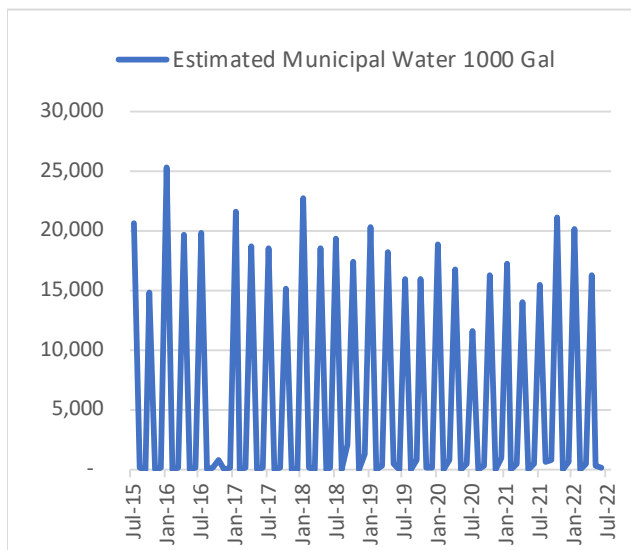
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.57		-	1.39	2.18			0.1197
2017	1.52		-	1.45	2.20			0.1066
2018	1.57		-	1.39	2.19			0.1013
2019	1.60		-	1.39	2.23			0.0938
2020	1.56		-	1.39	2.17			0.0965
2021	1.52		-	1.39	2.12			0.0694
2022	2.00		-	1.39	2.79			0.1113



UW-Stevens Point Own Well/Lake= No Vendor = Stevens Point Municipal Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	2,629,769	80,927	-	80,927	30.77		30.77	\$ 0.23
2017	2,629,769	61,054	-	61,054	23.22		23.22	\$ 0.18
2018	2,629,769	75,168	-	75,168	28.58		28.58	\$ 0.22
2019	2,629,769	79,409	-	79,409	30.20		30.20	\$ 0.25
2020	2,806,271	69,800	-	69,800	24.87		24.87	\$ 0.22
2021	2,806,271	61,260	-	61,260	21.83		21.83	\$ 0.19
2022	2,806,271	75,702	-	75,702	26.98		26.98	\$ 0.25

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 174,663	\$ 436,658	40.0%	\$ -	\$ 2.16		\$ 2.16	\$ 7.55
2017	\$ 133,974	\$ 334,936	40.0%	\$ -	\$ 2.19		\$ 2.19	\$ 7.68
2018	\$ 164,073	\$ 410,183	40.0%	\$ -	\$ 2.18		\$ 2.18	\$ 7.64
2019	\$ 188,713	\$ 471,782	40.0%	\$ -	\$ 2.38		\$ 2.38	\$ 8.32
2020	\$ 178,885	\$ 447,212	40.0%	\$ -	\$ 2.56		\$ 2.56	\$ 8.97
2021	\$ 154,664	\$ 386,659	40.0%	\$ -	\$ 2.52		\$ 2.52	\$ 8.84
2022	\$ 198,106	\$ 495,266	40.0%	\$ -	\$ 2.62		\$ 2.62	\$ 9.16

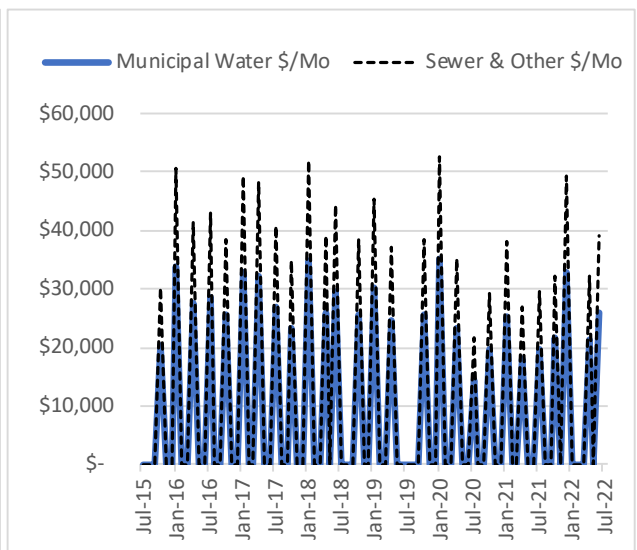
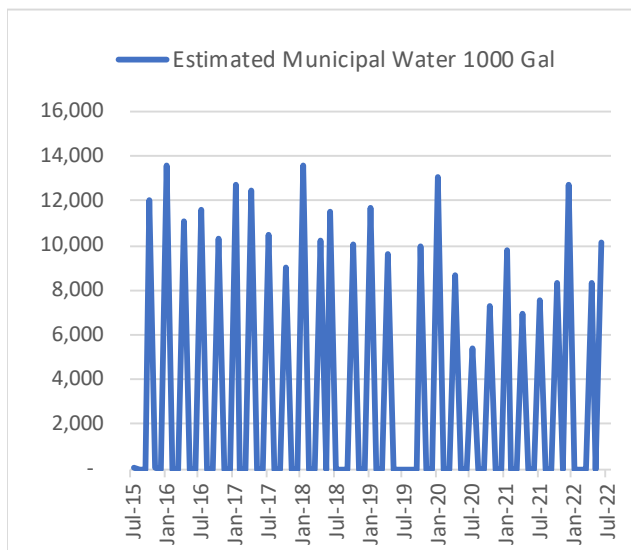
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.28		-	1.39	1.77			0.0545
2017	1.24		-	1.45	1.80			0.0417
2018	1.18		-	1.39	1.65			0.0470
2019	1.24		-	1.39	1.72			0.0520
2020	1.22		-	1.39	1.69			0.0422
2021	1.15		-	1.39	1.60			0.0349
2022	2.00		-	1.39	2.79			0.0752



UW-Stout Own Well/Lake= No Vendor = City of Menomonie Water Department								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	2,452,414	36,814	-	36,814	15.01		15.01	\$ 0.12
2017	2,452,414	47,065	-	47,065	19.19		19.19	\$ 0.17
2018	2,452,414	54,864	-	54,864	22.37		22.37	\$ 0.20
2019	2,452,414	31,406	-	31,406	12.81		12.81	\$ 0.12
2020	2,456,060	31,701	-	31,701	12.91		12.91	\$ 0.12
2021	2,456,060	29,354	-	29,354	11.95		11.95	\$ 0.11
2022	2,456,060	47,157	-	47,157	19.20		19.20	\$ 0.17

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 81,683	\$ 204,207	40.0%	\$ -	\$ 2.22		\$ 2.22	\$ 7.77
2017	\$ 119,327	\$ 298,318	40.0%	\$ -	\$ 2.54		\$ 2.54	\$ 8.87
2018	\$ 140,682	\$ 351,705	40.0%	\$ -	\$ 2.56		\$ 2.56	\$ 8.97
2019	\$ 80,654	\$ 201,634	40.0%	\$ -	\$ 2.57		\$ 2.57	\$ 8.99
2020	\$ 83,935	\$ 209,836	40.0%	\$ -	\$ 2.65		\$ 2.65	\$ 9.27
2021	\$ 77,191	\$ 192,976	40.0%	\$ -	\$ 2.63		\$ 2.63	\$ 9.20
2022	\$ 121,747	\$ 304,367	40.0%	\$ -	\$ 2.58		\$ 2.58	\$ 9.04

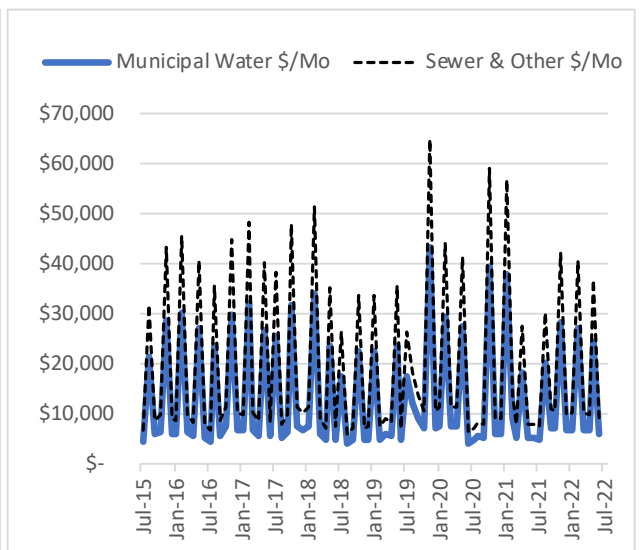
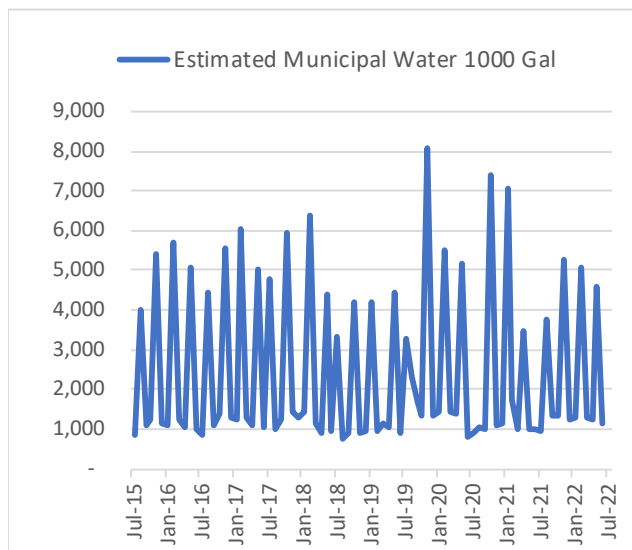
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.37		-	1.39	3.28			0.0493
2017	2.32		-	1.45	3.37			0.0646
2018	2.04		-	1.39	2.85			0.0638
2019	2.14		-	1.39	2.99			0.0383
2020	2.21		-	1.39	3.07			0.0397
2021	2.25		-	1.39	3.14			0.0375
2022	2.31		-	1.39	3.22			0.0618



UW-Superior Own Well/Lake= No Vendor = Superior Water Light And Power Company								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	1,120,382	28,912	-	28,912	25.81		25.81	\$ 0.48
2017	1,120,382	30,385	-	30,385	27.12		27.12	\$ 0.51
2018	1,120,382	30,934	-	30,934	27.61		27.61	\$ 0.52
2019	1,120,382	23,732	-	23,732	21.18		21.18	\$ 0.40
2020	1,111,812	33,771	-	33,771	30.37		30.37	\$ 0.57
2021	1,107,876	27,858	-	27,858	25.15		25.15	\$ 0.47
2022	1,107,876	28,559	-	28,559	25.78		25.78	\$ 0.48

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 154,610	\$ 386,526	40.0%	\$ -	\$ 5.35		\$ 5.35	\$ 18.72
2017	\$ 162,484	\$ 406,210	40.0%	\$ -	\$ 5.35		\$ 5.35	\$ 18.72
2018	\$ 165,425	\$ 413,562	40.0%	\$ -	\$ 5.35		\$ 5.35	\$ 18.72
2019	\$ 126,909	\$ 317,272	40.0%	\$ -	\$ 5.35		\$ 5.35	\$ 18.72
2020	\$ 180,594	\$ 451,484	40.0%	\$ -	\$ 5.35		\$ 5.35	\$ 18.72
2021	\$ 148,972	\$ 372,430	40.0%	\$ -	\$ 5.35		\$ 5.35	\$ 18.72
2022	\$ 152,721	\$ 381,801	40.0%	\$ -	\$ 5.35		\$ 5.35	\$ 18.72

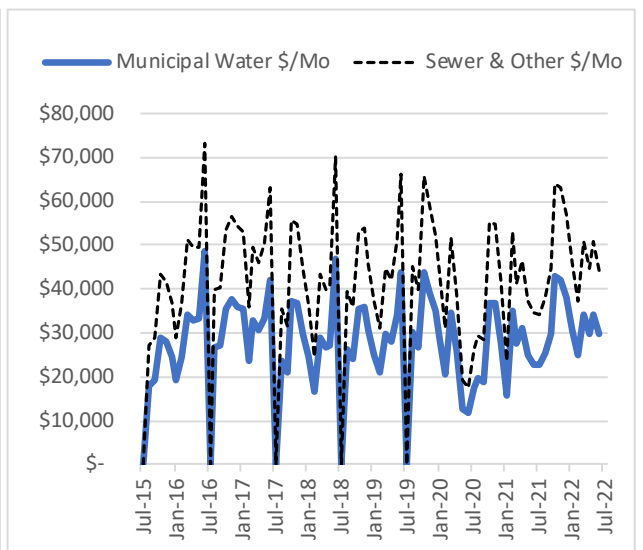
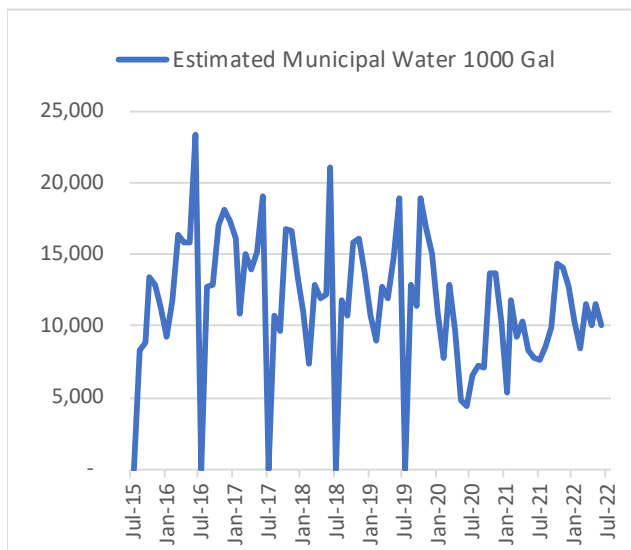
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.00		-	1.39	2.77			0.0715
2017	2.00		-	1.45	2.90			0.0786
2018	2.00		-	1.39	2.79			0.0770
2019	2.00		-	1.39	2.79			0.0591
2020	2.00		-	1.39	2.79			0.0847
2021	2.00		-	1.39	2.79			0.0701
2022	2.00		-	1.39	2.79			0.0719



UW-Whitewater Own Well/Lake= No Vendor = Whitewater Municipal Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	2,942,875	147,121	-	147,121	49.99		49.99	\$ 0.37
2017	2,942,875	168,205	-	168,205	57.16		57.16	\$ 0.43
2018	2,942,875	143,858	-	143,858	48.88		48.88	\$ 0.38
2019	2,942,875	146,117	-	146,117	49.65		49.65	\$ 0.40
2020	2,965,821	125,071	-	125,071	42.17		42.17	\$ 0.36
2021	3,114,162	111,322	-	111,322	35.75		35.75	\$ 0.35
2022	3,114,162	129,200	-	129,200	41.49		41.49	\$ 0.43

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 311,933	\$ 779,832	40.0%	\$ -	\$ 2.12		\$ 2.12	\$ 7.42
2017	\$ 361,627	\$ 904,069	40.0%	\$ -	\$ 2.15		\$ 2.15	\$ 7.52
2018	\$ 318,898	\$ 797,245	40.0%	\$ -	\$ 2.22		\$ 2.22	\$ 7.76
2019	\$ 333,529	\$ 833,821	40.0%	\$ -	\$ 2.28		\$ 2.28	\$ 7.99
2020	\$ 309,071	\$ 772,679	40.0%	\$ -	\$ 2.47		\$ 2.47	\$ 8.65
2021	\$ 314,359	\$ 785,898	40.0%	\$ -	\$ 2.82		\$ 2.82	\$ 9.88
2022	\$ 383,959	\$ 959,898	40.0%	\$ -	\$ 2.97		\$ 2.97	\$ 10.40

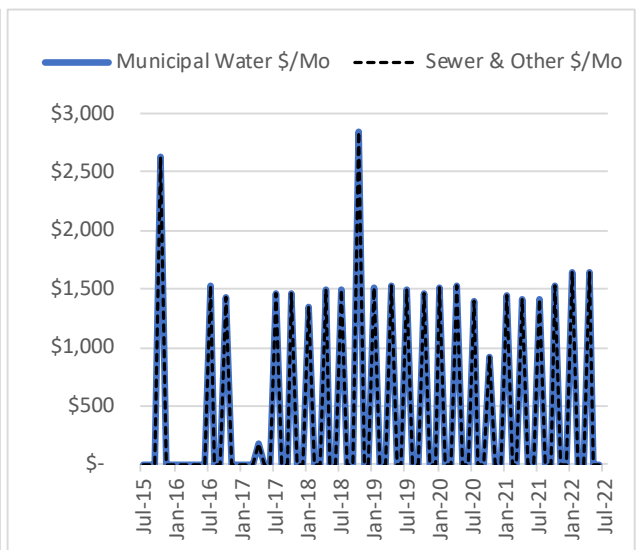
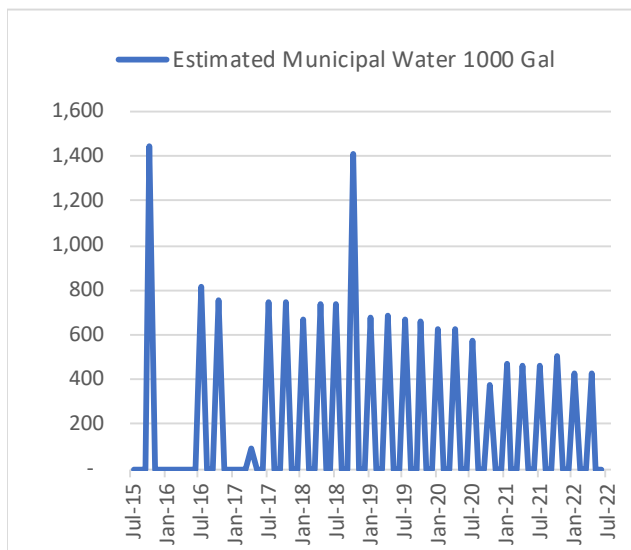
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.84		-	1.39	2.55			0.1276
2017	1.88		-	1.45	2.73			0.1559
2018	1.92		-	1.39	2.67			0.1306
2019	1.87		-	1.39	2.61			0.1297
2020	2.74		-	1.39	3.82			0.1611
2021	2.74		-	1.39	3.82			0.1365
2022	2.74		-	1.39	3.82			0.1584



UW-Baraboo Own Well/Lake= No Vendor = City of Baraboo Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	165,615	1,442	-	1,442	8.70		8.70	\$ 0.05
2017	165,615	1,663	-	1,663	10.04		10.04	\$ 0.06
2018	165,615	2,899	-	2,899	17.51		17.51	\$ 0.10
2019	165,615	3,516	-	3,516	21.23		21.23	\$ 0.13
2020	179,291	2,580	-	2,580	14.39		14.39	\$ 0.10
2021	179,291	1,890	-	1,890	10.54		10.54	\$ 0.09
2022	179,291	1,828	-	1,828	10.19		10.19	\$ 0.10

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 2,630	\$ 5,260	50.0%	\$ -	\$ 1.82		\$ 1.82	\$ 5.47
2017	\$ 3,136	\$ 6,273	50.0%	\$ -	\$ 1.89		\$ 1.89	\$ 5.66
2018	\$ 5,766	\$ 11,533	50.0%	\$ -	\$ 1.99		\$ 1.99	\$ 5.97
2019	\$ 7,384	\$ 14,768	50.0%	\$ -	\$ 2.10		\$ 2.10	\$ 6.30
2020	\$ 5,997	\$ 11,995	50.0%	\$ -	\$ 2.32		\$ 2.32	\$ 6.97
2021	\$ 5,177	\$ 10,354	50.0%	\$ -	\$ 2.74		\$ 2.74	\$ 8.22
2022	\$ 6,240	\$ 12,480	50.0%	\$ -	\$ 3.41		\$ 3.41	\$ 10.24

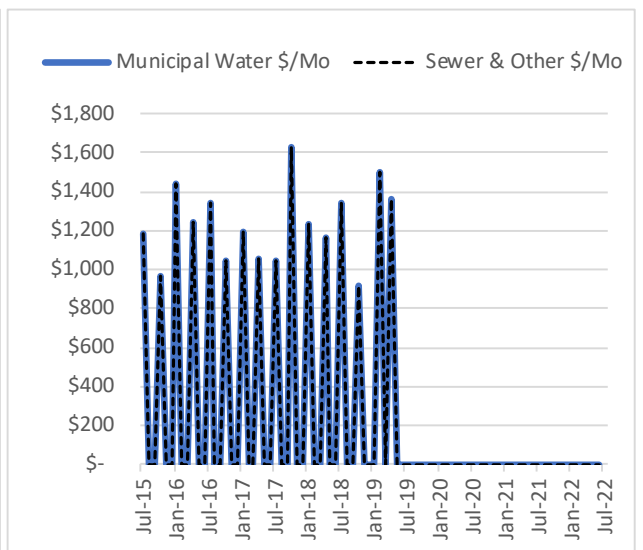
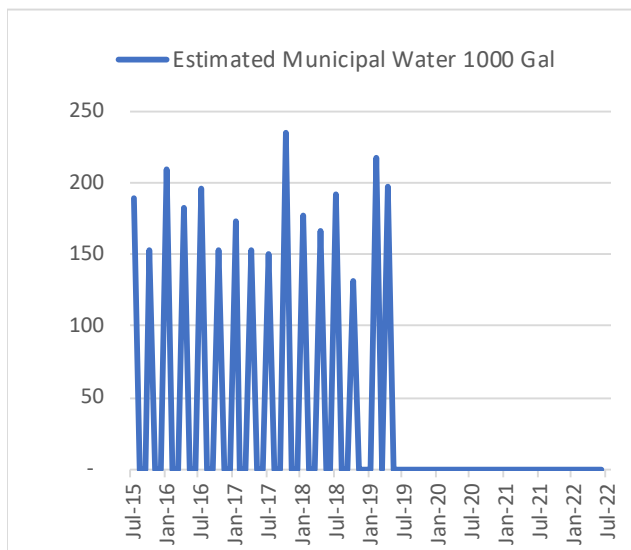
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.78		-	1.39	2.47			0.0215
2017	1.75		-	1.45	2.53			0.0254
2018	1.75		-	1.39	2.44			0.0428
2019	1.78		-	1.39	2.48			0.0527
2020	1.89		-	1.39	2.64			0.0380
2021	2.07		-	1.39	2.89			0.0304
2022	2.11		-	1.39	2.94			0.0300



UW-Fond du Lac Own Well/Lake= No Vendor = Fond Du Lac Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	194,077	734	-	734	3.78		3.78	\$ 0.07
2017	194,077	675	-	675	3.48		3.48	\$ 0.07
2018	194,077	729	-	729	3.76		3.76	\$ 0.08
2019	194,077	737	-	737	3.80		3.80	\$ 0.08
2020	194,077	-	-	-			-	\$ -
2021	194,077	-	-	-			-	\$ -
2022	194,077	-	-	-			-	\$ -

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 4,827	\$ 9,654	50.0%	\$ -	\$ 6.57		\$ 6.57	\$ 19.72
2017	\$ 4,647	\$ 9,294	50.0%	\$ -	\$ 6.88		\$ 6.88	\$ 20.64
2018	\$ 5,067	\$ 10,133	50.0%	\$ -	\$ 6.95		\$ 6.95	\$ 20.86
2019	\$ 5,117	\$ 10,234	50.0%	\$ -	\$ 6.94		\$ 6.94	\$ 20.82
2020	\$ -	\$ -		\$ -			\$ -	
2021	\$ -	\$ -		\$ -			\$ -	
2022	\$ -	\$ -		\$ -			\$ -	

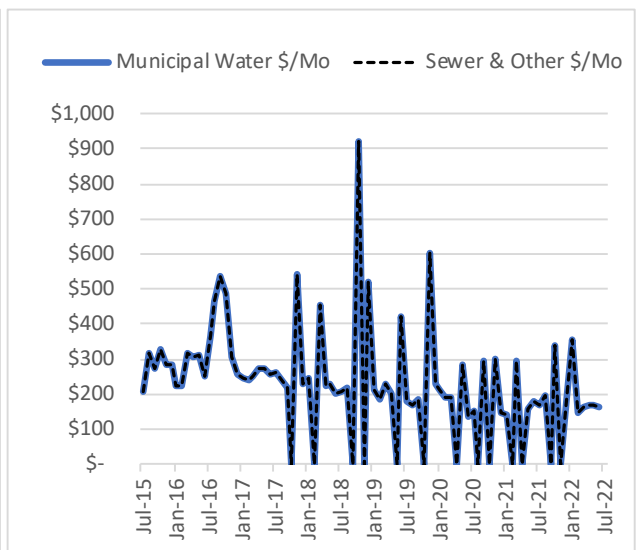
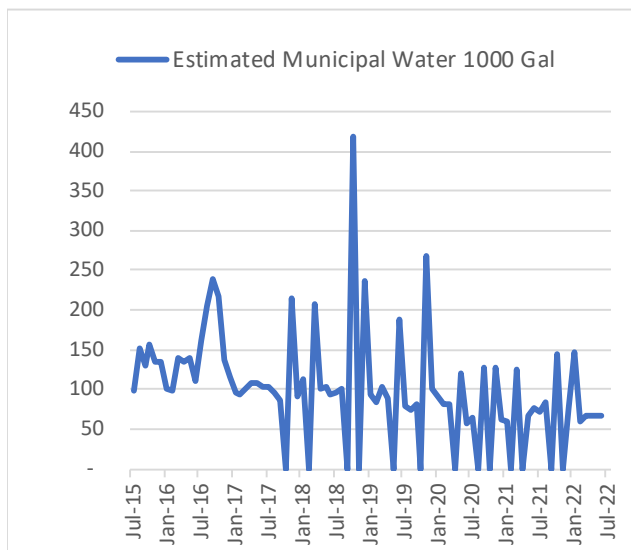
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.96		-	1.39	4.09			0.0155
2017	3.75		-	1.45	5.44			0.0189
2018	4.41		-	1.39	6.14			0.0231
2019	3.67		-	1.39	5.11			0.0194
2020	3.81		-	1.39				
2021	3.80		-	1.39				
2022	3.88		-	1.39				



UW-Manitowoc Own Well/Lake= No Vendor = Manitowoc Public Utilities								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	125,045	1,531	-	1,531	12.25		12.25	\$ 0.08
2017	125,045	1,686	-	1,686	13.49		13.49	\$ 0.10
2018	125,045	1,209	-	1,209	9.67		9.67	\$ 0.07
2019	125,045	1,410	-	1,410	11.28		11.28	\$ 0.08
2020	125,045	1,039	-	1,039	8.31		8.31	\$ 0.06
2021	125,045	714	-	714	5.71		5.71	\$ 0.04
2022	125,045	853	-	853	6.82		6.82	\$ 0.05

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 3,334	\$ 6,668	50.0%	\$ -	\$ 2.18		\$ 2.18	\$ 6.53
2017	\$ 3,968	\$ 7,936	50.0%	\$ -	\$ 2.35		\$ 2.35	\$ 7.06
2018	\$ 2,854	\$ 5,708	50.0%	\$ -	\$ 2.36		\$ 2.36	\$ 7.08
2019	\$ 3,127	\$ 6,253	50.0%	\$ -	\$ 2.22		\$ 2.22	\$ 6.65
2020	\$ 2,376	\$ 4,752	50.0%	\$ -	\$ 2.29		\$ 2.29	\$ 6.86
2021	\$ 1,675	\$ 3,350	50.0%	\$ -	\$ 2.35		\$ 2.35	\$ 7.04
2022	\$ 2,050	\$ 4,101	50.0%	\$ -	\$ 2.40		\$ 2.40	\$ 7.21

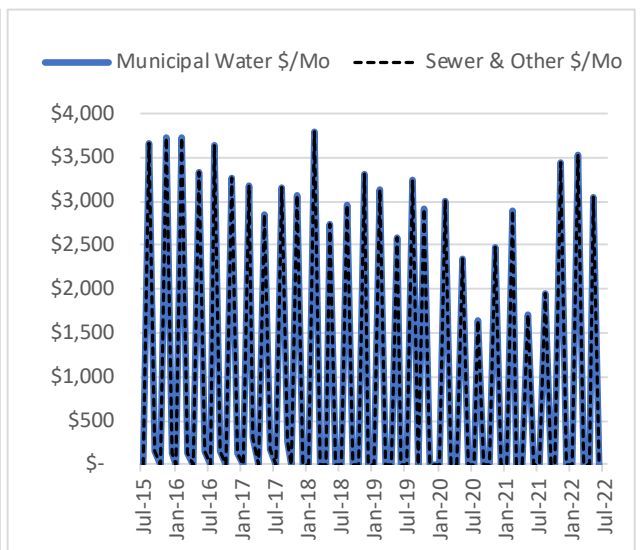
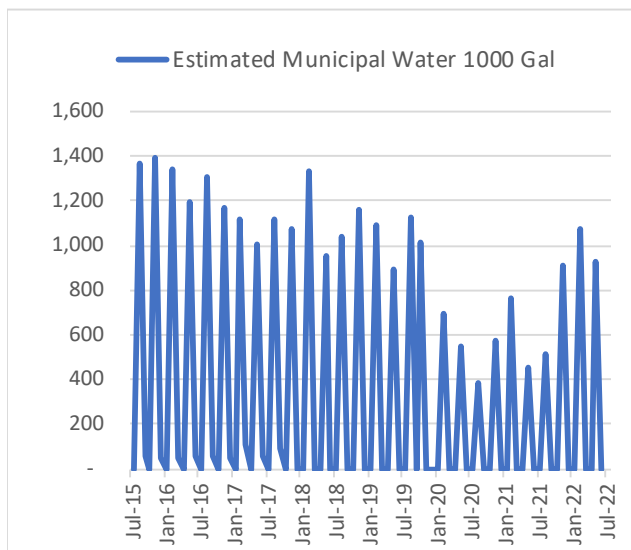
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.72		-	1.39	3.77			0.0462
2017	2.62		-	1.45	3.80			0.0512
2018	2.59		-	1.39	3.61			0.0349
2019	2.43		-	1.39	3.38			0.0382
2020	2.50		-	1.39	3.49			0.0290
2021	2.39		-	1.39	3.33			0.0190
2022	2.49		-	1.39	3.47			0.0236



UW-Marathon Own Well/Lake= No Vendor = WAUSAU WATER UTILITY								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	327,695	5,495	-	5,495	16.77		16.77	\$ 0.14
2017	327,695	4,859	-	4,859	14.83		14.83	\$ 0.13
2018	327,695	4,572	-	4,572	13.95		13.95	\$ 0.12
2019	327,695	4,184	-	4,184	12.77		12.77	\$ 0.11
2020	327,695	3,383	-	3,383	10.32		10.32	\$ 0.11
2021	327,695	2,170	-	2,170	6.62		6.62	\$ 0.08
2022	327,695	3,425	-	3,425	10.45		10.45	\$ 0.11

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 15,020	\$ 30,040	50.0%	\$ -	\$ 2.73		\$ 2.73	\$ 8.20
2017	\$ 13,677	\$ 27,354	50.0%	\$ -	\$ 2.81		\$ 2.81	\$ 8.44
2018	\$ 13,027	\$ 26,054	50.0%	\$ -	\$ 2.85		\$ 2.85	\$ 8.55
2019	\$ 12,006	\$ 24,012	50.0%	\$ -	\$ 2.87		\$ 2.87	\$ 8.61
2020	\$ 11,529	\$ 23,058	50.0%	\$ -	\$ 3.41		\$ 3.41	\$ 10.22
2021	\$ 8,727	\$ 17,454	50.0%	\$ -	\$ 4.02		\$ 4.02	\$ 12.07
2022	\$ 11,968	\$ 23,935	50.0%	\$ -	\$ 3.49		\$ 3.49	\$ 10.48

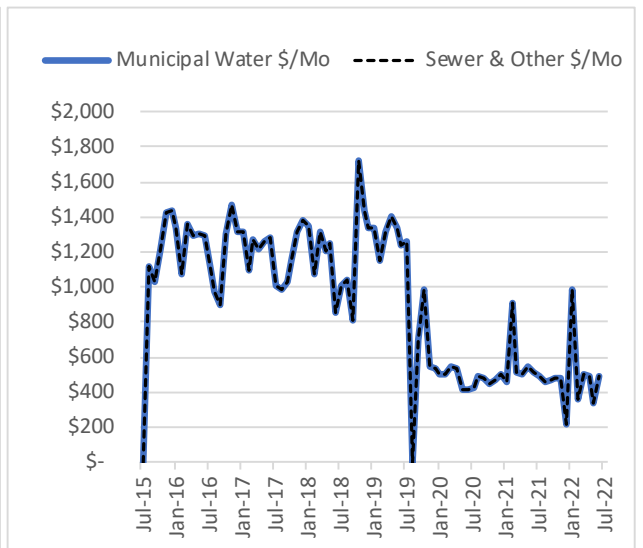
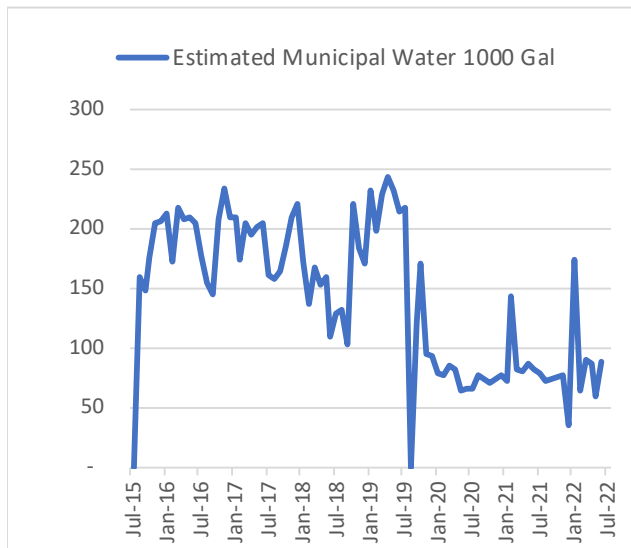
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.81		-	1.39	2.51			0.0421
2017	1.81		-	1.45	2.62			0.0389
2018	1.84		-	1.39	2.56			0.0358
2019	1.71		-	1.39	2.38			0.0304
2020	2.01		-	1.39	2.80			0.0289
2021	1.80		-	1.39	2.52			0.0167
2022	2.06		-	1.39	2.87			0.0300



UW-Marquette Own Well/Lake= No Vendor = Marinette Municipal Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	107,988	2,114	-	2,114	19.58		19.58	\$ 0.39
2017	107,988	2,316	-	2,316	21.45		21.45	\$ 0.40
2018	107,988	1,995	-	1,995	18.47		18.47	\$ 0.39
2019	107,988	2,283	-	2,283	21.15		21.15	\$ 0.42
2020	139,818	1,149	-	1,149	8.22		8.22	\$ 0.15
2021	139,818	983	-	983	7.03		7.03	\$ 0.13
2022	139,818	976	-	976	6.98		6.98	\$ 0.12

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 13,883	\$ 27,767	50.0%	\$ -	\$ 6.57		\$ 6.57	\$ 19.70
2017	\$ 14,515	\$ 29,030	50.0%	\$ -	\$ 6.27		\$ 6.27	\$ 18.80
2018	\$ 13,914	\$ 27,829	50.0%	\$ -	\$ 6.97		\$ 6.97	\$ 20.92
2019	\$ 15,135	\$ 30,270	50.0%	\$ -	\$ 6.63		\$ 6.63	\$ 19.88
2020	\$ 6,950	\$ 13,900	50.0%	\$ -	\$ 6.05		\$ 6.05	\$ 18.14
2021	\$ 6,275	\$ 12,551	50.0%	\$ -	\$ 6.38		\$ 6.38	\$ 19.14
2022	\$ 5,790	\$ 11,580	50.0%	\$ -	\$ 5.93		\$ 5.93	\$ 17.80

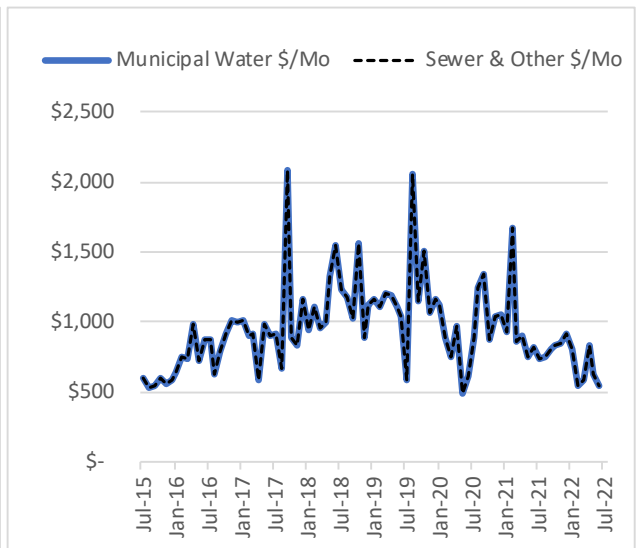
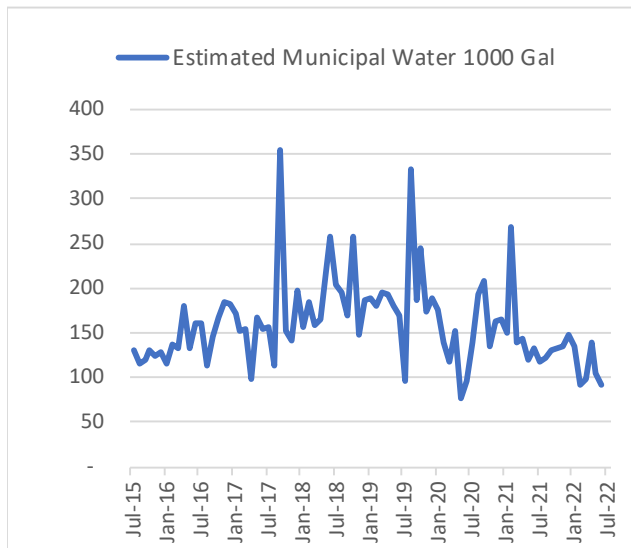
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.28		-	1.39	3.15			0.0617
2017	1.98		-	1.45	2.86			0.0614
2018	2.35		-	1.39	3.28			0.0605
2019	1.79		-	1.39	2.50			0.0528
2020	1.68		-	1.39	2.35			0.0193
2021	1.66		-	1.39	2.32			0.0163
2022	1.68		-	1.39	2.34			0.0163



UW-Marshfield Own Well/Lake= No Vendor = Marshfield Utilities								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	149,996	1,611	-	1,611	10.74		10.74	\$ 0.16
2017	149,996	1,853	-	1,853	12.36		12.36	\$ 0.21
2018	149,996	2,257	-	2,257	15.05		15.05	\$ 0.27
2019	149,996	2,268	-	2,268	15.12		15.12	\$ 0.28
2020	153,555	1,978	-	1,978	12.88		12.88	\$ 0.24
2021	153,555	1,957	-	1,957	12.75		12.75	\$ 0.24
2022	153,555	1,447	-	1,447	9.42		9.42	\$ 0.17

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 8,146	\$ 16,293	50.0%	\$ -	\$ 5.06		\$ 5.06	\$ 15.17
2017	\$ 10,511	\$ 21,023	50.0%	\$ -	\$ 5.67		\$ 5.67	\$ 17.02
2018	\$ 13,464	\$ 26,928	50.0%	\$ -	\$ 5.96		\$ 5.96	\$ 17.89
2019	\$ 13,829	\$ 27,658	50.0%	\$ -	\$ 6.10		\$ 6.10	\$ 18.30
2020	\$ 12,368	\$ 24,736	50.0%	\$ -	\$ 6.25		\$ 6.25	\$ 18.76
2021	\$ 12,380	\$ 24,761	50.0%	\$ -	\$ 6.33		\$ 6.33	\$ 18.98
2022	\$ 8,865	\$ 17,730	50.0%	\$ -	\$ 6.13		\$ 6.13	\$ 18.38

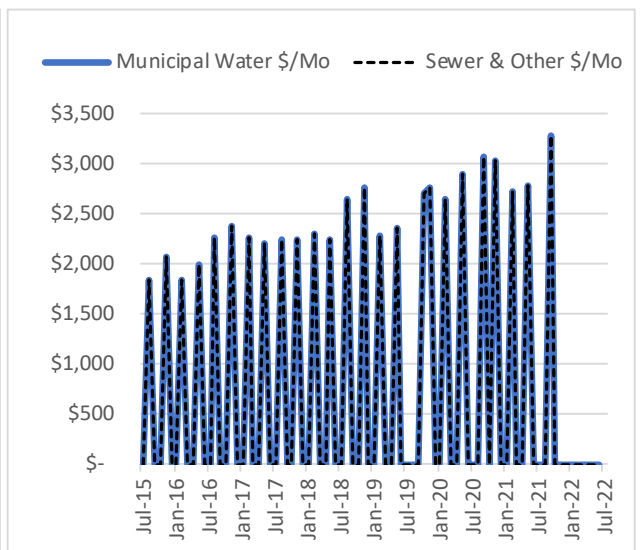
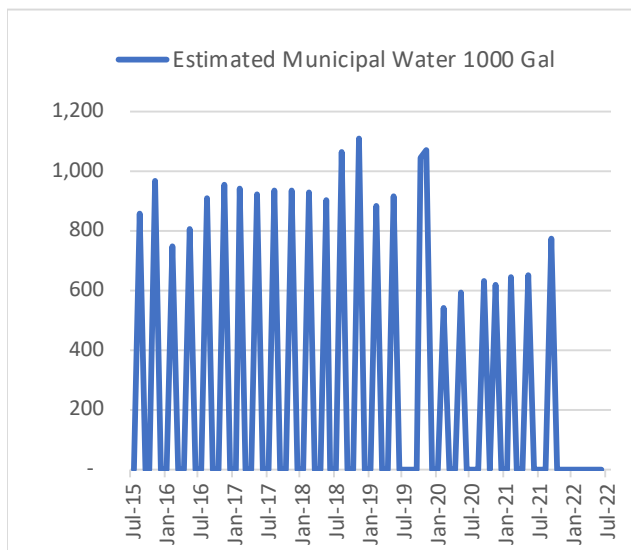
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.47		-	1.39	3.42			0.0367
2017	2.47		-	1.45	3.57			0.0441
2018	2.52		-	1.39	3.51			0.0528
2019	2.48		-	1.39	3.45			0.0522
2020	2.42		-	1.39	3.37			0.0434
2021	2.49		-	1.39	3.48			0.0443
2022	2.61		-	1.39	3.65			0.0343



UW-Rock Own Well/Lake= No Vendor = Janesville Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	191,592	3,374	-	3,374	17.61		17.61	\$ 0.12
2017	191,592	3,734	-	3,734	19.49		19.49	\$ 0.14
2018	191,592	3,697	-	3,697	19.29		19.29	\$ 0.14
2019	191,592	3,969	-	3,969	20.71		20.71	\$ 0.16
2020	191,592	3,253	-	3,253	16.98		16.98	\$ 0.17
2021	191,592	2,544	-	2,544	13.28		13.28	\$ 0.18
2022	191,592	771	-	771	4.02		4.02	\$ 0.05

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 7,739	\$ 15,479	50.0%	\$ -	\$ 2.29		\$ 2.29	\$ 6.88
2017	\$ 9,096	\$ 18,191	50.0%	\$ -	\$ 2.44		\$ 2.44	\$ 7.31
2018	\$ 9,027	\$ 18,055	50.0%	\$ -	\$ 2.44		\$ 2.44	\$ 7.33
2019	\$ 10,051	\$ 20,102	50.0%	\$ -	\$ 2.53		\$ 2.53	\$ 7.60
2020	\$ 11,006	\$ 22,013	50.0%	\$ -	\$ 3.38		\$ 3.38	\$ 10.15
2021	\$ 11,595	\$ 23,190	50.0%	\$ -	\$ 4.56		\$ 4.56	\$ 13.67
2022	\$ 3,275	\$ 6,550	50.0%	\$ -	\$ 4.25		\$ 4.25	\$ 12.74

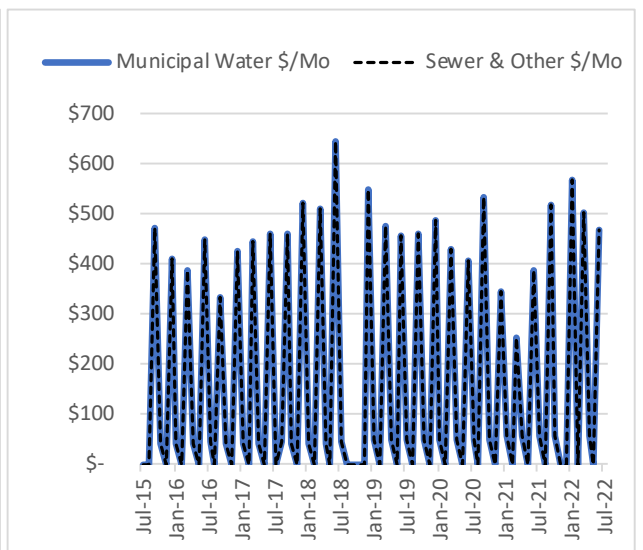
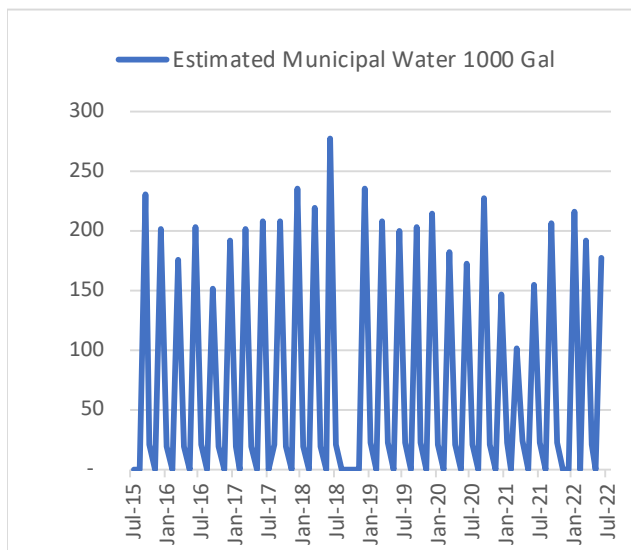
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.72		-	1.39	2.38			0.0420
2017	1.73		-	1.45	2.50			0.0488
2018	1.65		-	1.39	2.30			0.0444
2019	1.66		-	1.39	2.32			0.0480
2020	1.65		-	1.39	2.31			0.0392
2021	1.65		-	1.39	2.30			0.0305
2022	1.67		-	1.39	2.33			0.0094



UW-Sheboygan Own Well/Lake= No Vendor = Sheboygan Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	200,918	869	-	869	4.33		4.33	\$ 0.03
2017	200,918	830	-	830	4.13		4.13	\$ 0.03
2018	200,918	1,016	-	1,016	5.06		5.06	\$ 0.03
2019	200,918	708	-	708	3.53		3.53	\$ 0.02
2020	228,544	857	-	857	3.75		3.75	\$ 0.03
2021	228,544	717	-	717	3.14		3.14	\$ 0.02
2022	228,544	856	-	856	3.74		3.74	\$ 0.03

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 1,846	\$ 3,692	50.0%	\$ -	\$ 2.12		\$ 2.12	\$ 6.37
2017	\$ 1,840	\$ 3,679	50.0%	\$ -	\$ 2.22		\$ 2.22	\$ 6.65
2018	\$ 2,313	\$ 4,626	50.0%	\$ -	\$ 2.28		\$ 2.28	\$ 6.83
2019	\$ 1,627	\$ 3,253	50.0%	\$ -	\$ 2.30		\$ 2.30	\$ 6.89
2020	\$ 1,982	\$ 3,963	50.0%	\$ -	\$ 2.31		\$ 2.31	\$ 6.94
2021	\$ 1,735	\$ 3,470	50.0%	\$ -	\$ 2.42		\$ 2.42	\$ 7.26
2022	\$ 2,222	\$ 4,444	50.0%	\$ -	\$ 2.60		\$ 2.60	\$ 7.79

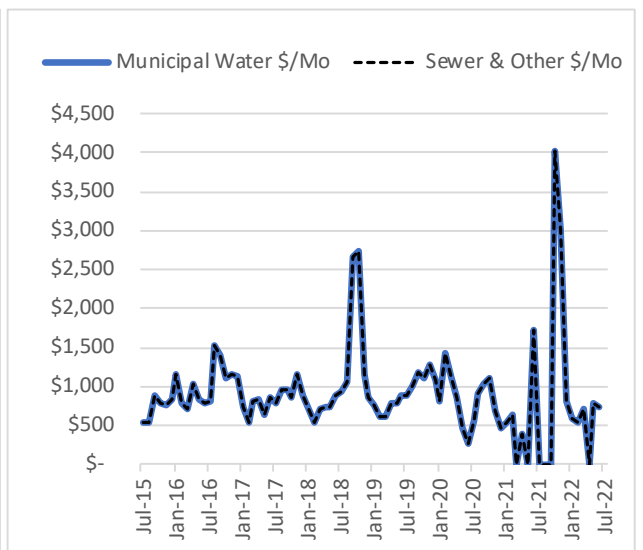
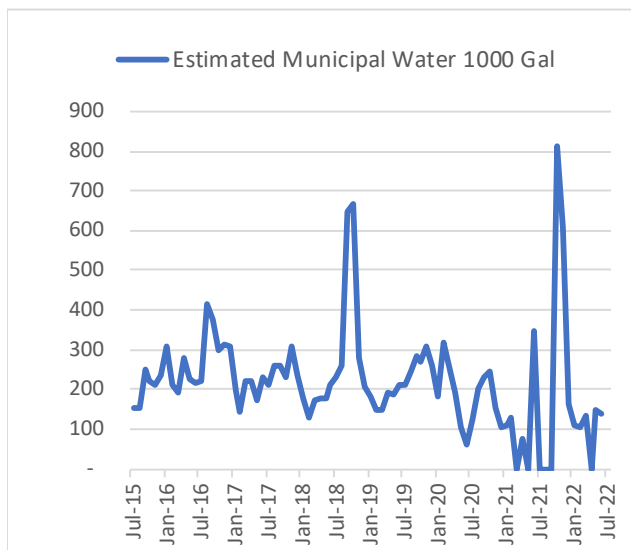
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.40		-	1.39	1.94			0.0084
2017	1.39		-	1.45	2.01			0.0083
2018	1.41		-	1.39	1.97			0.0099
2019	1.43		-	1.39	1.99			0.0070
2020	1.43		-	1.39	2.00			0.0075
2021	1.41		-	1.39	1.96			0.0062
2022	1.45		-	1.39	2.02			0.0076



UW-Waukesha Own Well/Lake= No Vendor = City of Waukesha Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	277,016	2,662	-	2,662	9.61		9.61	\$ 0.10
2017	277,016	3,118	-	3,118	11.26		11.26	\$ 0.13
2018	277,016	2,557	-	2,557	9.23		9.23	\$ 0.11
2019	277,016	3,365	-	3,365	12.15		12.15	\$ 0.15
2020	277,016	2,696	-	2,696	9.73		9.73	\$ 0.12
2021	277,016	1,724	-	1,724	6.22		6.22	\$ 0.09
2022	277,016	2,225	-	2,225	8.03		8.03	\$ 0.12

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 9,694	\$ 19,388	50.0%	\$ -	\$ 3.64		\$ 3.64	\$ 10.93
2017	\$ 11,573	\$ 23,147	50.0%	\$ -	\$ 3.71		\$ 3.71	\$ 11.13
2018	\$ 9,904	\$ 19,808	50.0%	\$ -	\$ 3.87		\$ 3.87	\$ 11.62
2019	\$ 13,848	\$ 27,697	50.0%	\$ -	\$ 4.11		\$ 4.11	\$ 12.34
2020	\$ 11,523	\$ 23,046	50.0%	\$ -	\$ 4.27		\$ 4.27	\$ 12.82
2021	\$ 8,019	\$ 16,039	50.0%	\$ -	\$ 4.65		\$ 4.65	\$ 13.96
2022	\$ 11,240	\$ 22,479	50.0%	\$ -	\$ 5.05		\$ 5.05	\$ 15.15

Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	3.73		-	1.39	5.17			0.0497
2017	3.43		-	1.45	4.98			0.0560
2018	3.80		-	1.39	5.29			0.0488
2019	3.39		-	1.39	4.72			0.0574
2020	3.64		-	1.39	5.07			0.0493
2021	3.92		-	1.39	5.46			0.0340
2022	3.52		-	1.39	4.90			0.0394



Department of Administration (DOA)



State of Wisconsin

Department of Administration

SCOPE

CAPITOL COMPLEX - Capitol Heat & Power Plant, Dept. of Administration Office Building; Dept. of Health Services Office Building; Risser Justice Center; GEF 1, 2 and 3; and Wisconsin State Capitol.

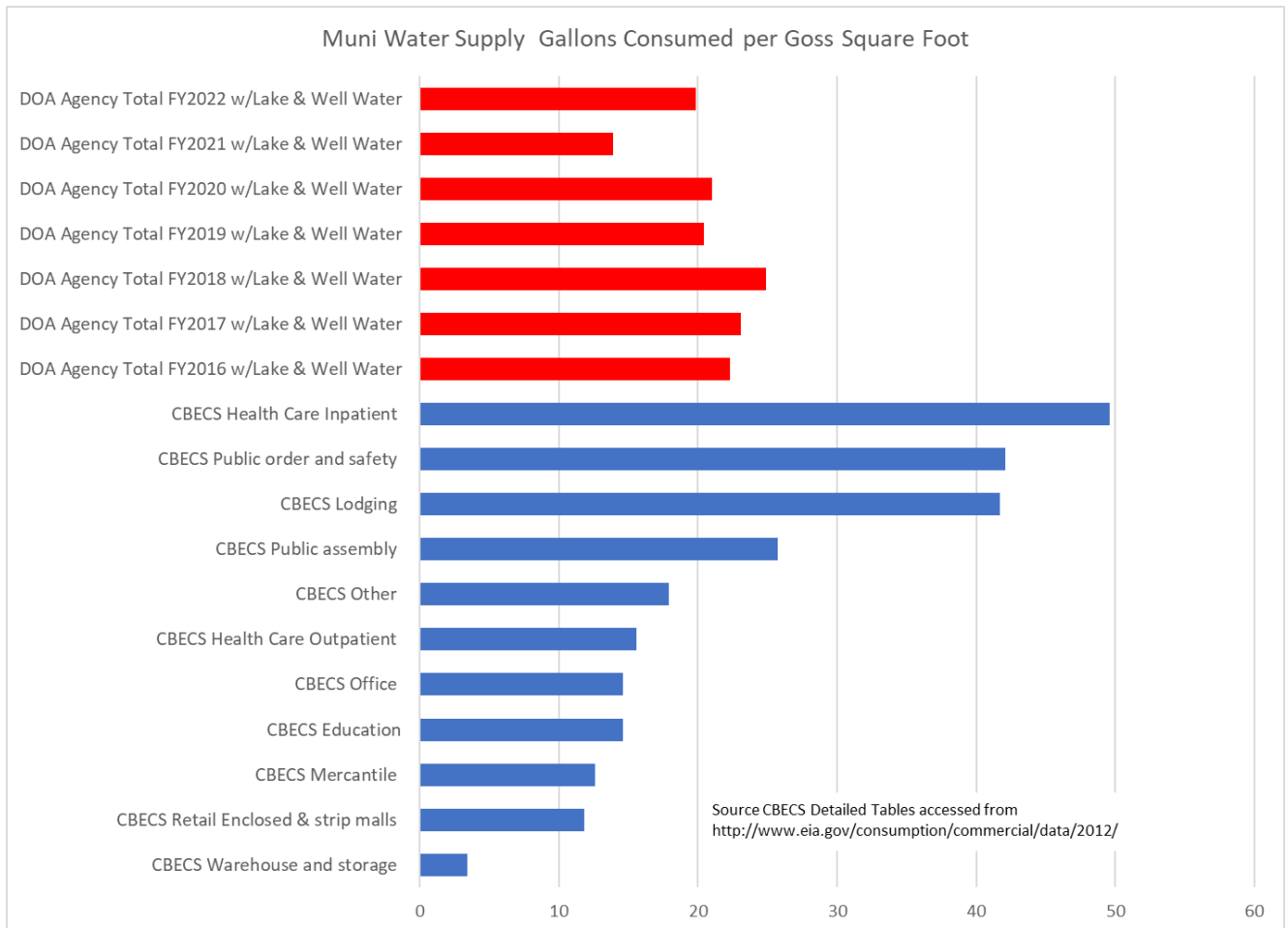
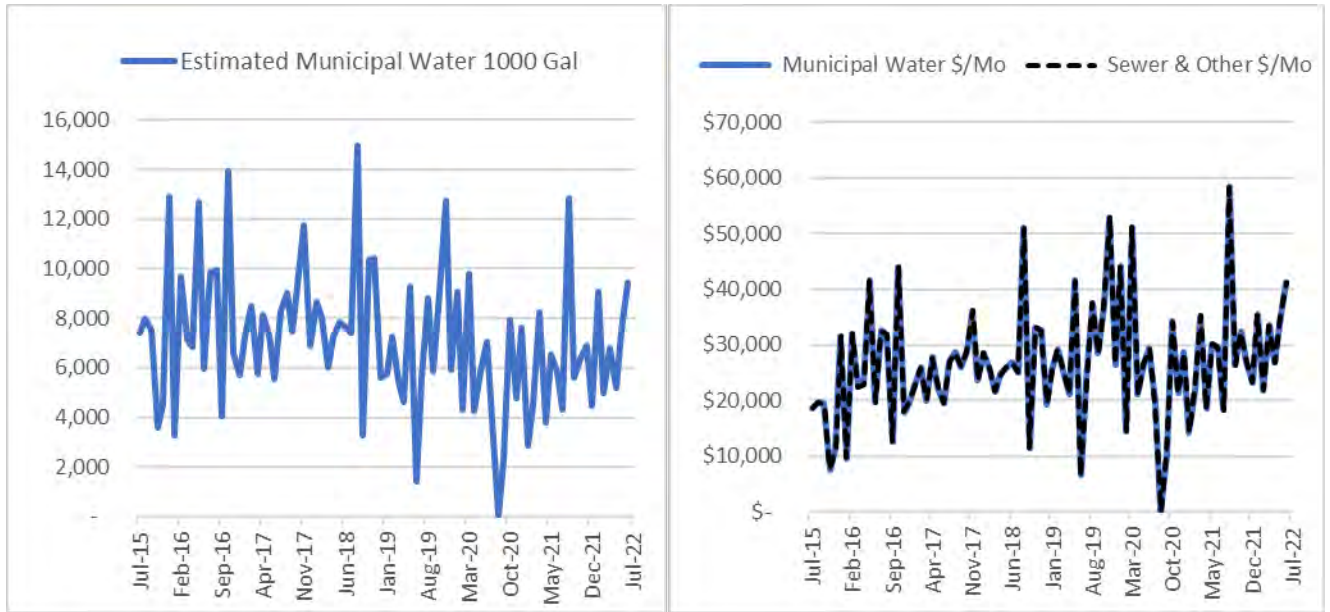
HILL FARMS COMPLEX - Hill Farms D/E/L; and State Transportation Building

SEPARATED FACILITIES - Badger Road Office Building; Eau Claire Office Building; Green Bay Office Building; La Crosse Office Building; Milwaukee Office Building; Milwaukee SE Crime Lab; State Agriculture Building; State Revenue Building; Waukesha Office Building; Wisconsin Public Broadcasting Center Building; Wisconsin Rapids Office Building; Air Services; and Executive Residence.

DOA Agency Total		Own Well/Lake= No			Muni Water Supply				
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF	
2016	4,019,258	89,562	-	89,562	22.28		22.28	\$ 0.19	
2017	4,019,258	92,628	-	92,628	23.05		23.05	\$ 0.22	
2018	3,968,416	98,706	-	98,706	24.87		24.87	\$ 0.24	
2019	4,202,931	85,799	-	85,799	20.41		20.41	\$ 0.23	
2020	4,202,931	88,416	-	88,416	21.04		21.04	\$ 0.28	
2021	4,202,931	58,401	-	58,401	13.90		13.90	\$ 0.19	
2022	4,202,931	83,506	-	83,506	19.87		19.87	\$ 0.27	

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 256,239	\$ 512,478	50.0%	\$ -	\$ 2.86		\$ 2.86	\$ 8.58
2017	\$ 297,168	\$ 594,336	50.0%	\$ -	\$ 3.21		\$ 3.21	\$ 9.62
2018	\$ 323,754	\$ 647,508	50.0%	\$ -	\$ 3.28		\$ 3.28	\$ 9.84
2019	\$ 321,750	\$ 643,499	50.0%	\$ -	\$ 3.75		\$ 3.75	\$ 11.25
2020	\$ 392,926	\$ 785,852	50.0%	\$ -	\$ 4.44		\$ 4.44	\$ 13.33
2021	\$ 263,281	\$ 526,563	50.0%	\$ -	\$ 4.51		\$ 4.51	\$ 13.52
2022	\$ 379,739	\$ 759,477	50.0%	\$ -	\$ 4.55		\$ 4.55	\$ 13.64

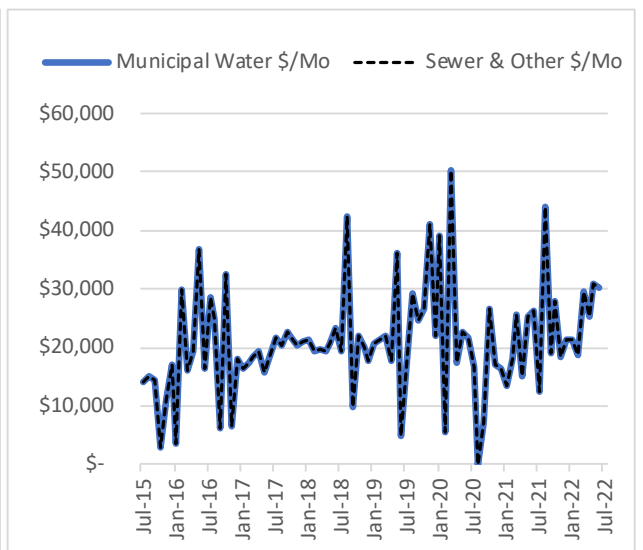
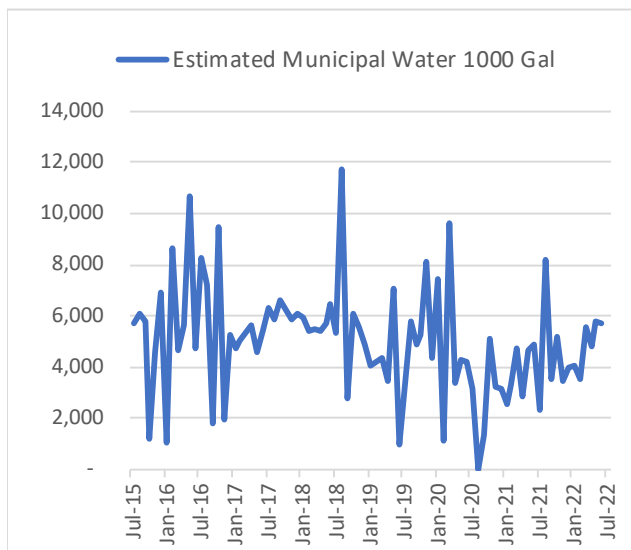
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.98		-	1.39	2.74			0.0611
2017	2.07		-	1.45	3.01			0.0693
2018	2.08		-	1.45	3.02			0.0750
2019	2.06		-	1.45	2.99			0.0610
2020	2.09		-	1.45	3.03			0.0637
2021	2.14		-	1.45	3.11			0.0431
2022	2.12		-	1.45	3.07			0.0611



DOA-Madison Own Well/Lake= No Vendor = Madison Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	3,330,376	65,590	-	65,590	19.69		19.69	\$ 0.18
2017	3,330,376	64,591	-	64,591	19.39		19.39	\$ 0.20
2018	3,330,376	71,243	-	71,243	21.39		21.39	\$ 0.23
2019	3,330,376	60,511	-	60,511	18.17		18.17	\$ 0.23
2020	3,564,891	61,719	-	61,719	17.31		17.31	\$ 0.27
2021	3,564,891	38,971	-	38,971	10.93		10.93	\$ 0.17
2022	3,564,891	56,004	-	56,004	15.71		15.71	\$ 0.25

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 196,921	\$ 393,842	50.0%	\$ -	\$ 3.00		\$ 3.00	\$ 9.01
2017	\$ 223,448	\$ 446,896	50.0%	\$ -	\$ 3.46		\$ 3.46	\$ 10.38
2018	\$ 252,069	\$ 504,139	50.0%	\$ -	\$ 3.54		\$ 3.54	\$ 10.61
2019	\$ 253,932	\$ 507,863	50.0%	\$ -	\$ 4.20		\$ 4.20	\$ 12.59
2020	\$ 317,974	\$ 635,949	50.0%	\$ -	\$ 5.15		\$ 5.15	\$ 15.46
2021	\$ 207,526	\$ 415,052	50.0%	\$ -	\$ 5.33		\$ 5.33	\$ 15.98
2022	\$ 299,137	\$ 598,274	50.0%	\$ -	\$ 5.34		\$ 5.34	\$ 16.02

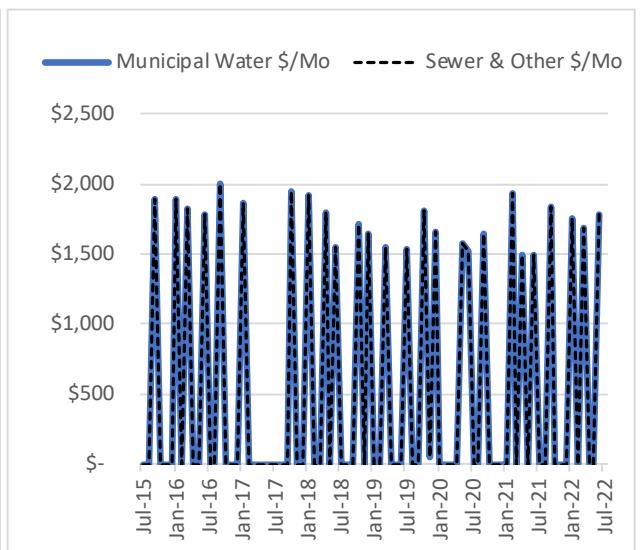
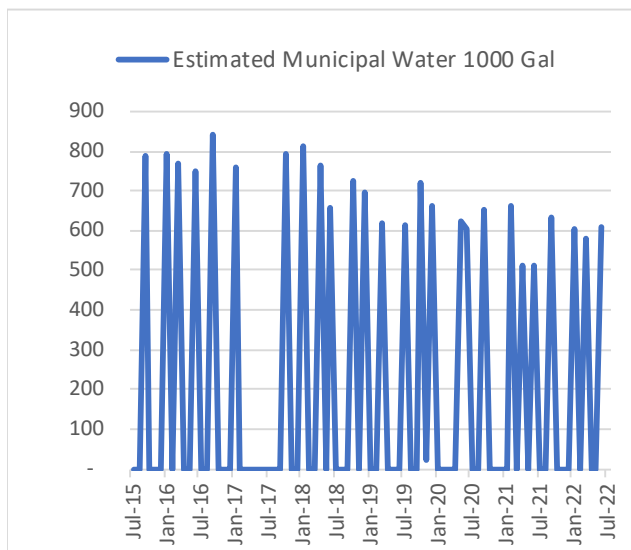
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.08		-	1.39	2.88			0.0568
2017	2.15		-	1.45	3.12			0.0605
2018	2.16		-	1.39	3.01			0.0643
2019	2.11		-	1.39	2.94			0.0534
2020	2.23		-	1.39	3.11			0.0539
2021	2.27		-	1.39	3.16			0.0346
2022	2.19		-	1.39	3.05			0.0479



DOA-Eau Claire SOB Own Well/Lake= No Vendor = Eau Claire Municipal Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	56,206	3,096	-	3,096	55.08		55.08	\$ 0.39
2017	56,206	1,600	-	1,600	28.46		28.46	\$ 0.21
2018	56,206	3,025	-	3,025	53.81		53.81	\$ 0.38
2019	56,206	2,039	-	2,039	36.28		36.28	\$ 0.26
2020	56,206	3,247	-	3,247	57.76		57.76	\$ 0.44
2021	56,206	2,339	-	2,339	41.62		41.62	\$ 0.35
2022	56,206	2,425	-	2,425	43.14		43.14	\$ 0.38

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 7,383	\$ 14,767	50.0%	\$ -	\$ 2.39		\$ 2.39	\$ 7.16
2017	\$ 3,864	\$ 7,727	50.0%	\$ -	\$ 2.42		\$ 2.42	\$ 7.25
2018	\$ 7,212	\$ 14,424	50.0%	\$ -	\$ 2.38		\$ 2.38	\$ 7.15
2019	\$ 4,903	\$ 9,806	50.0%	\$ -	\$ 2.40		\$ 2.40	\$ 7.21
2020	\$ 8,153	\$ 16,306	50.0%	\$ -	\$ 2.51		\$ 2.51	\$ 7.53
2021	\$ 6,557	\$ 13,115	50.0%	\$ -	\$ 2.80		\$ 2.80	\$ 8.41
2022	\$ 7,069	\$ 14,137	50.0%	\$ -	\$ 2.92		\$ 2.92	\$ 8.75

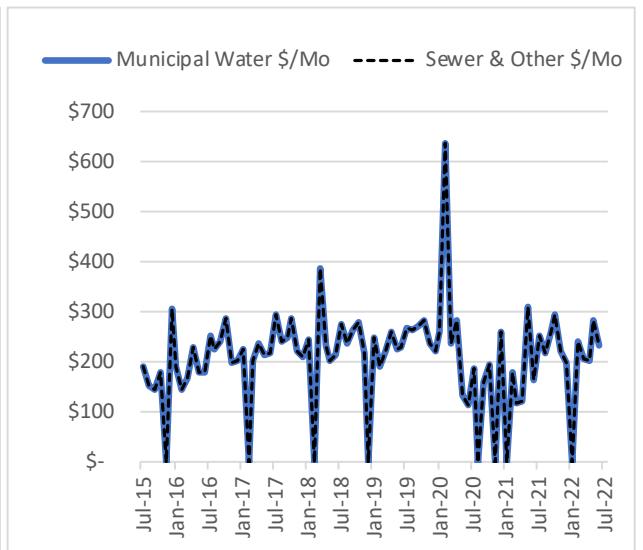
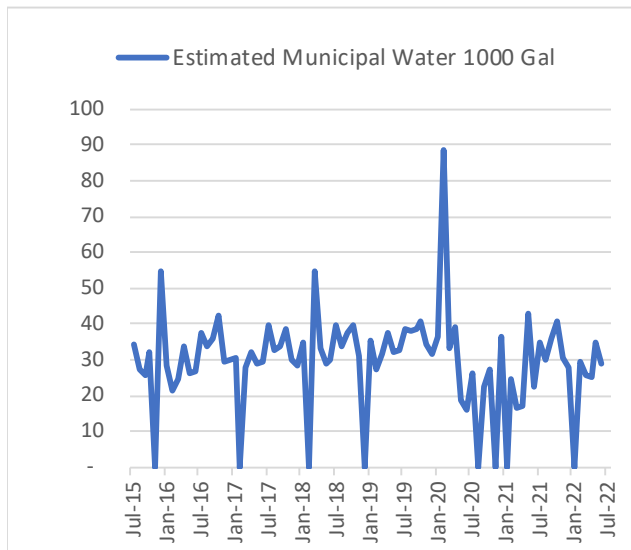
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.06		-	1.39	2.86			0.1575
2017	2.04		-	1.45	2.96			0.0843
2018	2.05		-	1.39	2.85			0.1536
2019	2.07		-	1.39	2.88			0.1046
2020	2.05		-	1.39	2.86			0.1653
2021	2.06		-	1.39	2.87			0.1197
2022	2.00		-	1.39	2.79			0.1203



DOA-Green Bay SOB Own Well/Lake= No Vendor = Village of Allouez Water Department								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	69,206	335	-	335	4.84		4.84	\$ 0.09
2017	69,206	357	-	357	5.16		5.16	\$ 0.11
2018	69,206	386	-	386	5.58		5.58	\$ 0.12
2019	69,206	379	-	379	5.47		5.47	\$ 0.12
2020	69,206	454	-	454	6.55		6.55	\$ 0.14
2021	69,206	235	-	235	3.40		3.40	\$ 0.07
2022	69,206	343	-	343	4.96		4.96	\$ 0.11

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 2,066	\$ 4,131	50.0%	\$ -	\$ 6.16		\$ 6.16	\$ 18.49
2017	\$ 2,512	\$ 5,023	50.0%	\$ -	\$ 7.03		\$ 7.03	\$ 21.10
2018	\$ 2,789	\$ 5,578	50.0%	\$ -	\$ 7.23		\$ 7.23	\$ 21.68
2019	\$ 2,657	\$ 5,314	50.0%	\$ -	\$ 7.02		\$ 7.02	\$ 21.05
2020	\$ 3,215	\$ 6,429	50.0%	\$ -	\$ 7.09		\$ 7.09	\$ 21.26
2021	\$ 1,703	\$ 3,406	50.0%	\$ -	\$ 7.24		\$ 7.24	\$ 21.71
2022	\$ 2,629	\$ 5,258	50.0%	\$ -	\$ 7.66		\$ 7.66	\$ 22.98

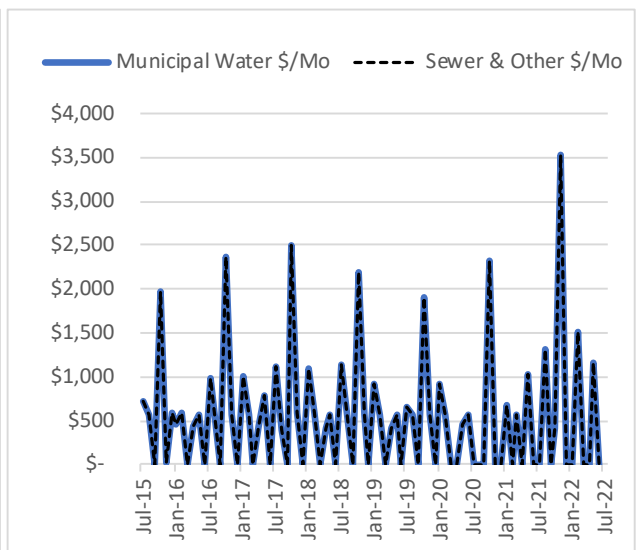
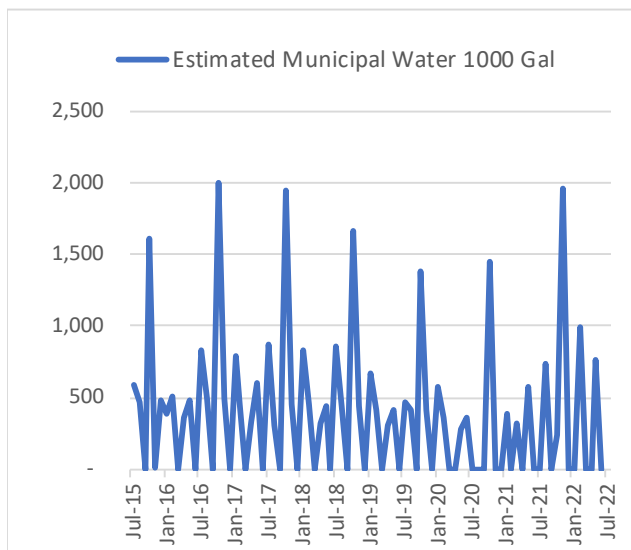
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	0.28		-	1.39	0.39			0.0019
2017	0.26		-	1.45	0.37			0.0019
2018	0.25		-	1.39	0.35			0.0020
2019	0.28		-	1.39	0.39			0.0021
2020	2.00		-	1.39	2.79			0.0183
2021	2.00		-	1.39	2.79			0.0095
2022	0.27		-	1.39	0.38			0.0019



DOA-La Crosse SOB Own Well/Lake= No Vendor = La Crosse Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	45,965	4,896	-	4,896	106.51		106.51	\$ 0.39
2017	45,965	5,998	-	5,998	130.49		130.49	\$ 0.48
2018	45,965	5,604	-	5,604	121.92		121.92	\$ 0.47
2019	45,965	5,195	-	5,195	113.03		113.03	\$ 0.46
2020	45,965	4,270	-	4,270	92.90		92.90	\$ 0.41
2021	45,965	2,722	-	2,722	59.22		59.22	\$ 0.30
2022	45,965	4,685	-	4,685	101.93		101.93	\$ 0.52

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 5,942	\$ 11,883	50.0%	\$ -	\$ 1.21		\$ 1.21	\$ 3.64
2017	\$ 7,310	\$ 14,621	50.0%	\$ -	\$ 1.22		\$ 1.22	\$ 3.66
2018	\$ 7,273	\$ 14,546	50.0%	\$ -	\$ 1.30		\$ 1.30	\$ 3.89
2019	\$ 6,972	\$ 13,943	50.0%	\$ -	\$ 1.34		\$ 1.34	\$ 4.03
2020	\$ 6,231	\$ 12,461	50.0%	\$ -	\$ 1.46		\$ 1.46	\$ 4.38
2021	\$ 4,610	\$ 9,221	50.0%	\$ -	\$ 1.69		\$ 1.69	\$ 5.08
2022	\$ 7,943	\$ 15,887	50.0%	\$ -	\$ 1.70		\$ 1.70	\$ 5.09

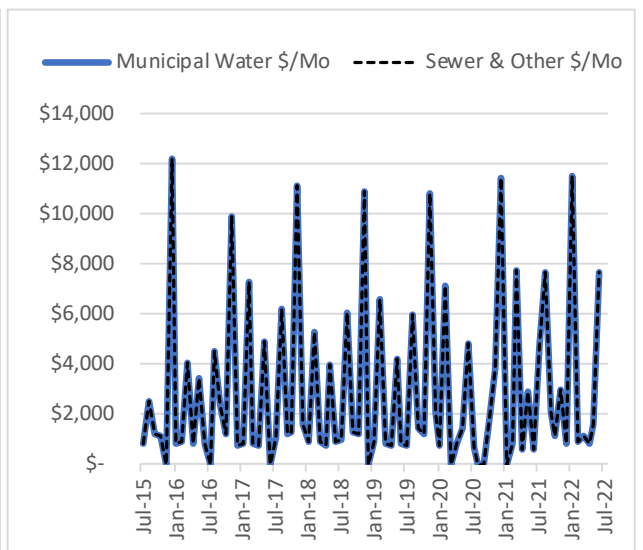
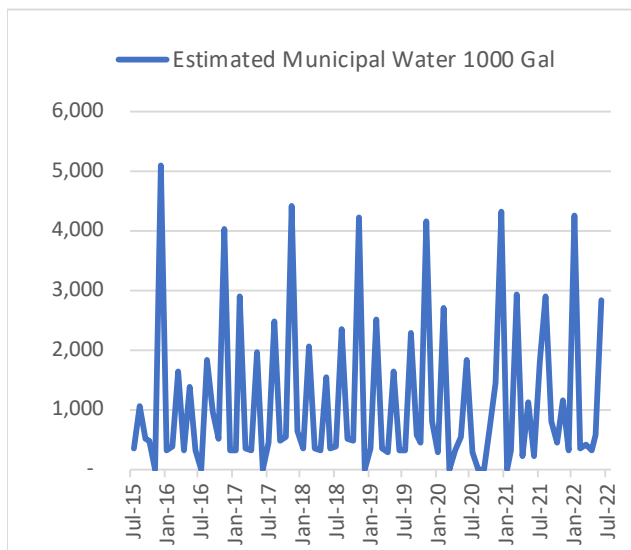
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.33		-	1.39	1.84			0.1960
2017	1.45		-	1.45	2.10			0.2746
2018	1.56		-	1.39	2.17			0.2647
2019	1.46		-	1.39	2.04			0.2306
2020	1.35		-	1.39	1.88			0.1747
2021	1.36		-	1.39	1.90			0.1127
2022	1.37		-	1.39	1.91			0.1948



DOA-Milwaukee Own Well/Lake= No Vendor = Milwaukee Water Works								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	245,135	11,879	-	11,879	48.46		48.46	\$ 0.35
2017	245,135	13,421	-	13,421	54.75		54.75	\$ 0.41
2018	245,135	13,914	-	13,914	56.76		56.76	\$ 0.43
2019	245,135	13,312	-	13,312	54.30		54.30	\$ 0.42
2020	245,135	14,256	-	14,256	58.15		58.15	\$ 0.46
2021	245,135	11,536	-	11,536	47.06		47.06	\$ 0.37
2022	245,135	16,145	-	16,145	65.86		65.86	\$ 0.53

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 28,737	\$ 57,474	50.0%	\$ -	\$ 2.42		\$ 2.42	\$ 7.26
2017	\$ 33,430	\$ 66,859	50.0%	\$ -	\$ 2.49		\$ 2.49	\$ 7.47
2018	\$ 35,342	\$ 70,684	50.0%	\$ -	\$ 2.54		\$ 2.54	\$ 7.62
2019	\$ 34,477	\$ 68,954	50.0%	\$ -	\$ 2.59		\$ 2.59	\$ 7.77
2020	\$ 37,399	\$ 74,799	50.0%	\$ -	\$ 2.62		\$ 2.62	\$ 7.87
2021	\$ 30,415	\$ 60,830	50.0%	\$ -	\$ 2.64		\$ 2.64	\$ 7.91
2022	\$ 43,096	\$ 86,193	50.0%	\$ -	\$ 2.67		\$ 2.67	\$ 8.01

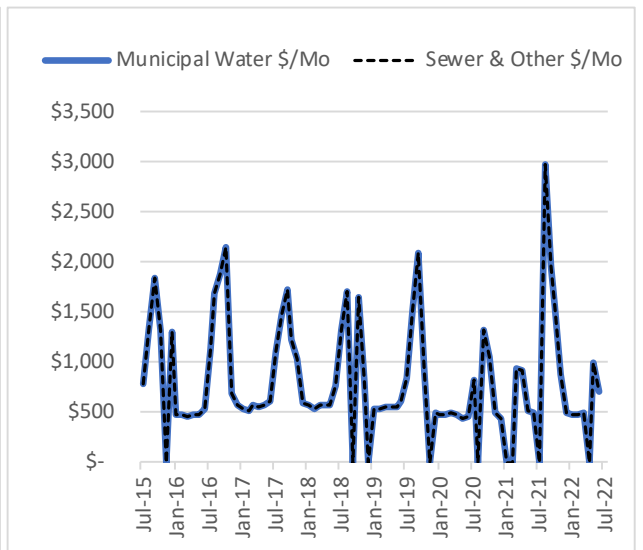
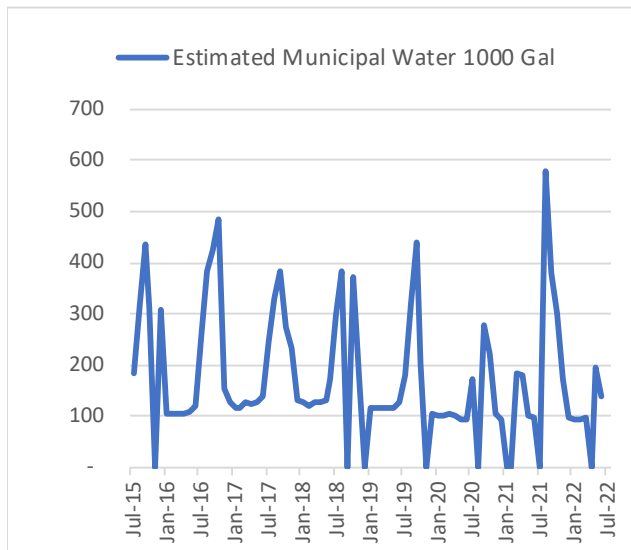
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.78		-	1.39	2.47			0.1195
2017	1.83		-	1.45	2.65			0.1451
2018	1.77		-	1.39	2.46			0.1399
2019	1.73		-	1.39	2.41			0.1308
2020	1.86		-	1.39	2.59			0.1504
2021	1.89		-	1.39	2.63			0.1238
2022	1.88		-	1.39	2.62			0.1724



DOA-WI Rapids SOB Own Well/Lake= No Vendor = Wisconsin Rapids Water Works and Lighting Commission								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	51,552	2,206	-	2,206	42.78		42.78	\$ 0.55
2017	51,552	2,575	-	2,575	49.95		49.95	\$ 0.67
2018	51,552	2,393	-	2,393	46.42		46.42	\$ 0.63
2019	51,552	1,931	-	1,931	37.45		37.45	\$ 0.51
2020	51,552	1,841	-	1,841	35.70		35.70	\$ 0.51
2021	51,552	1,428	-	1,428	27.71		27.71	\$ 0.41
2022	51,552	2,146	-	2,146	41.62		41.62	\$ 0.64

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 9,482	\$ 18,964	50.0%	\$ -	\$ 4.30		\$ 4.30	\$ 12.90
2017	\$ 11,441	\$ 22,882	50.0%	\$ -	\$ 4.44		\$ 4.44	\$ 13.33
2018	\$ 10,747	\$ 21,493	50.0%	\$ -	\$ 4.49		\$ 4.49	\$ 13.47
2019	\$ 8,796	\$ 17,591	50.0%	\$ -	\$ 4.56		\$ 4.56	\$ 13.67
2020	\$ 8,741	\$ 17,483	50.0%	\$ -	\$ 4.75		\$ 4.75	\$ 14.25
2021	\$ 7,029	\$ 14,058	50.0%	\$ -	\$ 4.92		\$ 4.92	\$ 14.76
2022	\$ 11,000	\$ 22,001	50.0%	\$ -	\$ 5.13		\$ 5.13	\$ 15.38

Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.97		-	1.39	2.73			0.1169
2017	1.94		-	1.45	2.81			0.1405
2018	1.60		-	1.39	2.23			0.1037
2019	1.68		-	1.39	2.34			0.0876
2020	1.65		-	1.39	2.30			0.0820
2021	1.65		-	1.39	2.30			0.0638
2022	1.83		-	1.39	2.56			0.1065



Department of Corrections



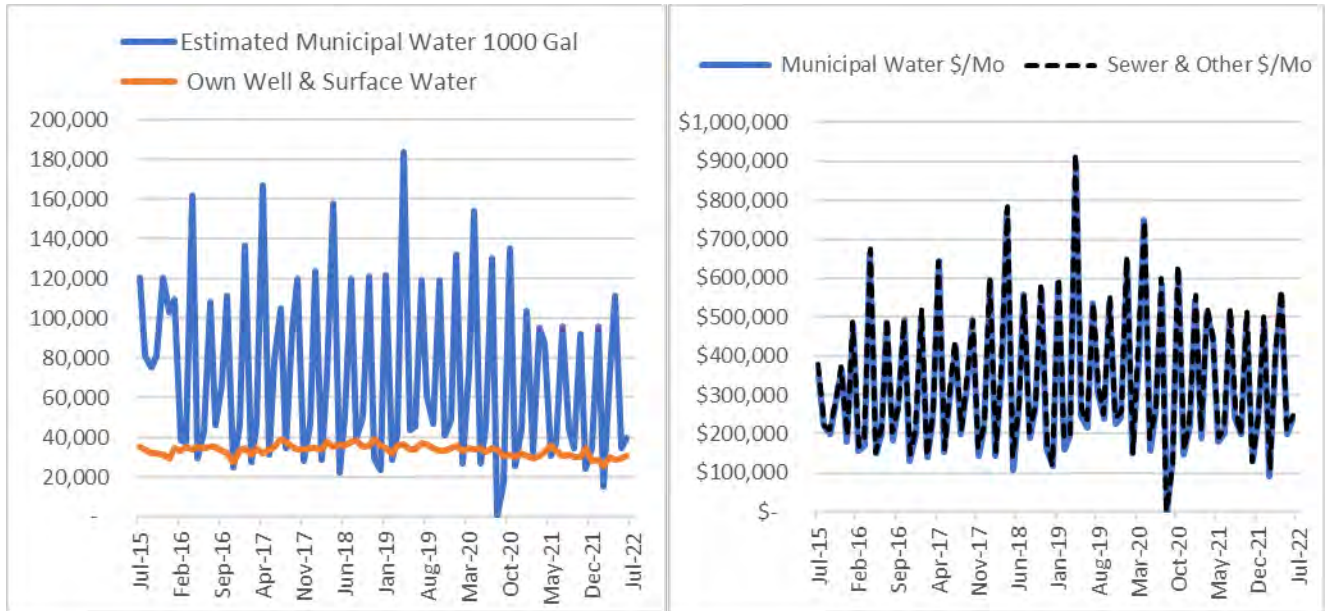
SCOPE

Facilities Included: Columbia Correctional Institution; Prairie du Chien Correctional; Ethan Allen School to FY14; Racine Correctional Institution; Fox Lake Correctional Institution; Racine Youthful Offender Facility; Green Bay Correctional Institution; Redgranite Correctional Institution; Jackson Correctional Institution; Stanley Correctional Institution; Kettle Moraine Correctional Institution; Sturtevant Transitional Facility; Lincoln Hills School; Taycheedah Correctional Institution; Milwaukee Secure Detention Facility; Waupun Complex, includes - Dodge Correctional Institution and Waupun Correctional Institution; New Lisbon Correctional Institution; Oak Hill Correctional Institution; Oshkosh Correctional Institution; and Wisconsin Secure Program Facility.

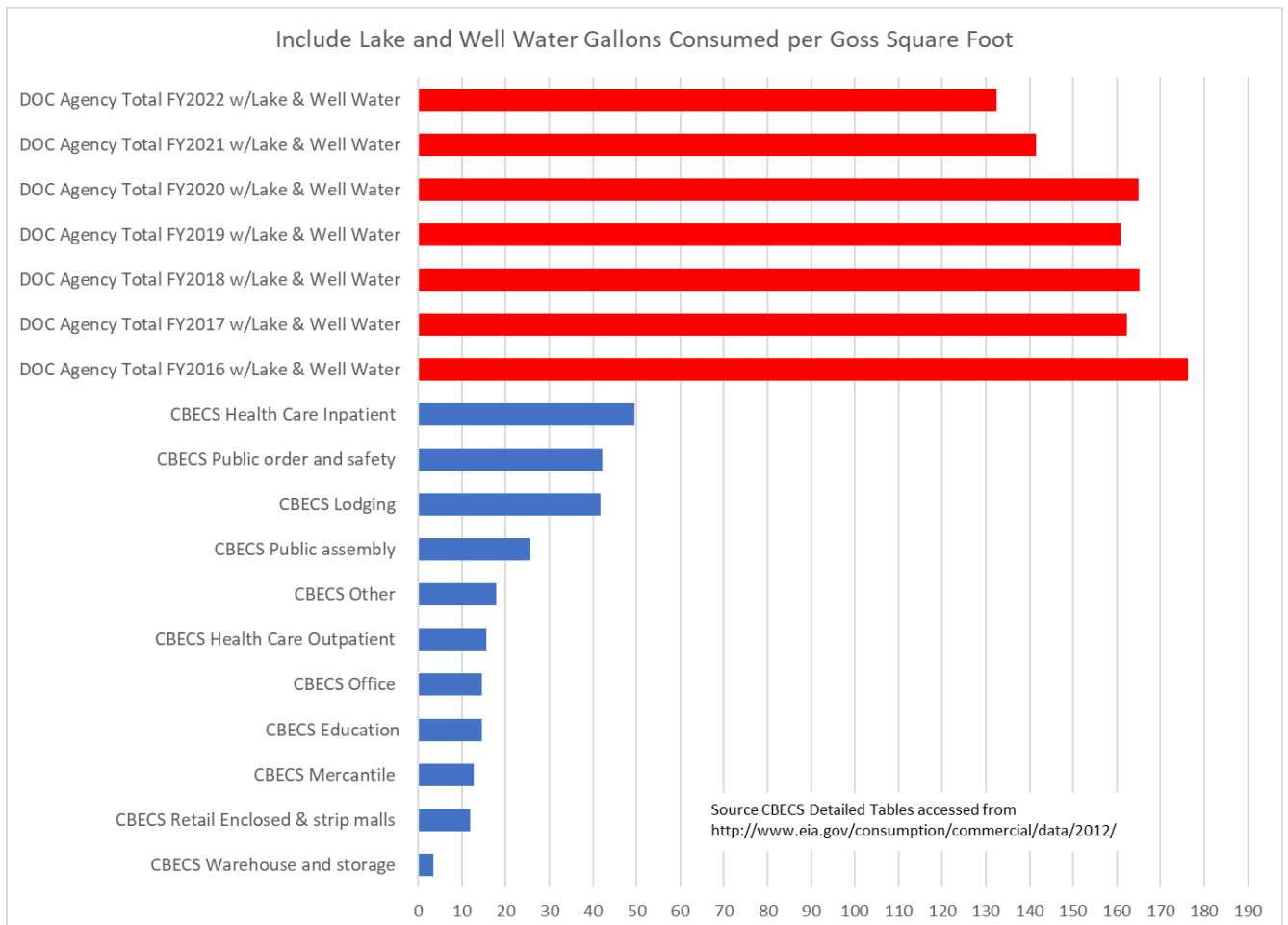
DOC Agency Total		Own Well/Lake= Yes			Include Lake and Well Water			
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	7,939,611	1,000,010	399,198	1,399,208	125.95	50.28	176.23	\$ 1.31
2017	7,939,611	890,969	397,985	1,288,953	112.22	50.13	162.34	\$ 1.44
2018	7,939,611	883,119	427,747	1,310,865	111.23	53.88	165.10	\$ 1.55
2019	7,939,611	848,746	428,851	1,277,597	106.90	54.01	160.91	\$ 1.60
2020	7,939,611	894,529	415,279	1,309,807	112.67	52.30	164.97	\$ 1.70
2021	7,939,611	739,508	384,325	1,123,833	93.14	48.41	141.55	\$ 1.45
2022	7,939,611	695,050	357,224	1,052,273	87.54	44.99	132.53	\$ 1.46

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 3,405,848	\$ 6,953,236	49.0%	\$ 76,241	\$ 3.41	\$ 0.19	\$ 3.60	\$ 7.46
2017	\$ 3,743,852	\$ 7,613,525	49.2%	\$ 76,342	\$ 4.20	\$ 0.19	\$ 4.39	\$ 8.87
2018	\$ 4,027,351	\$ 8,219,011	49.0%	\$ 81,318	\$ 4.56	\$ 0.19	\$ 4.75	\$ 9.40
2019	\$ 4,154,871	\$ 8,482,100	49.0%	\$ 80,355	\$ 4.90	\$ 0.19	\$ 5.08	\$ 9.95
2020	\$ 4,423,621	\$ 9,011,324	49.1%	\$ 78,902	\$ 4.95	\$ 0.19	\$ 5.14	\$ 10.32
2021	\$ 3,760,710	\$ 7,662,644	49.1%	\$ 71,769	\$ 5.09	\$ 0.19	\$ 5.27	\$ 10.23
2022	\$ 3,784,475	\$ 7,711,381	49.1%	\$ 68,345	\$ 5.44	\$ 0.19	\$ 5.64	\$ 10.99

Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.81	2.00	798,395	1.39	2.58	0.1006	343.21	0.4541
2017	1.90	2.00	795,969	1.45	2.79	0.1003	342.16	0.4537
2018	1.96	2.00	855,494	1.45	2.86	0.1078	367.75	0.4721
2019	1.93	2.00	857,702	1.45	2.83	0.1080	368.70	0.4558
2020	2.04	2.00	830,557	1.45	2.93	0.1046	357.03	0.4840
2021	2.01	2.00	768,649	1.45	2.91	0.0968	330.42	0.4115
2022	2.07	2.00	714,447	1.45	2.96	0.0900	307.12	0.3924



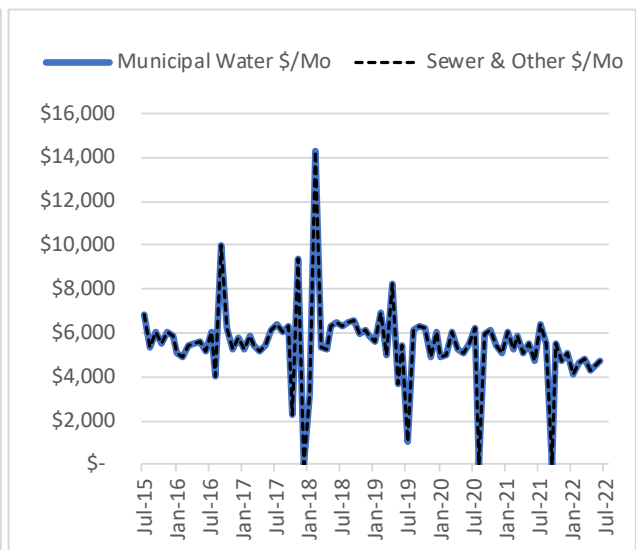
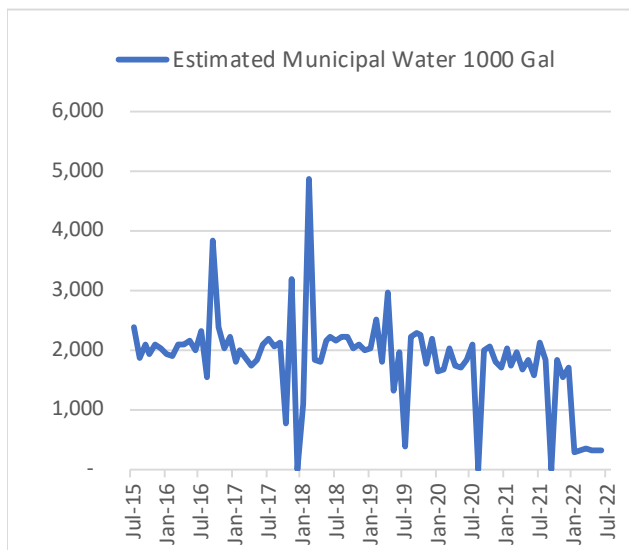
DOC ground water wells include Fox Lake 73 million gallons per year, Oakhill 42 million gallons per year, Lincoln Hills 11 million gallons per year Kettle Moraine 53 million gallons per year and Waupun 174 million gallons per year.



DOC-Boscobel								
Own Well/Lake= No			Vendor = Boscobel Municipal Utilities					
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	195,000	24,514	-	24,514	125.71		125.71	\$ 1.04
2017	195,000	25,660	-	25,660	131.59		131.59	\$ 1.09
2018	195,000	24,252	-	24,252	124.37		124.37	\$ 1.09
2019	195,000	25,259	-	25,259	129.54		129.54	\$ 1.11
2020	195,000	21,703	-	21,703	111.29		111.29	\$ 0.96
2021	195,000	20,427	-	20,427	104.75		104.75	\$ 0.94
2022	195,000	10,919	-	10,919	56.00		56.00	\$ 0.84

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 67,284	\$ 134,567	50.0%	\$ -	\$ 2.74		\$ 2.74	\$ 8.23
2017	\$ 70,713	\$ 141,427	50.0%	\$ -	\$ 2.76		\$ 2.76	\$ 8.27
2018	\$ 71,158	\$ 142,317	50.0%	\$ -	\$ 2.93		\$ 2.93	\$ 8.80
2019	\$ 72,086	\$ 144,173	50.0%	\$ -	\$ 2.85		\$ 2.85	\$ 8.56
2020	\$ 62,494	\$ 124,987	50.0%	\$ -	\$ 2.88		\$ 2.88	\$ 8.64
2021	\$ 61,362	\$ 122,723	50.0%	\$ -	\$ 3.00		\$ 3.00	\$ 9.01
2022	\$ 54,329	\$ 108,658	50.0%	\$ -	\$ 4.98		\$ 4.98	\$ 14.93

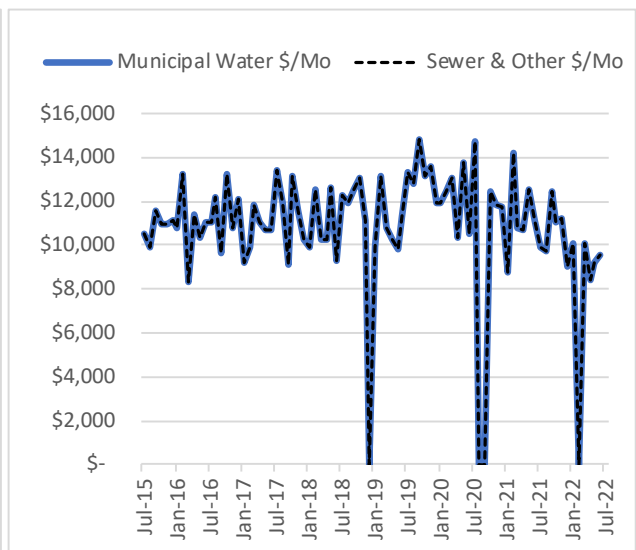
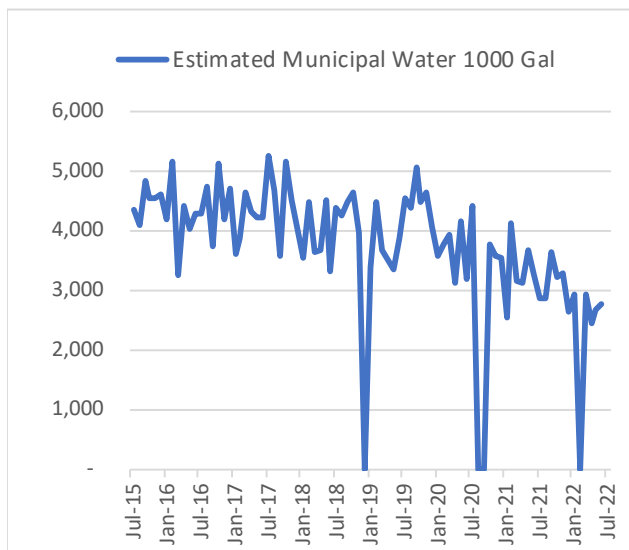
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.38		-	1.39	3.30			0.4151
2017	2.36		-	1.45	3.41			0.4491
2018	2.24		-	1.39	3.12			0.3885
2019	2.45		-	1.39	3.42			0.4431
2020	2.25		-	1.39	3.13			0.3484
2021	1.97		-	1.39	2.75			0.2878
2022	2.48		-	1.39	3.45			0.1934



DOC-Columbia								
Own Well/Lake= No			Vendor = Portage Water Utility					
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	330,807	52,252	-	52,252	157.95		157.95	\$ 1.18
2017	330,807	51,598	-	51,598	155.98		155.98	\$ 1.20
2018	330,807	50,325	-	50,325	152.13		152.13	\$ 1.22
2019	330,807	43,985	-	43,985	132.96		132.96	\$ 1.14
2020	330,807	48,896	-	48,896	147.81		147.81	\$ 1.38
2021	330,807	35,174	-	35,174	106.33		106.33	\$ 1.08
2022	330,807	32,262	-	32,262	97.52		97.52	\$ 1.01

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 130,227	\$ 260,455	50.0%	\$ -	\$ 2.49		\$ 2.49	\$ 7.48
2017	\$ 132,377	\$ 264,755	50.0%	\$ -	\$ 2.57		\$ 2.57	\$ 7.70
2018	\$ 134,270	\$ 268,539	50.0%	\$ -	\$ 2.67		\$ 2.67	\$ 8.00
2019	\$ 126,206	\$ 252,411	50.0%	\$ -	\$ 2.87		\$ 2.87	\$ 8.61
2020	\$ 151,791	\$ 303,582	50.0%	\$ -	\$ 3.10		\$ 3.10	\$ 9.31
2021	\$ 118,914	\$ 237,827	50.0%	\$ -	\$ 3.38		\$ 3.38	\$ 10.14
2022	\$ 110,864	\$ 221,728	50.0%	\$ -	\$ 3.44		\$ 3.44	\$ 10.31

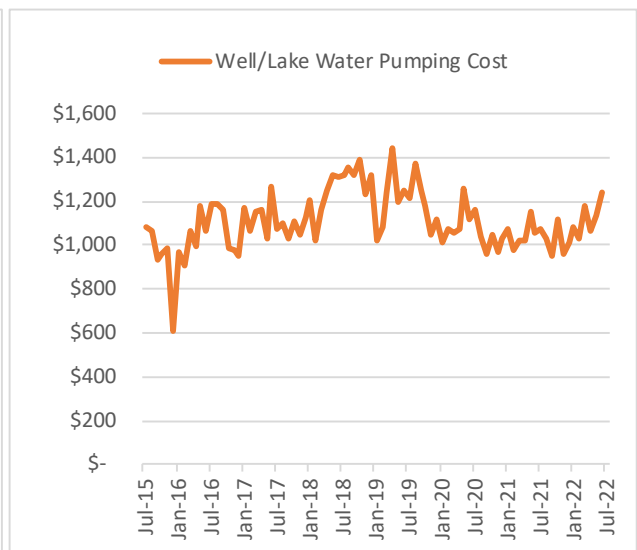
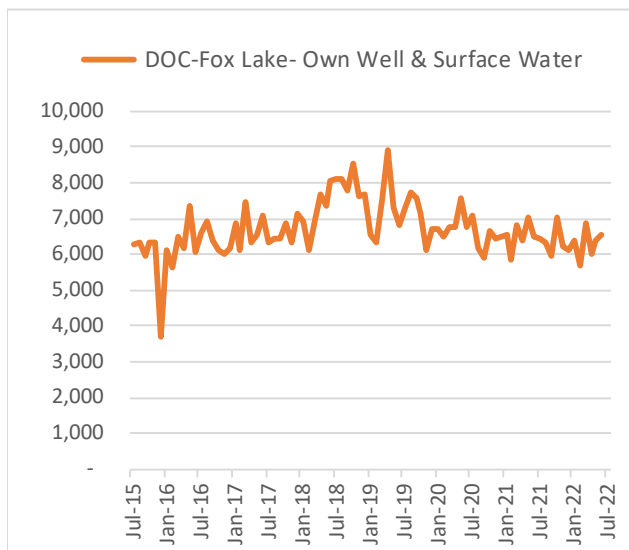
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.11		-	1.39	2.93			0.4623
2017	2.27		-	1.45	3.29			0.5128
2018	2.29		-	1.39	3.19			0.4859
2019	2.33		-	1.39	3.25			0.4317
2020	2.23		-	1.39	3.11			0.4591
2021	2.26		-	1.39	3.15			0.3350
2022	2.34		-	1.39	3.26			0.3175



DOC-Fox Lake								
Own Well/Lake= Yes			Vendor = Own Well & Sewer					
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	533,407	-	72,776	72,776		136.44	136.44	\$ 0.02
2017	533,407	-	78,630	78,630		147.41	147.41	\$ 0.02
2018	533,407	-	82,657	82,657		154.96	154.96	\$ 0.03
2019	533,407	-	91,327	91,327		171.21	171.21	\$ 0.03
2020	533,407	-	83,730	83,730		156.97	156.97	\$ 0.03
2021	533,407	-	77,863	77,863		145.97	145.97	\$ 0.02
2022	533,407	-	75,933	75,933		142.35	142.35	\$ 0.02

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ -	\$ -		\$ 11,814		\$ 0.16	\$ 0.16	\$ 0.16
2017	\$ -	\$ -		\$ 13,284		\$ 0.17	\$ 0.17	\$ 0.17
2018	\$ -	\$ -		\$ 13,744		\$ 0.17	\$ 0.17	\$ 0.17
2019	\$ -	\$ -		\$ 15,176		\$ 0.17	\$ 0.17	\$ 0.17
2020	\$ -	\$ -		\$ 13,768		\$ 0.16	\$ 0.16	\$ 0.16
2021	\$ -	\$ -		\$ 12,517		\$ 0.16	\$ 0.16	\$ 0.16
2022	\$ -	\$ -		\$ 12,870		\$ 0.17	\$ 0.17	\$ 0.17

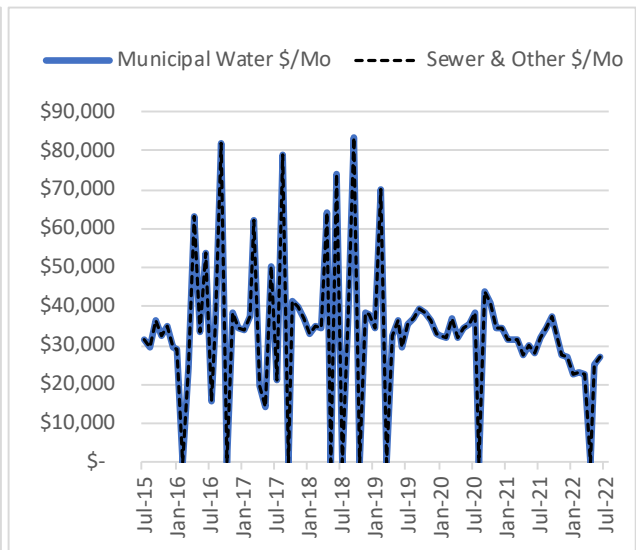
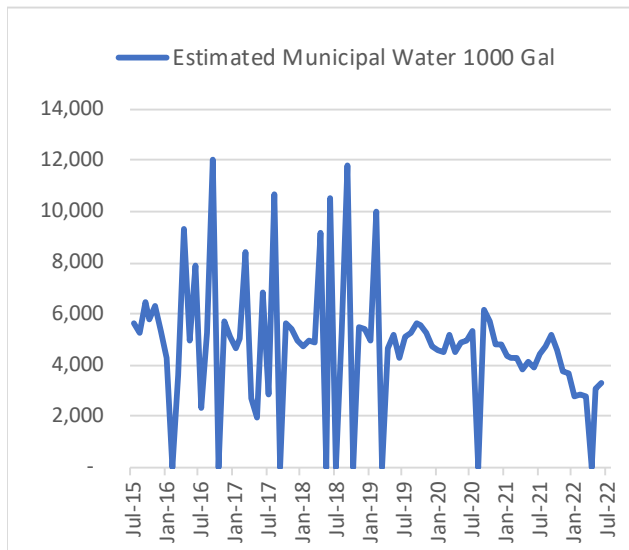
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.00	2.00	145,552	1.39	2.77	0.2729	931.31	0.3779
2017	2.00	2.00	157,260	1.45	2.90	0.2948	1,006.23	0.4272
2018	2.00	2.00	165,314	1.39	2.79	0.3099	1,057.76	0.4320
2019	2.00	2.00	182,654	1.39	2.79	0.3424	1,168.71	0.4773
2020	2.00	2.00	167,460	1.39	2.79	0.3139	1,071.49	0.4376
2021	2.00	2.00	155,726	1.39	2.79	0.2919	996.41	0.4070
2022	2.00	2.00	151,866	1.39	2.79	0.2847	971.71	0.3969



DOC-Green Bay Own Well/Lake= No Vendor = Village of Allouez Water Department								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	453,750	64,763	-	64,763	142.73		142.73	\$ 2.63
2017	453,750	59,833	-	59,833	131.86		131.86	\$ 2.80
2018	453,750	63,789	-	63,789	140.58		140.58	\$ 3.04
2019	453,750	56,993	-	56,993	125.60		125.60	\$ 2.64
2020	453,750	59,943	-	59,943	132.11		132.11	\$ 2.81
2021	453,750	51,563	-	51,563	113.64		113.64	\$ 2.47
2022	453,750	41,168	-	41,168	90.73		90.73	\$ 2.07

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 397,795	\$ 795,591	50.0%	\$ -	\$ 6.14		\$ 6.14	\$ 18.43
2017	\$ 423,677	\$ 847,355	50.0%	\$ -	\$ 7.08		\$ 7.08	\$ 21.24
2018	\$ 459,585	\$ 919,171	50.0%	\$ -	\$ 7.20		\$ 7.20	\$ 21.61
2019	\$ 400,000	\$ 800,000	50.0%	\$ -	\$ 7.02		\$ 7.02	\$ 21.06
2020	\$ 424,418	\$ 848,836	50.0%	\$ -	\$ 7.08		\$ 7.08	\$ 21.24
2021	\$ 372,867	\$ 745,734	50.0%	\$ -	\$ 7.23		\$ 7.23	\$ 21.69
2022	\$ 313,152	\$ 626,304	50.0%	\$ -	\$ 7.61		\$ 7.61	\$ 22.82

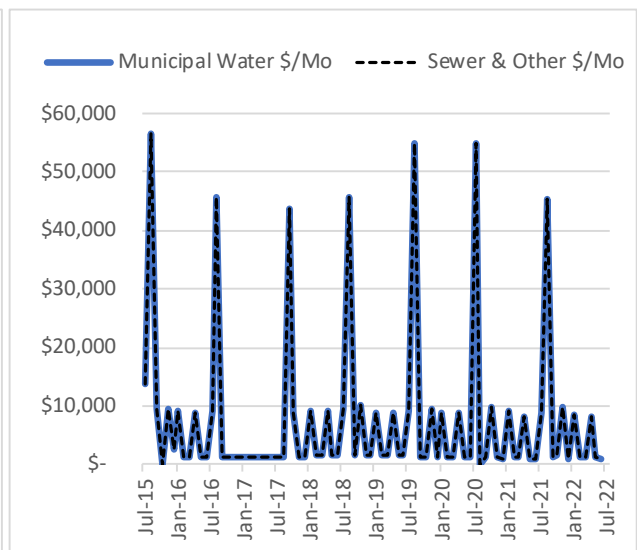
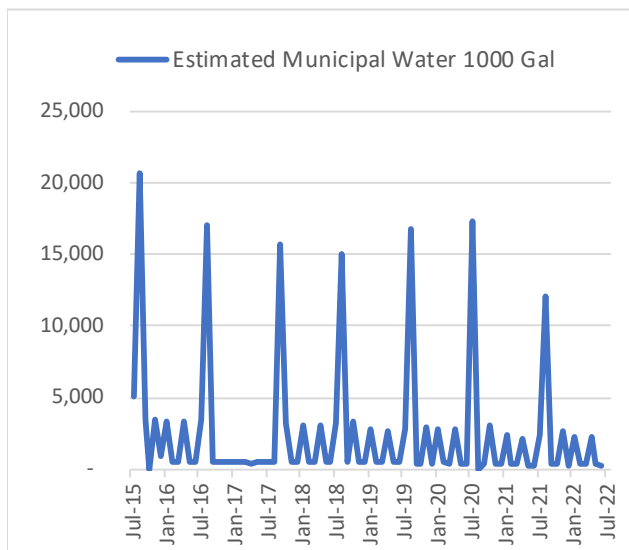
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	0.28		-	1.39	0.39			0.0563
2017	0.26		-	1.45	0.37			0.0493
2018	0.25		-	1.39	0.35			0.0498
2019	0.28		-	1.39	0.39			0.0490
2020	2.00		-	1.39	2.79			0.3683
2021	2.00		-	1.39	2.79			0.3168
2022	0.27		-	1.39	0.38			0.0345



DOC-Jackson Own Well/Lake= No Vendor = Village of Jackson Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	390,613	42,413	-	42,413	108.58		108.58	\$ 0.88
2017	390,613	25,075	-	25,075	64.19		64.19	\$ 0.52
2018	390,613	28,994	-	28,994	74.23		74.23	\$ 0.64
2019	390,613	30,608	-	30,608	78.36		78.36	\$ 0.73
2020	390,613	30,934	-	30,934	79.19		79.19	\$ 0.77
2021	390,613	27,279	-	27,279	69.84		69.84	\$ 0.69
2022	390,613	23,802	-	23,802	60.94		60.94	\$ 0.69

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 115,020	\$ 230,041	50.0%	\$ -	\$ 2.71		\$ 2.71	\$ 8.14
2017	\$ 67,455	\$ 134,911	50.0%	\$ -	\$ 2.69		\$ 2.69	\$ 8.07
2018	\$ 82,702	\$ 165,405	50.0%	\$ -	\$ 2.85		\$ 2.85	\$ 8.56
2019	\$ 94,413	\$ 188,827	50.0%	\$ -	\$ 3.08		\$ 3.08	\$ 9.25
2020	\$ 100,319	\$ 200,637	50.0%	\$ -	\$ 3.24		\$ 3.24	\$ 9.73
2021	\$ 90,055	\$ 180,110	50.0%	\$ -	\$ 3.30		\$ 3.30	\$ 9.90
2022	\$ 89,539	\$ 179,077	50.0%	\$ -	\$ 3.76		\$ 3.76	\$ 11.29

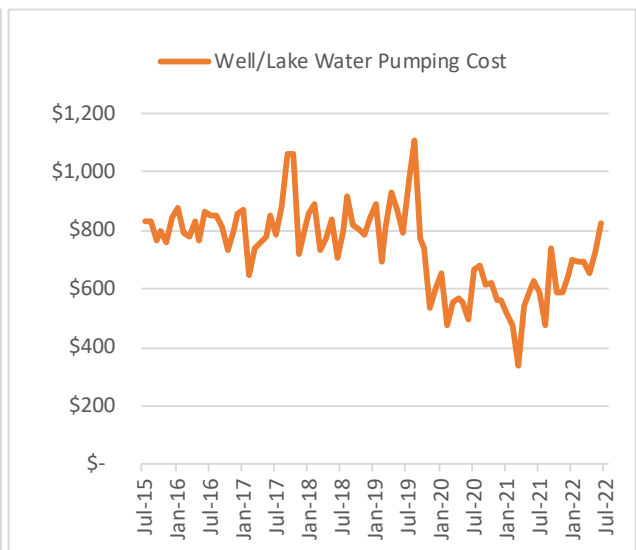
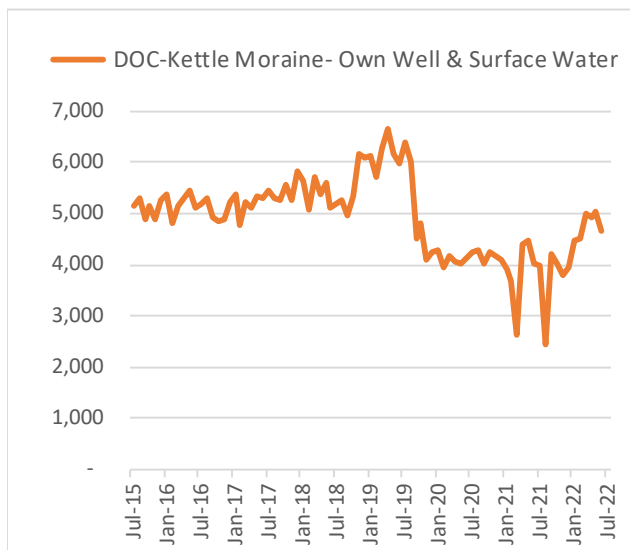
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.46		-	1.39	2.02			0.2192
2017	1.48		-	1.45	2.15			0.1380
2018	1.56		-	1.39	2.18			0.1617
2019	1.56		-	1.39	2.18			0.1707
2020	1.53		-	1.39	2.13			0.1690
2021	1.64		-	1.39	2.29			0.1596
2022	2.09		-	1.39	2.92			0.1779



DOC-Kettle Moraine Own Well/Lake= Yes Vendor = Own Well & Sewer								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	361,612	-	61,749	61,749		170.76	170.76	\$ 0.03
2017	361,612	-	61,416	61,416		169.84	169.84	\$ 0.03
2018	361,612	-	65,163	65,163		180.20	180.20	\$ 0.03
2019	361,612	-	69,900	69,900		193.30	193.30	\$ 0.03
2020	361,612	-	54,706	54,706		151.28	151.28	\$ 0.02
2021	361,612	-	48,144	48,144		133.14	133.14	\$ 0.02
2022	361,612	-	50,980	50,980		140.98	140.98	\$ 0.02

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ -	\$ -		\$ 9,746		\$ 0.16	\$ 0.16	\$ 0.16
2017	\$ -	\$ -		\$ 9,558		\$ 0.16	\$ 0.16	\$ 0.16
2018	\$ -	\$ -		\$ 10,105		\$ 0.16	\$ 0.16	\$ 0.16
2019	\$ -	\$ -		\$ 9,962		\$ 0.14	\$ 0.14	\$ 0.14
2020	\$ -	\$ -		\$ 8,036		\$ 0.15	\$ 0.15	\$ 0.15
2021	\$ -	\$ -		\$ 6,803		\$ 0.14	\$ 0.14	\$ 0.14
2022	\$ -	\$ -		\$ 7,923		\$ 0.16	\$ 0.16	\$ 0.16

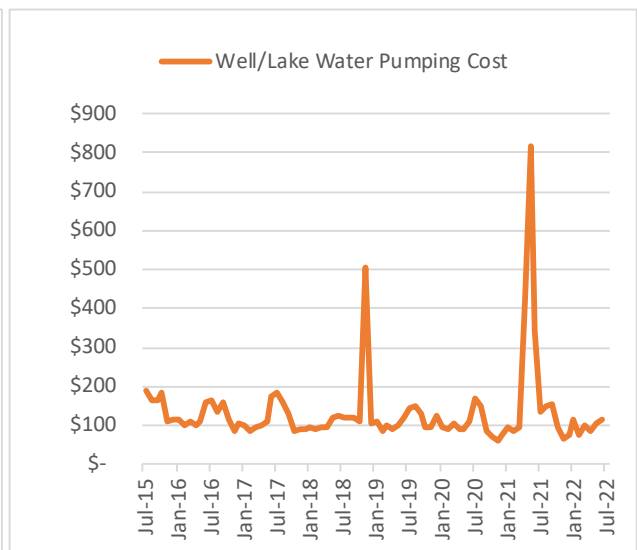
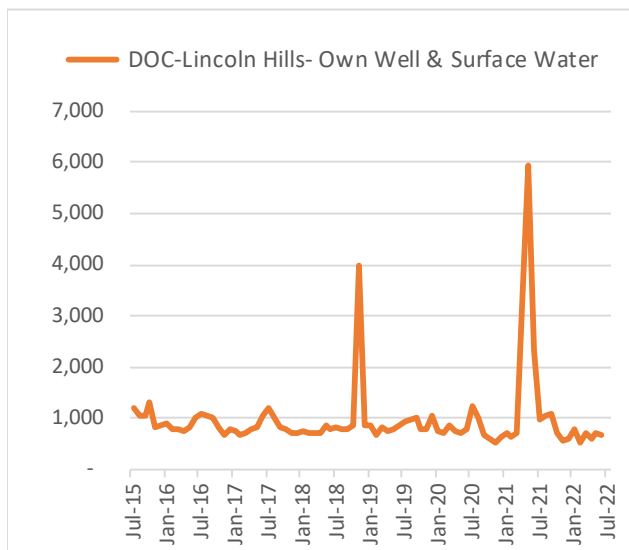
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.00	2.00	123,497	1.39	2.77	0.3415	1,165.60	0.4730
2017	2.00	2.00	122,832	1.45	2.90	0.3397	1,159.32	0.4922
2018	2.00	2.00	130,326	1.39	2.79	0.3604	1,230.05	0.5024
2019	2.00	2.00	139,801	1.39	2.79	0.3866	1,319.48	0.5389
2020	2.00	2.00	109,413	1.39	2.79	0.3026	1,032.67	0.4218
2021	2.00	2.00	96,287	1.39	2.79	0.2663	908.78	0.3712
2022	2.00	2.00	101,960	1.39	2.79	0.2820	962.33	0.3931



DOC-Lincoln Hills		Own Well/Lake= Yes			Vendor = Own Well & Sewer			
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	249,792	-	11,249	11,249		45.03	45.03	\$ 0.01
2017	249,792	-	10,186	10,186		40.78	40.78	\$ 0.01
2018	249,792	-	9,738	9,738		38.99	38.99	\$ 0.01
2019	249,792	-	12,731	12,731		50.96	50.96	\$ 0.01
2020	249,792	-	9,985	9,985		39.97	39.97	\$ 0.01
2021	249,792	-	18,357	18,357		73.49	73.49	\$ 0.01
2022	249,792	-	8,942	8,942		35.80	35.80	\$ 0.01

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ -	\$ -		\$ 1,624		\$ 0.14	\$ 0.14	\$ 0.14
2017	\$ -	\$ -		\$ 1,430		\$ 0.14	\$ 0.14	\$ 0.14
2018	\$ -	\$ -		\$ 1,373		\$ 0.14	\$ 0.14	\$ 0.14
2019	\$ -	\$ -		\$ 1,698		\$ 0.13	\$ 0.13	\$ 0.13
2020	\$ -	\$ -		\$ 1,325		\$ 0.13	\$ 0.13	\$ 0.13
2021	\$ -	\$ -		\$ 2,461		\$ 0.13	\$ 0.13	\$ 0.13
2022	\$ -	\$ -		\$ 1,275		\$ 0.14	\$ 0.14	\$ 0.14

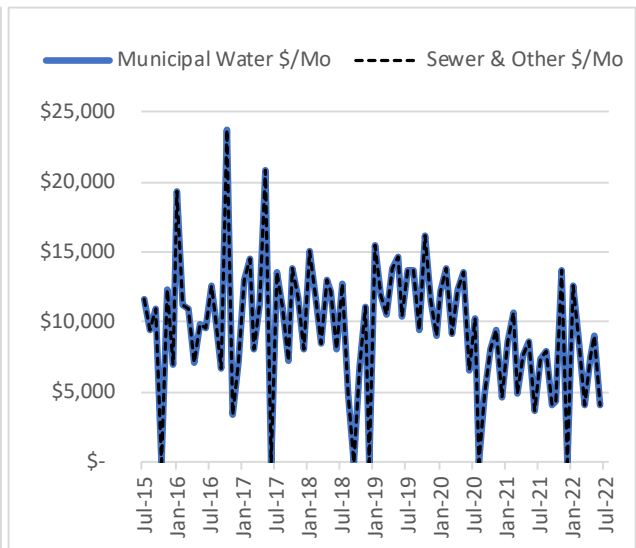
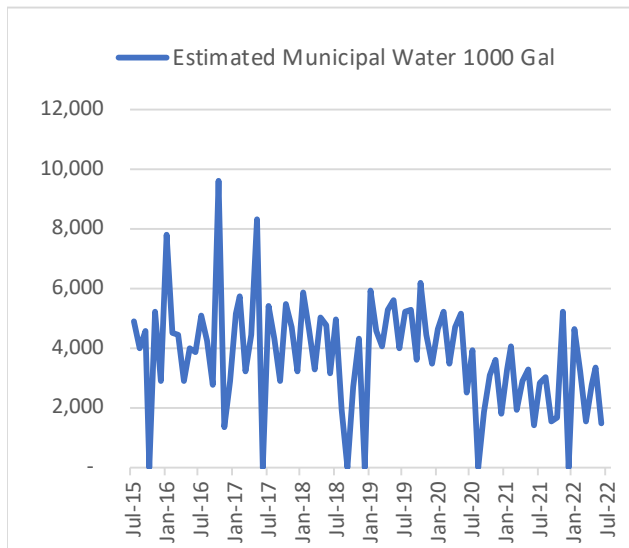
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.00	2.00	22,498	1.39	2.77	0.0901	307.40	0.1247
2017	2.00	2.00	20,372	1.45	2.90	0.0816	278.34	0.1182
2018	2.00	2.00	19,476	1.39	2.79	0.0780	266.11	0.1087
2019	2.00	2.00	25,461	1.39	2.79	0.1019	347.89	0.1421
2020	2.00	2.00	19,969	1.39	2.79	0.0799	272.85	0.1114
2021	2.00	2.00	36,715	1.39	2.79	0.1470	501.65	0.2049
2022	2.00	2.00	17,884	1.39	2.79	0.0716	244.35	0.0998



DOC-Milwaukee Secure Own Well/Lake= No Vendor = Milwaukee Water Works								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	413,011	48,990	-	48,990	118.62		118.62	\$ 0.87
2017	413,011	52,708	-	52,708	127.62		127.62	\$ 0.96
2018	413,011	52,641	-	52,641	127.46		127.46	\$ 0.97
2019	413,011	43,268	-	43,268	104.76		104.76	\$ 0.82
2020	413,011	53,867	-	53,867	130.43		130.43	\$ 1.03
2021	413,011	30,981	-	30,981	75.01		75.01	\$ 0.59
2022	413,011	31,237	-	31,237	75.63		75.63	\$ 0.61

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 119,236	\$ 238,472	50.0%	\$ -	\$ 2.43		\$ 2.43	\$ 7.30
2017	\$ 131,493	\$ 262,986	50.0%	\$ -	\$ 2.49		\$ 2.49	\$ 7.48
2018	\$ 134,138	\$ 268,276	50.0%	\$ -	\$ 2.55		\$ 2.55	\$ 7.64
2019	\$ 112,507	\$ 225,014	50.0%	\$ -	\$ 2.60		\$ 2.60	\$ 7.80
2020	\$ 141,435	\$ 282,870	50.0%	\$ -	\$ 2.63		\$ 2.63	\$ 7.88
2021	\$ 81,650	\$ 163,299	50.0%	\$ -	\$ 2.64		\$ 2.64	\$ 7.91
2022	\$ 83,384	\$ 166,768	50.0%	\$ -	\$ 2.67		\$ 2.67	\$ 8.01

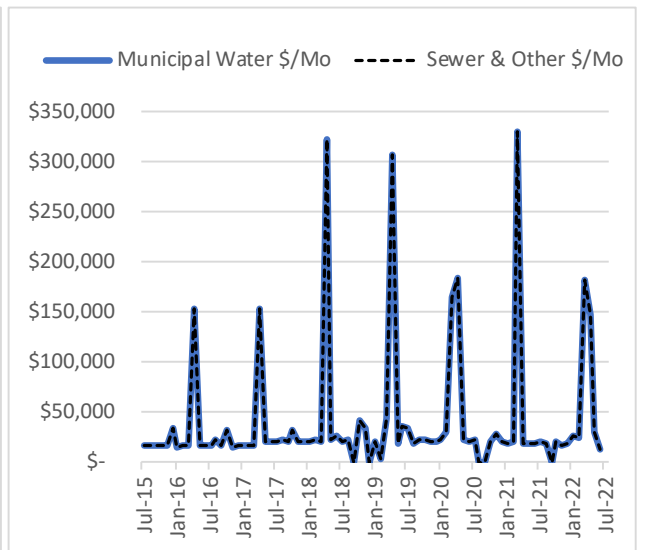
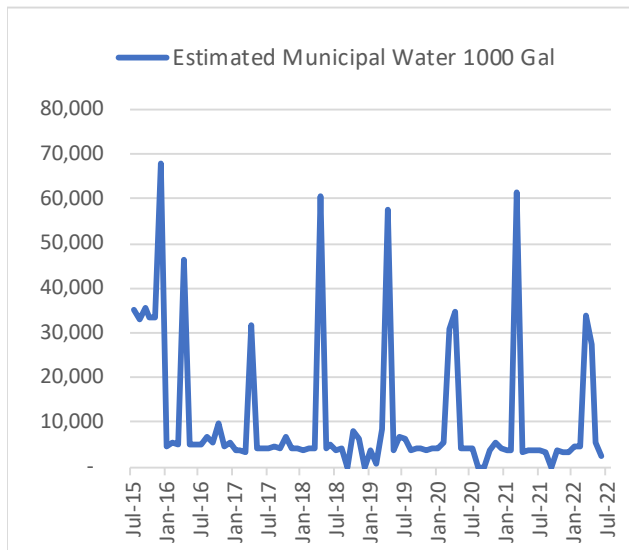
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.78		-	1.39	2.47			0.2924
2017	1.83		-	1.45	2.65			0.3383
2018	1.77		-	1.39	2.46			0.3142
2019	1.73		-	1.39	2.41			0.2524
2020	1.86		-	1.39	2.59			0.3374
2021	1.89		-	1.39	2.63			0.1973
2022	1.88		-	1.39	2.62			0.1980



DOC-New Lisbon Own Well/Lake= No Vendor = City of New Lisbon Electric and Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	316,878	310,060	-	310,060	978.48		978.48	\$ 3.34
2017	316,878	87,714	-	87,714	276.81		276.81	\$ 3.48
2018	316,878	110,191	-	110,191	347.74		347.74	\$ 5.42
2019	316,878	103,426	-	103,426	326.39		326.39	\$ 5.21
2020	316,878	110,156	-	110,156	347.63		347.63	\$ 5.55
2021	316,878	97,326	-	97,326	307.14		307.14	\$ 4.94
2022	316,878	96,968	-	96,968	306.01		306.01	\$ 4.93

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 353,273	\$ 706,546	50.0%	\$ -	\$ 1.14		\$ 1.14	\$ 3.42
2017	\$ 367,990	\$ 735,981	50.0%	\$ -	\$ 4.20		\$ 4.20	\$ 12.59
2018	\$ 572,029	\$ 1,144,057	50.0%	\$ -	\$ 5.19		\$ 5.19	\$ 15.57
2019	\$ 549,957	\$ 1,099,915	50.0%	\$ -	\$ 5.32		\$ 5.32	\$ 15.95
2020	\$ 586,695	\$ 1,173,390	50.0%	\$ -	\$ 5.33		\$ 5.33	\$ 15.98
2021	\$ 521,437	\$ 1,042,874	50.0%	\$ -	\$ 5.36		\$ 5.36	\$ 16.07
2022	\$ 520,571	\$ 1,041,142	50.0%	\$ -	\$ 5.37		\$ 5.37	\$ 16.11

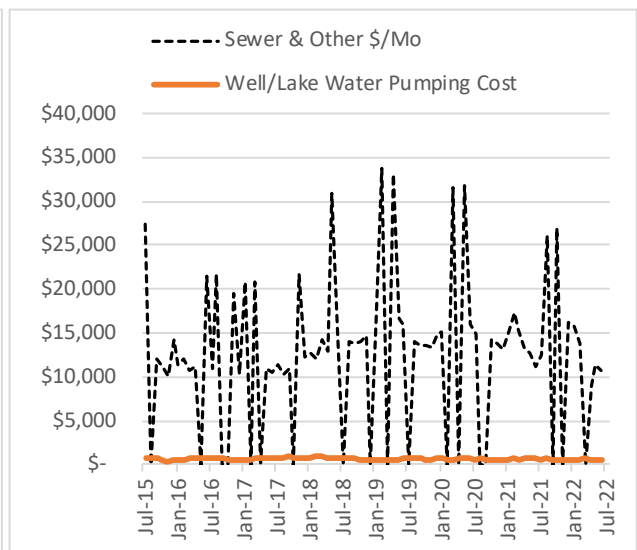
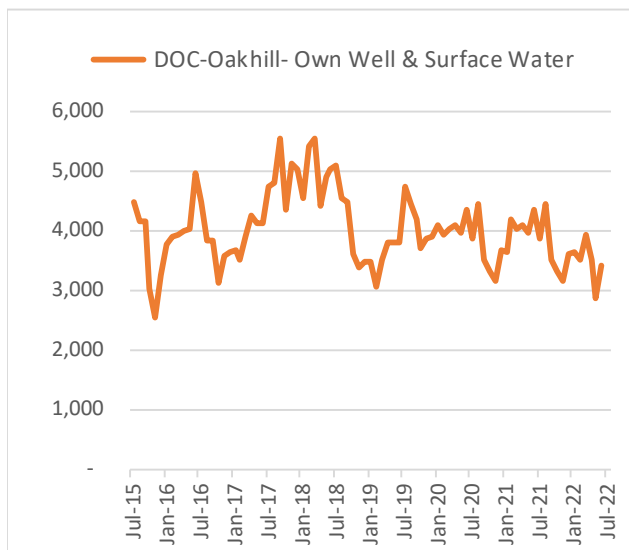
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.50		-	1.39	2.08			2.0334
2017	1.65		-	1.45	2.40			0.6632
2018	1.72		-	1.39	2.40			0.8358
2019	1.65		-	1.39	2.30			0.7496
2020	1.73		-	1.39	2.41			0.8361
2021	1.56		-	1.39	2.17			0.6659
2022	1.57		-	1.39	2.19			0.6699



DOC-Oakhill Own Well/Lake= Yes Vendor = Oregon Municipal Water And Sewer Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	348,153	-	46,201	46,201		132.70	132.70	\$ 0.43
2017	348,153	-	46,039	46,039		132.24	132.24	\$ 0.38
2018	348,153	-	59,396	59,396		170.60	170.60	\$ 0.50
2019	348,153	-	46,012	46,012		132.16	132.16	\$ 0.52
2020	348,153	-	49,264	49,264		141.50	141.50	\$ 0.49
2021	348,153	-	46,193	46,193		132.68	132.68	\$ 0.43
2022	348,153	-	42,770	42,770		122.85	122.85	\$ 0.43

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ -	\$ 141,539	0.0%	\$ 7,468		\$ 0.16	\$ 0.16	\$ 3.23
2017	\$ -	\$ 125,821	0.0%	\$ 7,693		\$ 0.17	\$ 0.17	\$ 2.90
2018	\$ -	\$ 164,308	0.0%	\$ 9,722		\$ 0.16	\$ 0.16	\$ 2.93
2019	\$ -	\$ 172,358	0.0%	\$ 7,566		\$ 0.16	\$ 0.16	\$ 3.91
2020	\$ -	\$ 164,081	0.0%	\$ 7,902		\$ 0.16	\$ 0.16	\$ 3.49
2021	\$ -	\$ 141,223	0.0%	\$ 7,359		\$ 0.16	\$ 0.16	\$ 3.22
2022	\$ -	\$ 142,431	0.0%	\$ 6,986		\$ 0.16	\$ 0.16	\$ 3.49

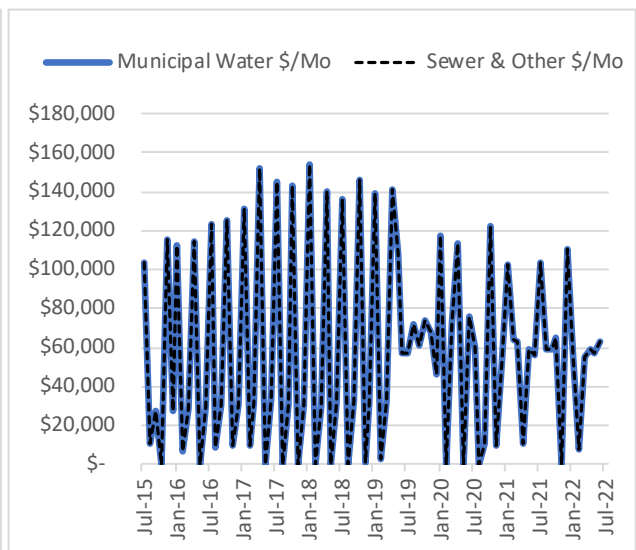
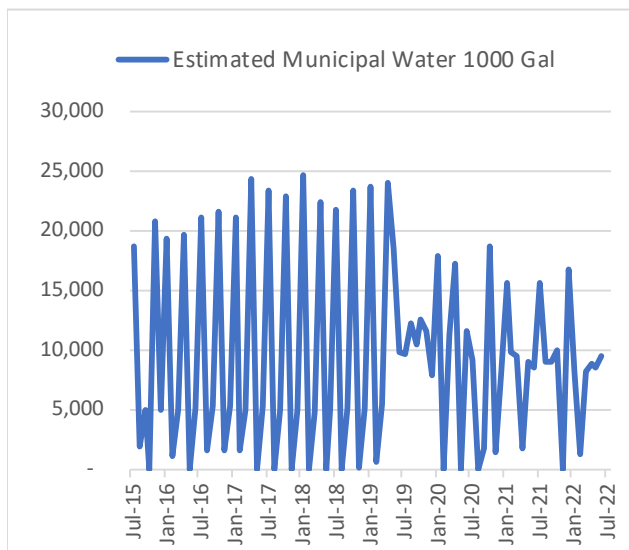
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.80	2.00	92,402	1.39	2.77	0.2654	905.83	0.3676
2017	2.45	2.00	92,078	1.45	2.90	0.2645	902.65	0.3832
2018	1.81	2.00	118,791	1.39	2.79	0.3412	1,164.53	0.4756
2019	2.04	2.00	92,024	1.39	2.79	0.2643	902.12	0.3685
2020	1.87	2.00	98,528	1.39	2.79	0.2830	965.89	0.3945
2021	1.85	2.00	92,386	1.39	2.79	0.2654	905.68	0.3699
2022	1.81	2.00	85,539	1.39	2.79	0.2457	838.55	0.3425



DOC-Oshkosh Own Well/Lake= No Vendor = City of Oshkosh Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	890,187	101,273	-	101,273	113.77		113.77	\$ 1.94
2017	890,187	113,492	-	113,492	127.49		127.49	\$ 2.31
2018	890,187	112,908	-	112,908	126.84		126.84	\$ 2.38
2019	890,187	137,364	-	137,364	154.31		154.31	\$ 2.79
2020	890,187	122,281	-	122,281	137.37		137.37	\$ 2.55
2021	890,187	93,115	-	93,115	104.60		104.60	\$ 2.06
2022	890,187	104,825	-	104,825	117.76		117.76	\$ 2.34

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 576,756	\$ 1,153,512	50.0%	\$ -	\$ 5.70		\$ 5.70	\$ 17.09
2017	\$ 684,139	\$ 1,368,278	50.0%	\$ -	\$ 6.03		\$ 6.03	\$ 18.08
2018	\$ 704,910	\$ 1,409,820	50.0%	\$ -	\$ 6.24		\$ 6.24	\$ 18.73
2019	\$ 828,865	\$ 1,657,730	50.0%	\$ -	\$ 6.03		\$ 6.03	\$ 18.10
2020	\$ 757,281	\$ 1,514,562	50.0%	\$ -	\$ 6.19		\$ 6.19	\$ 18.58
2021	\$ 610,965	\$ 1,221,929	50.0%	\$ -	\$ 6.56		\$ 6.56	\$ 19.68
2022	\$ 694,579	\$ 1,389,157	50.0%	\$ -	\$ 6.63		\$ 6.63	\$ 19.88

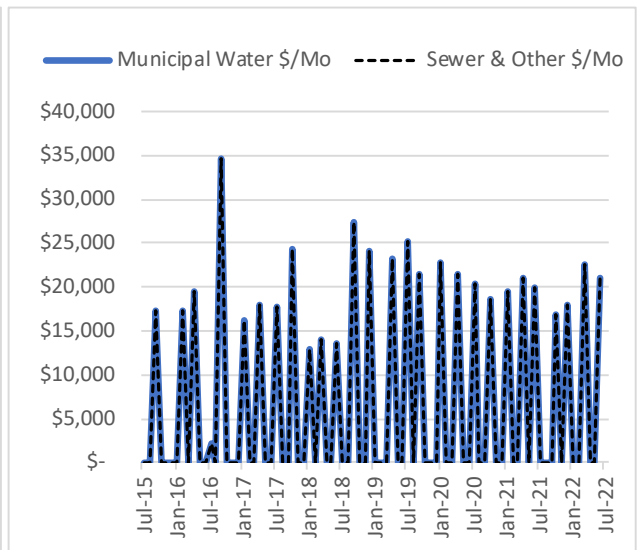
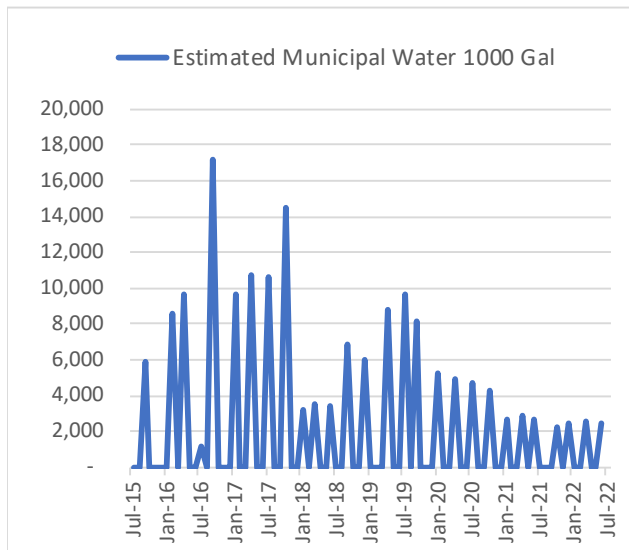
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.92		-	1.39	2.67			0.3033
2017	1.81		-	1.45	2.63			0.3352
2018	1.83		-	1.39	2.56			0.3243
2019	1.74		-	1.39	2.42			0.3738
2020	1.80		-	1.39	2.51			0.3448
2021	1.74		-	1.39	2.42			0.2536
2022	1.71		-	1.39	2.39			0.2809



DOC-Prairie du Chien Own Well/Lake= No Vendor = Bridgeport Sanitary Dist								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	383,100	24,135	-	24,135	63.00		63.00	\$ 0.42
2017	383,100	38,759	-	38,759	101.17		101.17	\$ 0.56
2018	383,100	35,233	-	35,233	91.97		91.97	\$ 0.65
2019	383,100	21,669	-	21,669	56.56		56.56	\$ 0.58
2020	383,100	27,976	-	27,976	73.03		73.03	\$ 0.71
2021	383,100	17,180	-	17,180	44.84		44.84	\$ 0.78
2022	383,100	9,731	-	9,731	25.40		25.40	\$ 0.61

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 54,176	\$ 108,351	50.0%	\$ -	\$ 2.24		\$ 2.24	\$ 6.73
2017	\$ 71,204	\$ 142,409	50.0%	\$ -	\$ 1.84		\$ 1.84	\$ 5.51
2018	\$ 82,590	\$ 165,181	50.0%	\$ -	\$ 2.34		\$ 2.34	\$ 7.03
2019	\$ 74,624	\$ 149,248	50.0%	\$ -	\$ 3.44		\$ 3.44	\$ 10.33
2020	\$ 90,975	\$ 181,950	50.0%	\$ -	\$ 3.25		\$ 3.25	\$ 9.76
2021	\$ 99,614	\$ 199,227	50.0%	\$ -	\$ 5.80		\$ 5.80	\$ 17.39
2022	\$ 78,372	\$ 156,745	50.0%	\$ -	\$ 8.05		\$ 8.05	\$ 24.16

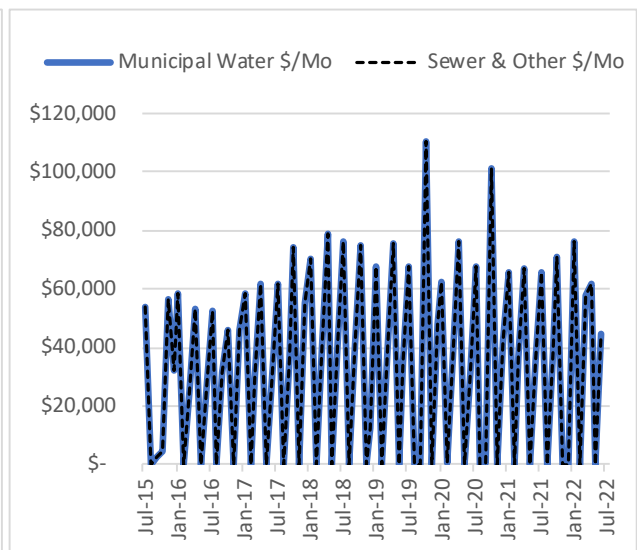
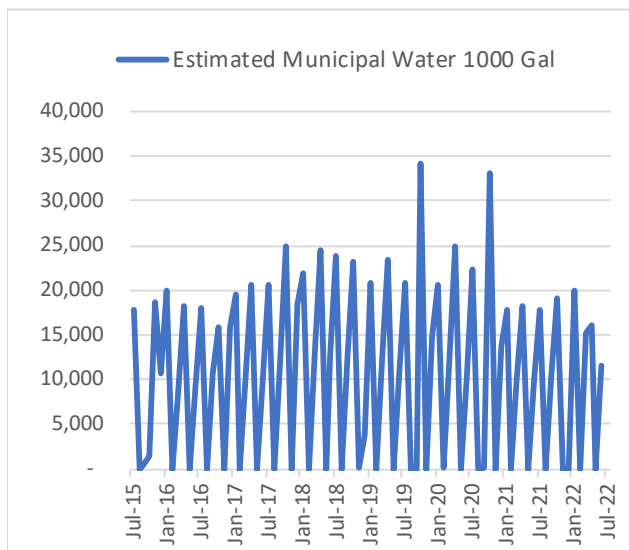
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.00		-	1.39	2.77			0.1745
2017	2.00		-	1.45	2.90			0.2932
2018	2.00		-	1.39	2.79			0.2564
2019	2.00		-	1.39	2.79			0.1577
2020	2.00		-	1.39	2.79			0.2036
2021	2.00		-	1.39	2.79			0.1250
2022	2.00		-	1.39	2.79			0.0708



DOC-Racine-Sturtevant Own Well/Lake= No Vendor = Racine Water Works Commission								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	710,055	105,651	-	105,651	148.79		148.79	\$ 1.32
2017	710,055	120,858	-	120,858	170.21		170.21	\$ 1.51
2018	710,055	147,706	-	147,706	208.02		208.02	\$ 1.94
2019	710,055	130,415	-	130,415	183.67		183.67	\$ 1.78
2020	710,055	137,728	-	137,728	193.97		193.97	\$ 1.83
2021	710,055	124,925	-	124,925	175.94		175.94	\$ 1.76
2022	710,055	110,385	-	110,385	155.46		155.46	\$ 1.76

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 313,313	\$ 626,626	50.0%	\$ -	\$ 2.97		\$ 2.97	\$ 8.90
2017	\$ 357,484	\$ 714,968	50.0%	\$ -	\$ 2.96		\$ 2.96	\$ 8.87
2018	\$ 459,295	\$ 918,589	50.0%	\$ -	\$ 3.11		\$ 3.11	\$ 9.33
2019	\$ 421,643	\$ 843,286	50.0%	\$ -	\$ 3.23		\$ 3.23	\$ 9.70
2020	\$ 433,790	\$ 867,581	50.0%	\$ -	\$ 3.15		\$ 3.15	\$ 9.45
2021	\$ 417,248	\$ 834,495	50.0%	\$ -	\$ 3.34		\$ 3.34	\$ 10.02
2022	\$ 416,326	\$ 832,651	50.0%	\$ -	\$ 3.77		\$ 3.77	\$ 11.31

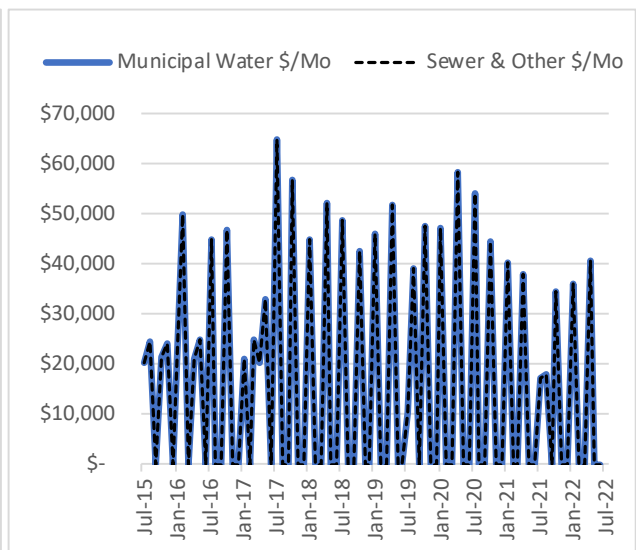
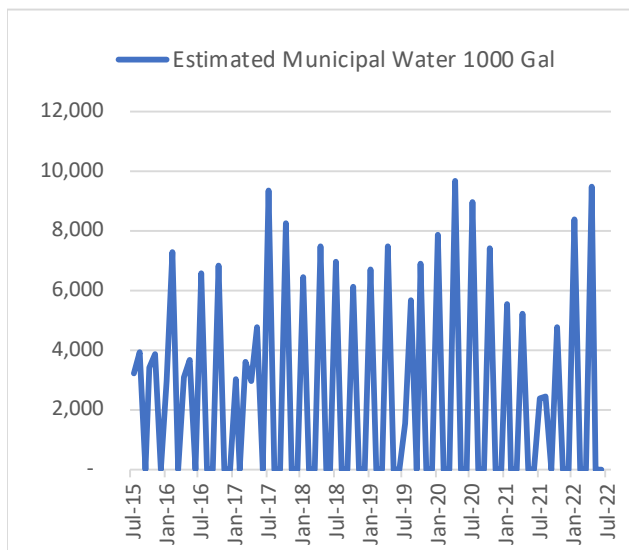
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.58		-	1.39	2.19			0.3254
2017	1.59		-	1.45	2.30			0.3911
2018	1.57		-	1.39	2.19			0.4551
2019	1.64		-	1.39	2.29			0.4209
2020	1.64		-	1.39	2.29			0.4445
2021	1.68		-	1.39	2.34			0.4123
2022	1.67		-	1.39	2.32			0.3613



DOC-Taycheedah Own Well/Lake= No Vendor = Fond Du Lac Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	380,940	31,342	-	31,342	82.27		82.27	\$ 1.62
2017	380,940	27,796	-	27,796	72.97		72.97	\$ 1.51
2018	380,940	31,462	-	31,462	82.59		82.59	\$ 1.72
2019	380,940	27,244	-	27,244	71.52		71.52	\$ 1.49
2020	380,940	31,582	-	31,582	82.90		82.90	\$ 1.60
2021	380,940	27,054	-	27,054	71.02		71.02	\$ 1.39
2022	380,940	27,387	-	27,387	71.89		71.89	\$ 1.15

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 206,138	\$ 412,276	50.0%	\$ -	\$ 6.58		\$ 6.58	\$ 19.73
2017	\$ 191,314	\$ 382,628	50.0%	\$ -	\$ 6.88		\$ 6.88	\$ 20.65
2018	\$ 218,673	\$ 437,346	50.0%	\$ -	\$ 6.95		\$ 6.95	\$ 20.85
2019	\$ 189,199	\$ 378,397	50.0%	\$ -	\$ 6.94		\$ 6.94	\$ 20.83
2020	\$ 202,743	\$ 405,486	50.0%	\$ -	\$ 6.42		\$ 6.42	\$ 19.26
2021	\$ 176,585	\$ 353,169	50.0%	\$ -	\$ 6.53		\$ 6.53	\$ 19.58
2022	\$ 146,654	\$ 293,308	50.0%	\$ -	\$ 5.35		\$ 5.35	\$ 16.06

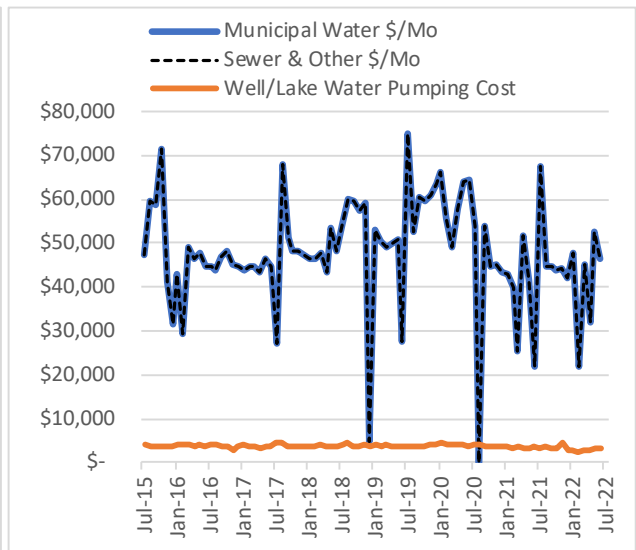
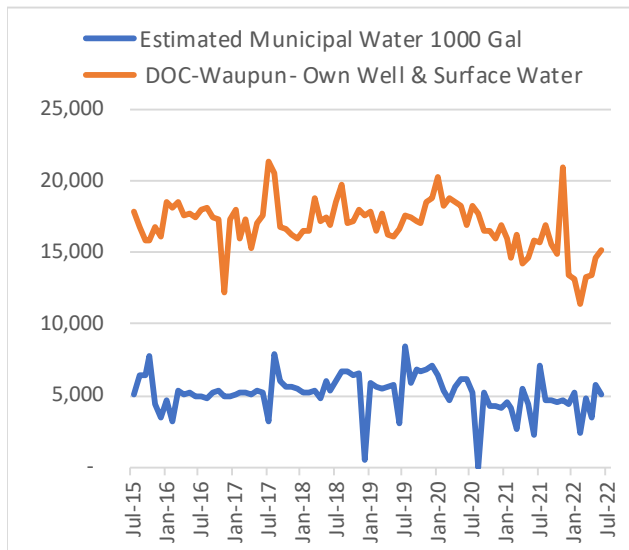
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.96		-	1.39	4.09			0.3368
2017	3.75		-	1.45	5.44			0.3966
2018	4.41		-	1.39	6.14			0.5073
2019	3.67		-	1.39	5.11			0.3658
2020	3.81		-	1.39	5.31			0.4399
2021	3.80		-	1.39	5.30			0.3764
2022	3.88		-	1.39	5.41			0.3887



DOC-Waupun								
Own Well/Lake= Yes			Vendor = Waupun Public Utilities					
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	1,260,274	62,117	207,223	269,340	49.29	164.43	213.72	\$ 1.39
2017	1,260,274	61,226	201,714	262,940	48.58	160.06	208.64	\$ 1.32
2018	1,260,274	65,573	210,793	276,366	52.03	167.26	219.29	\$ 1.41
2019	1,260,274	64,277	208,881	273,159	51.00	165.74	216.75	\$ 1.41
2020	1,260,274	75,902	217,594	293,495	60.23	172.66	232.88	\$ 1.77
2021	1,260,274	46,548	193,768	240,316	36.93	153.75	190.69	\$ 1.14
2022	1,260,274	56,564	178,599	235,163	44.88	141.71	186.60	\$ 1.30

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 569,496	\$ 1,138,991	50.0%	\$ 45,589	\$ 9.17	\$ 0.22	\$ 9.39	\$ 6.51
2017	\$ 540,413	\$ 1,080,827	50.0%	\$ 44,377	\$ 8.83	\$ 0.22	\$ 9.05	\$ 6.33
2018	\$ 576,149	\$ 1,152,297	50.0%	\$ 46,374	\$ 8.79	\$ 0.22	\$ 9.01	\$ 6.42
2019	\$ 576,911	\$ 1,153,823	50.0%	\$ 45,954	\$ 8.98	\$ 0.22	\$ 9.20	\$ 6.50
2020	\$ 729,617	\$ 1,459,235	50.0%	\$ 47,871	\$ 9.61	\$ 0.22	\$ 9.83	\$ 7.62
2021	\$ 465,526	\$ 931,053	50.0%	\$ 42,629	\$ 10.00	\$ 0.22	\$ 10.22	\$ 5.99
2022	\$ 533,201	\$ 1,066,402	50.0%	\$ 39,292	\$ 9.43	\$ 0.22	\$ 9.65	\$ 6.97

Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	5.25	2.00	414,447	1.39	3.81	0.3289	1,122.38	0.8140
2017	5.46	2.00	403,428	1.45	4.06	0.3201	1,092.54	0.8480
2018	5.44	2.00	421,586	1.39	3.93	0.3345	1,141.71	0.8609
2019	5.35	2.00	417,763	1.39	3.89	0.3315	1,131.36	0.8426
2020	5.58	2.00	435,187	1.39	4.08	0.3453	1,178.55	0.9498
2021	5.61	2.00	387,535	1.39	3.76	0.3075	1,049.50	0.7176
2022	5.65	2.00	357,198	1.39	4.01	0.2834	967.34	0.7485



Department of Health Services



WISCONSIN DEPARTMENT
of HEALTH SERVICES

SCOPE

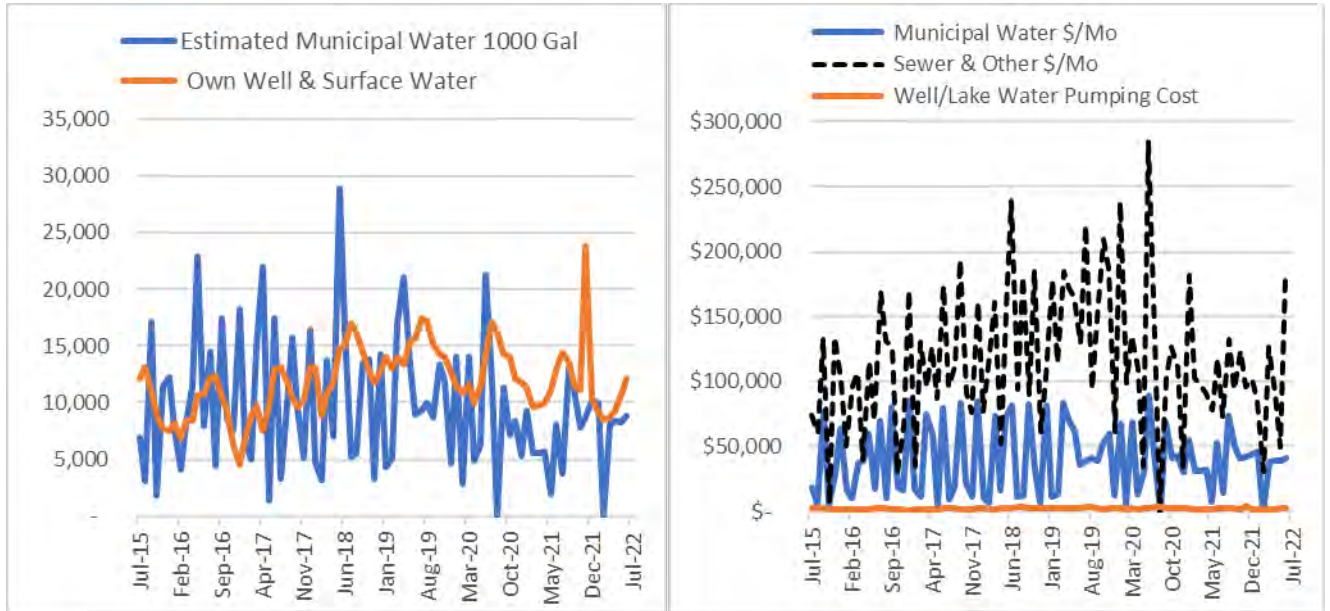
Includes five facilities:

1. Mendota Complex - Mendota Mental Health Institute and Center Wisconsin Center;
2. Northern Center and Chippewa Valley CTF (DOC);
3. Sand Ridge Center;
4. Southern Center - Southern Oaks Girls School (DOC), Ellsworth Correctional Center (DOC), and facilities now operated by Department of Veterans Affairs; and
5. Winnebago Complex - Winnebago Mental Health Institute and Wisconsin Resources Center.

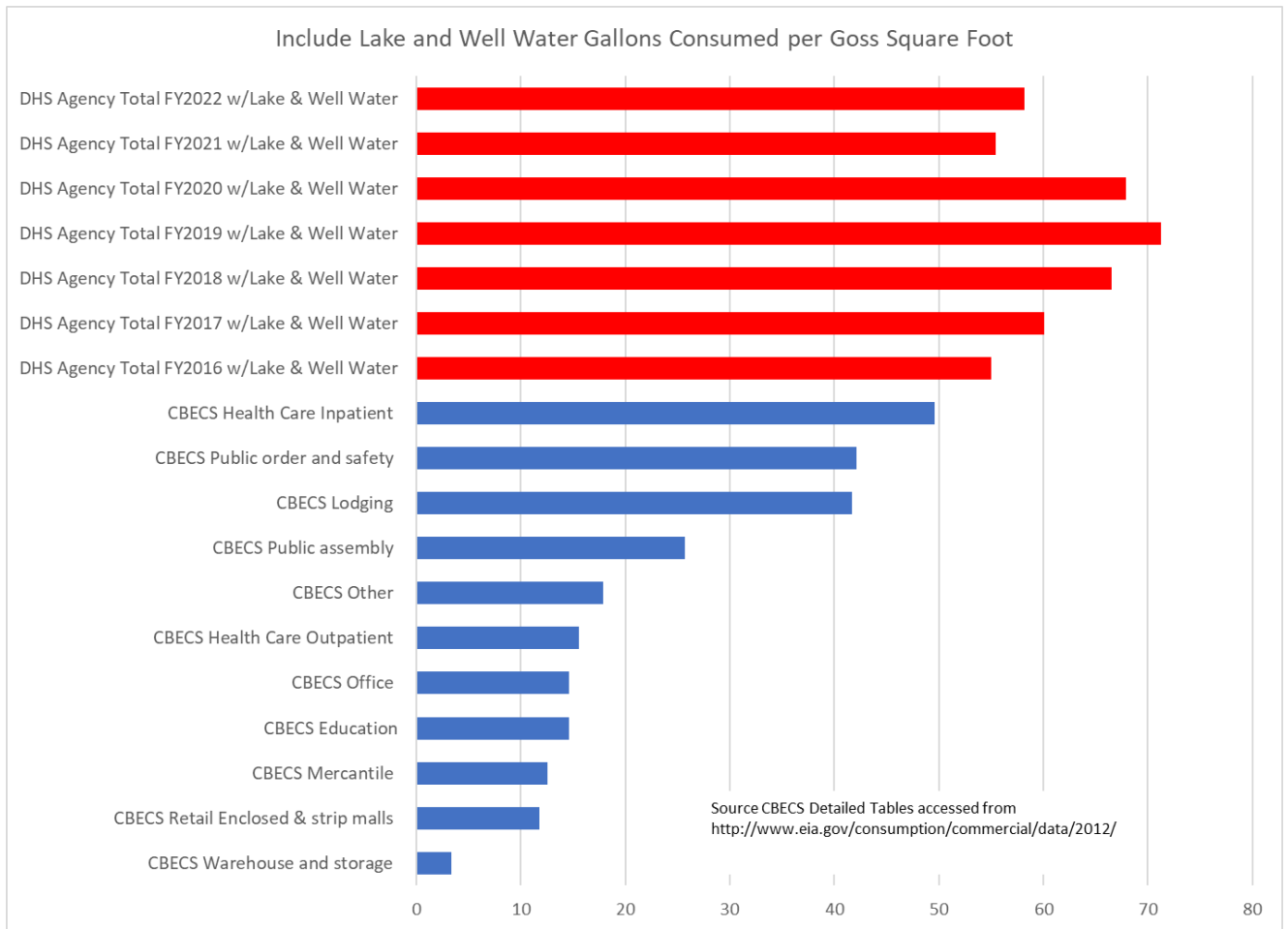
DHS Agency Total		Own Well/Lake= Yes			Include Lake and Well Water			
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	4,159,400	115,101	113,867	228,968	27.67	27.38	55.05	\$ 0.42
2017	4,159,400	138,612	111,258	249,870	33.33	26.75	60.07	\$ 0.58
2018	4,159,400	133,212	143,381	276,593	32.03	34.47	66.50	\$ 0.61
2019	4,159,400	125,479	170,925	296,405	30.17	41.09	71.26	\$ 0.65
2020	4,159,400	121,694	160,618	282,311	29.26	38.62	67.87	\$ 0.69
2021	4,159,400	80,210	150,395	230,605	19.28	36.16	55.44	\$ 0.50
2022	4,159,400	98,433	143,714	242,147	23.67	34.55	58.22	\$ 0.52

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 378,687	\$ 1,365,946	27.7%	\$ 20,830	\$ 3.29	\$ 0.18	\$ 3.47	\$ 7.71
2017	\$ 526,914	\$ 1,868,534	28.2%	\$ 19,569	\$ 3.80	\$ 0.18	\$ 3.98	\$ 9.67
2018	\$ 492,182	\$ 2,029,818	24.2%	\$ 25,991	\$ 3.69	\$ 0.18	\$ 3.88	\$ 9.21
2019	\$ 502,549	\$ 2,163,111	23.2%	\$ 30,875	\$ 4.01	\$ 0.18	\$ 4.19	\$ 9.10
2020	\$ 517,863	\$ 2,340,661	22.1%	\$ 28,525	\$ 4.26	\$ 0.18	\$ 4.43	\$ 10.23
2021	\$ 438,351	\$ 1,616,404	27.1%	\$ 28,868	\$ 5.47	\$ 0.19	\$ 5.66	\$ 9.04
2022	\$ 469,424	\$ 1,656,116	28.3%	\$ 28,878	\$ 4.77	\$ 0.20	\$ 4.97	\$ 8.90

Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.62	2.00	227,733	1.39	2.50	0.0548	186.87	0.1379
2017	1.69	2.00	222,515	1.45	2.65	0.0535	182.58	0.1590
2018	1.69	2.00	286,761	1.45	2.68	0.0689	235.30	0.1785
2019	1.70	2.00	341,851	1.45	2.71	0.0822	280.51	0.1933
2020	1.69	2.00	321,235	1.45	2.70	0.0772	263.59	0.1834
2021	1.68	2.00	300,791	1.45	2.74	0.0723	246.81	0.1519
2022	1.71	2.00	287,428	1.45	2.72	0.0691	235.85	0.1586



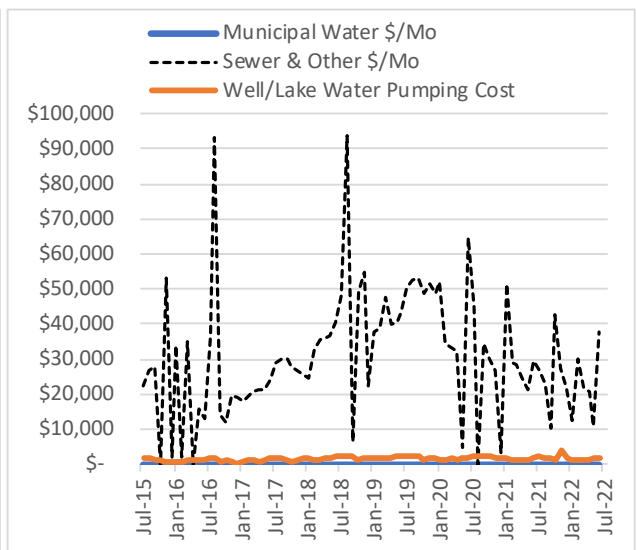
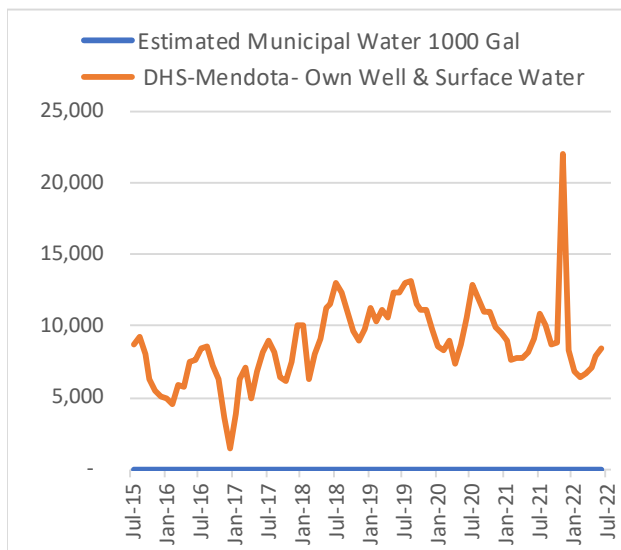
DHS ground water wells include Mendota 35 million gallons per year and Southern Center 32 million gallons per year.



DHS-Mendota Own Well/Lake= Yes Vendor = Own Well								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	1,320,211	-	79,095	79,095		59.91	59.91	\$ 0.19
2017	1,320,211	-	72,896	72,896		55.22	55.22	\$ 0.25
2018	1,320,211	-	103,536	103,536		78.42	78.42	\$ 0.30
2019	1,320,211	-	132,680	132,680		100.50	100.50	\$ 0.42
2020	1,320,211	-	122,333	122,333		92.66	92.66	\$ 0.42
2021	1,320,211	-	115,657	115,657		87.61	87.61	\$ 0.26
2022	1,320,211	-	112,257	112,257		85.03	85.03	\$ 0.23

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ -	\$ 233,293	0.0%	\$ 14,578		\$ 0.18	\$ 0.18	\$ 3.13
2017	\$ -	\$ 320,179	0.0%	\$ 12,830		\$ 0.18	\$ 0.18	\$ 4.57
2018	\$ -	\$ 375,691	0.0%	\$ 19,035		\$ 0.18	\$ 0.18	\$ 3.81
2019	\$ -	\$ 523,759	0.0%	\$ 24,186		\$ 0.18	\$ 0.18	\$ 4.13
2020	\$ -	\$ 527,462	0.0%	\$ 21,767		\$ 0.18	\$ 0.18	\$ 4.49
2021	\$ -	\$ 322,834	0.0%	\$ 22,504		\$ 0.19	\$ 0.19	\$ 2.99
2022	\$ -	\$ 286,684	0.0%	\$ 22,812		\$ 0.20	\$ 0.20	\$ 2.76

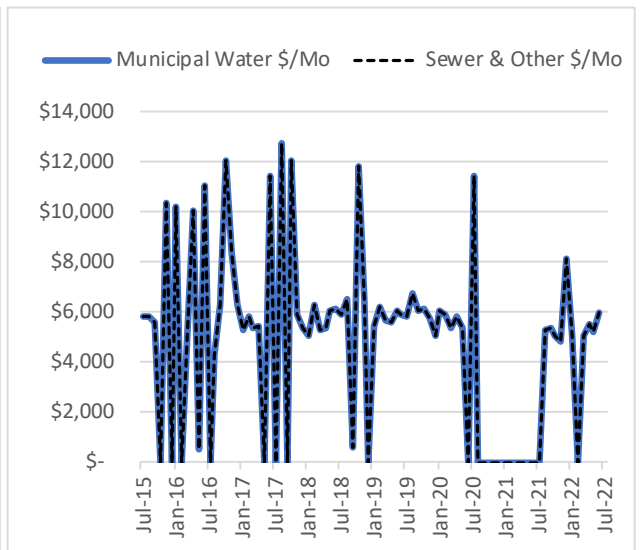
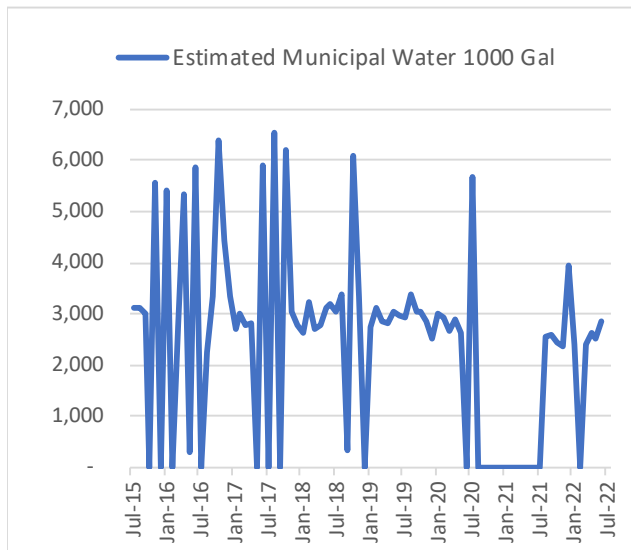
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.00	2.00	158,189	1.39	2.77	0.1198	408.95	0.1660
2017	2.00	2.00	145,791	1.45	2.90	0.1104	376.90	0.1600
2018	2.00	2.00	207,071	1.39	2.79	0.1568	535.32	0.2186
2019	2.00	2.00	265,361	1.39	2.79	0.2010	686.01	0.2802
2020	2.00	2.00	244,665	1.39	2.79	0.1853	632.51	0.2583
2021	2.00	2.00	231,315	1.39	2.79	0.1752	597.99	0.2442
2022	2.00	2.00	224,514	1.39	2.79	0.1701	580.41	0.2371



DHS-Northern Center Own Well/Lake= No Vendor = Chippewa Falls Department of Public Utilities								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	523,226	34,460	-	34,460	65.86		65.86	\$ 0.37
2017	523,226	36,905	-	36,905	70.53		70.53	\$ 0.40
2018	523,226	36,184	-	36,184	69.16		69.16	\$ 0.40
2019	523,226	33,662	-	33,662	64.34		64.34	\$ 0.38
2020	523,226	31,893	-	31,893	60.95		60.95	\$ 0.37
2021	523,226	5,668	-	5,668	10.83		10.83	\$ 0.07
2022	523,226	26,687	-	26,687	51.00		51.00	\$ 0.32

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 64,737	\$ 129,474	50.0%	\$ -	\$ 1.88		\$ 1.88	\$ 5.64
2017	\$ 70,613	\$ 141,225	50.0%	\$ -	\$ 1.91		\$ 1.91	\$ 5.74
2018	\$ 70,299	\$ 140,597	50.0%	\$ -	\$ 1.94		\$ 1.94	\$ 5.83
2019	\$ 66,302	\$ 132,605	50.0%	\$ -	\$ 1.97		\$ 1.97	\$ 5.91
2020	\$ 64,018	\$ 128,037	50.0%	\$ -	\$ 2.01		\$ 2.01	\$ 6.02
2021	\$ 11,454	\$ 22,909	50.0%	\$ -	\$ 2.02		\$ 2.02	\$ 6.06
2022	\$ 55,444	\$ 110,888	50.0%	\$ -	\$ 2.08		\$ 2.08	\$ 6.23

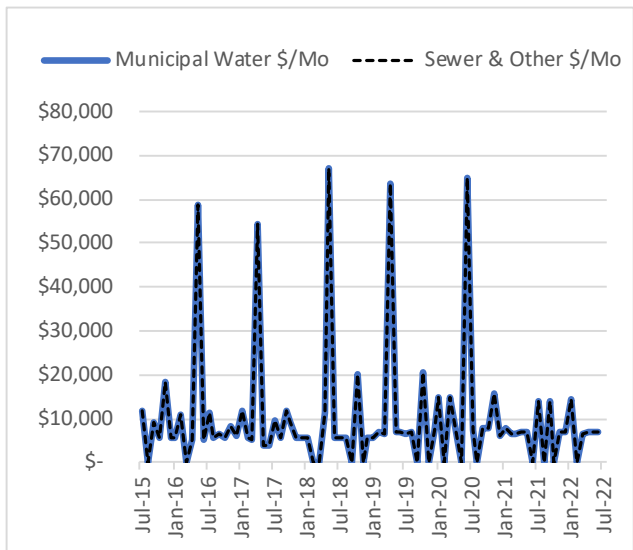
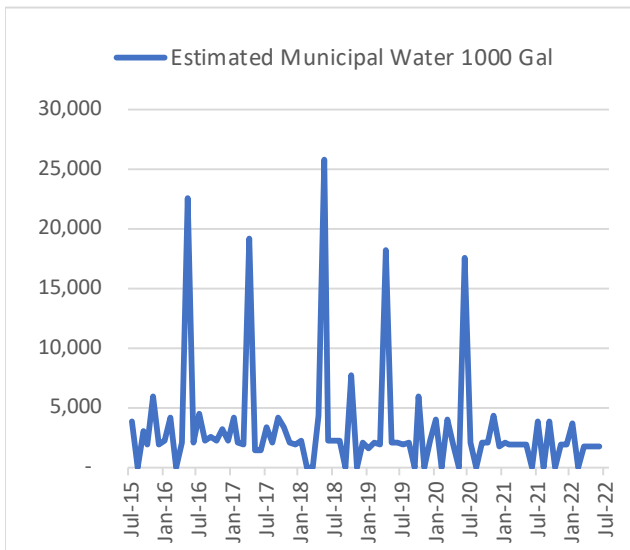
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.70		-	1.39	2.35			0.1547
2017	1.77		-	1.45	2.57			0.1814
2018	1.80		-	1.39	2.52			0.1740
2019	1.85		-	1.39	2.58			0.1661
2020	1.90		-	1.39	2.65			0.1613
2021	1.84		-	1.39	2.56			0.0278
2022	1.91		-	1.39	2.66			0.1356



DHS-Sand Ridge		Own Well/Lake= No		Vendor = City of Mauston Municipal Water Utility				
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	308,828	49,312	-	49,312	159.67		159.67	\$ 1.33
2017	308,828	46,874	-	46,874	151.78		151.78	\$ 1.25
2018	308,828	51,466	-	51,466	166.65		166.65	\$ 1.34
2019	308,828	41,896	-	41,896	135.66		135.66	\$ 1.29
2020	308,828	39,646	-	39,646	128.38		128.38	\$ 1.40
2021	308,828	21,778	-	21,778	70.52		70.52	\$ 0.79
2022	308,828	21,946	-	21,946	71.06		71.06	\$ 0.82

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 136,963	\$ 273,926	50.0%	\$ -	\$ 2.78		\$ 2.78	\$ 8.33
2017	\$ 128,688	\$ 257,376	50.0%	\$ -	\$ 2.75		\$ 2.75	\$ 8.24
2018	\$ 137,444	\$ 274,889	50.0%	\$ -	\$ 2.67		\$ 2.67	\$ 8.01
2019	\$ 133,111	\$ 266,221	50.0%	\$ -	\$ 3.18		\$ 3.18	\$ 9.53
2020	\$ 144,401	\$ 288,803	50.0%	\$ -	\$ 3.64		\$ 3.64	\$ 10.93
2021	\$ 80,887	\$ 161,773	50.0%	\$ -	\$ 3.71		\$ 3.71	\$ 11.14
2022	\$ 84,086	\$ 168,172	50.0%	\$ -	\$ 3.83		\$ 3.83	\$ 11.49

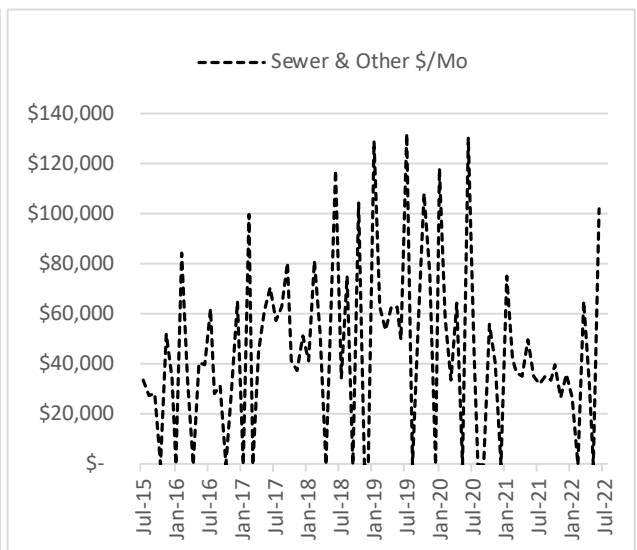
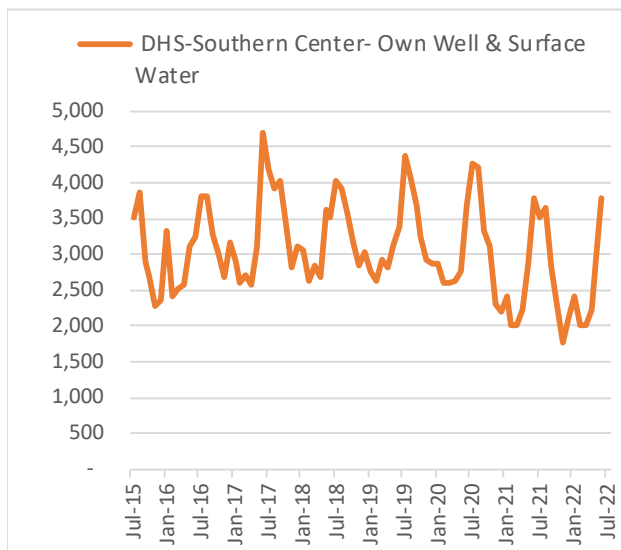
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.42		-	1.39	1.97			0.3151
2017	1.42		-	1.45	2.06			0.3130
2018	1.55		-	1.39	2.17			0.3610
2019	1.46		-	1.39	2.03			0.2752
2020	1.42		-	1.39	1.98			0.2548
2021	1.42		-	1.39	1.98			0.1397
2022	1.49		-	1.39	2.07			0.1472



DHS-Southern Center Own Well/Lake= Yes Vendor = Union Grove Municipal Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	1,023,235	-	34,772	34,772		33.98	33.98	\$ 0.37
2017	1,023,235	-	38,362	38,362		37.49	37.49	\$ 0.49
2018	1,023,235	-	39,845	39,845		38.94	38.94	\$ 0.66
2019	1,023,235	-	38,245	38,245		37.38	37.38	\$ 0.63
2020	1,023,235	-	38,285	38,285		37.42	37.42	\$ 0.77
2021	1,023,235	-	34,738	34,738		33.95	33.95	\$ 0.41
2022	1,023,235	-	31,457	31,457		30.74	30.74	\$ 0.43

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ -	\$ 375,280	0.0%	\$ 6,252		\$ 0.18	\$ 0.18	\$ 10.97
2017	\$ -	\$ 494,527	0.0%	\$ 6,739		\$ 0.18	\$ 0.18	\$ 13.07
2018	\$ -	\$ 669,762	0.0%	\$ 6,956		\$ 0.17	\$ 0.17	\$ 16.98
2019	\$ -	\$ 634,255	0.0%	\$ 6,689		\$ 0.17	\$ 0.17	\$ 16.76
2020	\$ -	\$ 777,473	0.0%	\$ 6,758		\$ 0.18	\$ 0.18	\$ 20.48
2021	\$ -	\$ 416,868	0.0%	\$ 6,364		\$ 0.18	\$ 0.18	\$ 12.18
2022	\$ -	\$ 430,583	0.0%	\$ 6,066		\$ 0.19	\$ 0.19	\$ 13.88

Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	3.16	2.00	69,544	1.39	2.77	0.0680	231.96	0.0941
2017	3.08	2.00	76,724	1.45	2.90	0.0750	255.91	0.1086
2018	3.30	2.00	79,690	1.39	2.79	0.0779	265.81	0.1086
2019	2.99	2.00	76,490	1.39	2.79	0.0748	255.13	0.1042
2020	3.05	2.00	76,570	1.39	2.79	0.0748	255.40	0.1043
2021	3.14	2.00	69,476	1.39	2.79	0.0679	231.74	0.0947
2022	2.94	2.00	62,914	1.39	2.79	0.0615	209.85	0.0857



Department of Public Instruction



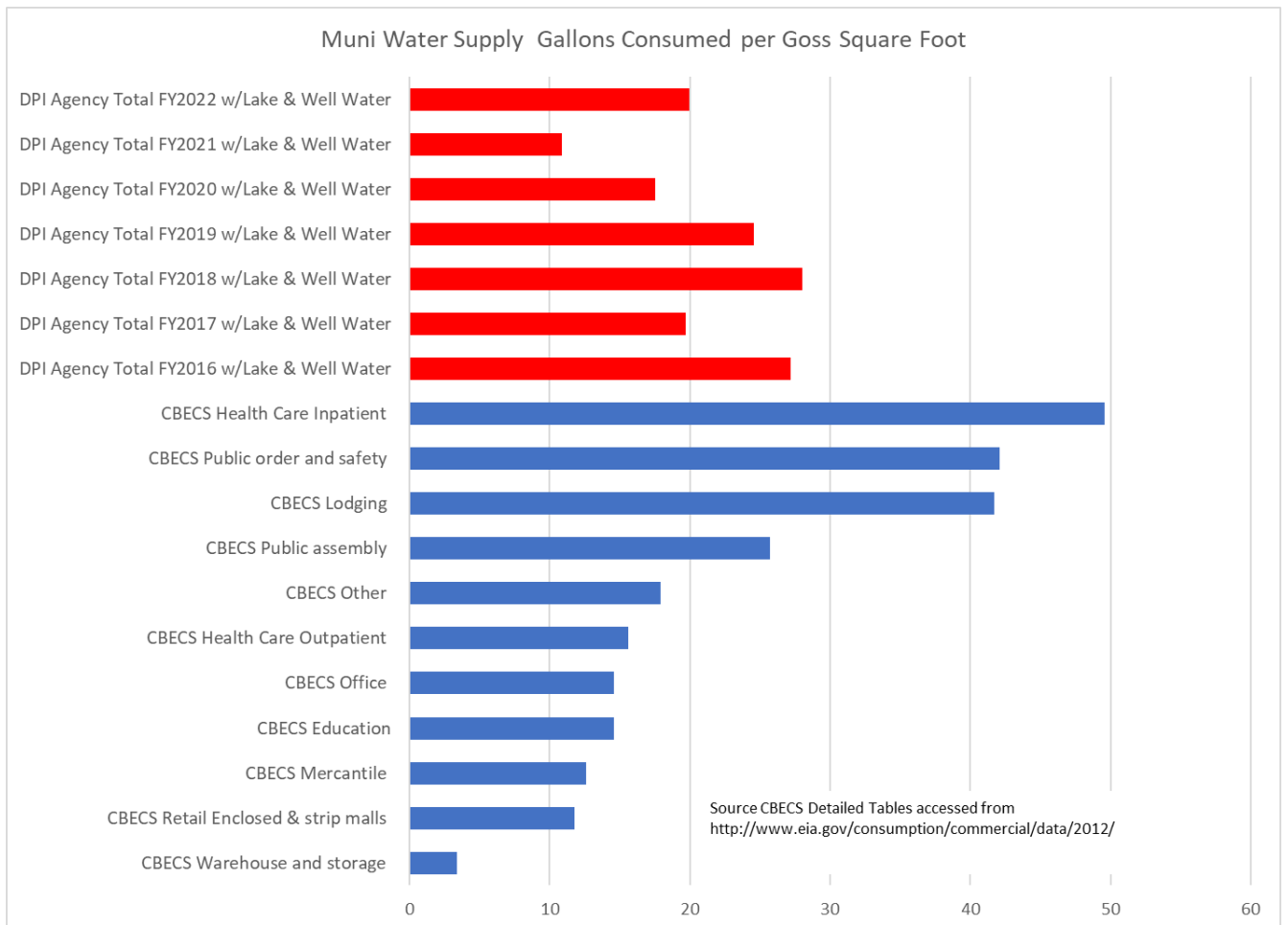
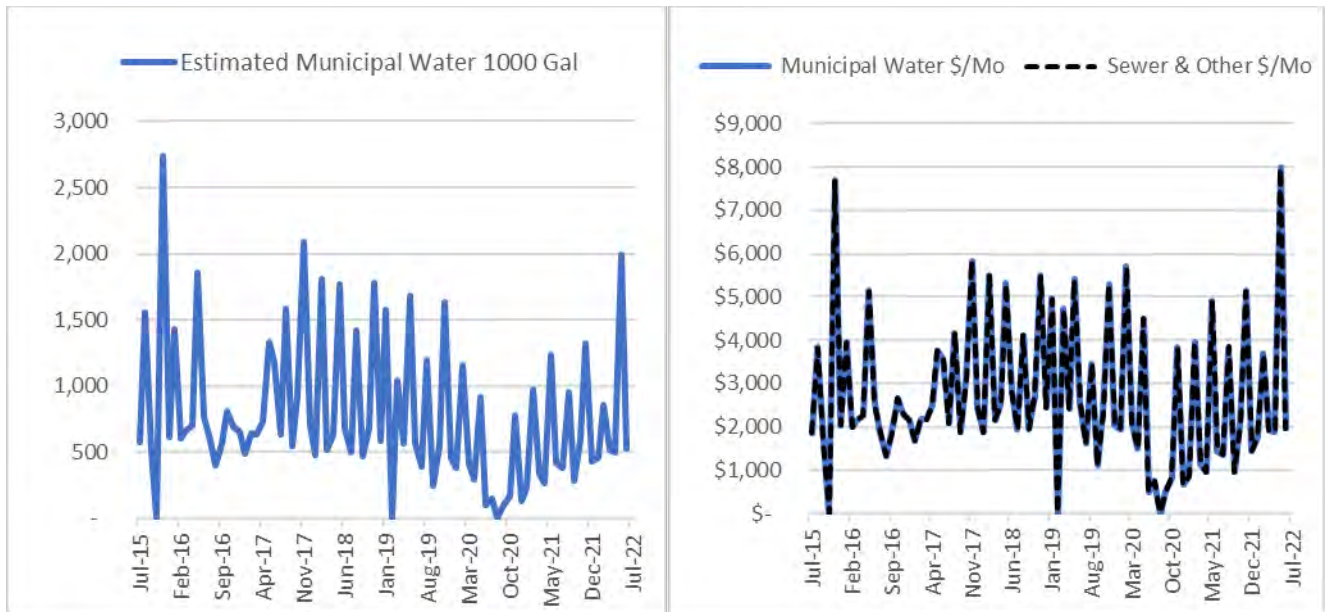
SCOPE

Includes the Wisconsin School for the Deaf (Delavan) and the Wisconsin School for the Blind and Visually Impaired (Janesville).

DPI Agency Total		Own Well/Lake= No			Muni Water Supply			
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	441,183	11,996	-	11,996	27.19		27.19	\$ 0.24
2017	441,183	8,702	-	8,702	19.72		19.72	\$ 0.19
2018	441,183	12,352	-	12,352	28.00		28.00	\$ 0.27
2019	441,183	10,844	-	10,844	24.58		24.58	\$ 0.26
2020	441,183	7,722	-	7,722	17.50		17.50	\$ 0.22
2021	441,183	4,794	-	4,794	10.87		10.87	\$ 0.13
2022	441,183	8,813	-	8,813	19.98		19.98	\$ 0.23

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 35,117	\$ 70,234	50.0%	\$ -	\$ 2.93		\$ 2.93	\$ 8.78
2017	\$ 28,045	\$ 56,089	50.0%	\$ -	\$ 3.22		\$ 3.22	\$ 9.67
2018	\$ 39,668	\$ 79,336	50.0%	\$ -	\$ 3.21		\$ 3.21	\$ 9.63
2019	\$ 38,703	\$ 77,406	50.0%	\$ -	\$ 3.57		\$ 3.57	\$ 10.71
2020	\$ 32,081	\$ 64,162	50.0%	\$ -	\$ 4.15		\$ 4.15	\$ 12.46
2021	\$ 19,846	\$ 39,692	50.0%	\$ -	\$ 4.14		\$ 4.14	\$ 12.42
2022	\$ 34,001	\$ 68,003	50.0%	\$ -	\$ 3.86		\$ 3.86	\$ 11.57

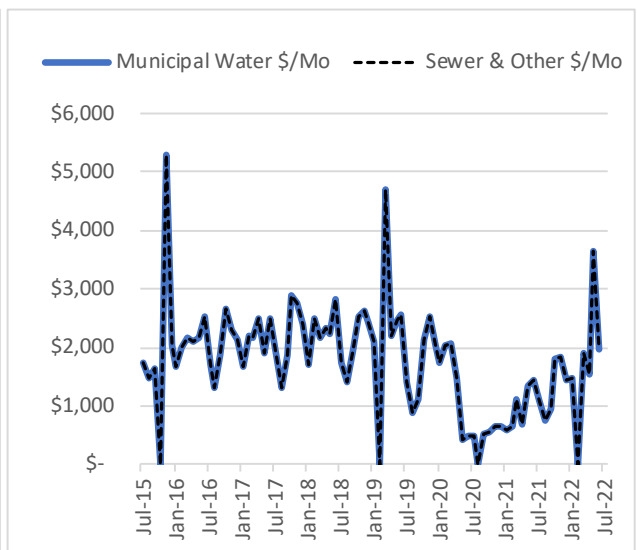
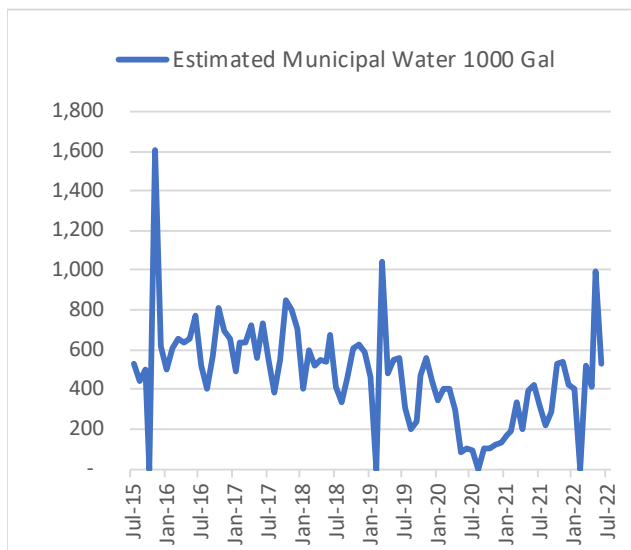
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.14		-	1.39	2.97			0.0806
2017	2.38		-	1.45	3.44			0.0679
2018	2.23		-	1.45	3.23			0.0905
2019	2.16		-	1.45	3.13			0.0770
2020	2.14		-	1.45	3.10			0.0543
2021	2.15		-	1.45	3.12			0.0339
2022	2.14		-	1.45	3.10			0.0619



DPI-Delavan Own Well/Lake= No Vendor = Delavan Water and Sewage Commission								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	244,979	7,533	-	7,533	30.75		30.75	\$ 0.30
2017	244,979	7,426	-	7,426	30.31		30.31	\$ 0.31
2018	244,979	7,121	-	7,121	29.07		29.07	\$ 0.33
2019	244,979	6,138	-	6,138	25.05		25.05	\$ 0.33
2020	244,979	3,853	-	3,853	15.73		15.73	\$ 0.22
2021	244,979	2,280	-	2,280	9.31		9.31	\$ 0.11
2022	244,979	5,178	-	5,178	21.14		21.14	\$ 0.23

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 24,834	\$ 49,667	50.0%	\$ -	\$ 3.30		\$ 3.30	\$ 9.89
2017	\$ 24,987	\$ 49,974	50.0%	\$ -	\$ 3.36		\$ 3.36	\$ 10.09
2018	\$ 26,893	\$ 53,786	50.0%	\$ -	\$ 3.78		\$ 3.78	\$ 11.33
2019	\$ 26,767	\$ 53,533	50.0%	\$ -	\$ 4.36		\$ 4.36	\$ 13.08
2020	\$ 18,355	\$ 36,710	50.0%	\$ -	\$ 4.76		\$ 4.76	\$ 14.29
2021	\$ 8,682	\$ 17,364	50.0%	\$ -	\$ 3.81		\$ 3.81	\$ 11.42
2022	\$ 18,427	\$ 36,853	50.0%	\$ -	\$ 3.56		\$ 3.56	\$ 10.68

Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.40		-	1.39	3.33			0.1024
2017	2.57		-	1.45	3.72			0.1128
2018	2.70		-	1.39	3.76			0.1094
2019	2.40		-	1.39	3.35			0.0838
2020	2.92		-	1.39	4.08			0.0641
2021	2.63		-	1.39	3.67			0.0342
2022	2.35		-	1.39	3.27			0.0692





SCOPE

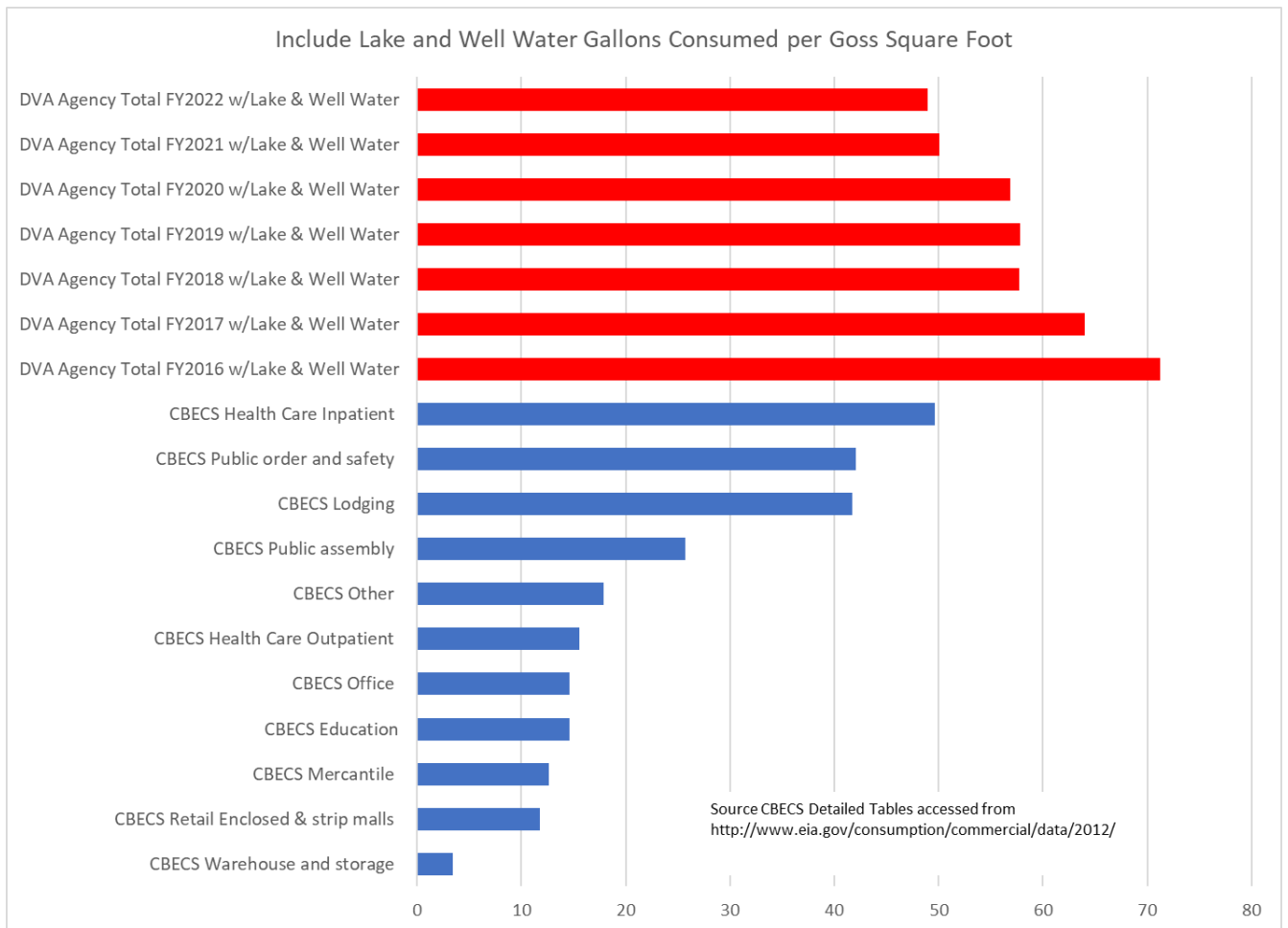
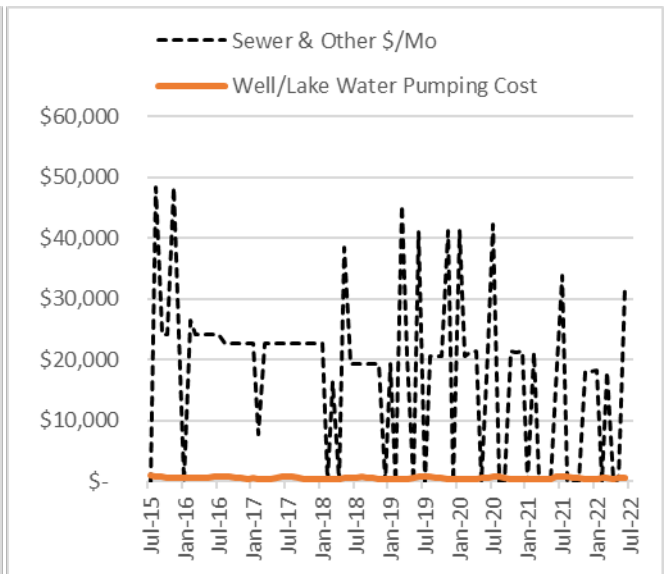
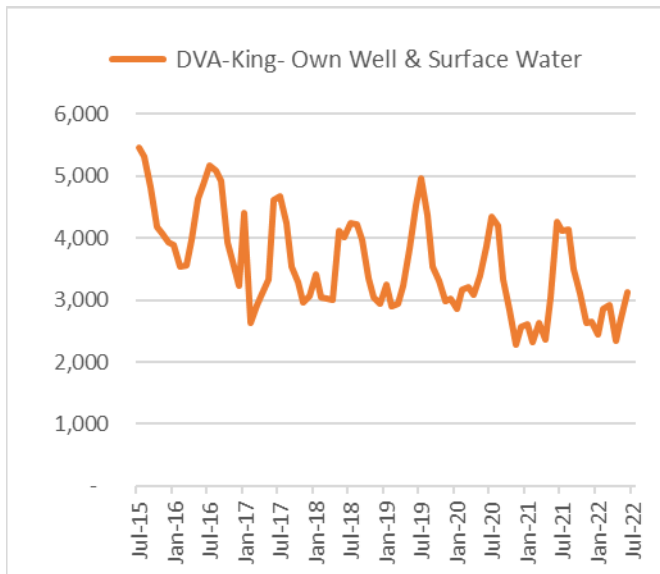
Includes the Wisconsin Veterans Home at King the long term and rehabilitative care facility caring for veterans, a veteran's spouse, the surviving spouse of a veteran, and Gold Star Parents (parents who have lost a son or daughter in combat)

Review Buildings Demolished and New Construction FY20-FY21

DVA-King		Own Well/Lake= Yes			Vendor = Own Well Water Supply			
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	733,728	-	52,237	52,237		71.19	71.19	\$ 0.41
2017	733,728	-	46,960	46,960		64.00	64.00	\$ 0.36
2018	733,728	-	42,373	42,373		57.75	57.75	\$ 0.32
2019	733,728	-	42,420	42,420		57.81	57.81	\$ 0.31
2020	733,728	-	41,748	41,748		56.90	56.90	\$ 0.32
2021	733,728	-	36,753	36,753		50.09	50.09	\$ 0.20
2022	733,728	-	36,505	36,505		49.75	49.75	\$ 0.20

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ -	\$ 292,583	0.0%	\$ 7,575		\$ 0.15	\$ 0.15	\$ 5.75
2017	\$ -	\$ 257,807	0.0%	\$ 6,625		\$ 0.14	\$ 0.14	\$ 5.63
2018	\$ -	\$ 232,355	0.0%	\$ 5,982		\$ 0.14	\$ 0.14	\$ 5.62
2019	\$ -	\$ 222,448	0.0%	\$ 5,853		\$ 0.14	\$ 0.14	\$ 5.38
2020	\$ -	\$ 228,210	0.0%	\$ 5,925		\$ 0.14	\$ 0.14	\$ 5.61
2021	\$ -	\$ 143,011	0.0%	\$ 5,256		\$ 0.14	\$ 0.14	\$ 4.03
2022	\$ -	\$ 138,876	0.0%	\$ 6,230		\$ 0.17	\$ 0.17	\$ 3.97

Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.00	2.00	104,474	1.39	2.77	0.1424	485.97	0.1972
2017	2.00	2.00	93,920	1.45	2.90	0.1280	436.88	0.1855
2018	2.00	2.00	84,746	1.39	2.79	0.1155	394.20	0.1610
2019	2.00	2.00	84,840	1.39	2.79	0.1156	394.64	0.1612
2020	2.00	2.00	83,496	1.39	2.79	0.1138	388.39	0.1586
2021	2.00	2.00	73,506	1.39	2.79	0.1002	341.92	0.1397
2022	2.00	2.00	73,010	1.39	2.79	0.0995	339.61	0.1387



Department of Natural Resources



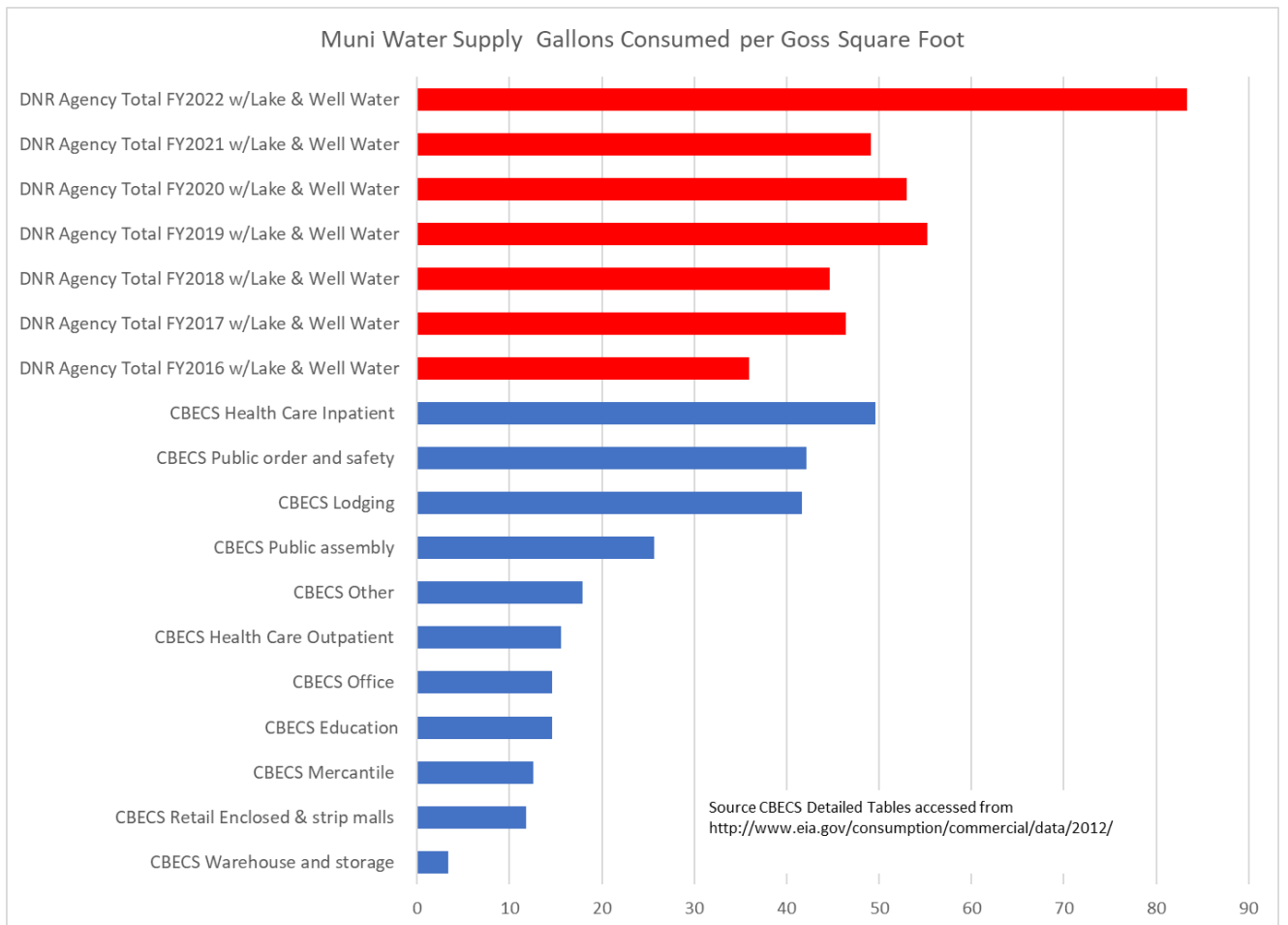
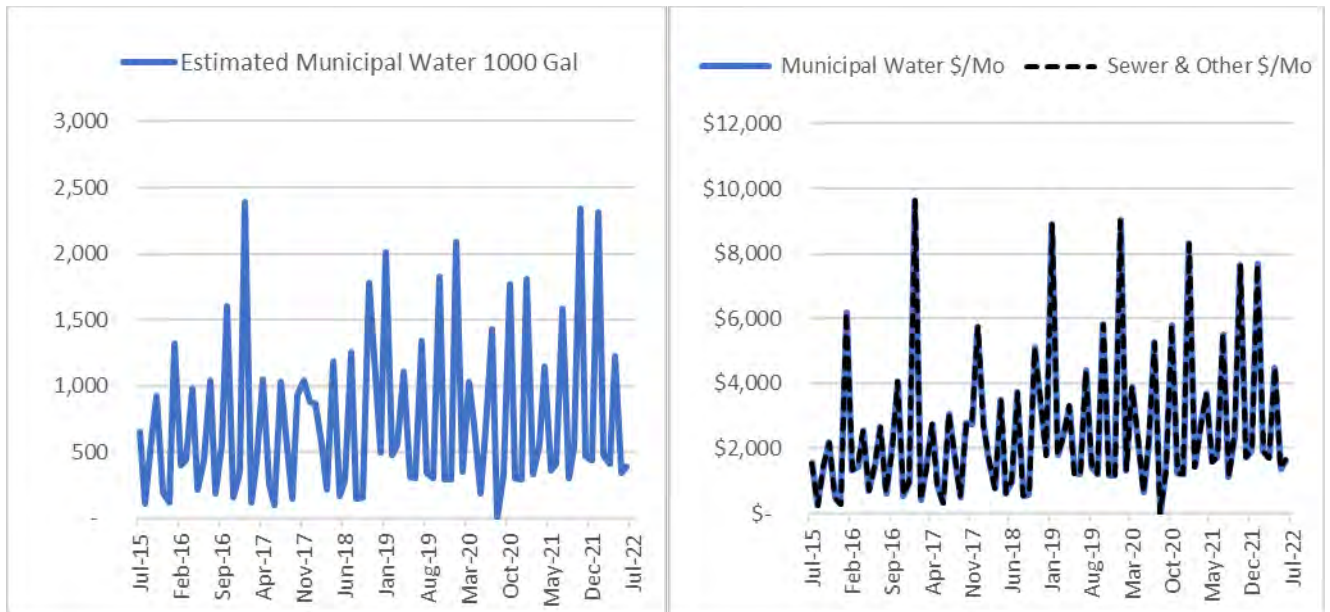
SCOPE

Includes the larger Department of Natural Resources facilities: DNR-South Central Office Madison; DNR-Darwin Road Madison; DNR-Green Bay Office (New FY2106); DNR-Tomahawk and DNR-Southeast Office (Milwaukee).

DNR Agency Total		Own Well/Lake= No			Muni Water Supply			
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	178,097	6,395	-	6,395	35.91		35.91	\$ 0.34
2017	178,097	8,257	-	8,257	46.36		46.36	\$ 0.44
2018	178,097	7,948	-	7,948	44.63		44.63	\$ 0.45
2019	178,097	9,837	-	9,837	55.23		55.23	\$ 0.57
2020	178,097	9,438	-	9,438	52.99		52.99	\$ 0.58
2021	178,097	8,741	-	8,741	49.08		49.08	\$ 0.58
2022	130,097	10,840	-	10,840	83.32		83.32	\$ 0.90

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 19,915	\$ 39,830	50.0%	\$ -	\$ 3.11		\$ 3.11	\$ 9.34
2017	\$ 26,201	\$ 52,403	50.0%	\$ -	\$ 3.17		\$ 3.17	\$ 9.52
2018	\$ 26,846	\$ 53,692	50.0%	\$ -	\$ 3.38		\$ 3.38	\$ 10.13
2019	\$ 34,043	\$ 68,087	50.0%	\$ -	\$ 3.46		\$ 3.46	\$ 10.38
2020	\$ 34,614	\$ 69,228	50.0%	\$ -	\$ 3.67		\$ 3.67	\$ 11.00
2021	\$ 34,324	\$ 68,649	50.0%	\$ -	\$ 3.93		\$ 3.93	\$ 11.78
2022	\$ 39,158	\$ 78,315	50.0%	\$ -	\$ 3.61		\$ 3.61	\$ 10.84

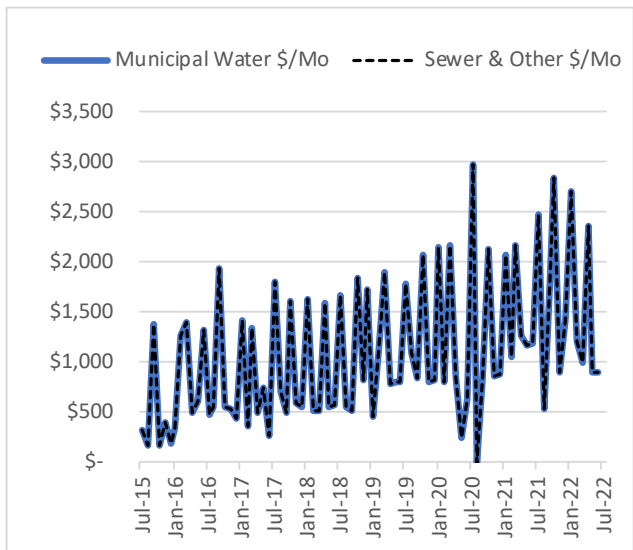
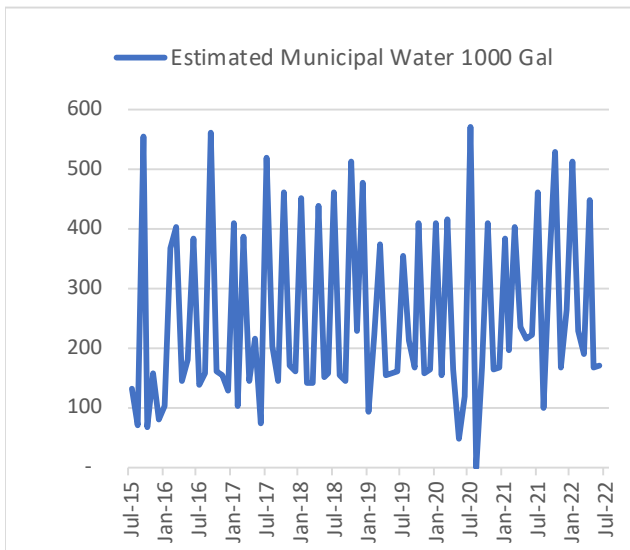
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.64		-	1.39	2.27			0.0816
2017	1.71		-	1.45	2.47			0.1147
2018	1.75		-	1.45	2.54			0.1133
2019	1.72		-	1.45	2.50			0.1380
2020	1.87		-	1.45	2.71			0.1435
2021	1.99		-	1.45	2.88			0.1416
2022	1.98		-	1.45	2.87			0.2388



DNR-Madison Own Well/Lake= No Vendor = Madison Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	58,796	2,642	-	2,642	44.93		44.93	\$ 0.41
2017	58,796	2,633	-	2,633	44.78		44.78	\$ 0.46
2018	58,796	3,142	-	3,142	53.45		53.45	\$ 0.57
2019	58,796	3,132	-	3,132	53.26		53.26	\$ 0.66
2020	58,796	2,770	-	2,770	47.10		47.10	\$ 0.73
2021	58,796	3,130	-	3,130	53.23		53.23	\$ 0.85
2022	58,796	3,568	-	3,568	60.68		60.68	\$ 0.97

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 8,081	\$ 16,163	50.0%	\$ -	\$ 3.06		\$ 3.06	\$ 9.18
2017	\$ 9,109	\$ 18,218	50.0%	\$ -	\$ 3.46		\$ 3.46	\$ 10.38
2018	\$ 11,114	\$ 22,228	50.0%	\$ -	\$ 3.54		\$ 3.54	\$ 10.61
2019	\$ 13,010	\$ 26,019	50.0%	\$ -	\$ 4.15		\$ 4.15	\$ 12.46
2020	\$ 14,263	\$ 28,525	50.0%	\$ -	\$ 5.15		\$ 5.15	\$ 15.45
2021	\$ 16,637	\$ 33,275	50.0%	\$ -	\$ 5.32		\$ 5.32	\$ 15.95
2022	\$ 19,071	\$ 38,143	50.0%	\$ -	\$ 5.35		\$ 5.35	\$ 16.04

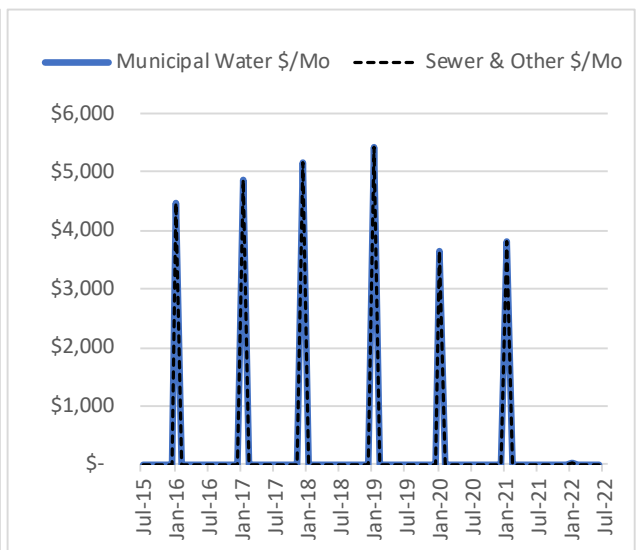
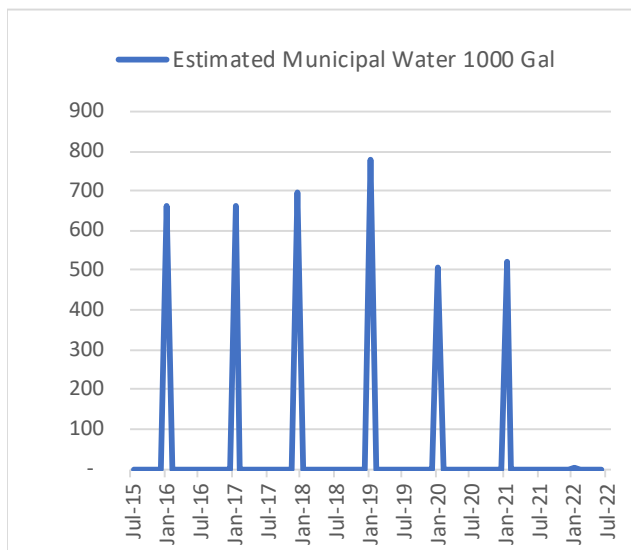
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.08		-	1.39	2.88			0.1296
2017	2.15		-	1.45	3.12			0.1398
2018	2.16		-	1.39	3.01			0.1607
2019	2.11		-	1.39	2.94			0.1566
2020	2.23		-	1.39	3.11			0.1467
2021	2.27		-	1.39	3.16			0.1684
2022	2.19		-	1.39	3.05			0.1852



DNR-Green Bay Own Well/Lake= No Vendor = Village of Allouez Water Department								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	34,560	662	-	662	19.17		19.17	\$ 0.39
2017	34,560	660	-	660	19.10		19.10	\$ 0.42
2018	34,560	698	-	698	20.20		20.20	\$ 0.45
2019	34,560	778	-	778	22.51		22.51	\$ 0.47
2020	34,560	508	-	508	14.70		14.70	\$ 0.32
2021	34,560	523	-	523	15.13		15.13	\$ 0.33
2022	34,560	3	-	3	0.09		0.09	\$ 0.00

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 4,489	\$ 8,978	50.0%	\$ -	\$ 6.78		\$ 6.78	\$ 20.33
2017	\$ 4,881	\$ 9,762	50.0%	\$ -	\$ 7.39		\$ 7.39	\$ 22.18
2018	\$ 5,163	\$ 10,325	50.0%	\$ -	\$ 7.39		\$ 7.39	\$ 22.18
2019	\$ 5,442	\$ 10,883	50.0%	\$ -	\$ 7.00		\$ 7.00	\$ 20.99
2020	\$ 3,645	\$ 7,290	50.0%	\$ -	\$ 7.17		\$ 7.17	\$ 21.52
2021	\$ 3,813	\$ 7,627	50.0%	\$ -	\$ 7.29		\$ 7.29	\$ 21.88
2022	\$ 24	\$ 49	50.0%	\$ -	\$ 8.16		\$ 8.16	\$ 24.49

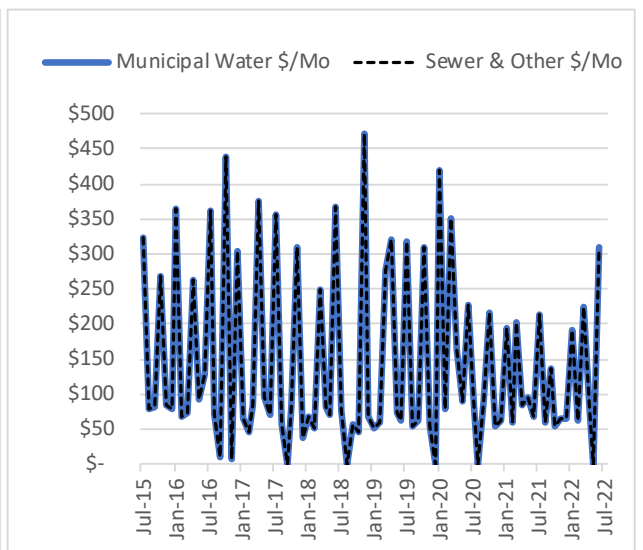
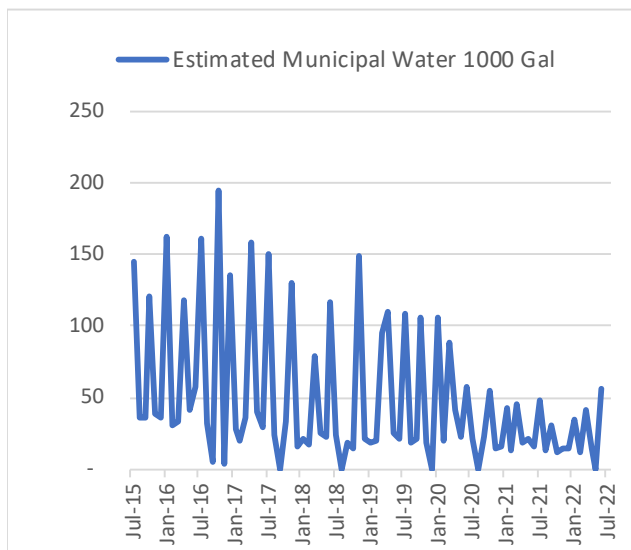
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	0.28		-	1.39	0.39			0.0076
2017	0.26		-	1.45	0.37			0.0071
2018	0.25		-	1.39	0.35			0.0072
2019	0.28		-	1.39	0.39			0.0088
2020	2.00		-	1.39	2.79			0.0410
2021	2.00		-	1.39	2.79			0.0422
2022	0.27		-	1.39	0.38			0.0000



DNR-Tomahawk Own Well/Lake= No Vendor = Tomahawk Municipal Water and Sewer Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	36,741	854	-	854	23.23		23.23	\$ 0.16
2017	36,741	843	-	843	22.94		22.94	\$ 0.16
2018	36,741	634	-	634	17.25		17.25	\$ 0.14
2019	36,741	517	-	517	14.08		14.08	\$ 0.13
2020	36,741	611	-	611	16.64		16.64	\$ 0.17
2021	36,741	285	-	285	7.75		7.75	\$ 0.10
2022	36,741	290	-	290	7.89		7.89	\$ 0.12

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 1,909	\$ 3,819	50.0%	\$ -	\$ 2.24		\$ 2.24	\$ 6.71
2017	\$ 1,933	\$ 3,867	50.0%	\$ -	\$ 2.29		\$ 2.29	\$ 6.88
2018	\$ 1,731	\$ 3,461	50.0%	\$ -	\$ 2.73		\$ 2.73	\$ 8.19
2019	\$ 1,566	\$ 3,131	50.0%	\$ -	\$ 3.03		\$ 3.03	\$ 9.08
2020	\$ 2,130	\$ 4,259	50.0%	\$ -	\$ 3.48		\$ 3.48	\$ 10.45
2021	\$ 1,212	\$ 2,423	50.0%	\$ -	\$ 4.26		\$ 4.26	\$ 12.77
2022	\$ 1,467	\$ 2,933	50.0%	\$ -	\$ 5.06		\$ 5.06	\$ 15.18

Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.08		-	1.39	1.49			0.0347
2017	1.10		-	1.45	1.60			0.0366
2018	1.16		-	1.39	1.62			0.0279
2019	1.10		-	1.39	1.53			0.0215
2020	1.06		-	1.39	1.48			0.0246
2021	1.16		-	1.39	1.62			0.0125
2022	1.19		-	1.39	1.66			0.0131



Department of Transportation



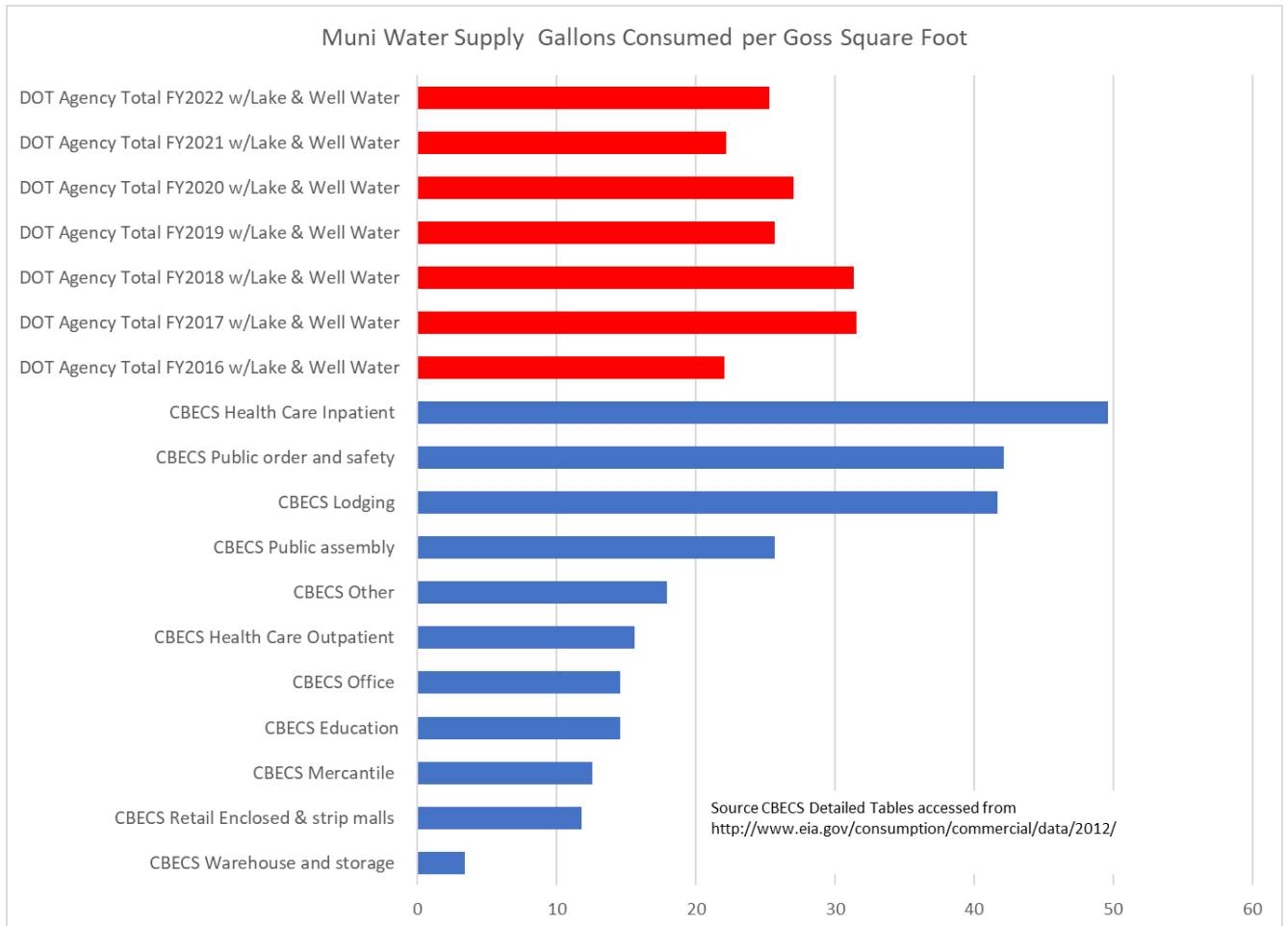
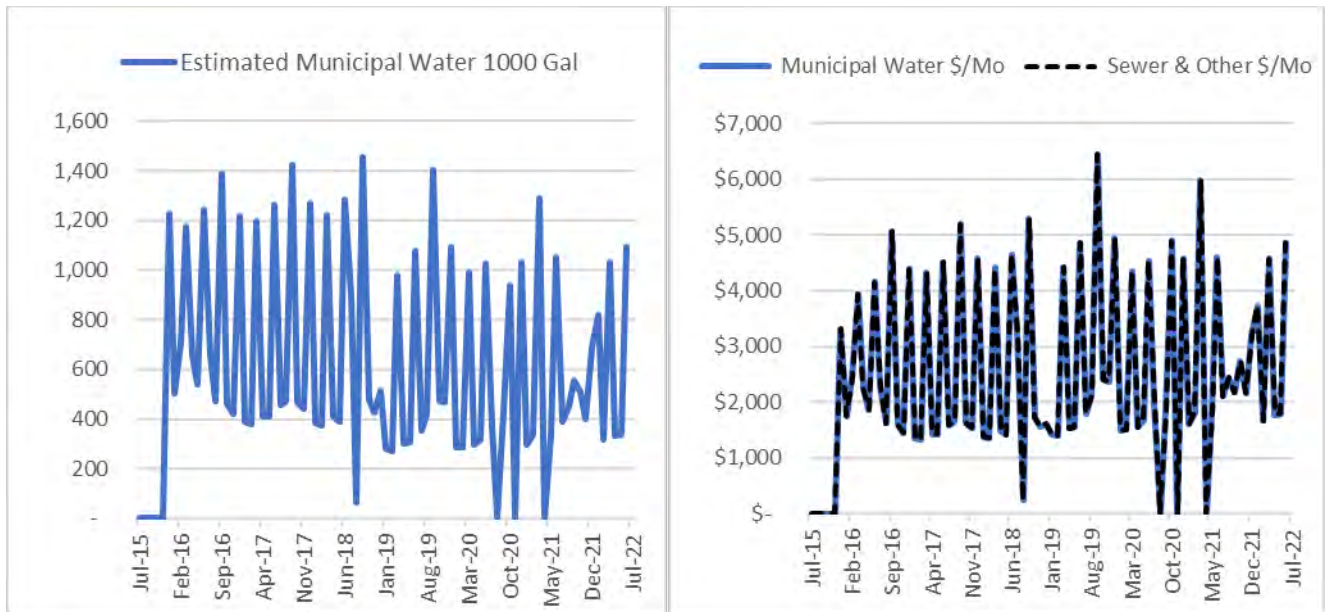
SCOPE

Includes the larger Department of Transportation facilities: DTD 1 Madison; DTD 1, Madison Lab; DTD 1, "A" Building Madison; DTD 1, "B" Building Madison; DTD 2, West Allis; and DTD 3, Green Bay.

DOT Agency Total		Own Well/Lake= No			Muni Water Supply			
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	274,395	6,060	-	6,060	22.09		22.09	\$ 0.22
2017	274,395	8,664	-	8,664	31.58		31.58	\$ 0.34
2018	274,395	8,600	-	8,600	31.34		31.34	\$ 0.34
2019	274,395	7,049	-	7,049	25.69		25.69	\$ 0.31
2020	274,395	7,409	-	7,409	27.00		27.00	\$ 0.38
2021	274,395	6,080	-	6,080	22.16		22.16	\$ 0.32
2022	274,395	6,930	-	6,930	25.26		25.26	\$ 0.36

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 19,740	\$ 39,481	50.0%	\$ -	\$ 3.26		\$ 3.26	\$ 9.77
2017	\$ 30,752	\$ 61,504	50.0%	\$ -	\$ 3.55		\$ 3.55	\$ 10.65
2018	\$ 30,844	\$ 61,689	50.0%	\$ -	\$ 3.59		\$ 3.59	\$ 10.76
2019	\$ 28,796	\$ 57,592	50.0%	\$ -	\$ 4.09		\$ 4.09	\$ 12.26
2020	\$ 35,183	\$ 70,367	50.0%	\$ -	\$ 4.75		\$ 4.75	\$ 14.25
2021	\$ 29,131	\$ 58,263	50.0%	\$ -	\$ 4.79		\$ 4.79	\$ 14.37
2022	\$ 33,242	\$ 66,484	50.0%	\$ -	\$ 4.80		\$ 4.80	\$ 14.39

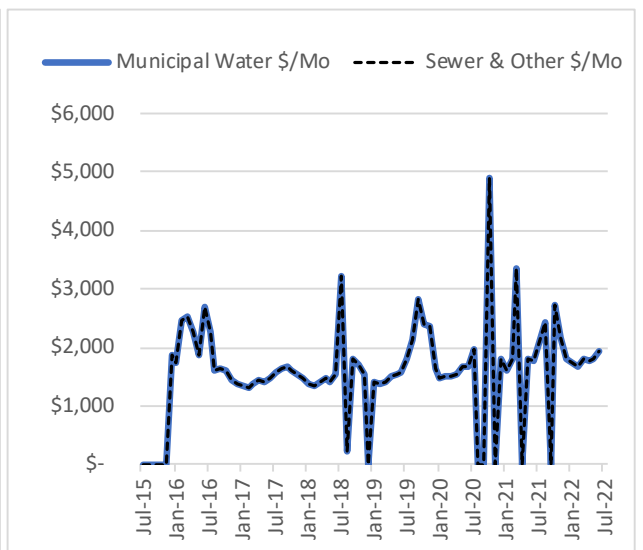
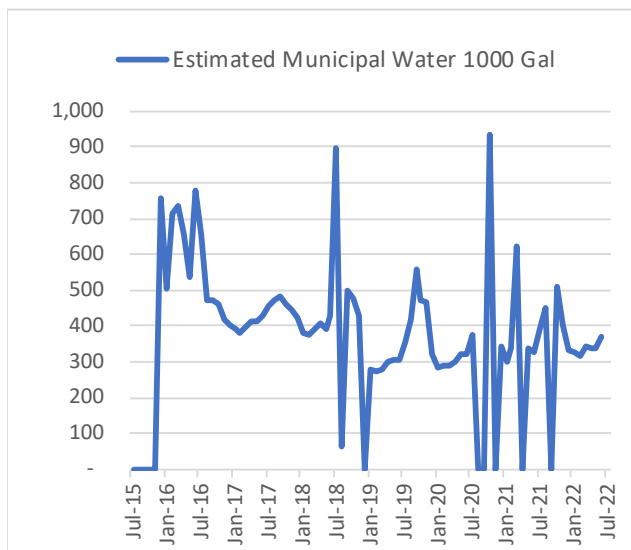
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	1.70		-	1.39	2.35			0.0519
2017	1.76		-	1.45	2.55			0.0805
2018	1.76		-	1.45	2.55			0.0799
2019	1.69		-	1.45	2.45			0.0628
2020	1.81		-	1.45	2.62			0.0707
2021	1.90		-	1.45	2.75			0.0610
2022	2.06		-	1.45	2.99			0.0755



DOT-Madison Own Well/Lake= No Vendor = Madison Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	201,900	4,680	-	4,680	23.18		23.18	\$ 0.23
2017	201,900	5,306	-	5,306	26.28		26.28	\$ 0.27
2018	201,900	5,117	-	5,117	25.34		25.34	\$ 0.27
2019	201,900	4,105	-	4,105	20.33		20.33	\$ 0.26
2020	201,900	4,391	-	4,391	21.75		21.75	\$ 0.34
2021	201,900	3,577	-	3,577	17.71		17.71	\$ 0.28
2022	201,900	4,114	-	4,114	20.38		20.38	\$ 0.33

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 15,416	\$ 30,832	50.0%	\$ -	\$ 3.29		\$ 3.29	\$ 9.88
2017	\$ 18,352	\$ 36,705	50.0%	\$ -	\$ 3.46		\$ 3.46	\$ 10.38
2018	\$ 18,092	\$ 36,184	50.0%	\$ -	\$ 3.54		\$ 3.54	\$ 10.61
2019	\$ 17,379	\$ 34,759	50.0%	\$ -	\$ 4.23		\$ 4.23	\$ 12.70
2020	\$ 22,572	\$ 45,143	50.0%	\$ -	\$ 5.14		\$ 5.14	\$ 15.42
2021	\$ 19,016	\$ 38,032	50.0%	\$ -	\$ 5.32		\$ 5.32	\$ 15.95
2022	\$ 21,987	\$ 43,975	50.0%	\$ -	\$ 5.34		\$ 5.34	\$ 16.03

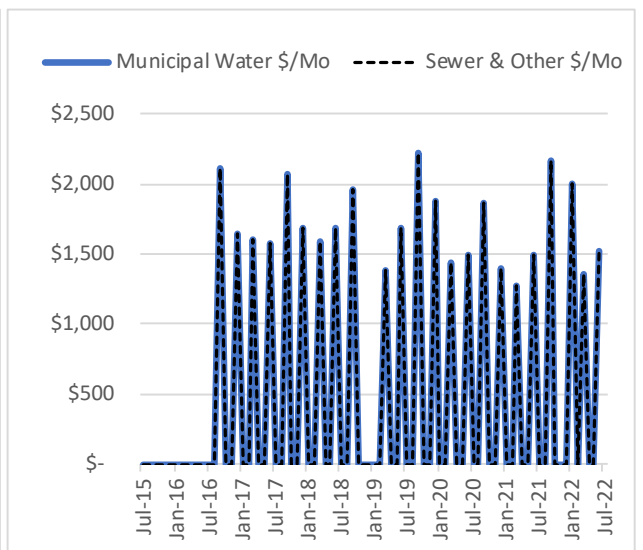
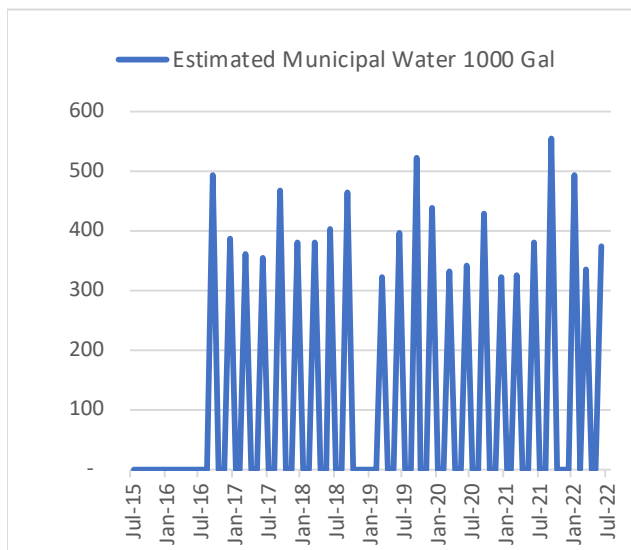
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.08		-	1.39	2.88			0.0668
2017	2.15		-	1.45	3.12			0.0820
2018	2.16		-	1.39	3.01			0.0762
2019	2.11		-	1.39	2.94			0.0598
2020	2.23		-	1.39	3.11			0.0677
2021	2.27		-	1.39	3.16			0.0560
2022	2.19		-	1.39	3.05			0.0622



DOT-Green Bay Own Well/Lake= No Vendor = Ashwaubenon Water And Sewer Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	40,515	-	-	-			-	\$ -
2017	40,515	1,599	-	1,599	39.46		39.46	\$ 0.51
2018	40,515	1,625	-	1,625	40.11		40.11	\$ 0.52
2019	40,515	1,184	-	1,184	29.24		29.24	\$ 0.37
2020	40,515	1,634	-	1,634	40.33		40.33	\$ 0.52
2021	40,515	1,458	-	1,458	36.00		36.00	\$ 0.45
2022	40,515	1,758	-	1,758	43.38		43.38	\$ 0.52

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ -	\$ -		\$ -			\$ -	
2017	\$ 6,932	\$ 13,863	50.0%	\$ -	\$ 4.34		\$ 4.34	\$ 13.01
2018	\$ 7,019	\$ 14,038	50.0%	\$ -	\$ 4.32		\$ 4.32	\$ 12.96
2019	\$ 5,023	\$ 10,046	50.0%	\$ -	\$ 4.24		\$ 4.24	\$ 12.72
2020	\$ 7,026	\$ 14,053	50.0%	\$ -	\$ 4.30		\$ 4.30	\$ 12.90
2021	\$ 6,035	\$ 12,069	50.0%	\$ -	\$ 4.14		\$ 4.14	\$ 12.41
2022	\$ 7,055	\$ 14,111	50.0%	\$ -	\$ 4.01		\$ 4.01	\$ 12.04

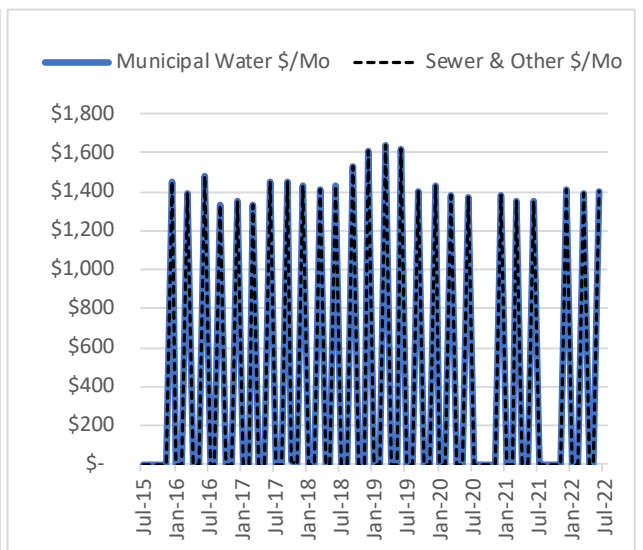
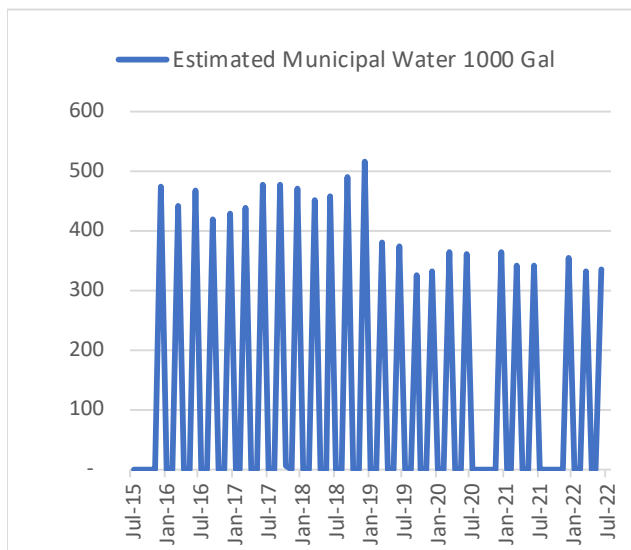
Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	2.00		-	1.39				
2017	2.00		-	1.45	2.90			0.1144
2018	2.00		-	1.39	2.79			0.1118
2019	2.00		-	1.39	2.79			0.0815
2020	2.00		-	1.39	2.79			0.1124
2021	2.00		-	1.39	2.79			0.1004
2022	2.00		-	1.39	2.79			0.1210



DOT-West Allis Own Well/Lake= No Vendor = West Allis Municipal Water Utility								
Fiscal Year	Gross Square Feet	Municipal Water 1000 Gals	Well/Lake Water 1000 Gals	Total Water Use 1000 Gals	Municipal Water Use Gal/GSF	Well/Lake Water Gals/GSF	Water Use Gals/GSF	Sewer & Water Cost \$/GSF
2016	31,980	1,381	-	1,381	43.17		43.17	\$ 0.41
2017	31,980	1,760	-	1,760	55.03		55.03	\$ 0.51
2018	31,980	1,858	-	1,858	58.09		58.09	\$ 0.54
2019	31,980	1,759	-	1,759	55.02		55.02	\$ 0.60
2020	31,980	1,384	-	1,384	43.28		43.28	\$ 0.52
2021	31,980	1,045	-	1,045	32.67		32.67	\$ 0.38
2022	31,980	1,022	-	1,022	31.96		31.96	\$ 0.39

Fiscal Year	Estimated Municipal Water Cost	Total Municipal Water, Sewer & Other	Estimated % Muni Water Total Bill	Well/Lake Water kwh Cost	Municipal Water Cost \$/1000 Gals	Well/Lake Water Pump \$/1000 Gals	Total Water Cost \$/1000 Gals	Total w/Sewer Cost \$/1000 Gals
2016	\$ 4,324	\$ 8,649	50.0%	\$ -	\$ 3.13		\$ 3.13	\$ 9.40
2017	\$ 5,468	\$ 10,936	50.0%	\$ -	\$ 3.11		\$ 3.11	\$ 9.32
2018	\$ 5,734	\$ 11,467	50.0%	\$ -	\$ 3.09		\$ 3.09	\$ 9.26
2019	\$ 6,394	\$ 12,787	50.0%	\$ -	\$ 3.63		\$ 3.63	\$ 10.90
2020	\$ 5,586	\$ 11,171	50.0%	\$ -	\$ 4.04		\$ 4.04	\$ 12.11
2021	\$ 4,081	\$ 8,162	50.0%	\$ -	\$ 3.91		\$ 3.91	\$ 11.72
2022	\$ 4,199	\$ 8,399	50.0%	\$ -	\$ 4.11		\$ 4.11	\$ 12.33

Fiscal Year	Municipal kwh/1000 Gals	Well/Lake Water kwh/1000 Gal	Well/Lake Water kwh	Utility CO2e lb/kwh	Total Water CO2e lb/1000 Gals	Well/Lake Water kwh/GSF	Well/Lake Water Btu/GSF	Total Water CO2 lb/GSF
2016	0.46		-	1.39	0.63			0.0273
2017	0.47		-	1.45	0.69			0.0377
2018	0.45		-	1.39	0.63			0.0364
2019	0.41		-	1.39	0.57			0.0315
2020	0.50		-	1.39	0.70			0.0303
2021	0.58		-	1.39	0.80			0.0263
2022	0.61		-	1.39	0.85			0.0272



Appendix A - Case Study Water Conservation at EPA

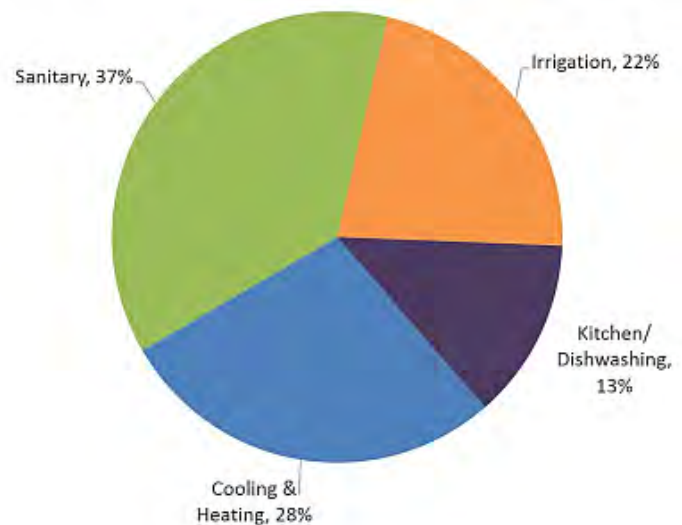
The U.S. population has doubled over the past 50 years, while our thirst for water has tripled. With at least 40 states anticipating water shortages by 2024, the need to conserve water is critical. EPA strives to integrate [water management best practices](#) at all of its facilities. EPA occupies two main types of facilities: offices and laboratories. Plumbing, heating/cooling and irrigation needs comprise a large percentage of typical office water use. The Agency has minimized those uses by installing high-efficiency plumbing fixtures and eliminating irrigation.

Laboratories use water for laboratory processes, water purification and steam sterilization. Laboratories also have significant heat loads, so a significant amount of water is used as cooling tower make-up. EPA has focused much of its water-saving efforts on laboratory facilities. In 2002, EPA began reducing its water footprint, prior to any federal requirements mandating water conservation. EPA's water management planning and water use reduction efforts have produced significant results.

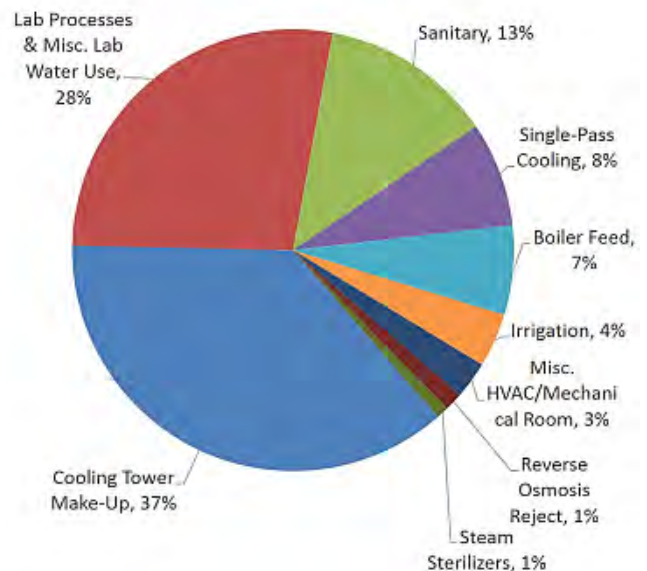
EPA water reduction strategies include:

- Monitoring water meters and tracking use
- Installing WaterSense labeled and other high efficiency restroom fixtures
- Eliminating single-pass cooling
- Optimizing cooling tower efficiency
- Minimizing or eliminating landscape irrigation.

Typical Office Building End Uses of Water

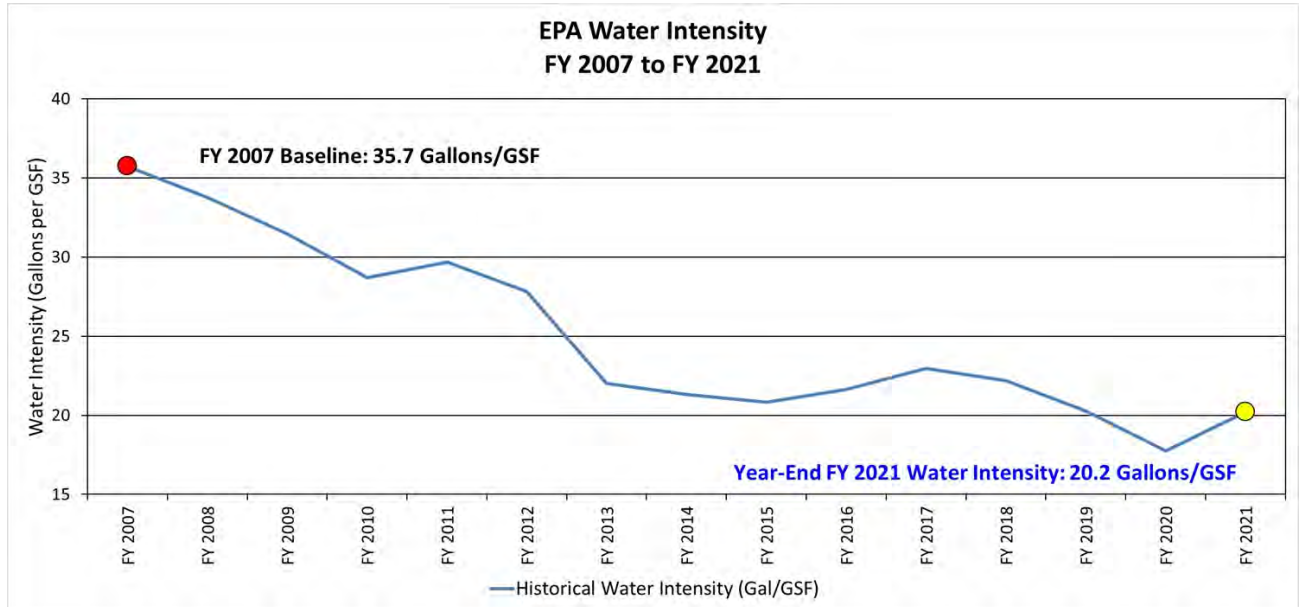


Typical EPA Laboratory End Uses of Water



EPA Water Conservation Results

EPA reduced its water intensity by 43.5 percent in FY 2021 compared to FY 2007. EPA continues to manage water to maintain progress and implements water projects to reduce water consumption further.



Learn more about [water management plans and best practices](https://www.epa.gov/greeningepa/water-management-plans-and-best-practices-epa) (https://www.epa.gov/greeningepa/water-management-plans-and-best-practices-epa) at EPA, and how the Agency minimizes [landscaping water use](https://www.epa.gov/greeningepa/landscaping-epa-facilities) (https://www.epa.gov/greeningepa/landscaping-epa-facilities).

Appendix B - Water & Sewer Facility Water Utility Data for Future Analysis

WI State Agencies w/Water & Sewer Expenditures	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
University of Wisconsin System	\$ 10,900,725	\$ 11,241,372	\$ 11,784,134	\$ 12,253,061	\$ 14,080,182	\$ 13,253,467	\$ 14,725,726	\$ 13,792,165	\$ 12,870,545	\$ 14,654,268
Corrections, Department of	\$ 8,197,527	\$ 8,207,647	\$ 8,551,299	\$ 7,580,483	\$ 8,826,759	\$ 9,602,015	\$ 9,938,057	\$ 10,439,751	\$ 8,608,853	\$ 8,952,322
Health Services, Department of	\$ 1,453,374	\$ 1,384,599	\$ 1,563,843	\$ 1,359,353	\$ 1,876,190	\$ 2,065,677	\$ 2,164,879	\$ 2,342,656	\$ 1,623,569	\$ 1,659,970
Administration, Department of	\$ 488,972	\$ 452,921	\$ 519,341	\$ 549,861	\$ 614,497	\$ 671,963	\$ 665,956	\$ 810,239	\$ 579,560	\$ 782,487
Military Affairs, Department of	\$ 474,104	\$ 478,451	\$ 598,675	\$ 527,460	\$ 567,559	\$ 573,837	\$ 545,592	\$ 563,242	\$ 537,150	\$ 594,976
Veterans Affairs, Department of	\$ 358,219	\$ 382,025	\$ 331,019	\$ 348,175	\$ 352,794	\$ 338,642	\$ 325,467	\$ 325,564	\$ 205,137	\$ 170,613
Natural Resources, Department of	\$ 179,071	\$ 191,697	\$ 195,047	\$ 170,905	\$ 214,972	\$ 266,770	\$ 290,385	\$ 374,863	\$ 538,740	\$ 605,019
State Fair Park Board	\$ 232,142	\$ 273,621	\$ 296,109	\$ 219,083	\$ 252,137	\$ 317,129	\$ 214,928	\$ 258,877	\$ 256,059	\$ 91,565
Transportation, Department of	\$ 350,569	\$ 334,181	\$ 205,012	\$ 175,214	\$ 155,526	\$ 155,235	\$ 140,198	\$ 158,906	\$ 139,933	\$ 157,169
Public Instruction, Department of	\$ 47,749	\$ 95,723	\$ 70,908	\$ 68,149	\$ 58,071	\$ 81,268	\$ 79,355	\$ 66,287	\$ 41,728	\$ 68,400
Historical Society	\$ 45,074	\$ 43,373	\$ 44,454	\$ 34,241	\$ 45,203	\$ 64,167	\$ 50,745	\$ 52,059	\$ 43,063	\$ 55,038
Agriculture, Trade and Consumer Protection, Department of	\$ 2,181	\$ 2,979	\$ 3,454	\$ 2,410	\$ 2,870	\$ 2,775	\$ 2,244	\$ 2,556	\$ 2,138	\$ 2,746
Justice, Department of	\$ 778	\$ 813	\$ 1,337	\$ 1,916	\$ 1,764	\$ 1,586	\$ 1,609	\$ 1,679	\$ 1,988	\$ 2,798
Educational Communications Board	\$ 890	\$ 6,078	\$ 1,230	\$ 1,109	\$ 768	\$ 757	\$ 780	\$ 799	\$ 816	\$ 1,023
Board of Commissioners of Public Lands	\$ 800	\$ 780	\$ 760	\$ 570	\$ 570	\$ 570	\$ 760	\$ 760	\$ 760	\$ 760
Public Defender Board	\$ 435	\$ 416	\$ 331	\$ 387	\$ 367	\$ 365	\$ 455	\$ 677	\$ 542	\$ 922
Safety and Professional Services, Department of	\$ 1,041	\$ 333	\$ 377	\$ 250	\$ 294		\$ 390			
Workforce Development, Department of	\$	\$ 151					\$ 759		\$ 499	
Grand Total	\$ 22,733,651	\$ 23,097,161	\$ 24,167,333	\$ 23,292,626	\$ 27,050,521	\$ 27,396,224	\$ 29,148,285	\$ 29,191,079	\$ 25,451,081	\$ 27,800,075

Appendix C - Water & Sewer Facility Water Utility Data for Future Analysis

Water & Sewer Facilities	2013 \$/GSF	2014 \$/GSF	2015 \$/GSF	2016 \$/GSF	2017 \$/GSF	2018 \$/GSF	2019 \$/GSF	2020 \$/GSF	2021 \$/GSF	2022 \$/GSF	Water & Serwer Vender
DHS-Mendota	\$ 0.19	\$ 0.18	\$ 0.26	\$ 0.18	\$ 0.24	\$ 0.28	\$ 0.40	\$ 0.40	\$ 0.24	\$ 0.22	Madison, City of
DHS-Northern Cen	\$ 0.25	\$ 0.21	\$ 0.24	\$ 0.25	\$ 0.27	\$ 0.27	\$ 0.25	\$ 0.24	\$ 0.04	\$ 0.21	City Of Chippewa Falls
DHS-Sand Ridge	\$ 0.85	\$ 0.84	\$ 0.84	\$ 0.85	\$ 0.83	\$ 0.89	\$ 0.86	\$ 0.94	\$ 0.52	\$ 0.54	City Of Mauston
DHS-Southern Cen	\$ 0.40	\$ 0.37	\$ 0.36	\$ 0.37	\$ 0.48	\$ 0.65	\$ 0.62	\$ 0.76	\$ 0.41	\$ 0.42	Union Grove, Vill Sewer Utility
DHS-Winnebago	\$ 0.41	\$ 0.42	\$ 0.46	\$ 0.36	\$ 0.67	\$ 0.58	\$ 0.62	\$ 0.63	\$ 0.70	\$ 0.67	City Of Oshkosh
DNR-Madison	\$ 0.25	\$ 0.25	\$ 0.30	\$ 0.27	\$ 0.31	\$ 0.38	\$ 0.44	\$ 0.49	\$ 0.57	\$ 0.65	Madison, City of
DNR-Green Bay	\$ 0.20	\$ 0.23	\$ 0.24	\$ 0.26	\$ 0.28	\$ 0.30	\$ 0.31	\$ 0.21	\$ 0.22	\$ 0.00	ALLOUEZ WATER DEPT
DNR-Tomahawk	\$ 0.06	\$ 0.06	\$ 0.08	\$ 0.09	\$ 0.11	\$ 0.09	\$ 0.09	\$ 0.12	\$ 0.07	\$ 0.08	City Of Tomahawk
DOA-Madison	\$ 0.10	\$ 0.09	\$ 0.12	\$ 0.12	\$ 0.13	\$ 0.15	\$ 0.14	\$ 0.18	\$ 0.12	\$ 0.17	Madison, City of
DOA-Eau Claire SO	\$ 0.26	\$ 0.25	\$ 0.26	\$ 0.26	\$ 0.14	\$ 0.26	\$ 0.17	\$ 0.29	\$ 0.23	\$ 0.25	City of Eau Claire
DOA-Green Bay SC	\$ 0.07	\$ 0.06	\$ 0.06	\$ 0.05	\$ 0.07	\$ 0.08	\$ 0.08	\$ 0.09	\$ 0.05	\$ 0.08	Green Bay Water Utility
DOA-La Crosse SOI	\$ 0.25	\$ 0.29	\$ 0.26	\$ 0.23	\$ 0.32	\$ 0.32	\$ 0.30	\$ 0.27	\$ 0.20	\$ 0.35	La Crosse, City of
DOA-Waukesha SC	\$ 0.10	\$ 0.10	\$ 0.11	\$ 0.04	\$ 0.18	\$ 0.10	\$ 0.12	\$ 0.13	\$ 0.06	\$ 0.10	Waukesha Water Utility
DOA-WI Rapids SO	\$ 1.09	\$ 0.53	\$ 0.35	\$ 0.34	\$ 0.44	\$ 0.42	\$ 0.34	\$ 0.34	\$ 0.27	\$ 0.43	Water Works & Lighting Commsn
DOC-Boscobel	\$ 0.62	\$ 0.61	\$ 0.75	\$ 0.62	\$ 0.73	\$ 0.73	\$ 0.74	\$ 0.64	\$ 0.63	\$ 0.56	City Of Boscobel
DOC-Columbia	\$ 0.76	\$ 0.75	\$ 0.78	\$ 0.72	\$ 0.80	\$ 0.81	\$ 0.76	\$ 0.92	\$ 0.72	\$ 0.67	Portage Water Dept
DOC-Green Bay	\$ 1.65	\$ 1.58	\$ 1.59	\$ 1.62	\$ 1.87	\$ 2.03	\$ 1.76	\$ 1.87	\$ 1.64	\$ 1.38	Allouez Water Department
DOC-Jackson	\$ 1.08	\$ 1.68	\$ 1.22	\$ 0.52	\$ 0.35	\$ 0.42	\$ 0.48	\$ 0.51	\$ 0.46	\$ 0.46	Brockway Sanitary District #1
DOC-Milwaukee S	\$ 0.53	\$ 0.53	\$ 0.54	\$ 0.53	\$ 0.64	\$ 0.65	\$ 0.54	\$ 0.68	\$ 0.40	\$ 0.40	Milwaukee, City of
DOC-New Lisbon	\$ 2.22	\$ 2.26	\$ 2.30	\$ 2.12	\$ 2.32	\$ 3.61	\$ 3.47	\$ 3.70	\$ 3.29	\$ 3.29	City Of New Lisbon
DOC-Oakhill	\$ 0.41	\$ 0.44	\$ 0.46	\$ 0.37	\$ 0.36	\$ 0.47	\$ 0.50	\$ 0.47	\$ 0.41	\$ 0.41	Own Wells & Village Of Oregon Sewer
DOC-Oshkosh	\$ 1.41	\$ 1.48	\$ 1.34	\$ 1.07	\$ 1.54	\$ 1.58	\$ 1.86	\$ 1.70	\$ 1.37	\$ 1.56	City Of Oshkosh
DOC-Prairie du Ch	\$ 0.29	\$ 0.30	\$ 0.33	\$ 0.28	\$ 0.37	\$ 0.43	\$ 0.39	\$ 0.47	\$ 0.52	\$ 0.41	City Of Prairie Du Chien
DOC-Racine-Sturte	\$ 1.14	\$ 1.00	\$ 1.07	\$ 0.73	\$ 1.01	\$ 1.29	\$ 1.19	\$ 1.22	\$ 1.18	\$ 1.17	Village Of Sturtevant
DOC-Redgranite	\$ 1.01	\$ 1.05	\$ 1.52	\$ 0.69	\$ 0.85	\$ 0.85	\$ 0.91	\$ 1.00	\$ 1.05	\$ 0.92	Village Of Redgranite
DOC-Stanley	\$ 1.67	\$ 1.68	\$ 1.96	\$ 1.76	\$ 2.79	\$ 1.94	\$ 2.76	\$ 2.85	\$ 2.82	\$ 2.92	City Of Stanley
DOC-Taycheedah	\$ 0.86	\$ 0.89	\$ 0.91	\$ 0.98	\$ 1.00	\$ 1.15	\$ 0.99	\$ 1.06	\$ 0.93	\$ 0.77	Fond du Lac, City of
DOC-Waupun	\$ 1.03	\$ 0.94	\$ 1.04	\$ 0.83	\$ 0.86	\$ 0.91	\$ 0.92	\$ 1.16	\$ 0.74	\$ 0.85	Waupun Utilities
DOT-Madison	\$ 0.30	\$ 0.31	\$ 0.26	\$ 0.18	\$ 0.16	\$ 0.18	\$ 0.17	\$ 0.22	\$ 0.19	\$ 0.22	Madison, City of
DOT-Green Bay	\$ 0.31	\$ 0.31	\$ 0.18		\$ 0.34	\$ 0.35	\$ 0.25	\$ 0.35	\$ 0.30	\$ 0.35	Village Of Ashwaubenon
DOT-West Allis	\$ 0.16	\$ 0.25	\$ 0.09	\$ 0.27	\$ 0.34	\$ 0.36	\$ 0.40	\$ 0.35	\$ 0.26	\$ 0.26	West Allis, City of
DPI-Delavan	\$ 0.13	\$ 0.30	\$ 0.20	\$ 0.19	\$ 0.20	\$ 0.22	\$ 0.22	\$ 0.15	\$ 0.07	\$ 0.15	Delavan Water & Sewer Comm
DPI-Janesville			\$ 0.03	\$ 0.10	\$ 0.03	\$ 0.13	\$ 0.12	\$ 0.14	\$ 0.11	\$ 0.16	City Of Janesville
DVA-King	\$ 0.39	\$ 0.40	\$ 0.36	\$ 0.40	\$ 0.35	\$ 0.32	\$ 0.30	\$ 0.31	\$ 0.19	\$ 0.19	Waupaca Chain O Lakes
UW-Eau Claire	\$ 0.02	\$ 0.01	\$ 0.01	\$ 0.08	\$ 0.08	\$ 0.12	\$ 0.09	\$ 0.13	\$ 0.12	\$ 0.14	EAU CLAIRE, CITY OF
UW-Green Bay	\$ 0.20	\$ 0.20	\$ 0.21	\$ 0.22	\$ 0.24	\$ 0.25	\$ 0.28	\$ 0.28	\$ 0.30	\$ 0.32	Green Bay Water Utility
UW-La Crosse	\$ 0.10	\$ 0.11	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.09	\$ 0.09	\$ 0.09	\$ 0.09	\$ 0.12	CITY OF LA CROSSE
UW-Madison	\$ 0.23	\$ 0.24	\$ 0.26	\$ 0.27	\$ 0.32	\$ 0.28	\$ 0.31	\$ 0.32	\$ 0.30	\$ 0.34	CITY TREASURER
UW-Milwaukee	\$ 0.19	\$ 0.19	\$ 0.20	\$ 0.19	\$ 0.20	\$ 0.20	\$ 0.20	\$ 0.16	\$ 0.16	\$ 0.19	MILWAUKEE WATER WORKS
UW-Oshkosh	\$ 0.22	\$ 0.22	\$ 0.23	\$ 0.23	\$ 0.32	\$ 0.20	\$ 0.37	\$ 0.24	\$ 0.23	\$ 0.26	City Of Oshkosh
UW-Parkside	\$ 0.21	\$ 0.31	\$ 0.27	\$ 0.24	\$ 0.30	\$ 0.30	\$ 0.42	\$ 0.30	\$ 0.25	\$ 0.26	TOWN OF SOMERS
UW-Platteville	\$ 0.25	\$ 0.23	\$ 0.24	\$ 0.22	\$ 0.24	\$ 0.23	\$ 0.26	\$ 0.23	\$ 0.22	\$ 0.19	PLATTEVILLE WATER & SEWER
UW-River Falls	\$ 0.23	\$ 0.27	\$ 0.26	\$ 0.26	\$ 0.26	\$ 0.26	\$ 0.24	\$ 0.24	\$ 0.21	\$ 0.24	RIVER FALLS MUNICIPAL UTILITIES
UW-Stevens Point	\$ 0.18	\$ 0.19	\$ 0.18	\$ 0.17	\$ 0.13	\$ 0.16	\$ 0.18	\$ 0.16	\$ 0.14	\$ 0.18	City Of Stevens Point
UW-Stout	\$ 0.10	\$ 0.10	\$ 0.10	\$ 0.08	\$ 0.12	\$ 0.14	\$ 0.08	\$ 0.09	\$ 0.08	\$ 0.12	Menomonie City of
UW-Superior	\$ 0.37	\$ 0.31	\$ 0.36	\$ 0.34	\$ 0.36	\$ 0.37	\$ 0.28	\$ 0.41	\$ 0.34	\$ 0.34	SUPERIOR WATER LIGHT & POWER
UW-Whitewater	\$ 0.27	\$ 0.22	\$ 0.21	\$ 0.26	\$ 0.31	\$ 0.27	\$ 0.28	\$ 0.26	\$ 0.25	\$ 0.31	CITY OF WHITEWATER
UW-Baraboo			\$ 0.00	\$ 0.03	\$ 0.04	\$ 0.07	\$ 0.09	\$ 0.07	\$ 0.06	\$ 0.07	City Of Baraboo
UW-Barron	\$ 0.06	\$ 0.13	\$ 0.13	\$ 0.09	\$ 0.09	\$ 0.10	\$ 0.09	\$ 0.09	\$ 0.08	\$ 0.09	RICE LAKE UTILITIES
UW-Fox Cities	\$ 0.13	\$ 0.12	\$ 0.13	\$ 0.13	\$ 0.17	\$ 0.09	\$ 0.10	\$ 0.03	\$ 0.01	\$ 0.01	TOWN OF MENASHA UTILITY DISTRICT
UW-Manitowoc	\$ 0.08	\$ 0.08	\$ 0.05	\$ 0.05	\$ 0.06	\$ 0.05	\$ 0.05	\$ 0.04	\$ 0.03	\$ 0.03	Manitowoc Public Utilities
UW-Marathon	\$ 0.09	\$ 0.10	\$ 0.09	\$ 0.09	\$ 0.08	\$ 0.08	\$ 0.07	\$ 0.07	\$ 0.05	\$ 0.07	WAUSAU WATER WORKS
UW-Marinette	\$ 0.11	\$ 0.28	\$ 0.23	\$ 0.26	\$ 0.27	\$ 0.26	\$ 0.28	\$ 0.10	\$ 0.09	\$ 0.08	MARINETTE, CITY OF
UW-Marshfield	\$ 0.09	\$ 0.09	\$ 0.10	\$ 0.11	\$ 0.14	\$ 0.18	\$ 0.18	\$ 0.16	\$ 0.16	\$ 0.12	MARSHFIELD UTILITIES
UW-Richland	\$ 0.17	\$ 0.15	\$ 0.15	\$ 0.18	\$ 0.23	\$ 0.16	\$ 0.19	\$ 0.14	\$ 0.16	\$ 0.13	RICHLAND CENTER UTILITIES
UW-Rock	\$ 0.09	\$ 0.07	\$ 0.07	\$ 0.08	\$ 0.09	\$ 0.09	\$ 0.10	\$ 0.11	\$ 0.12	\$ 0.03	JANESVILLE, CITY OF
UW-Sheboygan	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.02	SHEBOYGAN WATER UTILITY
UW-Washington	\$ 0.05	\$ 0.04	\$ 0.04	\$ 0.04	\$ 0.04	\$ 0.04	\$ 0.04	\$ 0.03	\$ 0.02	\$ 0.02	WEST BEND, CITY OF
UW-Waukesha	\$ 0.08	\$ 0.07	\$ 0.07	\$ 0.07	\$ 0.08	\$ 0.07	\$ 0.10	\$ 0.08	\$ 0.06	\$ 0.08	Waukesha Water Utility
	\$ 0.28	\$ 0.29	\$ 0.30	\$ 0.28	\$ 0.33	\$ 0.33	\$ 0.35	\$ 0.35	\$ 0.30	\$ 0.33	
Heat Mapping \$/GSF - Lowest or best in Green to highest in Red											

FY2020 - FY2022 sum of state facilities water and utility expenditures and water utility data with \$1 million or more annual State Facilities revenue:

Water & Sewer Utility	Sum of 2020 Water & Sewer \$	Sum of 2021 Water & Sewer \$	Sum of 2022 Water & Sewer \$	State Facilities 2022 GSF	2022 \$ per GSF
Madison Water Utility	\$ 8,104,889	\$ 7,424,816	\$ 8,423,878	26,838,643	\$ 0.31
City of Oshkosh Water Utility	\$ 2,917,790	\$ 2,668,006	\$ 2,890,713	5,162,683	\$ 0.56
Milwaukee Water Works	\$ 1,399,032	\$ 1,214,451	\$ 1,479,313	6,804,890	\$ 0.22
Stanley Municipal Waterworks	\$ 1,172,465	\$ 1,163,195	\$ 1,201,847	411,897	\$ 2.92
Village of Allouez Water Department	\$ 1,256,655	\$ 1,167,923	\$ 1,074,129	1,943,574	\$ 0.55
Waupun Public Utilities	\$ 1,459,235	\$ 931,053	\$ 1,066,402	1,260,274	\$ 0.85
City of New Lisbon Electric and Water Utility	\$ 1,173,390	\$ 1,042,874	\$ 1,041,142	316,878	\$ 3.29
Whitewater Municipal Water Utility	\$ 772,679	\$ 785,898	\$ 959,898	3,114,162	\$ 0.31
Racine Water Works Commission	\$ 867,581	\$ 834,495	\$ 832,651	710,055	\$ 1.17
Stevens Point Municipal Water Utility	\$ 447,212	\$ 386,659	\$ 495,266	2,806,271	\$ 0.18
Platteville Water and Sewer Utility	\$ 489,090	\$ 463,969	\$ 474,004	2,134,293	\$ 0.22
Union Grove Municipal Water Utility	\$ 777,473	\$ 416,868	\$ 430,583	1,023,235	\$ 0.42
River Falls Municipal Utility	\$ 449,330	\$ 347,452	\$ 401,356	1,684,447	\$ 0.24
Eau Claire Municipal Water Utility	\$ 371,427	\$ 341,427	\$ 399,435	2,857,663	\$ 0.14
La Crosse Water Utility	\$ 307,956	\$ 296,592	\$ 383,565	3,115,547	\$ 0.12
Superior Water Light And Power Company	\$ 451,484	\$ 372,430	\$ 381,801	1,107,876	\$ 0.34
Village of Somers Water Utility	\$ 413,781	\$ 349,192	\$ 361,652	1,374,576	\$ 0.26
City of Menomonie Water Department	\$ 209,836	\$ 192,976	\$ 304,367	2,456,060	\$ 0.12
Fond Du Lac Water Utility	\$ 405,486	\$ 353,169	\$ 293,308	575,017	\$ 0.51
Mendota Well & MMSD Sewer	\$ 527,462	\$ 322,834	\$ 286,684	1,320,211	\$ 0.22
Redgranite Water Utility	\$ 311,661	\$ 325,785	\$ 285,162	310,135	\$ 0.92
Portage Water Utility	\$ 303,582	\$ 237,827	\$ 221,728	330,807	\$ 0.67
Village of Jackson Water Utility	\$ 200,637	\$ 180,110	\$ 179,077	390,613	\$ 0.46
City of Mauston Municipal Water Utility	\$ 288,803	\$ 161,773	\$ 168,172	308,828	\$ 0.54
Bridgeport Sanitary Dist	\$ 181,950	\$ 199,227	\$ 156,745	383,100	\$ 0.41
Oregon Municipal Water And Sewer Utility	\$ 164,081	\$ 141,223	\$ 142,431	348,153	\$ 0.41
VA King Well & Sewer=Waupaca Chain O Lakes	\$ 228,210	\$ 143,011	\$ 138,876	745,179	\$ 0.19
Chippewa Falls Department of Public Utilities	\$ 128,037	\$ 22,909	\$ 110,888	523,226	\$ 0.21
Boscobel Municipal Utilities	\$ 124,987	\$ 122,723	\$ 108,658	195,000	\$ 0.56
City of Waukesha Water Utility	\$ 45,471	\$ 26,920	\$ 40,207	446,992	\$ 0.09
Janesville Water Utility	\$ 49,465	\$ 45,518	\$ 37,700	387,796	\$ 0.10
Delavan Water and Sewage Commission	\$ 36,710	\$ 17,364	\$ 36,853	244,979	\$ 0.15
Rice Lake Municipal Water and Electric Utility	\$ 12,710	\$ 11,782	\$ 27,115	146,683	\$ 0.18
WAUSAU WATER UTILITY	\$ 23,058	\$ 17,454	\$ 23,935	327,695	\$ 0.07
Wisconsin Rapids Water Works and Lighting Commission	\$ 17,483	\$ 14,058	\$ 22,001	51,552	\$ 0.43
Marshfield Utilities	\$ 24,736	\$ 24,761	\$ 17,730	153,555	\$ 0.12
Ashwaubenon Water And Sewer Utility	\$ 14,053	\$ 12,069	\$ 14,111	40,515	\$ 0.35
Richland Center Water Utility	\$ 15,180	\$ 16,542	\$ 13,391	104,825	\$ 0.13
City of Baraboo Water Utility	\$ 11,995	\$ 10,354	\$ 12,480	179,291	\$ 0.07
Marinette Municipal Water Utility	\$ 13,900	\$ 12,551	\$ 11,580	139,818	\$ 0.08
West Allis Municipal Water Utility	\$ 11,171	\$ 8,162	\$ 8,399	31,980	\$ 0.26
Sheboygan Water Utility	\$ 3,963	\$ 3,470	\$ 4,444	228,544	\$ 0.02
Manitowoc Public Utilities	\$ 4,752	\$ 3,350	\$ 4,101	125,045	\$ 0.03
City of West Bend Water Utility	\$ 5,781	\$ 3,358	\$ 4,081	199,117	\$ 0.02
Menasha Electric and Water Utilities	\$ 8,922	\$ 3,217	\$ 3,904	277,988	\$ 0.01
Tomahawk Municipal Water and Sewer Utility	\$ 4,259	\$ 2,423	\$ 2,933	36,741	\$ 0.08
Own Well & Sewer	\$ -	\$ -	\$ -	1,144,811	\$ -
Grand Total	\$ 26,209,808	\$ 22,844,220	\$ 24,978,699	74,821,220	\$ 0.33

3280 UW-Madison-Madison Water Utility		AB						
	2015	2016	2017	2018	2019	2020	2021	2022
Finished Water pumped or purchased (000s)	9,968,659	9,848,137	9,418,562	9,222,650	8,973,120	8,742,852	8,921,090	9,021,090
Total KWH used by the utility (including pumping or treatment facilities and other utility operations)	19,499,133	20,503,441	20,291,077	19,887,710	18,929,598	19,533,013	20,245,886	19,747,890
KWH per 1000 Gals	1.96	2.08	2.15	2.16	2.11	2.23	2.27	2.19
Fuel or Power Purchased for Pumping	\$ 2,163,722	\$ 2,101,069	\$ 2,164,640	\$ 2,070,053	\$ 1,861,531	\$ 1,811,684	\$ 1,911,631	\$ 2,095,612
Fuel or Power Purchased for Pumping per 1000Gal	\$ 0.2171	\$ 0.2133	\$ 0.2298	\$ 0.2245	\$ 0.2075	\$ 0.2072	\$ 0.2143	\$ 0.2323
Fuel or Power Purchased for Pumping per kwh	\$ 0.1110	\$ 0.1025	\$ 0.1067	\$ 0.1041	\$ 0.0983	\$ 0.0927	\$ 0.0944	\$ 0.1061
WI Utility CO2e Emissions CO2lb/1000 Gal	3.08	3.12	2.98	3.12	2.94	2.75	2.70	2.73
Water Loss as a percentage of net water supplied	12.00%	13.00%	12.00%	12.00%	13.00%	11.00%	14.00%	12.00%
Residential								
Residential Customers	57,563	57,951	58,341	56,700	57,068	57,493	57,885	60,248
Residential 1000 Gals	2,942,225	2,695,315	2,713,945	2,634,319	2,422,501	2,667,672	2,634,059	2,621,165
Residential Amount	11,211,318	12,419,748	12,290,565	12,493,441	17,685,746	20,007,035	21,555,254	21,284,977
Residential Rev \$/1000 Gal	\$ 3.81	\$ 4.61	\$ 4.53	\$ 4.74	\$ 7.30	\$ 7.50	\$ 8.18	\$ 8.12
Commercial								
Commercial Customers	4,847	4,886	4,918	4,955	4,981	5,007	5,036	5,054
Commercial 1000 Gals	1,954,584	1,987,536	1,901,825	1,850,335	1,756,849	1,449,331	1,489,372	1,595,248
Commercial Amount	4,562,907	5,904,990	5,634,529	5,728,589	8,659,149	7,560,569	8,276,635	8,401,264
Commercial Rev \$/1000 Gal	\$ 2.33	\$ 2.97	\$ 2.96	\$ 3.10	\$ 4.93	\$ 5.22	\$ 5.56	\$ 5.27
Industrial								
Industrial Customers	48	47	46	47	50	52	54	58
Industrial 1000 Gals	554,360	412,776	250,351	197,963	205,850	204,834	212,309	196,998
Industrial Amount	959,928	1,059,706	666,621	531,820	843,297	919,679	1,070,622	992,148
Industrial Rev \$/1000 Gal	\$ 1.73	\$ 2.57	\$ 2.66	\$ 2.69	\$ 4.10	\$ 4.49	\$ 5.04	\$ 5.04
Public Authority								
Public Authority Customers	476	478	490	481	475	479	480	482
Public Authority 1000 Gals	1,150,229	1,304,450	1,267,843	1,205,838	1,176,100	1,010,543	993,735	1,156,168
Public Authority Amount	2,848,298	4,502,228	4,397,155	4,357,131	5,971,080	5,286,155	5,357,024	6,123,855
Public Authority Rev \$/1000 Gal	\$ 2.48	\$ 3.45	\$ 3.47	\$ 3.61	\$ 5.08	\$ 5.23	\$ 5.39	\$ 5.30
Multifamily Residential								
Multifamily Residential Customers	4,151	4,171	4,213	4,259	4,320	4,390	4,464	4,489
Multifamily Residential 1000 Gals	1,878,666	1,940,464	1,914,100	1,974,229	1,959,055	2,057,547	2,008,322	2,148,155
Multifamily Residential Amount	4,832,371	5,628,654	5,613,411	5,883,892	8,107,000	8,638,819	9,125,543	9,356,210
Multifamily Residential Rev \$/1000 Gal	\$ 2.57	\$ 2.90	\$ 2.93	\$ 2.98	\$ 4.14	\$ 4.20	\$ 4.54	\$ 4.36
Annual Report Contacts	Name	Address	City	Zip	Phone	Email Address		
Correspond	Kathy Schwenn	119 E Olin Ave	Madison	53713	6082664645	kschwenn@madisonwater.org		

DOC-Green Bay-Village of Allouez Water	70	AB	2015	2016	2017	2018	2019	2020	2021	2022
Finished Water pumped or purchased (000s)			417,362	389,759	380,464	402,567	398,950	399,596	376,839	358,256
Total KWH used by the utility (including pumping or treatment facilities and other utility operations)			122,639	111,037	98,193	102,281	111,629	87,374	90,858	97,711
KWH per 1000 Gals			0.29	0.28	0.26	0.25	0.28	0.22	0.24	0.27
Fuel or Power Purchased for Pumping			\$ 17,376	\$ 12,497	\$ 12,437	\$ 12,831	\$ 14,426	\$ 10,961	\$ 11,540	\$ 13,867
Fuel or Power Purchased for Pumping per 1000Gal			\$ 0.0416	\$ 0.0321	\$ 0.0327	\$ 0.0319	\$ 0.0362	\$ 0.0274	\$ 0.0306	\$ 0.0387
Fuel or Power Purchased for Pumping per kwh			\$ 0.1417	\$ 0.1125	\$ 0.1267	\$ 0.1254	\$ 0.1292	\$ 0.1254	\$ 0.1270	\$ 0.1419
WI Utility CO2e Emissions CO2lb/1000 Gal			0.46	0.43	0.36	0.37	0.39	0.27	0.29	0.34
Water Loss as a percentage of net water supplied			17.00%	13.00%	15.00%	17.00%	20.00%	10.00%	17.00%	19.00%
Residential										
Residential Customers			5,245	5,246	5,255	5,298	5,308	5,314	5,325	5,332
Residential 1000 Gals			222,977	216,658	203,461	208,402	200,044	233,592	210,892	203,587
Residential Amount			1,844,636	2,003,366	1,979,738	1,993,307	1,919,486	2,267,748	2,080,973	2,191,990
Residential Rev \$/1000 Gal			\$ 8.27	\$ 9.25	\$ 9.73	\$ 9.56	\$ 9.60	\$ 9.71	\$ 9.87	\$ 10.77
Commercial										
Commercial Customers			211	212	212	211	213	210	197	193
Commercial 1000 Gals			44,553	45,368	45,058	43,620	44,255	42,403	39,446	38,315
Commercial Amount			316,558	362,596	374,534	362,483	356,477	365,859	342,328	357,124
Commercial Rev \$/1000 Gal			\$ 7.11	\$ 7.99	\$ 8.31	\$ 8.31	\$ 8.06	\$ 8.63	\$ 8.68	\$ 9.32
Industrial										
Industrial Customers										
Industrial 1000 Gals										
Industrial Amount										
Industrial Rev \$/1000 Gal										
Public Authority										
Public Authority Customers			27	27	27	26	26	23	24	24
Public Authority 1000 Gals			68,533	68,265	66,791	71,279	67,704	72,417	54,890	38,576
Public Authority Amount			383,290	462,645	493,866	501,912	473,669	519,466	400,382	314,903
Public Authority Rev \$/1000 Gal			\$ 5.59	\$ 6.78	\$ 7.39	\$ 7.04	\$ 7.00	\$ 7.17	\$ 7.29	\$ 8.16
Multifamily Residential										
Multifamily Residential Customers			15	15	15	15	15	8	17	17
Multifamily Residential 1000 Gals			7,093	7,490	7,605	7,688	7,070	8,046	7,996	9,304
Multifamily Residential Amount			49,190	52,770	61,399	60,877	56,746	66,041	64,080	78,237
Multifamily Residential Rev \$/1000 Gal			\$ 6.94	\$ 7.05	\$ 8.07	\$ 7.92	\$ 8.03	\$ 8.21	\$ 8.01	\$ 8.41
Annual Report Contacts			Name	Address	City	Zip	Phone	Email Address		
Correspond			Julie Beauchamp	1900 Libal Street	Green Bay	54301	9204482800	julieb@villageofallouez.com		

DOC-Milwaukee Secure-Milwaukee Water Works 3720		AB							
		2015	2016	2017	2018	2019	2020	2021	2022
Finished Water pumped or purchased (000s)		35,872,390	35,447,260	34,455,900	35,505,660	33,838,560	32,532,290	33,843,470	34,578,350
Total KWH used by the utility (including pumping or treatment facilities and other utility operations)		64,938,962	63,096,786	63,027,440	62,783,176	58,474,881	60,368,084	63,863,319	64,934,248
KWH per 1000 Gals		1.81	1.78	1.83	1.77	1.73	1.86	1.89	1.88
Fuel or Power Purchased for Pumping		\$ 5,759,906	\$ 5,434,434	\$ 5,398,809	\$ 5,213,418	\$ 4,939,189	\$ 5,109,335	\$ 6,405,633	\$ 6,613,819
Fuel or Power Purchased for Pumping per 1000Gal		\$ 0.1606	\$ 0.1533	\$ 0.1567	\$ 0.1468	\$ 0.1460	\$ 0.1571	\$ 0.1893	\$ 0.1913
Fuel or Power Purchased for Pumping per kwh		\$ 0.0887	\$ 0.0861	\$ 0.0857	\$ 0.0830	\$ 0.0845	\$ 0.0846	\$ 0.1003	\$ 0.1019
WI Utility CO2e Emissions CO2lb/1000 Gal		2.85	2.67	2.53	2.56	2.41	2.29	2.24	2.34
Water Loss as a percentage of net water supplied		21.00%	19.00%	19.00%	22.00%	21.00%	19.00%	22.00%	27.00%
Residential									
Residential Customers		138,114	137,853	137,623	137,449	137,249	137,819	137,846	137,730
Residential 1000 Gals		8,940,387	8,861,336	8,593,075	8,514,139	8,353,325	8,488,858	8,329,328	8,000,284
Residential Amount		32,991,815	33,081,431	33,368,743	34,017,411	33,613,564	35,045,706	34,643,090	33,652,328
Residential Rev \$/1000 Gal		\$ 3.69	\$ 3.73	\$ 3.88	\$ 4.00	\$ 4.02	\$ 4.13	\$ 4.16	\$ 4.21
Commercial									
Commercial Customers		13,857	12,788	12,384	12,383	12,471	12,554	12,600	12,516
Commercial 1000 Gals		7,150,758	5,265,290	4,996,134	4,981,519	4,808,626	4,215,643	4,413,519	4,545,839
Commercial Amount		21,338,115	15,975,104	15,352,237	15,763,742	15,296,846	14,168,060	14,750,967	15,212,359
Commercial Rev \$/1000 Gal		\$ 2.98	\$ 3.03	\$ 3.07	\$ 3.16	\$ 3.18	\$ 3.36	\$ 3.34	\$ 3.35
Industrial									
Industrial Customers		1,384	1,355	1,313	1,295	1,296	1,302	1,291	1,285
Industrial 1000 Gals		3,181,194	3,150,200	3,159,837	3,231,728	2,859,866	2,621,427	2,753,671	2,753,243
Industrial Amount		6,419,166	6,383,048	6,580,248	6,858,015	6,149,943	5,784,785	5,987,677	6,013,544
Industrial Rev \$/1000 Gal		\$ 2.02	\$ 2.03	\$ 2.08	\$ 2.12	\$ 2.15	\$ 2.21	\$ 2.17	\$ 2.18
Public Authority									
Public Authority Customers		1,006	987	922	917	915	920	919	904
Public Authority 1000 Gals		1,737,990	1,747,948	1,696,505	1,621,696	1,529,359	1,414,535	1,430,332	1,407,315
Public Authority Amount		4,154,925	4,313,363	4,276,697	4,175,461	3,995,068	3,734,818	3,763,760	3,801,505
Public Authority Rev \$/1000 Gal		\$ 2.39	\$ 2.47	\$ 2.52	\$ 2.57	\$ 2.61	\$ 2.64	\$ 2.63	\$ 2.70
Multifamily Residential									
Multifamily Residential Customers		7,739	8,823	8,816	8,809	8,777	8,778	8,767	8,762
Multifamily Residential 1000 Gals		853,554	2,743,666	2,942,539	2,902,716	2,857,729	2,913,131	2,868,402	2,819,555
Multifamily Residential Amount		2,565,254	8,375,394	9,102,666	9,257,189	9,207,124	9,641,924	9,507,699	9,358,808
Multifamily Residential Rev \$/1000 Gal		\$ 3.01	\$ 3.05	\$ 3.09	\$ 3.19	\$ 3.22	\$ 3.31	\$ 3.31	\$ 3.32
Annual Report Contacts		Name	Address	City	Zip	Phone	Email Address		
Correspond		Terry Ignatowski	841 N Broadway - Room 409	Milwaukee	53202	4142862927	Terry.M.ignatowski@milwaukee.gov		

5670 DOC-Stanley-Stanley Municipal Waterworks		C						
	2015	2016	2017	2018	2019	2020	2021	2022
Finished Water pumped or purchased (000s)	272,751	296,805	290,430	283,295	294,308	296,464	287,921	300,409
Total KWH used by the utility (including pumping or treatment facilities and other utility operations)	345,452	372,837	378,387	407,524	397,884	388,334	374,949	438,217
KWH per 1000 Gals	1.27	1.26	1.30	1.44	1.35	1.31	1.30	1.46
Fuel or Power Purchased for Pumping	\$ 39,037	\$ 38,198	\$ 45,007	\$ 48,961	\$ 46,562	\$ 41,320	\$ 50,375	\$ 64,267
Fuel or Power Purchased for Pumping per 1000Gal	\$ 0.1431	\$ 0.1287	\$ 0.1550	\$ 0.1728	\$ 0.1582	\$ 0.1394	\$ 0.1750	\$ 0.2139
Fuel or Power Purchased for Pumping per kwh	\$ 0.1130	\$ 0.1025	\$ 0.1189	\$ 0.1201	\$ 0.1170	\$ 0.1064	\$ 0.1344	\$ 0.1467
WI Utility CO2e Emissions CO2lb/1000 Gal	2.00	1.88	1.80	2.08	1.88	1.62	1.55	1.82
Water Loss as a percentage of net water supplied	4.00%	6.00%	6.00%	5.00%	15.00%	11.00%		10.00%
Residential								
Residential Customers	875	771	943	900	877	866	788	787
Residential 1000 Gals	26,756	25,365	25,858	25,257	24,336	26,037	27,075	26,099
Residential Amount	202,050	212,368	224,717	246,441	246,773	252,923	263,559	260,133
Residential Rev \$/1000 Gal	\$ 7.55	\$ 8.37	\$ 8.69	\$ 9.76	\$ 10.14	\$ 9.71	\$ 9.73	\$ 9.97
Commercial								
Commercial Customers	107	100	105	103	101	96	91	88
Commercial 1000 Gals	7,062	6,881	7,056	6,472	6,612	7,272	6,551	6,629
Commercial Amount	46,192	49,041	51,752	49,376	53,753	56,258	51,492	51,457
Commercial Rev \$/1000 Gal	\$ 6.54	\$ 7.13	\$ 7.33	\$ 7.63	\$ 8.13	\$ 7.74	\$ 7.86	\$ 7.76
Industrial								
Industrial Customers	16	17	11	11	9	10	18	18
Industrial 1000 Gals	215,413	228,749	5,210	5,890	5,050	5,213	141,099	134,344
Industrial Amount	888,369	1,016,031	476,120	32,436	30,592	36,060	695,091	662,764
Industrial Rev \$/1000 Gal	\$ 4.12	\$ 4.44	\$ 91.39	\$ 5.51	\$ 6.06	\$ 6.92	\$ 4.93	\$ 4.93
Public Authority								
Public Authority Customers	27	29	37	38	30	29	26	29
Public Authority 1000 Gals	6,582	5,377	224,879	226,366	208,881	219,369	86,121	90,583
Public Authority Amount	33,164	34,252	623,580	1,266,474	1,243,401	1,222,725	598,888	618,754
Public Authority Rev \$/1000 Gal	\$ 5.04	\$ 6.37	\$ 2.77	\$ 5.59	\$ 5.95	\$ 5.57	\$ 6.95	\$ 6.83
Multifamily Residential								
Multifamily Residential Customers	15	15	17	14	14	16	14	17
Multifamily Residential 1000 Gals	4,012	3,543	3,315	3,340	3,569	4,863	4,283	3,486
Multifamily Residential Amount	23,977	22,754	22,961	27,857	32,801	36,163	34,634	30,120
Multifamily Residential Rev \$/1000 Gal	\$ 5.98	\$ 6.42	\$ 6.93	\$ 8.34	\$ 9.19	\$ 7.44	\$ 8.09	\$ 8.64
Annual Report Contacts	Name	Address		City	Zip	Phone	Email Address	
Correspond	Nicole Thiel	P. O Box 155		Stanley	54768	7156445768	clerk@stanleywisconsin.us	

70 DOC-Green Bay-Village of Allouez Water		AB									
		2015	2016	2017	2018	2019	2020	2021	2022		
Finished Water pumped or purchased (000s)		417,362	389,759	380,464	402,567	398,950	399,596	376,839	358,256		
Total KWH used by the utility (including pumping or treatment facilities and other utility operations)		122,639	111,037	98,193	102,281	111,629	87,374	90,858	97,711		
KWH per 1000 Gals		0.29	0.28	0.26	0.25	0.28	0.22	0.24	0.27		
Fuel or Power Purchased for Pumping		\$ 17,376	\$ 12,497	\$ 12,437	\$ 12,831	\$ 14,426	\$ 10,961	\$ 11,540	\$ 13,867		
Fuel or Power Purchased for Pumping per 1000Gal		\$ 0.0416	\$ 0.0321	\$ 0.0327	\$ 0.0319	\$ 0.0362	\$ 0.0274	\$ 0.0306	\$ 0.0387		
Fuel or Power Purchased for Pumping per kwh		\$ 0.1417	\$ 0.1125	\$ 0.1267	\$ 0.1254	\$ 0.1292	\$ 0.1254	\$ 0.1270	\$ 0.1419		
WI Utility CO2e Emissions CO2lb/1000 Gal		0.46	0.43	0.36	0.37	0.39	0.27	0.29	0.34		
Water Loss as a percentage of net water supplied		17.00%	13.00%	15.00%	17.00%	20.00%	10.00%	17.00%	19.00%		
Residential											
Residential Customers		5,245	5,246	5,255	5,298	5,308	5,314	5,325	5,332		
Residential 1000 Gals		222,977	216,658	203,461	208,402	200,044	233,592	210,892	203,587		
Residential Amount		1,844,636	2,003,366	1,979,738	1,993,307	1,919,486	2,267,748	2,080,973	2,191,990		
Residential Rev \$/1000 Gal		\$ 8.27	\$ 9.25	\$ 9.73	\$ 9.56	\$ 9.60	\$ 9.71	\$ 9.87	\$ 10.77		
Commercial											
Commercial Customers		211	212	212	211	213	210	197	193		
Commercial 1000 Gals		44,553	45,368	45,058	43,620	44,255	42,403	39,446	38,315		
Commercial Amount		316,558	362,596	374,534	362,483	356,477	365,859	342,328	357,124		
Commercial Rev \$/1000 Gal		\$ 7.11	\$ 7.99	\$ 8.31	\$ 8.31	\$ 8.06	\$ 8.63	\$ 8.68	\$ 9.32		
Industrial											
Industrial Customers											
Industrial 1000 Gals											
Industrial Amount											
Industrial Rev \$/1000 Gal											
Public Authority											
Public Authority Customers		27	27	27	26	26	23	24	24		
Public Authority 1000 Gals		68,533	68,265	66,791	71,279	67,704	72,417	54,890	38,576		
Public Authority Amount		383,290	462,645	493,866	501,912	473,669	519,466	400,382	314,903		
Public Authority Rev \$/1000 Gal		\$ 5.59	\$ 6.78	\$ 7.39	\$ 7.04	\$ 7.00	\$ 7.17	\$ 7.29	\$ 8.16		
Multifamily Residential											
Multifamily Residential Customers		15	15	15	15	15	8	17	17		
Multifamily Residential 1000 Gals		7,093	7,490	7,605	7,688	7,070	8,046	7,996	9,304		
Multifamily Residential Amount		49,190	52,770	61,399	60,877	56,746	66,041	64,080	78,237		
Multifamily Residential Rev \$/1000 Gal		\$ 6.94	\$ 7.05	\$ 8.07	\$ 7.92	\$ 8.03	\$ 8.21	\$ 8.01	\$ 8.41		
Annual Report Contacts		Name	Address		City	Zip	Phone	Email Address			
Correspond		Julie Beauchamp	1900 Libal Street		Green Bay	54301	9204482800	julieb@villageofallouez.com			

6290 DOC-Waupun-Waupun Public Utilities		AB							
		2015	2016	2017	2018	2019	2020	2021	2022
Finished Water pumped or purchased (000s)		273,668	253,283	237,620	251,768	236,179	196,571	177,978	189,180
Total KWH used by the utility (including pumping or treatment facilities and other utility operations)		1,497,938	1,330,211	1,296,612	1,369,580	1,264,158	1,096,701	998,977	1,068,474
KWH per 1000 Gals		5.47	5.25	5.46	5.44	5.35	5.58	5.61	5.65
Fuel or Power Purchased for Pumping		\$ 93,186	\$ 83,551	\$ 85,070	\$ 93,540	\$ 87,127	\$ 79,429	\$ 79,203	\$ 89,708
Fuel or Power Purchased for Pumping per 1000Gal		\$ 0.3405	\$ 0.3299	\$ 0.3580	\$ 0.3715	\$ 0.3689	\$ 0.4041	\$ 0.4450	\$ 0.4742
Fuel or Power Purchased for Pumping per kwh		\$ 0.0622	\$ 0.0628	\$ 0.0656	\$ 0.0683	\$ 0.0689	\$ 0.0724	\$ 0.0793	\$ 0.0840
WI Utility CO2e Emissions CO2lb/1000 Gal		8.63	7.87	7.56	7.88	7.46	6.88	6.67	7.04
Water Loss as a percentage of net water supplied		36.00%	32.00%	15.00%	31.00%	24.00%	12.00%	4.00%	4.00%
Residential									
Residential Customers		2,964	2,964	2,971	2,977	2,990	3,007	3,021	3,031
Residential 1000 Gals		99,439	98,923	98,404	99,180	102,175	102,659	100,592	98,254
Residential Amount		1,194,821	1,190,794	1,187,710	1,196,513	1,221,023	1,227,399	1,215,021	1,200,343
Residential Rev \$/1000 Gal		\$ 12.02	\$ 12.04	\$ 12.07	\$ 12.06	\$ 11.95	\$ 11.96	\$ 12.08	\$ 12.22
Commercial									
Commercial Customers		285	283	285	272	270	268	269	268
Commercial 1000 Gals		18,728	18,920	18,691	24,291	25,909	23,601	24,848	27,657
Commercial Amount		185,111	185,733	185,212	214,867	225,191	208,399	218,667	235,895
Commercial Rev \$/1000 Gal		\$ 9.88	\$ 9.82	\$ 9.91	\$ 8.85	\$ 8.69	\$ 8.83	\$ 8.80	\$ 8.53
Industrial									
Industrial Customers		13	13	13	10	10	10	10	10
Industrial 1000 Gals		18,706	20,435	18,526	11,767	13,448	12,851	11,263	18,570
Industrial Amount		117,244	125,579	115,871	75,482	83,933	80,661	71,390	107,977
Industrial Rev \$/1000 Gal		\$ 6.27	\$ 6.15	\$ 6.25	\$ 6.41	\$ 6.24	\$ 6.28	\$ 6.34	\$ 5.81
Public Authority									
Public Authority Customers		19	19	18	35	37	37	37	37
Public Authority 1000 Gals		4,337	4,254	4,357	5,583	5,785	3,708	4,714	5,232
Public Authority Amount		40,038	38,684	37,337	50,347	51,666	38,722	45,092	48,496
Public Authority Rev \$/1000 Gal		\$ 9.23	\$ 9.09	\$ 8.57	\$ 9.02	\$ 8.93	\$ 10.44	\$ 9.57	\$ 9.27
Multifamily Residential									
Multifamily Residential Customers		76	76	76	76	77	78	80	85
Multifamily Residential 1000 Gals		22,247	21,042	21,941	22,482	20,450	21,459	22,189	23,009
Multifamily Residential Amount		178,074	170,400	175,994	180,382	166,696	177,225	179,919	186,193
Multifamily Residential Rev \$/1000 Gal		\$ 8.00	\$ 8.10	\$ 8.02	\$ 8.02	\$ 8.15	\$ 8.26	\$ 8.11	\$ 8.09
Annual Report Contacts	Name	Address		City	Zip	Phone	Email Address		
Correspond	Jeff Stanek	817 South Madison Street		Waupun	53963	9203247920	jstanek@waupunutilities.org		

DOC-New Lisbon-City of New Lisbon Electric and 4120		C						
	2015	2016	2017	2018	2019	2020	2021	2022
Finished Water pumped or purchased (000s)	77,824	77,485	78,558	84,167	80,633	76,994	76,745	74,631
Total KWH used by the utility (including pumping or treatment facilities and other utility operations)	114,245	116,259	129,894	145,113	132,846	132,846	119,353	117,194
KWH per 1000 Gals	1.47	1.50	1.65	1.72	1.65	1.73	1.56	1.57
Fuel or Power Purchased for Pumping	\$ 13,035	\$ 12,946	\$ 12,659	\$ 14,935	\$ 12,350	\$ 14,220	\$ 13,194	\$ 15,684
Fuel or Power Purchased for Pumping per 1000Gal	\$ 0.1675	\$ 0.1671	\$ 0.1611	\$ 0.1774	\$ 0.1532	\$ 0.1847	\$ 0.1719	\$ 0.2102
Fuel or Power Purchased for Pumping per kwh	\$ 0.1141	\$ 0.1114	\$ 0.0975	\$ 0.1029	\$ 0.0930	\$ 0.1070	\$ 0.1105	\$ 0.1338
WI Utility CO2e Emissions CO2lb/1000 Gal	2.32	2.25	2.29	2.50	2.30	2.13	1.85	1.96
Water Loss as a percentage of net water supplied	4.00%	5.00%	1.00%	1.00%	3.00%	4.00%	6.00%	6.00%
Residential								
Residential Customers	449	442	436	436	456	458	462	466
Residential 1000 Gals	14,821	14,900	14,752	15,673	14,861	15,205	14,640	14,613
Residential Amount	131,846	136,944	155,210	165,331	161,277	167,534	164,100	165,247
Residential Rev \$/1000 Gal	\$ 8.90	\$ 9.19	\$ 10.52	\$ 10.55	\$ 10.85	\$ 11.02	\$ 11.21	\$ 11.31
Commercial								
Commercial Customers	67	68	66	66	64	73	66	65
Commercial 1000 Gals	12,627	12,050	12,277	13,071	11,832	10,626	11,626	11,155
Commercial Amount	160,282	67,516	80,758	88,713	80,691	74,444	80,665	78,580
Commercial Rev \$/1000 Gal	\$ 12.69	\$ 5.60	\$ 6.58	\$ 6.79	\$ 6.82	\$ 7.01	\$ 6.94	\$ 7.04
Industrial								
Industrial Customers	17	17	17	17	17	19	19	17
Industrial 1000 Gals	4,902	4,175	4,211	4,224	3,549	2,209	3,372	2,698
Industrial Amount	25,926	23,647	27,817	29,413	25,697	18,108	24,249	21,044
Industrial Rev \$/1000 Gal	\$ 5.29	\$ 5.66	\$ 6.61	\$ 6.96	\$ 7.24	\$ 8.20	\$ 7.19	\$ 7.80
Public Authority								
Public Authority Customers	23	23	22	23	24	28	24	24
Public Authority 1000 Gals	35,391	34,990	36,682	37,935	37,045	38,333	35,588	34,987
Public Authority Amount	17,366	115,602	177,878	201,452	197,056	204,244	190,898	187,862
Public Authority Rev \$/1000 Gal	\$ 0.49	\$ 3.30	\$ 4.85	\$ 5.31	\$ 5.32	\$ 5.33	\$ 5.36	\$ 5.37
Multifamily Residential								
Multifamily Residential Customers	18	18	18	18	18	18	18	18
Multifamily Residential 1000 Gals	6,187	6,257	6,948	8,041	7,680	5,999	6,605	5,050
Multifamily Residential Amount	32,582	34,216	43,040	50,874	48,943	40,412	43,073	35,527
Multifamily Residential Rev \$/1000 Gal	\$ 5.27	\$ 5.47	\$ 6.19	\$ 6.33	\$ 6.37	\$ 6.74	\$ 6.52	\$ 7.04
Annual Report Contacts	Name	Address		City	Zip	Phone	Email Address	
Correspond	JENNIE WILHORN	232 WEST PLEASANT STREET		NEW LISBON	53950	6085623103	NLUTIL2@MMWT.NET	