

Water Utility

Agency Overview

Agency Mission

The mission of the Madison Water Utility is to provide the essential supply of water for consumption and fire protection via quality service and price, for present and future generations.

Agency Overview

The Agency seeks to maintain the City's water utility network by replacing and rehabilitating new and existing infrastructure.

2019 Budget Highlights

The 2019 Executive Budget:

- Anticipates a 30% rate increase or \$7 per month for the average residential customer. The most recent water rate increase occurred in 2015. The Water Utility anticipates completing rate increase submissions on an annual basis starting in 2019.
- Reduces machinery and equipment purchases to align with necessary asset replacements in 2019 (\$511,000).
- Reflects the City's cost allocation model that was developed in 2018. The goal of this methodology is to accurately and consistently allocate central service costs to enterprise agencies receiving services. Charges associated with cost allocation are reflected in the inter-departmental charges & billing major expenditure categories shown in the Line Item Detail section of the agency's budget. Reference the Executive Summary for a full explanation of the methodology, the allocation basis, and summary of allocated costs.

Water Utility

Function: Public Works & Transportation

Budget by Service (All Funds)

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Revenue					
Water Supply	(39,573,998)	(42,375,000)	(41,896,882)	(45,886,000)	(45,886,000)
Total Revenue	\$ (39,573,998)	\$ (42,375,000)	\$ (41,896,882)	\$ (45,886,000)	\$ (45,886,000)
Expense					
Water Supply	39,573,998	42,375,000	41,896,882	45,886,000	45,886,000
Total Expense	\$ 39,573,998	\$ 42,375,000	\$ 41,896,882	\$ 45,886,000	\$ 45,886,000
Net General Fund	\$ -	\$ -	\$ -	\$ -	\$ -

Budget by Fund & Major

Fund: Water Utility

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Revenue					
Intergovernmental Revenues	(33,650,639)	(41,640,000)	(33,139,008)	(44,935,000)	(44,935,000)
Charges for Services	(1,196,840)	(310,000)	(280,000)	(281,000)	(281,000)
Fine Forfeiture Assessments	(844,298)	-	-	-	-
Investments & Contributions	(349,292)	(200,000)	(137,781)	(270,000)	(270,000)
Misc Revenue	(310,398)	(225,000)	(236,727)	(400,000)	(400,000)
Other Finance Source	(3,222,531)	-	(8,103,366)	-	-
Total Revenue	\$ (39,573,998)	\$ (42,375,000)	\$ (41,896,882)	\$ (45,886,000)	\$ (45,886,000)
Expense					
Salaries	8,509,851	8,984,519	8,901,807	9,265,590	9,373,464
Benefits	3,602,148	3,064,013	3,085,375	3,196,365	3,067,867
Supplies	2,615,767	2,912,000	3,051,234	2,516,350	2,516,350
Purchased Services	6,440,234	5,692,500	5,151,931	5,549,950	5,549,950
Debt & Other Financing	13,400,078	23,879,690	23,864,256	27,690,073	27,428,470
Inter Departmental Charges	751,316	605,424	605,424	584,172	866,399
Inter Departmental Billing	(2,669,323)	(2,763,146)	(2,763,146)	(2,916,500)	(2,916,500)
Transfer Out	6,923,928	-	-	-	-
Total Expense	\$ 39,573,998	\$ 42,375,000	\$ 41,896,882	\$ 45,886,000	\$ 45,886,000
Net General Fund	\$ -	\$ -	\$ -	\$ -	\$ -

Water Utility

Function: Public Works & Transportation

Service Overview

Service: Water Supply

Service Description

This service provides approximately 10 billion gallons of water per year for more than 68,000 customers throughout Madison through the operation of 23 wells and 875 miles of water mains. The goal of the service is to maintain and upgrade the water supply system to provide the best quality water service for all customers in the City.

2019 Planned Activities

- Maintain the existing level of service by continuing the unidirectional flushing program to improve water quality.
- Continue scheduled maintenance of the main distribution system and assets in accordance with the Water Utility's asset management plan.

Service Budget by Account Type

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Revenue	(39,573,998)	(42,375,000)	(41,896,882)	(45,886,000)	(45,886,000)
Expense	39,573,998	42,375,000	41,896,882	45,886,000	45,886,000
Net Service Budget	\$ -	\$ -	\$ -	\$ -	\$ -

Water Utility

Function: Public Works & Transportation

Line Item Detail

Agency Primary Fund: Water Utility

Intergovernmental Revenues

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Federal Revenues Operating	(143,931)	(140,000)	(139,008)	(135,000)	(135,000)
Payment for Muni Service	(33,506,709)	(41,500,000)	(33,000,000)	(44,800,000)	(44,800,000)
TOTAL	\$ (33,650,639)	\$ (41,640,000)	\$ (33,139,008)	\$ (44,935,000)	\$ (44,935,000)

Charges for Service

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Facility Rental	(279,431)	(310,000)	(280,000)	(281,000)	(281,000)
Utility Fee	(917,409)	-	-	-	-
TOTAL	\$ (1,196,840)	\$ (310,000)	\$ (280,000)	\$ (281,000)	\$ (281,000)

Fine Forfeiture & Assessments

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Spec Assessments Service	(844,298)	-	-	-	-
TOTAL	\$ (844,298)	\$ -	\$ -	\$ -	\$ -

Investments & Contributions

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Interest	(379,843)	(200,000)	(137,781)	(270,000)	(270,000)
Net (Increase) Decr Fmv Invest	30,551	-	-	-	-
TOTAL	\$ (349,292)	\$ (200,000)	\$ (137,781)	\$ (270,000)	\$ (270,000)

Misc Revenue

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Insurance Recoveries	(21,947)	-	-	-	-
Miscellaneous Revenue	(288,450)	(225,000)	(236,727)	(400,000)	(400,000)
TOTAL	\$ (310,398)	\$ (225,000)	\$ (236,727)	\$ (400,000)	\$ (400,000)

Other Finance Sources

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Sale Of Assets	(29,817)	-	(37,156)	-	-
Trade In Allowance	(56,900)	-	(15,000)	-	-
Revenue Bond Allocated	(3,259)	-	-	-	-
Fund Balance Applied	(3,132,555)	-	(8,051,210)	-	-
TOTAL	\$ (3,222,531)	\$ -	\$ (8,103,366)	\$ -	\$ -

Salaries

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Permanent Wages	7,712,982	8,709,519	8,306,049	8,793,290	8,901,164
Salary Savings	-	(440,000)	-	(440,000)	(440,000)
Pending Personnel	-	-	-	94,700	94,700
Premium Pay	22,692	30,000	24,578	30,000	30,000
Workers Compensation Wages	4,314	35,000	12,597	35,000	35,000
Compensated Absence	153,407	-	100,000	109,000	109,000
Hourly Wages	185,221	300,000	96,925	242,600	242,600
Overtime Wages Permanent	415,895	340,000	357,166	390,000	390,000
Overtime Wages Hourly	14,803	10,000	4,222	11,000	11,000
Election Officials Wages	536	-	270	-	-
TOTAL	\$ 8,509,851	\$ 8,984,519	\$ 8,901,807	\$ 9,265,590	\$ 9,373,464

Water Utility

Function: Public Works & Transportation

Line Item Detail

Agency Primary Fund: Water Utility

Benefits

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Comp Absence Escrow	150,273	90,000	150,000	200,000	200,000
Unemployment Benefits	7,182	-	10,277	-	-
Health Insurance Benefit	1,509,191	1,631,838	1,602,319	1,646,418	1,522,431
Wage Insurance Benefit	25,423	25,123	27,264	26,922	26,194
WRS	560,951	583,544	575,691	589,149	583,035
FICA Medicare Benefits	626,649	655,508	651,555	665,876	665,997
Tuition	-	10,000	-	-	-
Licenses & Certifications	892	-	900	-	-
Post Employment Health Plans	68,023	68,000	67,369	68,000	70,210
Other Post Emplmnt Benefit	136,946	-	-	-	-
Pension Expense	516,618	-	-	-	-
TOTAL	\$ 3,602,148	\$ 3,064,013	\$ 3,085,375	\$ 3,196,365	\$ 3,067,867

Supplies

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Office Supplies	12,924	10,000	9,346	10,000	10,000
Copy Printing Supplies	3,026	3,500	3,200	2,500	2,500
Furniture	5,259	-	1,618	2,500	2,500
Hardware Supplies	30,203	75,000	35,000	75,000	75,000
Software Lic & Supplies	5,464	63,000	11,915	128,700	128,700
Postage	305,141	340,000	340,000	320,000	320,000
Program Supplies	2,011	-	11,200	10,500	10,500
Books & Subscriptions	356	1,000	636	500	500
Work Supplies	883,953	800,000	800,000	900,000	900,000
Asphalt Repair Materials	49,752	65,000	81,477	65,000	65,000
Janitorial Supplies	22,121	12,000	22,000	22,500	22,500
Lab And Photo Supplies	12,332	21,000	13,641	16,200	16,200
Safety Supplies	27,068	40,000	35,000	31,200	31,200
Snow Removal Supplies	(825)	-	-	-	-
Uniform Clothing Supplies	8,022	10,000	9,000	10,750	10,750
Food And Beverage	156	-	-	-	-
Building	28,754	5,000	25,000	5,000	5,000
Building Supplies	9,037	5,000	10,000	25,000	25,000
Electrical Supplies	13,493	7,500	13,856	15,000	15,000
HVAC Supplies	17,208	10,000	17,000	12,000	12,000
Plumbing Supplies	21,217	10,000	22,000	20,000	20,000
Landscaping Supplies	4,374	3,000	4,500	5,000	5,000
Fertilizers And Chemicals	163,394	165,000	182,517	162,000	162,000
Machinery And Equipment	719,981	859,000	923,746	348,000	348,000
Equipment Supplies	181,010	200,000	185,001	144,000	144,000
Tires	24,766	30,000	30,000	25,000	25,000
Gasoline	33,224	110,000	153,919	75,000	75,000
Diesel	23,298	60,000	100,462	75,000	75,000
Oil	6,409	5,000	6,500	7,000	7,000
Lubricants	2,641	2,000	2,700	3,000	3,000
TOTAL	\$ 2,615,767	\$ 2,912,000	\$ 3,051,234	\$ 2,516,350	\$ 2,516,350

Water Utility

Function: Public Works & Transportation

Line Item Detail

Agency Primary Fund: Water Utility

Purchased Services

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Natural Gas	39,368	63,000	52,993	75,000	75,000
Electricity	2,393,237	2,600,000	2,499,318	2,500,000	2,500,000
Stormwater	45,058	42,000	43,000	45,000	45,000
Steam	107,525	125,000	110,000	-	-
Telephone	18,333	20,000	17,486	20,000	20,000
Cellular Telephone	12,204	18,000	21,911	41,750	41,750
Television	1,148	1,500	1,488	1,500	1,500
Systems Comm Internet	-	-	443	-	-
Building Improv Repair Maint	1,637,126	48,500	79,823	385,000	385,000
Waste Disposal	188	500	275	500	500
Fire Protection	-	-	7,109	4,000	4,000
Pest Control	650	1,500	956	1,400	1,400
Custodial Bldg Use Charges	-	5,000	-	-	-
Landfill	2,250	2,000	2,500	2,500	2,500
Grounds Improv Repair Maint	2,119	5,000	2,500	2,500	2,500
Landscaping	-	2,500	1,500	1,000	1,000
Office Equipment Repair	174	250	600	250	250
Comm Device Mntc	-	-	1,705	-	-
Equipment Mntc	69,680	40,000	60,936	80,000	80,000
System & Software Mntc	291,542	375,000	306,913	284,400	284,400
Vehicle Repair & Mntc	24,907	25,000	28,508	35,000	35,000
Rental Of Equipment	9,249	10,000	14,559	15,000	15,000
Street Mntc	392,098	440,000	539,473	400,000	400,000
Sidewalk Mntc	124,130	120,000	120,000	125,000	125,000
Plant In Service Mntc	-	-	1,618	-	-
Recruitment	843	250	806	-	-
Mileage	1,846	2,500	1,800	2,000	2,000
Conferences & Training	68,084	160,000	65,000	70,000	70,000
Memberships	43,327	40,000	43,631	43,900	43,900
Uniform Laundry	3,156	4,000	3,685	8,000	8,000
Audit Services	11,000	16,000	14,603	14,000	14,000
Bank Services	52,350	61,000	55,000	60,000	60,000
Credit Card Services	135,749	25,000	35,000	5,000	5,000
Delivery Freight Charges	845	1,000	1,860	1,000	1,000
Mortgage & Title Services	300	-	200	-	-
Consulting Services	273,520	650,000	272,440	189,500	189,500
Advertising Services	7,226	20,000	7,500	10,000	10,000
Printing Services	122,334	140,000	132,092	167,500	167,500
Inspection Services	436	1,000	4,942	6,000	6,000
Locating Marking Services	18,381	18,000	18,381	20,000	20,000
Lab Services	82,827	130,000	93,718	114,000	114,000
Parking Towing Services	1,465	1,500	1,500	1,500	1,500
Security Services	5,622	-	8,503	10,000	10,000
Other Services & Expenses	358,749	300,000	385,656	477,750	477,750
Grants	23,180	115,000	30,000	250,000	250,000
Taxes & Special Assessments	-	2,500	-	-	-
Permits & Licenses	58,010	60,000	60,000	80,000	80,000
TOTAL	\$ 6,440,234	\$ 5,692,500	\$ 5,151,931	\$ 5,549,950	\$ 5,549,950

Water Utility

Function: Public Works & Transportation

Line Item Detail

Agency Primary Fund: Water Utility

Debt & Other Financing

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Principal	6,660,000	9,055,000	9,055,000	11,007,025	11,007,025
Interest	6,736,153	7,300,000	7,300,000	8,036,036	8,036,036
Bond Notes Issuance Services	-	140,000	140,000	-	-
Paying Agent Services	3,925	5,000	5,000	5,000	5,000
PILOT	-	7,364,256	7,364,256	7,502,887	7,502,887
Fund Balance Generated	-	15,434	-	1,139,125	877,522
TOTAL	\$ 13,400,078	\$ 23,879,690	\$ 23,864,256	\$ 27,690,073	\$ 27,428,470

Inter-Departmental Charges

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
ID Charge From GF	-	-	-	-	6,346
ID Charge From Attorney	-	-	-	-	14,548
ID Charge From Clerk	-	-	-	-	565
ID Charge From Finance	-	-	-	-	146,845
ID Charge From Human Resource	55,842	58,867	58,867	58,867	60,296
ID Charge From Information Tec	111,504	119,700	119,700	119,700	145,761
ID Charge From Treasurer	-	-	-	-	23,462
ID Charge From Engineering	-	-	-	-	5,910
ID Charge From Fleet Services	100,264	49,386	49,386	36,000	36,000
ID Charge From Traffic Eng	6,681	20,000	20,000	20,000	17,509
ID Charge From Econ Dev	-	-	-	-	799
ID Charge From Insurance	119,370	123,223	123,223	149,505	149,505
ID Charge From Workers Comp	357,655	234,248	234,248	200,100	200,100
TOTAL	\$ 751,316	\$ 605,424	\$ 605,424	\$ 584,172	\$ 807,646

Inter-Departmental Billings

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
ID Billing To Landfill	(13,579)	-	-	-	(10,000)
ID Billing To Parks	(55,381)	(63,180)	(63,180)	(66,500)	(66,500)
ID Billing To Sewer	(2,318,016)	(2,419,396)	(2,419,396)	(2,550,000)	(2,540,000)
ID Billing To Stormwater	(282,347)	(280,570)	(280,570)	(300,000)	(300,000)
TOTAL	\$ (2,669,323)	\$ (2,763,146)	\$ (2,763,146)	\$ (2,916,500)	\$ (2,916,500)

Transfer Out

	2017 Actual	2018 Adopted	2018 Projected	2019 Request	2019 Executive
Transfer Out To General	6,923,928	-	-	-	-
TOTAL	\$ 6,923,928	\$ -	\$ -	\$ -	\$ -

Water Utility

Function: Public Works & Transportation

Position Summary

	CG	2018 Budget		2019 Request		2019 Executive	
		FTEs	Amount	FTEs	Amount	FTEs	Amount
ACCOUNTANT	18	2.00	168,008	2.00	170,680	2.00	176,227
ADMIN CLERK	20	7.00	370,151	7.00	376,448	7.00	388,683
ASSET MGR	18	1.00	80,753	1.00	83,495	1.00	86,209
AUTO MECH	16	2.00	108,448	2.00	116,365	2.00	120,147
CIVIL TECH	16	6.00	385,560	6.00	405,193	6.00	418,362
COMP MAP/GIS COORD	18	1.00	94,610	1.00	95,905	1.00	99,022
CROSS CONNECT CTRL INSPEC	16	3.00	217,870	3.00	218,708	3.00	225,816
CTRL SYS PROG	18	1.00	88,678	1.00	89,019	1.00	91,912
CUSTOMER SERVICE MGR	18	1.00	61,900	1.00	62,138	1.00	64,157
DISPATCHER	16	1.00	59,080	1.00	59,215	1.00	61,139
ELECTRICIAN FOREPERS	71	1.00	82,343	1.00	82,660	1.00	85,346
ELECTRONIC MTN TECH	16	1.00	71,572	1.00	71,847	1.00	74,182
ENGINEER	18	4.00	325,402	4.00	337,341	4.00	348,305
ENGR AIDE	16	1.00	59,085	1.00	59,226	1.00	61,151
ENGR PROG SPEC	16	1.00	67,788	1.00	69,814	1.00	72,083
EQPT OPR	16	18.00	1,019,779	18.00	1,021,181	18.00	1,054,369
FIELD SERV LDWKR	16	2.00	122,975	2.00	135,990	2.00	140,409
FIELD SERV REP	16	5.00	302,803	5.00	271,086	5.00	279,896
FIELD SERVICE ANALYST	16	3.00	190,021	3.00	195,221	3.00	201,566
FIN OPER LDWKR	20	1.00	59,843	1.00	60,073	1.00	62,025
MAINT MECH	16	5.00	320,684	5.00	320,269	5.00	330,678
MAINT WORKER	16	2.00	99,824	2.00	112,683	2.00	116,345
MASTER MECHANIC	16	1.00	70,261	1.00	70,532	1.00	72,824
OPERATIONS CLERK	16	1.00	57,365	1.00	57,585	1.00	59,457
PAINTER	71	1.00	59,173	1.00	59,319	1.00	61,246
PRINICPAL ENGR WATER	18	1.00	117,915	1.00	118,006	1.00	121,841
PROG ASST	20	2.00	110,814	2.00	113,349	2.00	117,033
PUB WKS GEN FORE	18	3.00	227,774	3.00	235,412	3.00	243,063
PUB WKS GEN SUPV	18	1.00	89,636	1.00	89,980	1.00	92,905
PUB WKS LEADWKR	16	1.00	62,046	1.00	51,509	1.00	53,183
PUB WKS MAINT WKR	16	17.00	922,993	17.00	927,005	17.00	957,132
SURVEYOR	18	1.00	73,454	1.00	75,211	1.00	77,655
WATER COMM OUTREACH SPE	18	1.00	65,402	1.00	65,866	1.00	68,007
WATER CONSTR SUPV	18	1.00	78,393	1.00	79,724	1.00	82,315
WATER HYDRANT INSPEC	16	3.00	187,846	3.00	176,083	3.00	181,806
WATER ONE CALL COORD	16	3.00	183,121	3.00	183,825	3.00	189,799
WATER QUAL SAMPLER	16	2.00	113,334	2.00	109,374	2.00	112,929
WATER QUALITY MGR	18	1.00	103,047	1.00	104,588	1.00	107,987
WATER SUPPLY MGR	18	1.00	108,880	1.00	109,299	1.00	112,851
WATER UTIL ACCT/COMP SPEC	20	1.00	57,785	1.00	59,861	1.00	61,806

Water Utility

Function: Public Works & Transportation

Position Summary

	CG	2018 Budget		Request		2019 Executive	
		FTEs	Amount	FTEs	Amount	FTEs	Amount
WATER UTIL FIN MGR	18	1.00	114,097	1.00	114,535	1.00	118,258
WATER UTIL GEN MGR	21	1.00	142,241	1.00	145,644	1.00	150,377
WATER UTIL MAINT SUPV	18	1.00	88,434	1.00	93,363	1.00	96,397
WATER UTIL OPR LDWKR	16	5.00	340,068	5.00	344,418	5.00	355,611
WATER UTIL OPR MGR	18	1.00	114,097	1.00	114,535	1.00	118,258
WATER UTIL PUB INFO	18	1.00	75,657	1.00	83,495	1.00	86,209
WATERWKS OPR	16	9.00	572,870	9.00	575,779	9.00	594,491
TOTAL		130.00	\$ 8,493,879	130.00	\$ 8,572,854	130.00	\$ 8,851,472

Salary amounts recorded on this page are for total budgeted salaries; this amount may differ from budgeted permanent wages as presented in the Line Item Detail due to payroll allocations to other funding sources (capital projects, grants, etc.) or inter-agency services are not reflected in this summary page.