



COUNCIL BUDGET STAFF REPORT

CITY COUNCIL of SALT LAKE CITY

council.slcgov.com/budget

TO: City Council Members

FROM: Sam Owen, Constituent Liaison / Policy Analyst

DATE: May 8, 2018

RE: FISCAL YEAR 2018-19 BUDGET,
Metropolitan Water District of Salt Lake & Sandy

Item Schedule:

Briefing: May 8, 2018

Public Hearing: N/A

Potential Action: N/A

ISSUE AT-A-GLANCE

The Metropolitan Water District of Salt Lake & Sandy (the "District") was created in 1935 by the voters of Salt Lake City in order to provide for additional water management and treatment options from sources within and beyond the Salt Lake Valley. The District treats and conveys water from the Provo River system and the Central Utah Project, which draw from sources such as the Strawberry Reservoir and Provo and Weber Rivers, among many others. (For more history, see Attachment 1.)

The Council reviews the District budget, but does not formally adopt it. The Council is responsible for the appointment of five of the District's seven-member Board of Trustees.

The District is funded primarily through the water sales to its Member Cities (Salt Lake and Sandy) and other surplus customers, collection of property taxes from Member City residents, and capital assessments paid by each member city toward costs related to master planned capital improvements. Salt Lake City's water purchases account for 73% of the District's water sales to Member Cities and are expected to total an available 48,298 acre feet for 2019.

The District's expenditures go for operations and maintenance costs within their own system, debt service, capital assessments, as well as water purchases, conveyance, and operations and maintenance for the Provo River Water Users Association, the Central Utah Water Conservancy District (CUWCD) and Central Utah Project (CUP), and the Jordan Valley Water Conservancy District. These relationships allow the district to collect, treat, store and convey water resources throughout the Salt Lake Valley.

Highlights of the proposed budget:

- Increase of 3% to the revenues from water sales. This is paid by water customers via Salt Lake City Public Utilities and Sandy City Public Utilities. Any water sales revenues collected from sales of surplus water to outside entities will be placed in reserves.
- No increase is proposed for member cities' property tax rates.
- October 2018 completion of the Terminal Reservoir Replacement Project; remaining elements include landscaping and security measures. Located at 3300 South and I-215, the Terminal Reservoir



Replacement has been a multi-year, \$42.2 million project. The reservoir was more than 64 years old and is a key water storage facility for Salt Lake City.

- A 4% merit-based salary increases for employees is proposed.

POLICY QUESTIONS

1. The Central Utah Water Conservancy District is an interlocal entity organized for conveyance, treatment, storage, and capital needs related to water obtained through the Central Utah Project. The Central Utah Project is a decades-long initiative, originating from the United States Bureau of Reclamation, meant to collect and convey water resources from eastern and central Utah to users along and west of the Wasatch Front. The CUWCD Board is comprised of elected officials representing ten counties including Salt Lake. Five appointments from Salt Lake County currently sit on the 18-member Board.

The District contracts with CUWCD to obtain water resources from the CUP that are necessary for ongoing water service to Salt Lake Valley customers, especially in light of anticipated new growth in the City alone.

CUWCD makes decisions about the timing and scope of infrastructure replacement and maintenance within their system that ultimately impact City ratepayers in the form of charges passed from CUWCD to the District, onto the City's Water Utility and ultimately to the "end users," City residents. Water supplies from CUWCD are accompanied by significantly higher costs than supplies from other providers. However, to supply and service new growth in Salt Lake City these resources, such as "new" water from the CUP's Utah Lake System starting in 2021, may be necessary.

In the future, the Council may wish to explore working with Salt Lake area representatives on the CUWCD Board to encourage exploration of budgetary and policy measures that would continue to address infrastructure and service needs, and would also account and help plan for balanced and equitable impacts to City ratepayers in terms of ongoing costs.

2. The District sometimes conveys water to non-member entities in the form of wholesale, "surplus" water rentals. The Council may wish to learn more about how these conveyance arrangements could impact Member Cities' contributions to the District in the longer-term; if supplies continue to be available to service these water rentals, could Member Cities expect a proportionate attenuation of annual costs?
 - a. Do service of these water rentals or other such arrangements open the District to vulnerability in light of recent attention on these matters?
3. Sandy City appoints two members to the District Board and Salt Lake City appoints five. However, Sandy City appointees have no term limits, meaning that although the appointments are reviewed every four years, Trustees from Sandy can serve indefinitely. Salt Lake Trustees are limited to two consecutive terms and the question has arisen about preservation of institutional knowledge among the Board's Salt Lake delegation. The Council may wish to discuss advantages or disadvantages of the current term limits and consider the suitable policy moving forward.

ADDITIONAL & BACKGROUND INFORMATION

Key Capital Items

- CUP Municipal and Irrigation (M&I) System water costs assessed to the District will total an estimated \$3,571,200 for the fiscal year 2019. This includes a \$200,000 increase from the previous year in operations and maintenance costs; operations and maintenance costs assessed from CUP M&I will increase over 100% between 2018 and 2021 to an anticipated one million dollars. 20,000 acre feet of water is available to the District through this agreement.

- Payments to the Provo River Water Users Association will total an estimated \$3,611,323 for the fiscal year 2019 and involve water sales, capital assessments, operations and maintenance. 61,700 acre feet of water is available to the District through this agreement; the District is a 61.7% owner in the Association.
- The District is a 2/7 shareholder in the Jordan Valley Water Conservancy District (JVWCD), which helps convey water to Metropolitan Water District customers in the western Salt Lake area. The Jordan Aqueduct operated by JVWCD is also expected to help service the City's undeveloped Northwest Quadrant. The District's payments to JVWCD for capital assessments, operations and maintenance will total an estimated \$1,087,259 for the fiscal year 2019. JVWCD only conveys, treats and stores supplies for the District and is not a source of water for District customers.
- The District's total reserves will increase by about \$6.5 million for the coming fiscal year; debt service is estimated at \$16,593,091 with available funds providing a coverage ratio of 1.75 (1.15 is the minimum required).
- 2019 costs for the last year of the Terminal Reservoir Replacement Project will total an estimated \$333,500.
- The 2019 portion of the District's contribution to the City Water Utility's overhaul of the Mountain Dell Reservoir Dam will be \$100,000. The District collects \$30,000 each year in ongoing revenue from this facility's operation in accordance with interlocal agreements that also involve Salt Lake County.

Salt Lake City's Annual Contributions

- \$7,021,892 capital assessment, related to infrastructure upgrades and facility improvements
- \$15,994,818 in anticipated annual wholesale water purchased from the District for resale through the City Water Utility to customers
- \$7,806,277 estimated in property taxes paid by City residents; the District currently sets its tax rate for Salt Lake City at .000325
 - o The maximum certified rate the District is allowed to establish is 0.0005
- \$30.8 million estimated in total City contributions to the District for the fiscal year 2019

From the District's Notes on Staffing and Compensation

- *The District checks the various sources to ensure the District is in line with the market, e.g., Consumer Price Index, World at Work, Tech Net, and other related sources.*
- *When setting the increases, a comparison is made with the two member cities as well as with other local water districts.*
- *SLC being self-insured can add medical benefits the District cannot competitively match due to the difference in the number of employees; therefore, the District focuses on other things that are fair.*
- *The District believes in giving merit increases and tying COLA to merit; a 1% merit increase represents about \$46,000 (based on FY2019 budget for salaries and wages, less payroll taxes).*
- *Ultimately, we are governed as separate entities and each Board or City Council must do what they think is in the best interest of their employees.*

ATTACHMENTS

Attachment 1 History of the District

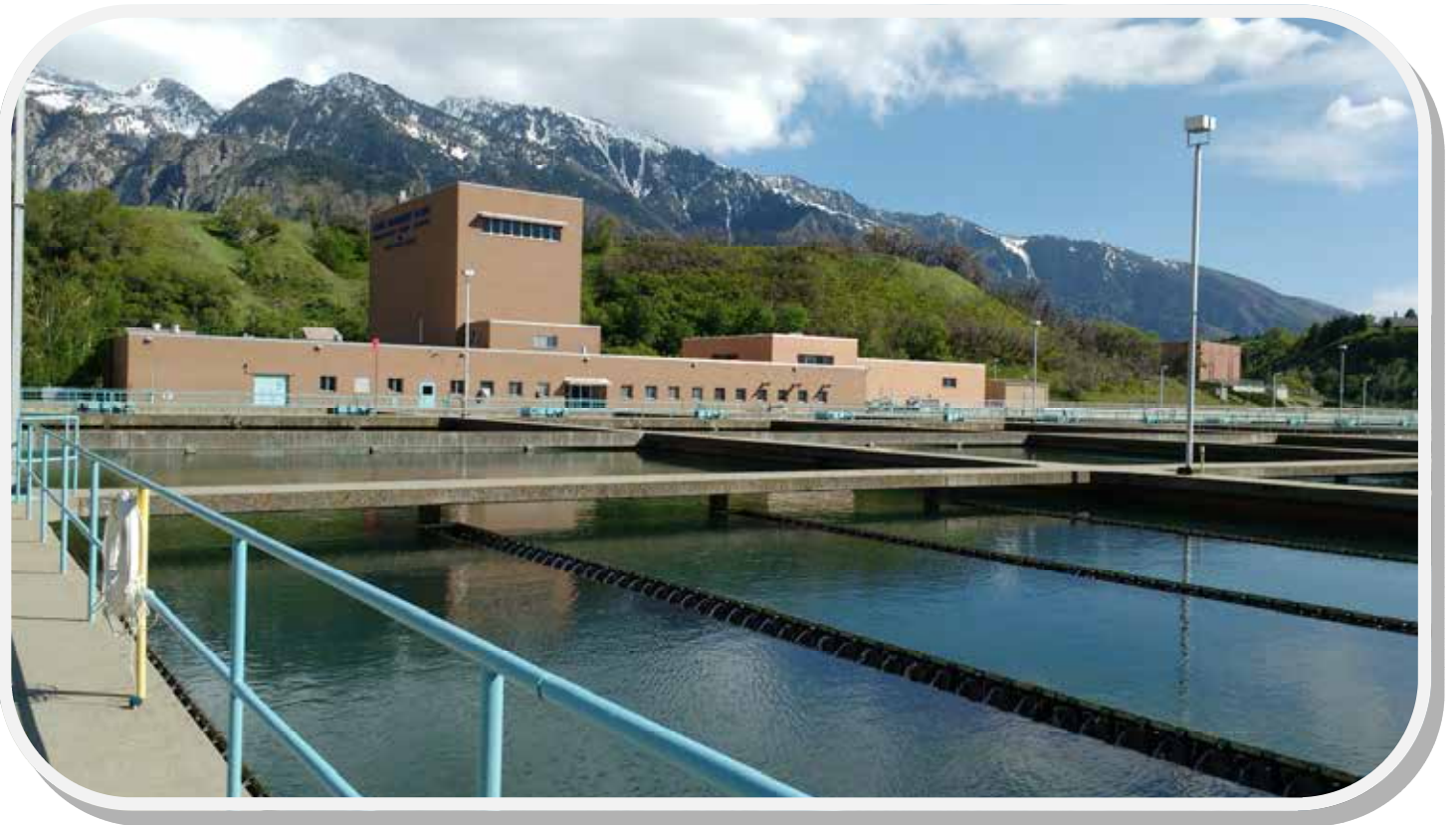
Attachment 2 Overview of Metropolitan Water District key information

Attachment 3 Metro Water System Facilities Map

Attachment 4 FY2018-19 Metropolitan Water District of Salt Lake and Sandy Proposed Budget

FY 2019

Metropolitan Water District of Salt Lake & Sandy



Executive Summary

Metropolitan Water District of Salt Lake & Sandy

3430 East Danish Road, Cottonwood Heights, UT 84093

Phone: 801-942-1391 Fax: 801-942-3674

www.mwdsls.org



April 9, 2018—This is an executive summary of the budget information for the Metropolitan Water District of Salt Lake & Sandy (the “District”) for Fiscal Year (FY) 2019.

The proposed budget includes total budgeted revenue of \$45.79 million. This is based on a proposed 3% increase in revenues from water sales. Water sales to the member cities will continue to be charged at a fixed rate (\$/month). The budget maintains current tax revenues (no proposed increases to the certified tax rate). The increase in water sales revenues has been anticipated based on projections from FY 2018. Future increases are anticipated to be 3% annually through FY 2023 (5-year look ahead). Projected rate increases are consistent with previous forecasts.

Total expenses amount to \$41.48 million. This reflects a reduction of \$2.09 million due primarily to the completion of the Terminal Reservoir Replacement Project (TRRP) and decreased capital expenditures for the Jordan Aqueduct System.

The Operations and Maintenance (O&M) budget totals \$14.94 million (excluding interest, depreciation and amortization). Generally, O&M costs are stable with budget projections being based on 3-year averages. Costs related to Central Utah Project (CUP) O&M are forecasted to increase significantly over the next several years based on decisions of Central Utah Water Conservancy District.

The costs related to the Provo River Water Users Association (PRWUA) are uniquely shown and are separated from O&M and capital. The budget amount related to the PRWUA is \$3.61 million. This includes nearly \$150,000 for finalizing a portion of the financing related to the Provo River Aqueduct. The annual allotment for the Provo River Project water supply has been established at 54% (interim allocation; final allocation estimated to be 90%).

The total FY 2019 capital budget is \$6.34 million, and the total debt service budget is \$16.59 million. An increase to the reserves of \$4.31 million is projected to meet contractual and policy reserve requirements, including future capital improvement needs such as replacement of the Salt Lake Aqueduct. No new debt service activity is anticipated during FY 2019; refunding opportunities may be explored.

The District’s operation plan anticipates utilization of Point of the Mountain Water Treatment Plant during summer months. The number of approved personnel positions will remain unchanged with a total of 67 positions. A 4.0% merit-based salary increase is proposed. The benefits plan includes District employees continuing to pay for 5% of the health insurance premium.

Michael J. DeVries, General Manager/Budget Officer

Metropolitan Water District of Salt Lake & Sandy
Fiscal Year 2019
Budget Summary

	Actual			Budget 2018	Proposed 2019
	2015	2016	2017		
Sources of Funds					
Water Sales					
Member Cities	15,541,662	17,613,138	20,259,556	21,272,534	21,910,710
Others	581,247	748,096	1,049,095	392,022	764,814
Total Water Sales	16,122,909	18,361,234	21,308,651	21,664,556	22,675,524
Property Taxes	10,137,273	10,591,281	10,736,053	10,383,289	10,408,236
Assessments	12,238,943	12,246,768	12,248,671	12,249,306	12,249,686
Miscellaneous					
Interest	242,483	346,536	439,376	218,630	358,382
Other	64,014	105,489	1,092,485	148,400	101,044
Total Miscellaneous	306,497	452,025	1,531,861	367,030	459,426
Bond Proceeds	6,736,077	-	120,000	-	-
Total Sources of Funds	45,541,699	41,651,308	45,945,236	44,664,181	45,792,872
Uses of Funds					
Operations and Maintenance (includes O&M to other agencies; excludes depreciation/amortization)	13,002,768	13,209,357	12,797,418	14,282,956	14,941,590
Capital Projects					
Non-Capacity Improvement Projects	8,136,918	4,924,416	7,003,259	3,480,750	2,277,300
Jordan Aqueduct System & 150th South Pipeline	507,181	1,505,469	3,336,572	2,266,418	1,087,259
Central Utah Project (CUP) Capital	2,971,200	2,971,200	2,971,200	2,971,200	2,971,200
Total Capital Projects (includes capital to other agencies)	11,615,299	9,401,085	13,311,031	8,718,368	6,335,759
Provo River Water Users Association	3,605,745	3,259,161	3,259,963	3,980,587	3,611,323
Debt Service					
Principal	6,045,000	6,410,000	6,855,000	7,400,000	7,675,000
Interest	10,875,513	10,302,901	8,704,152	9,186,791	8,918,091
Total Debt Service	16,920,513	16,712,901	15,559,152	16,586,791	16,593,091
Total Uses of Funds	45,144,325	42,582,504	44,927,564	43,568,702	41,481,763
Net Funds To/(From) Reserves	397,374	(931,196)	1,017,672	1,095,479	4,311,109

Budget

Metropolitan Water District of Salt Lake & Sandy

Fiscal Year 2019

TOTAL DISTRICT OPERATIONS AND MAINTENANCE EXPENDITURES

Last update:

04/06/18

Account	Description	Actual FY 2015	Actual FY 2016	Actual FY 2017	3-Year Average (FY 2015-2017)	Budget FY 2018	Actual 1/31/2018	% of Total Spent YTD FY 2018	% of Total Spent YTD 3-year average	Projected Spend FY 2018	Projected Spend to Budget over/(under) for FY 2018	Budget FY 2019	% Change from FY 2018 Budget
5110	Salary & Wage Exp.	3,804,374	3,970,817	4,026,236	3,933,809	4,202,983	2,273,418	54.09%	56.45%	4,112,770	(90,213)	4,382,523	4.27%
5120	Overtime Premium	99,738	97,235	97,628	98,200	97,243	53,301	54.81%	61.27%	91,744	(5,499)	98,704	1.50%
5130	Vacation	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5131	Sick Leave	1,796	38,666	(59,762)	(6,433)	-	-	N/A	0.00%	-	-	-	N/A
5170	On Call Pay	16,452	16,470	16,425	16,449	16,425	9,180	55.89%	56.59%	16,250	(175)	16,425	0.00%
5190	Other	225	500	200	308	2,500	264	10.56%	62.16%	1,210	(1,290)	2,500	0.00%
5210	Payroll Taxes	310,161	317,594	317,070	314,942	335,538	178,930	53.33%	56.87%	324,390	(11,148)	343,822	2.47%
Salaries and Wages		4,232,746	4,442,302	4,397,797	4,357,615	4,654,689	2,515,093	54.03%		4,546,364	(108,325)	4,843,974	4.07%
5310	Retirement Plan	803,672	868,035	849,463	840,390	892,518	496,152	55.59%	59.62%	858,428	(34,090)	924,940	3.63%
5320	Medical Insurance Premiums	1,111,254	1,055,373	1,123,158	1,096,595	1,292,850	724,252	56.02%	58.91%	1,257,826	(35,024)	1,344,037	3.96%
5330	Tuition Aid Program	30,507	21,050	29,422	26,993	34,184	20,177	59.02%	62.15%	33,116	(1,068)	38,400	12.33%
5350	Insurance Premiums	35,796	35,472	34,698	35,322	37,476	21,137	56.40%	58.38%	37,339	(137)	38,754	3.41%
Employee Benefits		1,981,229	1,979,930	2,036,741	1,999,300	2,257,028	1,261,718	55.90%		2,186,709	(70,319)	2,346,131	3.95%
5340	Meetings & Seminars	30,999	25,259	18,838	25,032	38,064	14,981	39.36%	49.29%	37,911	(153)	40,652	6.80%
Employee Training		30,999	25,259	18,838	25,032	38,064	14,981	39.36%		37,911	(153)	40,652	6.80%
5410	Business Travel	47,961	37,171	48,170	44,434	58,400	31,971	54.75%	56.67%	59,156	756	58,900	0.86%
5430	Vehicle O & M	59,067	61,500	51,041	57,203	42,984	27,606	64.22%	66.44%	42,118	(866)	45,834	6.63%
Transportation		107,028	98,671	99,211	101,637	101,384	59,577	58.76%		101,274	(110)	104,734	3.30%
5510	Legal	306,829	248,557	206,990	254,125	300,000	74,800	24.93%	45.71%	237,670	(62,330)	300,000	0.00%
5520	Accounting	28,176	26,851	31,334	28,787	32,900	29,096	88.44%	88.69%	32,817	(83)	33,500	1.82%
5530	Contract Services	1,700,543	1,714,051	1,377,779	1,597,458	1,701,037	866,757	50.95%	65.13%	1,671,433	(29,604)	1,662,271	-2.28%
5540	Other	20,241	24,403	67,011	37,218	32,480	10,046	30.93%	43.52%	29,629	(2,851)	31,680	-2.46%
Professional Services		2,055,789	2,013,862	1,683,114	1,917,588	2,066,417	980,699	47.46%		1,971,549	(94,868)	2,037,451	-1.89%
5610	Telephone	26,506	22,656	21,387	23,516	25,188	13,333	52.93%	59.60%	23,565	(1,623)	25,988	3.18%
5620	Electricity	1,020,607	948,202	1,179,358	1,049,389	1,510,386	443,204	29.34%	65.01%	1,260,000	(250,386)	1,564,460	3.58%
5630	Natural Gas	315,199	249,130	311,248	291,859	232,800	90,074	38.69%	44.51%	219,255	(13,545)	212,700	-8.63%
5640	Radio Communications	7,291	7,810	8,985	8,029	11,412	3,871	33.92%	53.04%	9,230	(2,182)	11,400	-0.11%
5650	Water	29,512	27,278	19,165	25,318	28,076	14,195	50.56%	58.59%	25,821	(2,255)	27,336	-2.64%
Utilities		1,399,115	1,255,076	1,540,143	1,398,111	1,807,862	564,677	31.23%		1,537,871	(269,991)	1,841,884	1.88%
5710	Buildings & Grounds	107,367	144,078	71,153	107,533	88,520	48,599	54.90%	78.84%	67,329	(21,191)	96,020	8.47%
5720	Machinery & Equipment	233,542	217,064	223,836	224,814	241,277	75,516	31.30%	54.39%	185,830	(55,447)	238,516	-1.14%
Repairs and Maintenance		340,909	361,142	294,989	332,347	329,797	124,115	37.63%		253,159	(76,638)	334,536	1.44%
5810	General Supplies	21,089	22,251	18,763	20,701	22,673	12,875	56.78%	56.42%	23,920	1,247	23,673	4.41%
5820	Office Supplies	9,028	7,858	9,392	8,760	7,800	3,118	39.98%	53.58%	6,759	(1,041)	7,800	0.00%
5830	Materials	207,021	197,794	176,269	193,695	198,132	78,823	39.78%	49.04%	178,933	(19,199)	196,482	-0.83%
5840	Chemicals	1,278,530	1,261,713	1,170,347	1,236,863	1,130,681	715,470	63.28%	66.63%	1,092,504	(38,177)	1,413,101	24.98%
5850	Computer & Instr. Supplies	100,465	97,894	115,989	104,783	104,784	79,906	76.26%	69.30%	112,075	7,291	104,784	0.00%
Chemicals and Supplies		1,616,133	1,587,510	1,490,760	1,564,802	1,464,070	890,192	60.80%		1,414,191	(49,879)	1,745,840	19.25%
5901	General Insurance	482,066	499,389	513,116	498,191	567,211	300,585	52.99%	58.78%	515,280	(51,931)	521,076	-8.13%
5902	Administrative Fees	354,238	461,639	340,059	385,312	501,558	437,078	87.14%	61.79%	459,944	(41,614)	701,916	39.95%
5903	Water Stock Assessment	4,889	594	3,002	2,828	21,300	43	0.20%	7.47%	19,751	(1,549)	21,300	0.00%
5904	Rent Exp.	1,066	12,066	4,451	5,861	15,230	-	0.00%	73.39%	4,053	(11,177)	13,550	-11.03%
5905	Miscellaneous	73,786	72,652	69,861	72,099	71,385	36,291	50.84%	53.65%	69,473	(1,912)	69,152	-3.13%
5906	Postage & Freight Exp.	3,205	3,077	3,236	3,173	3,500	1,971	56.30%	53.40%	4,061	561	3,500	0.00%
5907	Contributions & Events	241,286	317,281	224,158	260,908	300,000	67,991	22.66%	48.68%	300,000	-	235,000	-21.67%
5909	Depreciation Exp.	10,679,989	10,751,104	10,686,522	10,705,872	10,700,000	6,372,319	59.55%	58.57%	10,825,000	125,000	10,635,000	-0.61%
5910	Interest Exp.	10,875,513	10,302,901	8,704,152	9,960,855	9,186,791	5,351,669	58.25%	61.93%	9,175,800	(10,991)	8,918,091	-2.92%
5911	Laundry	13,868	10,501	13,016	12,462	13,420	8,738	65.11%	61.26%	10,880	(2,540)	13,620	1.49%
5913	Safety	27,008	30,426	28,539	28,658	33,888	17,060	50.34%	40.78%	38,894	5,006	41,458	22.34%
5914	Subscriptions & Publications	3,537	2,973	2,071	2,860	4,354	2,836	65.13%	65.24%	4,439	85	4,313	-0.94%
5915	Outside Printing	547	22	532	367	1,200	-	0.00%	2.55%	1,169	(31)	1,200	0.00%
5916	Dues & Memberships	33,324	34,985	33,784	34,031	30,599	26,890	87.88%	76.79%	34,016	3,417	30,303	-0.97%
5917	Amortization Exp.	(617,071)	(379,790)	(271,413)	(422,758)	(276,999)	(161,582)	58.33%	59.44%	(276,999)	-	(276,999)	0.00%
Other Expenses		22,177,251	22,119,820	20,355,086	21,550,719	21,173,437	12,461,889	58.86%		21,185,761	12,324	20,932,480	-1.14%
Total Expenses		33,941,199	33,883,572	31,916,679	33,247,152	33,892,748	18,872,941	55.68%		33,234,789	(657,959)	34,217,682	0.96%
Excluding personnel (P) costs		27,727,224	27,461,340	25,482,141	26,890,237	26,981,031						27,027,577	0.17%
Excluding interest (I) costs		23,065,686	23,580,671	23,212,527	23,286,297	24,705,957						25,299,591	2.40%
Excluding depreciation (D) and amortization (A)		23,878,281	23,512,258	21,501,750	22,964,038	23,469,747						23,859,681	1.66%
Excluding I, D, and A		13,002,768	13,209,357	12,797,418	13,003,183	14,282,956						14,941,590	4.61%

Metropolitan Water District of Salt Lake & Sandy

Fiscal Year 2019

ADMINISTRATIVE (10)

Last Update:

04/06/18

Account	Description	Actual FY 2015	Actual FY 2016	Actual FY 2017	3-Year Average (FY 2015-2017)	Budget FY 2018	Actual 1/31/2018	% of Total Spent YTD FY 2018	% of Total Spent YTD 3-year average	Projected Spend FY 2018	Projected Spend to Budget over/(under) for FY 2018	Budget FY 2019	% Change from FY 2018 Budget
5110	Salary & Wage Exp.	338,064	337,244	347,894	341,067	390,643	212,159	54.31%	55.86%	384,589	(6,054)	594,843	52.27%
5120	Overtime	17	10	545	191	-	113	N/A	65.91%	113	113	-	N/A
5131	Sick Leave	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5170	On Call Pay	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5190	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5210	Payroll Taxes	25,709	24,348	24,065	24,707	28,256	15,647	55.37%	55.23%	28,297	41	43,904	55.38%
	Salaries and Wages	363,790	361,602	372,504	365,965	418,899	227,919	54.41%		412,999	(5,900)	638,747	52.48%
5310	Retirement Plan	67,222	71,664	71,907	70,264	75,755	45,337	59.85%	59.24%	76,214	459	119,438	57.66%
5320	Medical Insurance Premiums	76,547	73,705	73,115	74,456	80,443	48,397	60.16%	58.60%	81,700	1,257	142,740	77.44%
5330	Tuition Aid Program	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5350	Insurance Premiums	2,237	2,233	2,049	2,173	2,306	1,941	84.15%	57.67%	3,446	1,139	4,781	107.32%
	Employee Benefits	146,006	147,602	147,071	146,893	158,504	95,675	60.36%		161,360	2,855	266,959	68.42%
5340	Meetings & Seminars	11,064	9,786	7,277	9,376	8,665	7,841	90.49%	50.82%	12,103	3,438	9,420	8.71%
	Employee Training	11,064	9,786	7,277	9,376	8,665	7,841	90.49%		12,103	3,438	9,420	8.71%
5410	Business Travel	23,808	17,752	29,312	23,624	26,400	9,369	35.49%	53.35%	21,685	(4,715)	28,900	9.47%
5430	Vehicle O & M	341	466	195	334	203	348	171.12%	60.60%	428	225	209	2.80%
	Transportation	24,149	18,218	29,507	23,958	26,603	9,717	36.53%		22,113	(4,490)	29,109	9.42%
5510	Legal	306,829	248,557	206,990	254,125	300,000	74,800	24.93%	45.71%	237,670	(62,330)	300,000	0.00%
5520	Accounting	28,176	26,851	31,334	28,787	32,900	29,096	88.44%	88.69%	32,817	(83)	33,500	1.82%
5530	Contract Services	475,500	516,910	142,289	378,233	132,621	69,342	52.29%	48.84%	137,191	4,570	143,781	8.41%
5540	Other	-	-	-	-	-	50	N/A	0.00%	50	50	-	N/A
	Professional Services	810,505	792,318	380,613	661,145	465,521	173,288	37.22%		407,728	(57,793)	477,281	2.53%
5610	Telephone	1,380	1,380	1,380	1,380	1,480	700	47.30%	58.33%	1,317	(163)	1,860	25.68%
5620	Electricity	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5630	Natural Gas	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5640	Radio Communications	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5650	Water	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Utilities	1,380	1,380	1,380	1,380	1,480	700	47.30%		1,317	(163)	1,860	25.68%
5710	Buildings & Grounds	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5720	Machinery & Equipment	-	-	927	185	-	-	N/A	0.00%	-	-	-	N/A
	Repairs and Maintenance	-	-	927	185	-	-	N/A		-	-	-	N/A
5810	General Supplies	7,689	3,649	2,674	4,671	2,850	2,565	89.99%	58.83%	3,738	888	3,850	35.09%
5820	Office Supplies	9,028	7,758	9,348	8,712	7,800	3,118	39.98%	53.32%	6,759	(1,041)	7,800	0.00%
5830	Materials	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5840	Chemicals	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5850	Computer & Instr. Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Chemicals and Supplies	16,717	11,407	12,022	13,383	10,650	5,683	53.36%		10,497	(153)	11,650	9.39%
5901	General Insurance	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5902	Administrative Fees	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5903	Water Stock Assessment	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5904	Rent Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5905	Miscellaneous	22,755	20,675	20,781	21,404	21,785	7,379	33.87%	41.26%	20,175	(1,610)	19,552	-10.25%
5906	Postage & Freight Exp.	2,403	2,682	2,807	2,631	2,500	1,971	78.82%	56.37%	3,061	561	2,500	0.00%
5907	Contributions and Events	19,952	19,923	120,372	53,416	100,000	14,757	14.76%	35.27%	100,000	-	135,000	35.00%
5909	Depreciation Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5910	Interest Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5911	Laundry	2,994	386	2,946	2,109	2,850	274	9.60%	41.16%	1,951	(899)	3,050	7.02%
5913	Safety	-	-	8	3	-	-	N/A	0.00%	-	-	-	N/A
5914	Subscriptions & Publications	2,073	2,200	1,249	1,841	1,535	1,477	96.20%	59.65%	2,096	561	1,555	1.30%
5915	Outside Printing	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5916	Dues & Memberships	4,273	3,121	3,274	3,556	1,860	1,299	69.84%	60.08%	2,042	182	1,633	-12.20%
5917	Amortization Expense	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Other Expenses	54,450	48,987	151,437	84,960	130,530	27,157	20.81%		129,325	(1,205)	163,290	25.10%
	Total Expenses	1,428,061	1,391,300	1,102,738	1,307,245	1,220,853	547,980	44.89%		1,157,442	(63,411)	1,598,316	30.92%
					Excluding personnel costs	643,449						692,610	7.64%

Fiscal Year 2019 General Expenditures Worksheet							
Cost Center Name: Administrative (10)							
Last Update: 04/06/18							
Account Number	Account Name	Description	Submitted by:	Units	Quantity	Unit Price	Extended Amount
5110	Salary and Wage Expense	Salary and wages (6 FTEs, 1 intern)		Pay Period	26	\$ 22,879	\$ 594,843
5110 Total							\$ 594,843
5210	Payroll Taxes	Employer Portion of Payroll Taxes		Pay Period	26	\$ 1,689	\$ 43,904
5210 Total							\$ 43,904
5310	Retirement Plan	URS (Utah Retirement Systems) Contribution and Employer Match		Pay Period	26	\$ 4,594	\$ 119,438
5310 Total							\$ 119,438
5320	Medical Insurance Premiums	Insurance premiums (Dental, Medical, and H.S.A. Contribution)		Monthly	12	\$ 11,895	\$ 142,740
5320 Total							\$ 142,740
5350	Insurance Premiums	Health Savings Admin Fee	Annalee Munsey	Monthly	12	\$ 110	\$ 1,320
5350	Insurance Premiums	AD&D, Basic Life, Long Term Disability, etc.	Annalee Munsey	Monthly	12	\$ 288	\$ 3,461
5350 Total							\$ 4,781
5340	Meetings & Seminars	Accounting/HR Training	Annalee Munsey	Each	6	\$ 150	\$ 900
5340	Meetings & Seminars	Meeting refreshments	Annalee Munsey	Each	12	\$ 60	\$ 720
5340	Meetings & Seminars	Healthy Utah refreshments	Annalee Munsey	Each	12	\$ 100	\$ 1,200
5340	Meetings & Seminars	Utah Water Users Association summit sponsorship and registration	Annalee Munsey	Each	1	\$ 450	\$ 450
5340	Meetings & Seminars	Utah Water Users Workshop sponsorship	Annalee Munsey	Each	1	\$ 375	\$ 375
5340	Meetings & Seminars	Business Meetings	Annalee Munsey	Each	15	\$ 100	\$ 1,500
5340	Meetings & Seminars	Supervisory Training	Annalee Munsey	Each	2	\$ 300	\$ 600
5340	Meetings & Seminars	Utah Water Quality Alliance annual watershed retreat sponsorship	Annalee Munsey	Each	1	\$ 675	\$ 675
5340	Meetings & Seminars	Kitchen supplies	Annalee Munsey	Monthly	12	\$ 250	\$ 3,000
5340 Total							\$ 9,420
5410	Business Travel	AWWA Internountain Section	Annalee Munsey	Each	4	\$ 1,500	\$ 6,000
5410	Business Travel	AWWA Annual Conference	Annalee Munsey	Each	2	\$ 3,000	\$ 6,000
5410	Business Travel	Utah Association of Special Districts	Annalee Munsey	Each	3	\$ 300	\$ 900
5410	Business Travel	National Water Resources Association Annual Conference	Annalee Munsey	Each	2	\$ 2,250	\$ 4,500
5410	Business Travel	Colorado River Water Users Association	Annalee Munsey	Each	1	\$ 1,200	\$ 1,200
5410	Business Travel	Water Quality Technology Conference	Annalee Munsey	Each	1	\$ 2,500	\$ 2,500
5410	Business Travel	Utah Water Users Workshop	Annalee Munsey	Each	4	\$ 1,200	\$ 4,800
5410	Business Travel	Human Resource Conference	Annalee Munsey	Each	1	\$ 3,000	\$ 3,000
5410 Total							\$ 28,900
5430	Vehicle O&M	Mileage reimbursement	Annalee Munsey	Miles	380	\$ 0.55	\$ 209
5430 Total							\$ 209
5510	Legal	General Counsel	Mike DeVries	Monthly	12	\$ 25,000	\$ 300,000
5510 Total							\$ 300,000
5520	Accounting	Annual audit-contract amount (Year 5 of 5)	Annalee Munsey	Lump sum	1	\$ 9,900	\$ 9,900
5520	Accounting	Payroll & timekeeping outsourcing	Annalee Munsey	Lump sum	1	\$ 9,600	\$ 9,600
5520	Accounting	Accountant consultation work (Year 4 of 5)	Annalee Munsey	Lump sum	1	\$ 14,000	\$ 14,000
5520 Total							\$ 33,500
5530	Contract Services	Motor Vehicle Record requests	Annalee Munsey	Each	65	\$ 15.50	\$ 1,008
5530	Contract Services	Drug Screening-random and pre-employment	Annalee Munsey	Each	12	\$ 46.50	\$ 558
5530	Contract Services	New Hire background checks	Annalee Munsey	Each	5	\$ 41.50	\$ 208
5530	Contract Services	Investment advisor fees	Mike DeVries	Monthly	12	\$ 1,875	\$ 22,500
5530	Contract Services	Bond post-issue compliance (continuing disclosure)	Mike DeVries	Annual	1	\$ 1,000	\$ 1,000
5530	Contract Services	2011A Bond trustee fee (ends May 2036)	Annalee Munsey	Each	1	\$ 5,000	\$ 5,000
5530	Contract Services	2012A Bond trustee fee (ends March 2037)	Annalee Munsey	Each	1	\$ 3,500	\$ 3,500
5530	Contract Services	2012B Bond trustee fee (ends April 2022)	Annalee Munsey	Each	1	\$ 2,000	\$ 2,000
5530	Contract Services	2015A Bond trustee fee (ends April 2034)	Annalee Munsey	Each	1	\$ 2,100	\$ 2,100
5530	Contract Services	2016A Bond trustee fee (ends May 2031)	Annalee Munsey	Each	1	\$ 3,000	\$ 3,000
5530	Contract Services	Arbitrage rebate analysis	Mike DeVries	Each	1	\$ 1,000	\$ 1,000
5530	Contract Services	Salt Lake County data recorder services	Annalee Munsey	Each	12	\$ 25	\$ 300
5530	Contract Services	Governmental relations/lobbying	Mike DeVries	Monthly	12	\$ 7,334	\$ 88,008
5530	Contract Services	Public relations/public involvement consulting services	Annalee Munsey	Lump sum	1	\$ 5,000	\$ 5,000
5530	Contract Services	Financial consulting services (year 2 of 5)	Mike DeVries	Lump sum	1	\$ 5,000	\$ 5,000
5530	Contract Services	Records management	Annalee Munsey	Lump sum	1	\$ 700	\$ 700
5530	Contract Services	Safety Data Sheets Online Service (year 2 or 3)	Annalee Munsey	Lump sum	1	\$ 2,899	\$ 2,899
5530 Total							\$ 143,781
5610	Telephone	Mobile phone allowances (3)	Mike DeVries	Monthly	12	\$ 155	\$ 1,860
5610	Telephone	Allowance for cell phone replacement/parts	Mike DeVries	Each			\$ -
5610 Total							\$ 1,860
5810	General Supplies	General Supplies	Mike DeVries	Lump sum	1	\$ 3,850	\$ 3,850
5810 Total							\$ 3,850
5820	Office Supplies	General Office Supplies	Mike DeVries	Monthly	12	\$ 650	\$ 7,800
5820 Total							\$ 7,800
5905	Miscellaneous	Service Awards	Annalee Munsey	Each	8	\$ 544	\$ 4,352
5905	Miscellaneous	Job Postings	Annalee Munsey	Each	5	\$ 250	\$ 1,250
5905	Miscellaneous	Wellness Program	Annalee Munsey	Employee	65	\$ 190	\$ 12,350
5905	Miscellaneous	Legal Notices	Mike DeVries	Each	2	\$ 800	\$ 1,600
5905 Total							\$ 19,552
5906	Postage & Freight Expense	Postage metering	Annalee Munsey	Lump sum	1	\$ 2,500	\$ 2,500
5906 Total							\$ 2,500
5907	Contribution & Events	Employee Summer Party	Mike DeVries	Lump sum	1	\$ 10,000	\$ 10,000
5907	Contribution & Events	Employee Winter Party	Mike DeVries	Lump sum	1	\$ 10,000	\$ 10,000
5907	Contribution & Events	Governor's Water Conservation Team	Mike DeVries	Lump sum	1	\$ 35,000	\$ 35,000
5907	Contribution & Events	Water Week Activities	Mike DeVries	Lump sum	1	\$ 5,000	\$ 5,000
5907	Contribution & Events	Water Audits	Mike DeVries	Lump sum	1	\$ 75,000	\$ 75,000
5907 Total							\$ 135,000
5911	Laundry	Miscellaneous Uniforms	Mike DeVries	Lump sum	1	\$ 3,050	\$ 3,050
5911 Total							\$ 3,050
5914	Subscriptions & Publications	Technet (Salary Review Service)	Annalee Munsey	Lump sum	1	\$ 350	\$ 350
5914	Subscriptions & Publications	Salary Surveys	Annalee Munsey	Each	3	\$ 285	\$ 855
5914	Subscriptions & Publications	Labor Law Posters	Annalee Munsey	Each	5	\$ 30	\$ 150
5914	Subscriptions & Publications	Books	Annalee Munsey	Each	4	\$ 50	\$ 200
5914 Total							\$ 1,555
5916	Dues & Membership	Human Resources Association (World at Work)	Annalee Munsey	Lump sum	1	\$ 265	\$ 265
5916	Dues & Membership	Employers Council	Annalee Munsey	Lump sum	1	\$ 1,009	\$ 1,009
5916	Dues & Membership	Society for Human Resource Management	Annalee Munsey	Lump sum	1	\$ 199	\$ 199
5916	Dues & Membership	Government Finance Officers Association	Mike DeVries	Lump sum	1	\$ 160	\$ 160
5916 Total							\$ 1,633

Metropolitan Water District of Salt Lake & Sandy

Fiscal Year 2019

GENERAL (20)

Last Update:

03/15/18

Account	Description	Actual FY 2015	Actual FY 2016	Actual FY 2017	3-Year Average (FY 2015-2017)	Budget FY 2018	Actual 1/31/2018	% of Total Spent YTD FY 2018	% of Total Spent YTD 3-year average	Projected Spend FY 2018	Projected Spend to Budget over/(under) for FY 2018	Budget FY 2019	% Change from FY 2018 Budget
5110	Salary & Wage Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5120	Overtime Premium	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5131	Sick Leave	1,796	38,666	(59,762)	(6,433)	-	-	N/A	0.00%	-	-	-	N/A
5170	On Call Pay	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5190	Other	225	500	200	308	2,500	264	10.56%	62.16%	1,210	(1,290)	2,500	0.00%
5210	Payroll Taxes	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Salary and Wages	2,021	39,166	(59,562)	(6,125)	2,500	264	10.56%		1,210	(1,290)	2,500	0.00%
5310	Retirement Plan	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5320	Medical Insurance Premiums	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5330	Tuition Aid Program	30,507	21,050	29,422	26,993	34,184	20,177	59.02%	62.15%	33,116	(1,068)	38,400	12.33%
5350	Insurance Premiums	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Employee Benefits	30,507	21,050	29,422	26,993	34,184	20,177	59.02%		33,116	(1,068)	38,400	12.33%
5340	Meetings & Seminars	4,115	1,975	983	2,358	4,520	888	19.63%	50.08%	3,144	(1,376)	2,280	-49.56%
	Employee Training	4,115	1,975	983	2,358	4,520	888	19.65%		3,144	(1,376)	2,280	-49.56%
5410	Business Travel	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5430	Vehicle O & M	54,305	57,469	47,204	52,992	39,500	25,787	65.28%	67.81%	38,502	(998)	42,388	7.31%
	Transportation	54,305	57,469	47,204	52,992	39,500	25,787	65.28%		38,502	(998)	42,388	7.31%
5510	Legal	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5520	Accounting	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5530	Contract Services	632,477	632,114	693,617	652,736	863,939	615,019	71.19%	96.27%	863,939	-	793,438	-8.16%
5540	Other	1,048	1,285	7,699	3,344	7,000	2,085	29.79%	15.93%	7,970	970	5,000	-28.57%
	Professional Services	633,525	633,399	701,316	656,080	870,939	617,104	70.86%		871,909	970	798,438	-8.32%
5610	Telephone	10,457	7,415	6,523	8,132	7,980	4,594	57.57%	61.81%	7,642	(338)	9,000	12.78%
5620	Electricity	1,020,607	948,202	1,179,358	1,049,389	1,510,386	443,204	29.34%	65.01%	1,260,000	(250,386)	1,564,460	3.58%
5630	Natural Gas	315,199	249,130	311,248	291,859	232,800	90,074	38.69%	44.51%	219,255	(13,545)	212,700	-8.63%
5640	Radio Communications	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5650	Water	29,512	27,278	19,165	25,318	28,076	14,195	50.56%	58.59%	25,821	(2,255)	27,336	-2.64%
	Utilities	1,375,775	1,232,025	1,516,294	1,374,698	1,779,242	552,067	31.03%		1,512,718	(266,524)	1,813,496	1.93%
5710	Buildings & Grounds	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5720	Machinery & Equipment	-	860	-	172	990	150	15.15%	0.00%	1,140	150	-	-100.00%
	Repairs and Maintenance	-	860	-	172	990	150	15.15%		1,140	150	-	-100.00%
5810	General Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5820	Office Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5830	Materials	9,730	8,262	8,974	8,989	8,780	3,364	38.32%	84.05%	4,765	(4,015)	-	-100.00%
5840	Chemicals	120	-	-	40	-	-	N/A	100.00%	-	-	-	N/A
5850	Computer & Instr. Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Chemicals and Supplies	9,850	8,262	8,974	9,029	8,780	3,364	38.31%		4,765	(4,015)	-	-100.00%
5901	General Insurance	482,066	499,389	513,116	498,191	567,211	300,585	52.99%	58.78%	515,280	(51,931)	521,076	-8.13%
5902	Administrative Fees	354,238	461,639	340,059	385,312	501,558	437,078	87.14%	61.79%	459,944	(41,614)	701,916	39.95%
5903	Water Stock Assessment	4,889	594	3,002	2,828	21,300	43	0.20%	7.47%	19,751	(1,549)	21,300	0.00%
5904	Rent Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5905	Miscellaneous	50,983	51,977	49,080	50,680	49,600	28,912	58.29%	58.90%	49,298	(302)	49,600	0.00%
5906	Postage & Freight Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5907	Contributions & Events	118,250	190,000	103,787	137,346	200,000	53,234	26.62%	50.54%	200,000	-	100,000	-50.00%
5909	Depreciation Expense	10,679,989	10,751,104	10,686,522	10,705,872	10,700,000	6,372,319	59.55%	58.57%	10,825,000	125,000	10,635,000	-0.61%
5910	Interest Expense	10,875,513	10,302,901	8,704,152	9,960,855	9,186,791	5,351,669	58.25%	61.93%	9,175,800	(10,991)	8,918,091	-2.92%
5911	Laundry	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5913	Safety	15,554	12,302	11,068	12,975	18,440	10,173	55.17%	33.00%	22,528	4,088	25,733	39.55%
5914	Subscriptions & Publications	892	-	345	412	1,340	876	65.34%	92.89%	971	(369)	1,279	-4.55%
5915	Outside Printing	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5916	Dues & Memberships	27,719	30,056	28,055	28,610	25,543	22,905	89.67%	78.98%	28,274	2,731	25,654	0.43%
5917	Amortization Exp.	(617,071)	(379,790)	(271,413)	(422,758)	(276,999)	(161,582)	58.33%	59.44%	(276,999)	-	(276,999)	N/A
	Other Expenses	21,993,022	21,920,172	20,167,773	21,360,323	20,994,784	12,416,212	59.14%		21,019,847	25,063	20,722,650	-1.30%
	Total Expenses	24,103,120	23,914,378	22,412,404	23,476,520	23,735,439	13,636,013	57.45%		23,486,351	(249,088)	23,420,152	-1.33%
					Excluding personnel costs	23,698,755						23,379,252	-1.35%

Fiscal Year 2019 General Expenditures Worksheet
Cost Center Name: General (20)
**Last Update:
03/15/18**

Account Number	Account Name	Description	Submitted By	Units	Quantity	Unit Price	Extended Amount
5190	Other	Employee suggestions	Mike DeVries	Lump sum	1	\$ 2,500	\$ 2,500
5190 Total							\$ 2,500
5330	Tuition Aid Program	Tuition Assistance	Mike DeVries	Lump sum	1	\$ 38,400	\$ 38,400
5330 Total							\$ 38,400
5340	Meetings & Seminars	District training	Annalee Munsey	Bi-monthly	24	\$ 80	\$ 1,920
5340	Meetings & Seminars	Safety committee inspections	Annalee Munsey	Quarterly	4	\$ 90	\$ 360
5340 Total							\$ 2,280
5430	Vehicle O&M	Fleet Vehicles (Gasoline)	Wayne Winsor	Gallons	12500	\$ 2.35	\$ 29,375
5430	Vehicle O&M	Fleet Vehicles (Diesel)	Wayne Winsor	Gallons	750	\$ 2.72	\$ 2,040
5430	Vehicle O&M	Specialty Vehicles	Wayne Winsor	Gallons	350	\$ 2.35	\$ 823
5430	Vehicle O&M	Lube-oil-filter, repairs, tire replacement etc.	Wayne Winsor	Lump sum	1	\$ 7,000	\$ 7,000
5430	Vehicle O&M	Emissions and Inspections	Wayne Winsor	Lump sum	1	\$ 1,400	\$ 1,400
5430	Vehicle O&M	Repair Parts	Wayne Winsor	Lump sum	1	\$ 1,750	\$ 1,750
5430 Total							\$ 42,388
5530	Contract Services	Jordan Aqueduct O&M by JVWCD	Mike DeVries	AF	11,500	\$ 19.39	\$ 222,985
5530	Contract Services	JVWTP operations by JVWCD	Mike DeVries	AF	2,500	\$ 47.51	\$ 118,775
5530	Contract Services	JVWTP maintenance by JVWCD	Mike DeVries	Lump sum	1	\$ 322,499	\$ 322,499
5530	Contract Services	Jordan Aqueduct Terminal Reservoir operations by JVWCD	Mike DeVries	AF	10,000	\$ 1.39	\$ 13,900
5530	Contract Services	Jordan Aqueduct Terminal Reservoir maintenance by JVWCD	Mike DeVries	Lump sum	1	\$ 37,695	\$ 37,695
5530	Contract Services	150th South Pipeline operations by JVWCD	Mike DeVries	AF	7,427	\$ 1.36	\$ 10,101
5530	Contract Services	150th South Pipeline maintenance by JVWCD	Mike DeVries	Lump sum	1	\$ 41,631	\$ 41,631
5530	Contract Services	Non-CUP water carriage charge in JA	Mike DeVries	AF	1,500	\$ 3.00	\$ 4,500
5530	Contract Services	UVWTP transfer pump cost	Mike DeVries	AF	300	\$ 15.00	\$ 4,500
5530	Contract Services	Water Softeners/De-ionized Water	Wayne Winsor	Monthly	12	\$ 610	\$ 7,320
5530	Contract Services	Garbage Removal	Wayne Winsor	Monthly	12	\$ 235	\$ 2,820
5530 Total							\$ 793,438
5540	Other	Employee Development	Annalee Munsey	Lump sum	1	\$ 2,000	\$ 2,000
5540	Other	Management/Leadership Training	Annalee Munsey	Lump sum	1	\$ 3,000	\$ 3,000
5540 Total							\$ 5,000
5610	Telephone	T1 PRI for District phone lines	Ryan Nicholes	Monthly	12	\$ 466	\$ 5,592
5610	Telephone	Long Distance Services for T1	Ryan Nicholes	Monthly	12	\$ 20	\$ 240
5610	Telephone	Phone number DIDs	Ryan Nicholes	Monthly	12	\$ 69	\$ 828
5610	Telephone	LCWTP Ozone Building phone lines and long distance	Ryan Nicholes	Monthly	12	\$ 80	\$ 960
5610	Telephone	JNPS phone line	Ryan Nicholes	Monthly	12	\$ 40	\$ 480
5610	Telephone	POMWTP backup phone lines	Ryan Nicholes	Monthly	12	\$ 75	\$ 900
5610 Total							\$ 9,000
5620	Electricity	Aqueducts	Ryan Nicholes	Monthly	12	\$ 620	\$ 7,444
5620	Electricity	Finished water reservoirs	Ryan Nicholes	Monthly	12	\$ 1,339.00	\$ 16,068
5620	Electricity	Salt Lake Aqueduct intake	Ryan Nicholes	Monthly	12	\$ 1,612.00	\$ 19,344
5620	Electricity	Jordan Narrows Pump Station	Ryan Nicholes	Monthly	6	\$ 80,620	\$ 483,718
5620	Electricity	Point of the Mountain site	Ryan Nicholes	Monthly	12	\$ 46,890	\$ 562,680
5620	Electricity	Little Cottonwood site	Ryan Nicholes	Monthly	12	\$ 38,550	\$ 462,598
5620	Electricity	POMWTP Standby Generator (Diesel)	Wayne Winsor	Gallons	3500	\$ 2.32	\$ 8,120
5620	Electricity	LCWTP Standby Generator (Diesel)	Wayne Winsor	Gallons	1650	\$ 2.72	\$ 4,488
5620 Total							\$ 1,564,460
5630	Natural Gas	Questar - Point of the Mountain Site	Wayne Winsor	Monthly	12	\$ 1,500	\$ 18,000
5630	Natural Gas	Questar - Little Cottonwood Site/Terminal Reservoir	Wayne Winsor	Monthly	12	\$ 3,000	\$ 36,000
5630	Natural Gas	BP Gas	Wayne Winsor	Monthly	12	\$ 12,000	\$ 144,000
5630	Natural Gas	LCWTP Boiler (Diesel)	Wayne Winsor	Gallons	5000	\$ 2.94	\$ 14,700
5630 Total							\$ 212,700
5650	Water	Salt Lake City	Wayne Winsor	Monthly	12	\$ 500	\$ 6,000
5650	Water	Cottonwood Improvement District	Wayne Winsor	Quarterly	4	\$ 600	\$ 2,400
5650	Water	Mt. Olympus Improvement District (sanitary sewer @ Terminal Reservoir)	Wayne Winsor	Bi-monthly	6	\$ 30	\$ 180
5650	Water	Draper City (storm drain fee)	Wayne Winsor	Monthly	12	\$ 963	\$ 11,556
5650	Water	South Valley Sewer	Wayne Winsor	Monthly	12	\$ 600	\$ 7,200
5650 Total							\$ 27,336
5720	Machinery & Equipment	Fit test recalibration (none for FY19, include in FY20)	Annalee Munsey	Lump sum	1	\$ -	\$ -
5720	Machinery & Equipment	Equipment repairs	Annalee Munsey	Lump sum	1	\$ -	\$ -
5720 Total							\$ -
5830	Materials			Lump sum	1	\$ -	\$ -
5830 Total							\$ -
5901	General Insurance	General liability	Mike DeVries	Lump sum	1	\$ 36,343	\$ 36,343
5901	General Insurance	Automobile liability	Mike DeVries	Lump sum	1	\$ 8,996	\$ 8,996
5901	General Insurance	Public officials/management liability	Mike DeVries	Lump sum	1	\$ 6,808	\$ 6,808
5901	General Insurance	Umbrella/excess liability (included with general liability)	Mike DeVries	Lump sum	1	\$ 20,778	\$ 20,778
5901	General Insurance	Property	Mike DeVries	Lump sum	1	\$ 346,776	\$ 346,776
5901	General Insurance	Workers compensation	Mike DeVries	Lump sum	1	\$ 70,443	\$ 70,443
5901	General Insurance	Pollution/environmental liability (year 2 of 3)	Mike DeVries	Lump sum	1	\$ -	\$ -
5901	General Insurance	Employee dishonesty/Crime	Mike DeVries	Lump sum	1	\$ 1,507	\$ 1,507
5901	General Insurance	Identity fraud	Mike DeVries	Lump sum	1	\$ 250	\$ 250
5901	General Insurance	Public officials bond--Treasurer (year 2 of 3)	Mike DeVries	Lump sum	1	\$ -	\$ -
5901	General Insurance	Insurance consulting fee (year 3 of 5)	Mike DeVries	Lump sum	1	\$ 29,175	\$ 29,175
5901 Total							\$ 521,076
5902	Administrative fees	Utah Lake Water Users Association	Mike DeVries	Monthly	12	\$ 8,493	\$ 101,916
5902	Administrative fees	Central Utah Project Water	Mike DeVries	Acre feet	20000	\$ 30.00	\$ 600,000
5902 Total							\$ 701,916
5903	Water Stock Assessment	Big Ditch Irrigation Company	Mike DeVries	Shares	192.6	\$ 107.50	\$ 20,705
5903	Water Stock Assessment	Big Cottonwood Lower Canal Company	Mike DeVries	Shares	20.64	\$ 22	\$ 453
5903	Water Stock Assessment	State Engineer Little Cottonwood Creek distribution assessment	Mike DeVries	Each	1	\$ 48	\$ 48
5903	Water Stock Assessment	Sandy Irrigation Company	Mike DeVries	Shares	2	\$ 8	\$ 16
5903	Water Stock Assessment	Utah Lake Distributing Company	Mike DeVries	Shares	1	\$ 43	\$ 43
5903	Water Stock Assessment	Bell Canyon Irrigation Company	Mike DeVries	Shares	1	\$ 35	\$ 35
5903 Total							\$ 21,300
5905	Miscellaneous	Water Quality Incentive Awards	Annalee Munsey	Lump sum	1	\$ 16,000	\$ 16,000
5905	Miscellaneous	Board Member Pay	Annalee Munsey	Per Member	7	\$ 4,800	\$ 33,600
5905 Total							\$ 49,600
5907	Contribution & Events	Provo River Watershed Council (year 3 of 5 at \$100,000 per year; or alternate)	Mike DeVries	Lump sum	1	\$ 100,000	\$ 100,000
5907 Total							\$ 100,000

Fiscal Year 2019 General Expenditures Worksheet							
Cost Center Name: General (20)							
Last Update: 03/15/18							
Account Number	Account Name	Description	Submitted By	Units	Quantity	Unit Price	Extended Amount
5909	Depreciation Expense	Depreciation of Capital Assets	Sonya Shepherd	Monthly	12	\$ 886,250	\$ 10,635,000
5909 Total							\$ 10,635,000
5910	Interest Expense	Variable rate debt management fees (Wells Fargo direct purchase)	Annalee Munsey	Lump sum	1	\$ 352,800	\$ 352,800
5910	Interest Expense	Synthetically Fixed \$58.8 M	Annalee Munsey	Lump sum	1	\$ 1,871,016	\$ 1,871,016
5910	Interest Expense	2012A bonds	Annalee Munsey	Lump sum	1	\$ 4,316,350	\$ 4,316,350
5910	Interest Expense	2012B bonds	Annalee Munsey	Lump sum	1	\$ 216,075	\$ 216,075
5910	Interest Expense	2015 bonds	Annalee Munsey	Lump sum	1	\$ 202,900	\$ 202,900
5910	Interest Expense	2016A bonds	Annalee Munsey	Lump sum	1	\$ 1,958,950	\$ 1,958,950
5910 Total							\$ 8,918,091
5913	Safety	Safety Incentive Program	Annalee Munsey	Lump sum	1	\$ 12,000	\$ 12,000
5913	Safety	Medical Clearance for respirator	Annalee Munsey	Lump sum	23	\$ 65	\$ 1,495
5913	Safety	Eyewash station	Annalee Munsey	Lump sum	2	\$ 500	\$ 1,000
5913	Safety	First Aid supplies	Annalee Munsey	Each	12	\$ 130	\$ 1,560
5913	Safety	Ear plugs	Annalee Munsey	Lump sum	1	\$ 300	\$ 300
5913	Safety	Secondary containment platforms	Annalee Munsey	Each	2	\$ 600	\$ 1,200
5913	Safety	Respirator cleaning wipes	Annalee Munsey	Each	4	\$ 10	\$ 40
5913	Safety	Confined space monitor (gas monitor base unit at POMWTP)	Annalee Munsey	Each	1	\$ 3,113	\$ 3,113
5913	Safety	Self retracting life line	Annalee Munsey	Each	2	\$ 285	\$ 570
5913	Safety	Absorbant materials	Annalee Munsey	Lump sum	1	\$ 1,200	\$ 1,200
5913	Safety	Lockout/tagout equipment	Annalee Munsey	Lump sum	1	\$ 100	\$ 100
5913	Safety	Safety signs	Annalee Munsey	Lump sum	1	\$ 200	\$ 200
5913	Safety	Emergency food and 72-hour supplies	Matt Tietje	Lump sum	1	\$ 1,000	\$ 1,000
5913	Safety	Books & training videos	Annalee Munsey	Lump sum	1	\$ 500	\$ 500
5913	Safety	Unified Fire Authority-hazmat permits	Matt Tietje	Lump sum	1	\$ 1,455	\$ 1,455
5913 Total							\$ 25,733
5914	Subscriptions & Publications	AWWA Standards	Annalee Munsey	Lump sum	1	\$ 1,000	\$ 1,000
5914	Subscriptions & Publications	National Safety Council Safety Magazine	Annalee Munsey	Lump sum	1	\$ 279	\$ 279
5914 Total							\$ 1,279
5916	Dues & Membership	Utah Water Users Association	Annalee Munsey	Lump sum	1	\$ 500	\$ 500
5916	Dues & Membership	Utah Association of Special Districts	Annalee Munsey	Lump sum	1	\$ 10,159	\$ 10,159
5916	Dues & Membership	Warehouse shopping accounts	Annalee Munsey	Lump sum	2	\$ 100	\$ 200
5916	Dues & Membership	Partnership for Safe Water	Annalee Munsey	Lump sum	1	\$ 1,800	\$ 1,800
5916	Dues & Membership	National Safety Council	Annalee Munsey	Lump sum	1	\$ 450	\$ 450
5916	Dues & Membership	Utah Safety Council	Annalee Munsey	Lump sum	1	\$ 200	\$ 200
5916	Dues & Membership	AWWA District Membership	Annalee Munsey	Lump sum	1	\$ 345	\$ 345
5916	Dues & Membership	Water ISAC	Annalee Munsey	Lump sum	1	\$ 2,000	\$ 2,000
5916	Dues & Membership	Water Research Foundation	Mike DeVries	Lump sum	1	\$ 10,000	\$ 10,000
5916 Total							\$ 25,654
5917	Amortization Expense	Amortization of costs and reoffering premiums associated with bonds	Sonya Shepherd	Monthly	12	\$ (23,083)	\$ (276,999)
5917 Total							\$ (276,999)

Metropolitan Water District of Salt Lake & Sandy													
Fiscal Year 2019													
OPERATIONS (22)													
Last Update:													
04/06/18													

Fiscal Year 2019 General Expenditures Worksheet
Cost Center Name: Operations (22)

Last Update:
04/06/18

Account Number	Account Name	Description	Units	Quantity	Unit Price	Extended Amount
5110	Salary and Wage Expense	Salary and wages (12 FTEs)	Pay Period	26	\$ 29,879	\$ 776,862
5110 Total						\$ 776,862
5120	Overtime Premium	Overtime premium	Pay Period	26	\$ 3,089	\$ 80,323
5120 Total						\$ 80,323
5170	On Call Pay	On Call Pay	Day	365	\$ 15	\$ 5,475
5170 Total						\$ 5,475
5210	Payroll Taxes	Employer Portion of Payroll Taxes	Pay Period	26	\$ 2,554	\$ 66,405
5210 Total						\$ 66,405
5310	Retirement Plan	URS (Utah Retirement Systems) Contribution and Employer Match	Pay Period	26	\$ 7,062	\$ 183,620
5310 Total						\$ 183,620
5320	Medical Insurance Premiums	Insurance premiums (Dental, Medical, and H.S.A. Contribution)	Monthly	12	\$ 20,978	\$ 251,738
5320 Total						\$ 251,738
5350	Insurance Premiums	AD&D, Basic Life, Long Term Disability, etc.	Monthly	12	\$ 579	\$ 6,951
5350 Total						\$ 6,951
5340	Meetings & Seminars	Operator Certification Renewals	Each	5	\$ 150	\$ 750
5340	Meetings & Seminars	Local Seminars	Lump sum	1	\$ 600	\$ 600
5340	Meetings & Seminars	Meeting refreshments	Lump sum	1	\$ 250	\$ 250
5340 Total						\$ 1,600
5410	Business Travel	AWWA Intermountain Section	Each	1	\$ 1,500	\$ 1,500
5410	Business Travel	AWWA Webinars	Lump sum	1	\$ 500	\$ 500
5410 Total						\$ 2,000
5430	Vehicle O&M	Mileage reimbursement	Miles	500	\$ 0.55	\$ 275
5430 Total						\$ 275
5610	Telephone	Cellular Phones (2)	Monthly	12	\$ 54	\$ 648
5610	Telephone	Mobile phone allowance (2)	Monthly	12	\$ 100	\$ 1,200
5610	Telephone	Allowance for cell phone replacement/parts	Each	1	\$ 200	\$ 200
5610 Total						\$ 2,048
5720	Machinery & Equipment	Equipment repairs	Lump sum	1	\$ 800	\$ 800
5720 Total						\$ 800
5810	General Supplies	Chair replacement	Each	4	\$ 300	\$ 1,200
5810	General Supplies	Blinds for POMWTP meeting room	Each	1	\$ 500	\$ 500
5810 Total						\$ 1,700
5830	Materials	pH probes	Each	2	\$ 150	\$ 300
5830	Materials	Variable volume pipettor	Each	2	\$ 222	\$ 444
5830	Materials	DPD Chlorine Dispenser	Each	1	\$ 60	\$ 60
5830	Materials	Miscellaneous laboratory supplies	Lump sum	1	\$ 300	\$ 300
5830	Materials	Gloves	Lump sum	1	\$ 600	\$ 600
5830	Materials	Kimwipes	Lump sum	1	\$ 200	\$ 200
5830	Materials	Supplies for filter inspections	Lump sum	1	\$ 400	\$ 400
5830 Total						\$ 2,304
5840	Chemicals	Aluminum Chlorohydrate (POMWTP)	Lbs.	131,300	\$ 0.237	\$ 31,118
5840	Chemicals	C 308P Cat-Floc (LCWTP) - totes	Lbs.	145,987	\$ 0.480	\$ 70,074
5840	Chemicals	C 308P Cat-Floc (POMWTP) - bulk	Lbs.	22,220	\$ 0.420	\$ 9,332
5840	Chemicals	A-6320 Anionic (POMWTP & LCWTP) - totes	Lbs.	24,761	\$ 1.960	\$ 48,532
5840	Chemicals	Chlorine (LCWTP)	Lbs.	372,220	\$ 0.24350	\$ 90,636
5840	Chemicals	Ferric Chloride (LCWTP)	Dry lbs.	1,590,671	\$ 0.2750	\$ 437,435
5840	Chemicals	Caustic Soda 50% (LCWTP)	Dry lbs.	1,211,890	\$ 0.3350	\$ 405,983
5840	Chemicals	Fluoride (LCWTP & POMWTP)	Wet. Lbs.	322,150	\$ 0.1597	\$ 51,447
5840	Chemicals	Calcium Thiosulfate (LCWTP & POMWTP)	Load	1	\$ 12,276	\$ 12,276
5840	Chemicals	Lime, Bulk (LCWTP)	Dry lbs.	288,093	\$ 0.166	\$ 47,679
5840	Chemicals	LOX (LCWTP & POMWTP)	1000FTS	33,479	\$ 3.270	\$ 109,476
5840	Chemicals	Sodium Thiosulfate (LCWTP)	Drum	-	\$ 130	\$ -
5840	Chemicals	T-Chlor (LCWTP & POMWTP)	Drum	8	\$ 150	\$ 1,200
5840	Chemicals	Salt (POMWTP)	Tons	189	\$ 85.180	\$ 16,099
5840	Chemicals	Salt (TR FWR)	Lbs.	56,675	\$ 0.080	\$ 4,534
5840	Chemicals	DPD powder in glass bottles	Each	6	\$ 44,650	\$ 268
5840	Chemicals	DPD powder packets	Each	6	\$ 20.05	\$ 120
5840	Chemicals	pH Buffers	Lump sum	1	\$ 500	\$ 500
5840 Total						\$ 1,336,709
5911	Laundry	Uniforms	Lump sum	1	\$ 2,090	\$ 2,090
5911 Total						\$ 2,090
5913	Safety	Safety Shoes/ Boots	Each	12	\$ 100	\$ 1,200
5913	Safety	Gloves (Neoprene, etc.)	Lump sum	1	\$ 300	\$ 300
5913	Safety	Safety glasses (prescription)	Each	2	\$ 200	\$ 400
5913	Safety	PVC boots	Each	3	\$ 70	\$ 210
5913	Safety	Acid bib overalls	Each	2	\$ 30	\$ 60
5913	Safety	Acid coveralls	Each	2	\$ 47	\$ 94
5913	Safety	Acid jacket	Each	2	\$ 30	\$ 60
5913	Safety	Safety Goggles/glasses	Lump sum	1	\$ 100	\$ 100
5913	Safety	Respirator Cartridges	Each	3	\$ 15	\$ 45
5913 Total						\$ 2,469
5914	Subscriptions & Publications	Subscriptions and Publications	Lump sum	1	\$ 300	\$ 300
5914 Total						\$ 300

Metropolitan Water District of Salt Lake & Sandy													
Fiscal Year 2019													
MAINTENANCE (23)													
Last Update:													
04/06/18													
Account	Description	Actual FY 2015	Actual FY 2016	Actual FY 2017	3-Year Average (FY 2015-2017)	Budget FY 2018	Actual 1/31/2018	% of Total Spent YTD FY 2018	% of Total Spent YTD 3-year average	Projected Spend FY 2018	Projected Spend to Budget over/(under) for FY 2018	Budget FY 2019	% Change from FY 2018 Budget
5110	Salary & Wage Exp.	1,035,459	1,073,446	1,017,948	1,042,284	988,493	543,329	54.97%	56.52%	973,126	(15,367)	1,056,015	6.83%
5120	Overtime Premium	14,342	6,229	13,307	11,293	13,299	617	4.64%	32.64%	9,575	(3,724)	13,000	-2.25%
5131	Sick Leave	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5170	On Call Pay	5,484	5,490	5,160	5,378	5,475	2,640	48.22%	57.70%	4,956	(519)	5,475	0.00%
5190	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5210	Payroll Taxes	85,004	86,175	81,682	84,287	79,738	42,581	53.40%	57.37%	76,573	(3,165)	82,949	4.03%
	Salaries and Wages	1,140,289	1,171,340	1,118,097	1,143,242	1,087,005	589,167	54.20%		1,064,230	(22,775)	1,157,439	6.48%
5310	Retirement Plan	209,092	222,130	206,058	212,427	198,277	109,684	55.32%	59.27%	190,443	(7,834)	208,463	5.14%
5320	Medical Insurance Premiums	371,334	350,814	372,106	364,751	403,019	217,498	53.97%	58.75%	383,743	(19,276)	404,206	0.29%
5330	Tuition Aid Program	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5350	Insurance Premiums	12,175	12,147	11,669	11,997	12,108	6,635	54.80%	58.52%	11,657	(451)	12,071	-0.30%
	Employee Benefits	592,601	585,091	589,833	589,175	613,404	333,817	54.42%		585,843	(27,561)	624,740	1.85%
5340	Meetings & Seminars	3,849	4,917	1,445	3,404	3,100	1,471	47.46%	68.59%	2,445	(655)	4,250	37.10%
	Employee Training	3,849	4,917	1,445	3,404	3,100	1,471	47.45%		2,445	(655)	4,250	37.10%
5410	Business Travel	2,603	3,290	-	1,964	3,600	2,036	56.56%	81.97%	2,685	(915)	3,000	-16.67%
5430	Vehicle O & M	1,147	1,120	436	901	642	154	23.99%	44.46%	511	(131)	660	2.80%
	Transportation	3,750	4,410	436	2,865	4,242	2,190	51.63%		3,196	(1,046)	3,660	-13.72%
5510	Legal	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5520	Accounting	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5530	Contract Services	159,296	107,721	134,814	133,944	132,692	51,332	38.69%	40.88%	129,780	(2,912)	166,897	25.78%
5540	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Professional Services	159,296	107,721	134,814	133,944	132,692	51,332	38.69%		129,780	(2,912)	166,897	25.78%
5610	Telephone	2,486	2,280	1,955	2,240	1,840	840	45.65%	59.24%	1,590	(250)	1,440	-21.74%
5620	Electricity	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5630	Natural Gas	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5640	Radio Communications	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5650	Water	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Utilities	2,486	2,280	1,955	2,240	1,840	840	45.65%		1,590	(250)	1,440	-21.74%
5710	Buildings & Grounds	107,367	144,078	71,153	107,533	88,520	48,599	54.90%	78.84%	67,329	(21,191)	96,020	8.47%
5720	Machinery & Equipment	73,316	63,293	45,889	60,833	62,391	29,535	47.34%	61.78%	53,381	(9,010)	60,041	-3.77%
	Repairs and Maintenance	180,683	207,371	117,042	168,366	150,911	78,134	51.77%		120,710	(30,201)	156,061	3.41%
5810	General Supplies	7,842	11,944	9,861	9,882	10,415	7,952	76.35%	55.24%	12,613	2,198	10,415	0.00%
5820	Office Supplies	-	100	-	33	-	-	N/A	100.00%	-	-	-	N/A
5830	Materials	100,666	92,136	83,813	92,205	100,316	47,567	47.42%	54.89%	92,820	(7,496)	100,646	0.33%
5840	Chemicals and Supplies	21,797	6,630	5,436	11,288	5,600	2,412	43.07%	44.41%	5,525	(75)	9,600	71.43%
5850	Computer & Instr. Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Chemicals and Supplies	130,305	110,810	99,110	113,408	116,331	57,931	49.80%		110,958	(5,373)	120,661	3.72%
5901	General Insurance	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5902	Administrative Fees	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5903	Water Stock Assessment	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5904	Rent Exp.	1,066	12,066	4,451	5,861	15,230	-	0.00%	73.39%	4,053	(11,177)	13,550	-11.03%
5905	Miscellaneous	48	-	-	16	-	-	N/A	0.00%	-	-	-	N/A
5906	Postage & Freight Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5907	Contributions & Events	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5909	Depreciation Expense	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5910	Interest Expense	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5911	Laundry	4,581	4,644	4,929	4,718	4,500	3,546	78.80%	67.59%	3,546	(954)	4,500	0.00%
5913	Safety	5,451	11,613	11,893	9,652	5,821	6,062	104.14%	55.24%	8,667	2,846	5,953	2.27%
5914	Subscriptions & Publications	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5915	Outside Printing	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5916	Dues & Memberships	-	-	560	187	1,510	1,130	74.83%	67.86%	1,615	105	970	-35.76%
5917	Amortization Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Other Expenses	11,146	28,323	21,833	20,434	27,061	10,738	39.68%		17,881	(9,180)	24,973	-7.72%
	Total Expenses	2,224,405	2,222,263	2,084,565	2,177,078	2,136,586	1,125,620	52.68%		2,036,633	(99,953)	2,260,121	5.78%
					Excluding personnel costs	436,177						477,942	9.58%

Fiscal Year 2019 General Expenditures Worksheet

Cost Center Name:	Maintenance (23)					
Last Update:						
04/06/18						
Account Number	Account Name	Description	Units	Quantity	Unit Price	Extended Amount
5110	Salary and Wage Expense	Salary and wages (21 FTEs plus 1 Seasonal plus skill-based pay)	Pay Period	26	\$ 40,616	\$ 1,056,015
5110 Total						\$ 1,056,015
5120	Overtime Premium	Overtime premium	Pay Period	26	\$ 500	\$ 13,000
5120 Total						\$ 13,000
5170	On Call Pay	On Call Pay	Daily	365	\$ 15	\$ 5,475
5170 Total						\$ 5,475
5210	Payroll Taxes	Employer Portion of Payroll Taxes	Pay Period	26	\$ 3,190	\$ 82,949
5210 Total						\$ 82,949
5310	Retirement Plan	URS (Utah Retirement Systems) Contribution and Employer Match	Pay Period	26	\$ 8,018	\$ 208,463
5310 Total						\$ 208,463
5320	Medical Insurance Premiums	Insurance premiums (Dental, Medical, and H.S.A. Contribution)	Monthly	12	\$ 33,684	\$ 404,206
5320 Total						\$ 404,206
5350	Insurance Premiums	AD&D, Basic Life, Long Term Disability, etc.	Monthly	12	\$ 1,006	\$ 12,071
5350 Total						\$ 12,071
5340	Meetings & Seminars	Backflow Prevention Seminar & Training	Each	2	\$ 100	\$ 200
5340	Meetings & Seminars	Local Seminars	Each	5	\$ 200	\$ 1,000
5340	Meetings & Seminars	Refreshments for Maintenance sponsored coordination	Lump sum	1	\$ 1,000	\$ 1,000
5341	Meetings & Seminars	Backflow Certification & Renewals	Each	1	\$ 700	\$ 700
5340	Meetings & Seminars	Operator Certification Renewals	Each	9	\$ 150	\$ 1,350
5340 Total						\$ 4,250
5410	Business Travel	AWWA Intermountain Section	Each	2	\$ 1,500	\$ 3,000
5410 Total						\$ 3,000
5430	Vehicle O & M	Mileage reimbursement	Miles	1200	\$ 0.55	\$ 660
5430 Total						\$ 660
5530	Contract Services	HVAC Equipment Service	Lump sum	1	\$ 13,000	\$ 13,000
5530	Contract Services	Generator Preventative Maintenance Service	Lump sum	1	\$ 13,320	\$ 13,320
5530	Contract Services	Painting Services	Lump sum	1	\$ 25,000	\$ 25,000
5530	Contract Services	Asphalt Repair LCWTP (Slurry coat/Crack sealant)	Lump sum	1	\$ 20,000	\$ 20,000
5530	Contract Services	Elevator Service Contract & State Fees	Monthly	12	\$ 450	\$ 5,400
5530	Contract Services	Crane Inspection & Service	Lump sum	1	\$ 1,210	\$ 1,210
5530	Contract Services	Fire Extinguisher Service (Suppression, Sprinkler, etc.)	Lump sum	1	\$ 1,600	\$ 1,600
5530	Contract Services	Boiler Inspection, Repair & Service - LCWTP & POMWTP	Lump sum	1	\$ 6,700	\$ 6,700
5530	Contract Services	Misc Contract Services (Geese Relocation, Waste Oil, Pump Sewer, etc.)	Lump sum	1	\$ 1,500	\$ 1,500
5530	Contract Services	Pump Repair	Lump sum	1	\$ 6,100	\$ 6,100
5530	Contract Services	Hazardous Waste Disposal	Lump sum	1	\$ 1,000	\$ 1,000
5530	Contract Services	Ozone Nitrogen Boost Compressor Service - LCWTP & POMWTP	Each	2	\$ 3,416	\$ 6,832
5530	Contract Services	Fuel Tank Inspection	Lump sum	1	\$ 2,000	\$ 2,000
5530	Contract Services	Underground Storage Tank Program - (UST Fund)	Lump sum	1	\$ 1,650	\$ 1,650
5530	Contract Services	Garage door repairs	Lump sum	1	\$ 3,500	\$ 3,500
5530	Contract Services	Machine Repair and Unexpected Service Costs	Lump sum	1	\$ 15,000	\$ 15,000
5530	Contract Services	Fence Installation	Lump sum	1	\$ 5,000	\$ 5,000
5531	Contract Services	DOT Physical Exams	Each	9	\$ 65	\$ 585
5530	Contract Services	Tree Removal	Lump sum	1	\$ 5,000	\$ 5,000
5529	Contract Services	POMA Pigging	Lump sum	1	\$ 20,000	\$ 20,000
5530	Contract Services	Cleaning Services LCWTP	Lump sum	1	\$ 12,500	\$ 12,500
5530 Total						\$ 166,897
5610	Telephone	Mobile Phone Allowances (3)	Monthly	12	\$ 120	\$ 1,440
5610 Total						\$ 1,440
5710	Buildings & Grounds	Painting Supplies	Lump sum	1	\$ 2,400	\$ 2,400
5710	Buildings & Grounds	Salt (Water Softener, Ice Melt, etc.)	Lump sum	1	\$ 3,000	\$ 3,000
5710	Buildings & Grounds	Repair Supplies (concrete repairs etc.)	Lump sum	1	\$ 4,000	\$ 4,000
5710	Buildings & Grounds	Fertilizer/weed killer/gopher bait	Lump sum	1	\$ 1,000	\$ 1,000
5710	Buildings & Grounds	Sprinkler supplies (controller, pop-up, rain birds, solenoids, misc.)	Lump sum	1	\$ 1,500	\$ 1,500
5710	Buildings & Grounds	Tools (shovels, rakes, loppers, shears, hand pruners, saws, snow shovels etc.)	Lump sum	1	\$ 1,120	\$ 1,120
5711	Buildings & Grounds	Equipment supplies (oil, chains, weed trimming line, wasp spray, misc.)	Lump sum	1	\$ 1,000	\$ 1,000
5712	Buildings & Grounds	Asphalt Crack Sealing Compound	Lump sum	1	\$ 2,000	\$ 2,000
5710	Buildings & Grounds	Gravel/Landscape Rock	Lump sum	1	\$ 5,000	\$ 5,000
5710	Buildings & Grounds	Cleaning of Drying Beds	Lump sum	1	\$ 75,000	\$ 75,000
5710 Total						\$ 96,020
5720	Machinery & Equipment	Power Tools (Cordless Drill, Drill etc.)	Lump sum	1	\$ 1,500	\$ 1,500
5720	Machinery & Equipment	Hand Tools	Lump sum	1	\$ 3,000	\$ 3,000
5720	Machinery & Equipment	Ozone corrosion inhibitor monitoring	Each	2	\$ 125	\$ 250
5720	Machinery & Equipment	Golf Cart Enclosure	Each	2	\$ 325	\$ 650
5720	Machinery & Equipment	Pump, Drum	Each	1	\$ 1,200	\$ 1,200
5720	Machinery & Equipment	Pump, Sample	Each	2	\$ 1,200	\$ 2,400
5720	Machinery & Equipment	Pumps, Submersible (Standard - Small)	Each	1	\$ 1,650	\$ 1,650
5720	Machinery & Equipment	Pump, Chemical sump	Each	2	\$ 1,250	\$ 2,500
5720	Machinery & Equipment	Pump Parts, Chemical Resistant	Each	1	\$ 300	\$ 300
5720	Machinery & Equipment	Pump, Submersible (Large, two stage)	Each	1	\$ 1,875	\$ 1,875
5720	Machinery & Equipment	Pipe & Valve - Projects	Lump sum	1	\$ 10,000	\$ 10,000
5720	Machinery & Equipment	Sodium Hypochlorite Parts	Lump sum	1	\$ 3,300	\$ 3,300
5720	Machinery & Equipment	Shop vacuum	Each	2	\$ 150	\$ 300
5720	Machinery & Equipment	Ladders	Lump sum	1	\$ 1,100	\$ 1,100
5720	Machinery & Equipment	Chlorine tank mount feeders	Each	2	\$ 3,100	\$ 6,200
5720	Machinery & Equipment	HVAC Equipment	Lump sum	1	\$ 15,900	\$ 15,900
5720	Machinery & Equipment	Weed trimmer (Heavy duty)	Each	2	\$ 400	\$ 800
5721	Machinery & Equipment	Lawn Mower (walk behind)	Each	1	\$ 1,000	\$ 1,000
5720	Machinery & Equipment	Chain saw	Each	1	\$ 400	\$ 400
5720	Machinery & Equipment	Two-stage snow blower	Each	1	\$ 2,500	\$ 2,500
5720	Machinery & Equipment	Equipment tires	Lump sum	1	\$ 3,216	\$ 3,216
5720 Total						\$ 60,041
5810	General Supplies	Janitorial - Paper Products	Lump sum	1	\$ 5,850	\$ 5,850
5810	General Supplies	Janitorial - Cleaning Supplies	Lump sum	1	\$ 3,305	\$ 3,305

Fiscal Year 2019 General Expenditures Worksheet

Cost Center Name:	Maintenance (23)					
Last Update:						
04/06/18						
Account Number	Account Name	Description	Units	Quantity	Unit Price	Extended Amount
5810	General Supplies	Furniture	Lump sum	1	\$ 1,000	\$ 1,000
5810	General Supplies	Flags/Repairs	Lump sum	1	\$ 260	\$ 260
5810 Total						\$ 10,415
5830	Materials	Hose Supplies (Fire, Peristaltic Pump Hose, etc.)	Lump sum	1	\$ 3,776	\$ 3,776
5830	Materials	Air System Parts	Lump sum	1	\$ 868	\$ 868
5830	Materials	Chlorine Parts	Lump sum	1	\$ 10,670	\$ 10,670
5830	Materials	Polymer Feeder Parts	Lump sum	1	\$ 5,506	\$ 5,506
5830	Materials	Pump, Parts	Lump sum	1	\$ 5,221	\$ 5,221
5830	Materials	Pipe, Tubing, Fittings & Valves	Lump sum	1	\$ 4,366	\$ 4,366
5830	Materials	Ozone Parts	Lump sum	1	\$ 4,423	\$ 4,423
5830	Materials	Fasteners	Lump sum	1	\$ 680	\$ 680
5830	Materials	Oil Test Kits	Lump sum	1	\$ 1,560	\$ 1,560
5830	Materials	Welding Supplies	Lump sum	1	\$ 1,013	\$ 1,013
5830	Materials	Irrigation Meter Parts	Lump sum	1	\$ 1,000	\$ 1,000
5830	Materials	Screen Rake Parts	Lump sum	1	\$ 575	\$ 575
5830	Materials	V-belts, HVAC	Lump sum	1	\$ 1,284	\$ 1,284
5830	Materials	Shop Stock Steel (aqueduct gate material)	Lump sum	1	\$ 6,000	\$ 6,000
5830	Materials	Lubrication Supplies	Lump sum	1	\$ 5,865	\$ 5,865
5830	Materials	HVAC Filters	Lump sum	1	\$ 5,367	\$ 5,367
5830	Materials	Steam Traps & Parts	Lump sum	1	\$ 7,000	\$ 7,000
5830	Materials	Light Bulbs	Lump sum	1	\$ 5,500	\$ 5,500
5830	Materials	Traveling Screen Parts	Lump sum	1	\$ 500	\$ 500
5830	Materials	Golf Cart Maintenance (Tires, Batteries, Repairs, etc.)	Lump sum	1	\$ 3,000	\$ 3,000
5830	Materials	Miscellaneous batteries	Lump sum	1	\$ 1,372	\$ 1,372
5830	Materials	Dumping Fees	Lump sum	1	\$ 4,000	\$ 4,000
5830	Materials	Concrete repair supplies	Lump sum	1	\$ 1,000	\$ 1,000
5830	Materials	General Expendables (nuts, bolts, saw blades, tape, etc.)	Lump sum	1	\$ 10,500	\$ 10,500
5830	Materials	Corridor Access Control/Maintenance (fencing, large boulders)	Lump sum	1	\$ 6,600	\$ 6,600
5830	Materials	Backflow Preventer Repair Parts	Lump sum	1	\$ 3,000	\$ 3,000
5830 Total						\$ 100,646
5840	Chemicals	Boiler chemicals	Lump sum	1	\$ 5,000	\$ 5,000
5840	Chemicals	Acid, cleaning	Lump sum	1	\$ 600	\$ 600
5840	Chemicals	Caustic Soda Refill for Chlorine Scrubber - LCWTP	Lump sum	1	\$ 4,000	\$ 4,000
5840 Total						\$ 9,600
5904	Rent Expense	Track hoe	Each	3	\$ 1,150	\$ 3,450
5904	Rent Expense	Boom Lift	Weekly	2	\$ 1,300	\$ 2,600
5904	Rent Expense	Stump grinder	Each	2	\$ 250	\$ 500
5904	Rent Expense	Machine rental (mini-excavator) - Road re-establishment along SLA	Weekly	2	\$ 1,000	\$ 2,000
5904	Rent Expense	Conditional Assessment - SLA/FW	Lump Sum	1	\$ 5,000	\$ 5,000
5904 Total						\$ 13,550
5911	Laundry	Uniforms, Coveralls	Lump sum	1	\$ 4,000	\$ 4,000
5911	Laundry	Cleaning Supplies	Lump sum	1	\$ 500	\$ 500
5911 Total						\$ 4,500
5913	Safety	Safety Shoes/Boots	Each	21	\$ 100	\$ 2,100
5913	Safety	Safety Shoes/boots - Seasonal	Each	3	\$ 75	\$ 225
5913	Safety	Rubber Boot Replacements	Each	6	\$ 30	\$ 180
5913	Safety	Safety Glasses, Goggles	Lump sum	5	\$ 200	\$ 1,000
5913	Safety	PPE (Personal Protective Equipment) - Miscellaneous	Lump sum	1	\$ 700	\$ 700
5913	Safety	Hard Hats	Each	12	\$ 27	\$ 324
5913	Safety	Rain Gear	Each	12	\$ 77	\$ 924
5913	Safety	Barricades, Signs & Traffic Cones	Lump sum	1	\$ 500	\$ 500
5913 Total						\$ 5,953

Metropolitan Water District of Salt Lake & Sandy

Fiscal Year 2019

INFORMATION SERVICES (24)

Last Update:

04/06/18

Account	Description	Actual FY 2015	Actual FY 2016	Actual FY 2017	3-Year Average (FY 2015-2017)	Budget FY 2018	Actual 1/31/2018	% of Total Spent YTD FY 2018	% of Total Spent YTD 3-year average	Projected Spend FY 2018	Projected Spend to Budget over/(under) for FY 2018	Budget FY 2019	% Change from FY 2018 Budget
5110	Salary & Wage Exp.	903,588	1,009,337	1,069,897	994,274	1,113,421	570,122	51.20%	55.76%	1,062,700	(50,721)	931,531	-16.34%
5120	Overtime Premium	1,622	3,019	1,915	2,186	2,711	1,553	57.29%	46.17%	3,012	301	2,711	0.00%
5131	Sick Leave	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5170	On Call Pay	5,484	5,490	5,475	5,483	5,475	3,060	55.89%	56.59%	5,437	(38)	5,475	0.00%
5190	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5210	Payroll Taxes	72,734	79,316	82,344	78,131	86,808	43,692	50.33%	55.76%	82,096	(4,712)	72,300	-16.71%
	Salaries and Wages	983,428	1,097,162	1,159,631	1,080,074	1,208,416	618,427	51.18%		1,153,245	(55,170)	1,012,017	-16.25%
5310	Retirement Plan	186,508	215,365	223,088	208,320	236,827	122,770	51.84%	58.48%	221,101	(15,726)	196,366	-17.08%
5320	Medical Insurance Premiums	235,066	235,458	270,303	246,942	303,793	157,796	51.94%	58.57%	283,658	(20,135)	254,275	-16.30%
5330	Tuition Aid Program	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5350	Insurance Premiums	7,542	7,486	7,694	7,574	8,072	4,221	52.29%	58.69%	7,555	(517)	6,922	-14.24%
	Employee Benefits	429,116	458,309	501,085	462,836	548,692	284,787	51.90%		512,314	(36,378)	457,563	-16.61%
5340	Meetings & Seminars	7,680	4,942	5,876	6,166	17,529	1,726	9.84%	21.41%	15,502	(2,027)	17,532	0.02%
	Employee Training	7,680	4,942	5,876	6,166	17,529	1,726	9.85%		15,502	(2,027)	17,532	0.02%
5410	Business Travel	13,277	7,189	14,574	11,680	18,000	13,603	75.57%	43.06%	23,852	5,852	18,000	0.00%
5430	Vehicle O & M	520	946	1,151	872	1,065	624	58.65%	59.08%	1,060	(5)	1,095	2.80%
	Transportation	13,797	8,135	15,725	12,552	19,065	14,227	74.63%		24,912	5,847	19,095	0.16%
5510	Legal	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5520	Accounting	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5530	Contract Services	249,695	293,984	229,430	257,703	338,730	79,185	23.38%	32.90%	306,473	(32,257)	325,550	-3.89%
5540	Other	19,193	23,118	59,312	33,874	25,480	7,911	31.05%	46.24%	21,609	(3,871)	26,680	4.71%
	Professional Services	268,888	317,102	288,742	291,577	364,210	87,096	23.91%		328,082	(36,128)	352,230	-3.29%
5610	Telephone	6,240	6,470	6,400	6,370	6,720	3,610	53.72%	58.24%	6,416	(304)	6,720	0.00%
5620	Electricity	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5630	Natural Gas	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5640	Radio Communications	7,291	7,810	8,985	8,029	11,412	3,871	33.92%	53.04%	9,230	(2,182)	11,400	-0.11%
5650	Water	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Utilities	13,531	14,280	15,385	14,399	18,132	7,481	41.26%		15,646	(2,486)	18,120	-0.07%
5710	Buildings & Grounds	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5720	Machinery & Equipment	149,002	145,493	164,013	152,836	165,096	43,040	26.07%	51.69%	122,798	(42,298)	165,096	0.00%
	Repairs and Maintenance	149,002	145,493	164,013	152,836	165,096	43,040	26.07%		122,798	(42,298)	165,096	0.00%
5810	General Supplies	5,196	5,638	5,075	5,303	5,300	2,340	44.16%	58.26%	4,552	(748)	5,300	0.00%
5820	Office Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5830	Materials	59,023	53,339	51,283	54,548	48,732	10,903	22.37%	38.49%	40,879	(7,853)	54,532	11.90%
5840	Chemicals	16,578	8,454	13,007	12,680	14,792	9,876	66.76%	59.56%	15,857	1,065	14,792	0.00%
5850	Computer & Instr. Supplies	100,465	97,894	115,989	104,783	104,784	79,906	76.26%	69.30%	112,075	7,291	104,784	0.00%
	Chemicals and Supplies	181,262	165,325	185,354	177,314	173,608	103,025	59.34%		173,363	(245)	179,408	3.34%
5901	General Insurance	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5902	Administrative Fees	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5903	Water Stock Assessment	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5904	Rent Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5905	Miscellaneous	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5906	Postage & Freight Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5907	Contributions & Events	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5909	Depreciation Expense	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5910	Interest Expense	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5911	Laundry	1,849	1,960	1,788	1,866	1,905	1,508	79.16%	74.30%	1,508	(397)	1,905	0.00%
5913	Safety	2,366	4,111	3,065	3,181	4,303	581	13.50%	52.31%	2,633	(1,670)	4,303	0.00%
5914	Subscriptions & Publications	-	-	13	4	379	77	20.31%	0.00%	456	77	379	0.00%
5915	Outside Printing	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5916	Dues & Memberships	500	-	750	417	1,000	750	75.00%	132.00%	1,000	-	1,000	0.00%
5917	Amortization Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Other Expenses	4,715	6,071	5,616	5,468	7,587	2,916	38.43%		5,597	(1,990)	7,587	0.00%
	Total Expenses	2,051,419	2,216,819	2,341,427	2,203,222	2,522,335	1,162,725	46.10%		2,351,459	(170,875)	2,228,648	-11.64%
				Excluding personnel costs		765,227						759,068	-0.80%

Fiscal Year 2019 General Expenditures Worksheet

Cost Center Name:	Information Services (24)					
Last Update:						
04/06/18						
Account Number	Account Name	Description	Units	Quantity	Unit Price	Extended Amount
5110	Salary and Wage Expense	Salary and wages (12 FTEs)	Pay Period	26	\$ 35,828	\$ 931,531
5110 Total						\$ 931,531
5120	Overtime Premium	Overtime premium	Pay Period	26	\$ 104	\$ 2,711
5120 Total						\$ 2,711
5170	On Call Pay	On Call Pay	Daily	365	\$ 15	\$ 5,475
5170 Total						\$ 5,475
5210	Payroll Taxes	Employer Portion of Payroll Taxes	Pay Period	26	\$ 2,781	\$ 72,300
5210 Total						\$ 72,300
5310	Retirement Plan	URS (Utah Retirement Systems) Contribution and Employer Match	Pay Period	26	\$ 7,553	\$ 196,366
5310 Total						\$ 196,366
5320	Medical Insurance Premiums	Insurance premiums (Dental, Medical, and H.S.A. Contribution)	Monthly	12	\$ 21,190	\$ 254,275
5320 Total						\$ 254,275
5350	Insurance Premiums	AD&D, Basic Life, Long Term Disability, etc.	Monthly	12	\$ 577	\$ 6,922
5350 Total						\$ 6,922
5340	Meetings & Seminars	Process Control/Supervisory Control And Data Acquisition (PC/S) configuration and maintenance training	Each	1	\$ 3,000	\$ 3,000
5340	Meetings & Seminars	Microsoft server training	Each	1	\$ 3,000	\$ 3,000
5340	Meetings & Seminars	Pluralsight online Training	Each	4	\$ 260	\$ 1,040
5340	Meetings & Seminars	SaintCon--cyber security	Each	4	\$ 300	\$ 1,200
5340	Meetings & Seminars	Bsides--cyber security	Each	2	\$ 100	\$ 200
5340	Meetings & Seminars	Instrumentation, control system, and electrical system safety, troubleshooting, maintenance, and calibration	Each	4	\$ 1,060	\$ 4,240
5340	Meetings & Seminars	Electrical code training	Each	2	\$ 1,500	\$ 3,000
5340	Meetings & Seminars	Nace CP1 cathodic tester	Each	1	\$ 1,552	\$ 1,552
5340	Meetings & Seminars	Refreshments for IS meetings and training	Lump sum	1	\$ 300	\$ 300
5340 Total						\$ 17,532
5410	Business Travel	PC/S and Enterprise cyber security training and certifications	Each	2	\$ 5,600	\$ 11,200
5410	Business Travel	PC/S and Enterprise cyber security conference	Each	1	\$ 5,300	\$ 5,300
5410	Business Travel	Water and Wastewater CIO Forum Conference and training	Each	1	\$ 1,500	\$ 1,500
5410 Total						\$ 18,000
5430	Vehicle O&M	Mileage reimbursement	Miles	1990	\$ 0.55	\$ 1,095
5430 Total						\$ 1,095
5530	Contract Services	AutoCAD renewal (1 full license)	Each	1	\$ 600	\$ 600
5530	Contract Services	E-mail security and anti-spam software renewal	Lump sum	1	\$ 800	\$ 800
5530	Contract Services	Server, workstation, and e-mail antivirus and cyber firewall software renewals	Lump sum	1	\$ 2,000	\$ 2,000
5530	Contract Services	Maintenance renewal and additional licenses for the District's web filtering server	Lump sum	1	\$ 2,000	\$ 2,000
5530	Contract Services	Virtual machine client software renewals and additional licenses	Lump sum	1	\$ 900	\$ 900
5530	Contract Services	Virtual machine server administration and data backup software renewals and additional licenses	Lump sum	1	\$ 12,500	\$ 12,500
5530	Contract Services	Remote administration software renewal	Lump sum	1	\$ 2,950	\$ 2,950
5530	Contract Services	Web development software renewal	Lump sum	1	\$ 800	\$ 800
5530	Contract Services	Cyber security analysis and intrusion detection software renewals	Lump sum	1	\$ 7,600	\$ 7,600
5530	Contract Services	PC/S human machine software interface (HMI) software licenses, renewals, and maintenance	Lump sum	1	\$ 45,000	\$ 45,000
5530	Contract Services	PC/S programmable logic controller (PLC) software licenses, renewals, and maintenance	Lump sum	1	\$ 18,000	\$ 18,000
5530	Contract Services	Enterprise Content Management (ECM)--software renewal	Lump sum	1	\$ 4,500	\$ 4,500
5530	Contract Services	Financial Information System (FIS) and Fixed Asset Software (FAS) renewal	Lump sum	1	\$ 5,000	\$ 5,000
5530	Contract Services	Laboratory Information Management System (LIMS) software renewal	Lump sum	1	\$ 23,500	\$ 23,500
5530	Contract Services	Enterprise Asset Management (EAM) software renewal	Lump sum	1	\$ 6,500	\$ 6,500
5530	Contract Services	New server operating system licenses	Each	4	\$ 1,600	\$ 6,400
5530	Contract Services	Desktop PC operating system, server client access, and office software license renewals, upgrades, and purchases	Lump sum	1	\$ 4,200	\$ 4,200
5530	Contract Services	Computer programming software library	Lump sum	1	\$ 2,000	\$ 2,000
5530	Contract Services	GIS software licenses, renewals, and maintenance	Lump sum	1	\$ 6,500	\$ 6,500
5530	Contract Services	SmartNet maintenance and service renewal for Cisco equipment (PC/S switches, PC/S routers, Voice over Internet Protocol (VoIP), Security Control Systems (SCS) network, etc.)	Lump sum	1	\$ 29,000	\$ 29,000
5530	Contract Services	Document management scanner hardware renewals	Lump sum	1	\$ 1,000	\$ 1,000
5530	Contract Services	Document management system--support services	Lump sum	1	\$ 6,000	\$ 6,000
5530	Contract Services	Ozone system instrumentation and electrical equipment repair, calibration, and support services	Lump sum	1	\$ 8,800	\$ 8,800
5530	Contract Services	Instrumentation maintenance, consulting, communications, and support services	Lump sum	1	\$ 12,000	\$ 12,000
5530	Contract Services	PC/S programming services	Lump sum	1	\$ 20,000	\$ 20,000
5530	Contract Services	EAM implementation consulting, programming, and support services	Lump sum	1	\$ 12,000	\$ 12,000
5530	Contract Services	Heating, Ventilation, and Air Conditioning (HVAC) control system maintenance contracts and support	Lump sum	1	\$ 900	\$ 900
5530	Contract Services	Uninterruptible Power Supply (UPS) service contracts and maintenance	Lump sum	1	\$ 4,600	\$ 4,600
5530	Contract Services	Fire alarm system maintenance and support services	Lump sum	1	\$ 6,100	\$ 6,100
5530	Contract Services	Point of the Mountain Water Treatment Plant (POMWTP) Finished Water Pump Station (FWPS) variable frequency drives--emergency repairs and services	Lump sum	1	\$ 10,000	\$ 10,000
5530	Contract Services	Cathodic protection annual survey (aqueducts and water treatment plants)	Lump sum	1	\$ 22,000	\$ 22,000
5530	Contract Services	Telephone system maintenance, ISP services, and Web hosting services	Lump sum	1	\$ 15,000	\$ 15,000
5530	Contract Services	IT network hardware/software consulting, configuration, and security services	Lump sum	1	\$ 9,100	\$ 9,100
5530	Contract Services	Server, desktop, and laptop PCs maintenance and service renewals	Lump sum	1	\$ 12,000	\$ 12,000
5530	Contract Services	Electronics disposal/recycling services	Lump sum	1	\$ 500	\$ 500
5530	Contract Services	Copier maintenance contracts	Lump sum	1	\$ 4,800	\$ 4,800
5530 Total						\$ 325,550
5540	Other	SCS maintenance and support services	Lump sum	1	\$ 18,880	\$ 18,880
5540	Other	Little Cottonwood Water Treatment Plant (LCWTP)--SCS camera end of life replacements for operations and security	Each	2	\$ 3,000	\$ 6,000
5540	Other	LCWTP--SCS camera monitor replacement	Lump sum	1	\$ 1,200	\$ 1,200
5540	Other	SCS controller battery replacements	Each	1	\$ 600	\$ 600
5540 Total						\$ 26,680

Fiscal Year 2019 General Expenditures Worksheet
Cost Center Name: Information Services (24)
Last Update:
04/06/18

Account Number	Account Name	Description	Units	Quantity	Unit Price	Extended Amount
5610	Telephone	Mobile phone allowances (12)	Monthly	12	\$ 560	\$ 6,720
5610 Total						\$ 6,720
5640	Radio Communications	Oquirrh Mountain repeater site lease fees and FCC frequency renewals--PC/S and voice radio systems	Monthly	12	\$ 475	\$ 5,700
5640	Radio Communications	Utah Communication Agency Network (UCAN) services	Quarterly	4	\$ 700	\$ 2,800
5640	Radio Communications	PC/S RTU and other District licensed radio equipment repairs and replacements	Lump sum	1	\$ 2,900	\$ 2,900
5640 Total						\$ 11,400
5720	Machinery & Equipment	Ozone system instrumentation and controls repairs and replacement parts	Lump sum	1	\$ 13,151	\$ 13,151
5720	Machinery & Equipment	PC/S Programmable Logic Controller (PLC) replacement parts (plant PLCs, Remote Telemetry Units (RTUs), etc.)	Lump sum	1	\$ 14,040	\$ 14,040
5720	Machinery & Equipment	Ozone generator dielectrics--replace 1088/year	Each	1088	\$ 44	\$ 47,872
5720	Machinery & Equipment	Ultrasonic flow meter replacement probes and spare parts	Lump sum	1	\$ 4,700	\$ 4,700
5720	Machinery & Equipment	Water quality instrument replacement parts and calibration equipment	Lump sum	1	\$ 30,598	\$ 30,598
5720	Machinery & Equipment	POMWTP ultraviolet (UV) lamps--400 total--replace 50/year	Each	25	\$ 179	\$ 4,475
5720	Machinery & Equipment	POMWTP UV boards/ballasts, quartz tubes, instrumentation, and spectrophotometer replacement parts	Lump sum	1	\$ 6,750	\$ 6,750
5720	Machinery & Equipment	Actuator replacement parts	Lump sum	1	\$ 14,240	\$ 14,240
5720	Machinery & Equipment	Headloss differential pressure meter replacements for LCWTP filters	Each	4	\$ 2,400	\$ 9,600
5720	Machinery & Equipment	Confined space monitoring equipment cell sensors	Each	1	\$ 1,200	\$ 1,200
5720	Machinery & Equipment	PC/S controls replacement parts, repairs, and accessories (batteries, relays, power backup, and electrical controls components, etc.)	Lump sum	1	\$ 18,470	\$ 18,470
5720 Total						\$ 165,096
5810	General Supplies	I&E tools and equipment	Lump sum	1	\$ 4,900	\$ 4,900
5810	General Supplies	IT tools and equipment	Lump sum	1	\$ 400	\$ 400
5810 Total						\$ 5,300
5830	Materials	Electrical materials and supplies (conduit, parts, fuses, etc.)	Lump sum	1	\$ 4,060	\$ 4,060
5830	Materials	Electrical motor replacements	Lump sum	1	\$ 4,000	\$ 4,000
5830	Materials	Emergency lights and batteries (power outages, etc.)	Each	1	\$ 768.0	\$ 768
5830	Materials	LED light ballasts	Lump sum	1	\$ 5,000	\$ 5,000
5830	Materials	LED light fixtures	Each	30	\$ 193	\$ 5,800
5830	Materials	Building heater replacements	Each	2	\$ 1,000	\$ 2,000
5830	Materials	POMWTP surge protectors	Each	2	\$ 3,500	\$ 7,000
5830	Materials	Fuses for electrical gear	Lump sum	1	\$ 750	\$ 750
5830	Materials	UPS battery replacements for POMWTP systems	Lump sum	1	\$ 24,350	\$ 24,350
5830	Materials	Small UPS replacements	Each	1	\$ 804	\$ 804
5830 Total						\$ 54,532
5840	Chemicals	Fluoride analyzer buffer & analyzer solutions	Lump sum	1	\$ 3,000	\$ 3,000
5840	Chemicals	Chlorine analyzer buffer & analyzer solutions	Each	220	\$ 38	\$ 8,360
5840	Chemicals	Other instrumentation operating and calibration chemicals (ozone systems, TOC, turbidimeters, etc.)	Lump sum	1	\$ 3,432	\$ 3,432
5840 Total						\$ 14,792
5850	Computer & Instr. Supplies	Server racks/enclosures, network cables, and related equipment	Lump sum	1	\$ 3,310	\$ 3,310
5850	Computer & Instr. Supplies	Desktop Server--3 end of life replacements	Each	3	\$ 3,500	\$ 10,500
5850	Computer & Instr. Supplies	Desktop Workstation--4 end of life replacements	Each	4	\$ 600	\$ 2,400
5850	Computer & Instr. Supplies	Thin client computer--10 end of life replacements	Each	10	\$ 225	\$ 2,250
5850	Computer & Instr. Supplies	Tablet computer--new and replacements	Each	6	\$ 250	\$ 1,500
5850	Computer & Instr. Supplies	Laptop computer--replacement	Each	4	\$ 1,200	\$ 4,800
5850	Computer & Instr. Supplies	Desktop computer monitors--end of life replacements	Each	20	\$ 250	\$ 5,000
5850	Computer & Instr. Supplies	Replacement server computers (PC/S, Enterprise, and SCS)	Each			\$ -
5850	Computer & Instr. Supplies	Server computer replacement parts and upgrades (memory, power supplies, network accessories, etc.--PC/S, Enterprise, and SCS)	Lump sum	1	19230	\$ 19,230
5850	Computer & Instr. Supplies	Server computer replacement hard drives (PC/S, Enterprise, and SCS)	Lump sum	36	400	\$ 14,400
5850	Computer & Instr. Supplies	Desktop, laptop, and tablet computer replacement parts and upgrades (hard drives, memory, power supplies, accessories, etc.--PC/S, Enterprise, and SCS)	Lump sum	1	\$ 6,300	\$ 6,300
5850	Computer & Instr. Supplies	PC/S, Enterprise, and SCS network hardware and parts (new and replacements)	Lump sum	1	\$ 13,420	\$ 13,420
5850	Computer & Instr. Supplies	PC/S, Enterprise, and SCS network security equipment (new and replacements)	Lump sum	1	\$ 2,894	\$ 2,894
5850	Computer & Instr. Supplies	UPS equipment and batteries for PC/S and Enterprise servers	Lump sum	1	\$ 80	\$ 80
5850	Computer & Instr. Supplies	PC/S and Enterprise network data backup system replacement equipment and parts	Lump sum	1	\$ 1,200	\$ 1,200
5850	Computer & Instr. Supplies	Printer equipment replacements	Lump sum	1	\$ 2,200	\$ 2,200
5850	Computer & Instr. Supplies	Phone system hardware--new and replacement parts	Lump sum	1	\$ 15,300	\$ 15,300
5850 Total						\$ 104,784
5911	Laundry	Uniforms	Lump sum	1	\$ 1,905	\$ 1,905
5911 Total						\$ 1,905
5913	Safety	Safety shoes (12 FTEs)	Employee	12	\$ 100	\$ 1,200
5913	Safety	Arc flash electrical safety tools	Lump sum	1	\$ 900	\$ 900
5913	Safety	Personal protective equipment	Lump sum	1	\$ 2,203	\$ 2,203
5913 Total						\$ 4,303
5914	Subscriptions & Publications	Information Technology	Lump sum	1	\$ 379	\$ 379
5914 Total						\$ 379
5916	Dues & Membership	Association for Information Management	Each	1	\$ 250	\$ 250
5916	Dues & Membership	Water and Wastewater CIO Forum	Each	1	\$ 750	\$ 750
5916 Total						\$ 1,000

Metropolitan Water District of Salt Lake & Sandy

Fiscal Year 2019

ENGINEERING (25)

Last Update:

04/06/18

Account	Description	Actual FY 2015	Actual FY 2016	Actual FY 2017	3-Year Average (FY 2015-2017)	Budget FY 2018	Actual 1/31/2018	% of Total Spent YTD FY 2018	% of Total Spent YTD 3-year average	Projected Spend FY 2018	Projected Spend to Budget over/(under) for FY 2018	Budget FY 2019	% Change from FY 2018 Budget
5110	Salary & Wage Exp.	318,307	342,522	442,527	367,785	566,963	312,936	55.20%	53.73%	575,270	8,307	605,893	6.87%
5120	Overtime Premium	-	-	-	-	-	489	N/A	0.00%	489	489	1,500	N/A
5131	Sick Leave	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5170	On Call Pay	-	-	315	105	-	420	N/A	0.00%	420	420	-	N/A
5190	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5210	Payroll Taxes	25,054	26,532	33,939	28,508	44,374	24,539	55.30%	54.07%	44,920	546	46,039	3.75%
	Salaries and Wages	343,361	370,074	476,781	396,738	611,338	338,384	55.35%		621,099	9,762	653,432	6.89%
5310	Retirement Plan	68,362	75,530	90,328	78,073	120,646	70,747	58.64%	57.06%	122,552	1,906	128,940	6.87%
5320	Medical Insurance Premiums	80,335	80,100	104,002	88,145	166,402	99,618	59.87%	56.32%	172,303	5,901	182,386	9.61%
5330	Tuition Aid Program	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5350	Insurance Premiums	2,237	2,314	2,902	2,485	4,612	2,496	54.11%	55.60%	4,544	(68)	4,624	0.26%
	Employee Benefits	150,934	157,944	197,232	168,703	291,660	172,861	59.27%		299,399	7,739	315,950	8.33%
5340	Meetings & Seminars	835	1,164	262	754	950	1,373	144.50%	56.14%	1,789	839	3,970	317.89%
	Employee Training	835	1,164	262	754	950	1,373	144.53%		1,789	839	3,970	317.89%
5410	Business Travel	1,096	2,219	891	1,402	2,400	2,845	118.53%	34.17%	4,425	2,025	-	-100.00%
5430	Vehicle O & M	2,151	1,349	1,478	1,660	1,200	558	46.54%	50.71%	1,150	(50)	1,100	-8.33%
	Transportation	3,247	3,568	2,369	3,062	3,600	3,403	94.53%		5,575	1,975	1,100	-69.44%
5510	Legal	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5520	Accounting	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5530	Contract Services	136,247	109,854	123,599	123,233	161,750	16,950	10.48%	51.08%	161,750	-	161,350	-0.25%
5540	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Professional Services	136,247	109,854	123,599	123,233	161,750	16,950	10.48%		161,750	-	161,350	-0.25%
5610	Telephone	2,055	1,680	2,355	2,030	4,040	2,025	50.12%	57.39%	3,746	(294)	3,840	-4.95%
5620	Electricity	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5630	Natural Gas	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5640	Radio Communications	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5650	Water	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Utilities	2,055	1,680	2,355	2,030	4,040	2,025	50.12%		3,746	(294)	3,840	-4.95%
5710	Buildings & Grounds	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5720	Machinery & Equipment	-	-	-	-	-	-	N/A	0.00%	-	-	3,579	N/A
	Repairs and Maintenance	-	-	-	-	-	-	N/A		-	-	3,579	N/A
5810	General Supplies	98	-	756	285	1,500	-	0.00%	44.54%	832	(668)	1,500	0.00%
5820	Office Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5830	Materials	-	-	145	48	-	252	N/A	0.00%	252	252	-	N/A
5840	Chemicals	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5850	Computer & Instr. Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Chemicals and Supplies	98	-	901	333	1,500	252	16.80%		1,084	(416)	1,500	0.00%
5901	General Insurance	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5902	Administrative Fees	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5903	Water Stock Assessment	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5904	Rent Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5905	Miscellaneous	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5906	Postage & Freight Exp.	310	-	430	247	1,000	-	0.00%	0.00%	1,000	-	1,000	0.00%
5907	Contributions & Events	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5909	Depreciation Expense	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5910	Interest Expense	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5911	Laundry	438	201	232	290	775	739	95.31%	23.10%	739	(36)	775	0.00%
5913	Safety	385	90	300	258	1,400	-	0.00%	0.00%	1,400	-	1,400	0.00%
5914	Subscriptions & Publications	169	166	-	112	500	-	0.00%	28.79%	356	(144)	500	0.00%
5915	Outside Printing	547	22	532	367	1,200	-	0.00%	2.55%	1,169	(31)	1,200	0.00%
5916	Dues & Memberships	654	1,462	959	1,025	500	615	123.00%	44.23%	894	394	855	71.00%
5917	Amortization Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Other Expenses	2,503	1,941	2,453	2,299	5,375	1,354	25.19%		5,558	183	5,730	6.60%
	Total Expenses	639,280	646,225	805,952	697,152	1,080,213	536,602	49.68%		1,100,000	19,788	1,150,451	6.50%
				Excluding personnel costs		177,215						181,069	2.17%

Fiscal Year 2019 General Expenditures Worksheet						
Cost Center Name:	Engineering (25)					
Last Update:						
04/06/18						
Account Number	Account Name	Description	Units	Quantity	Unit Price	Extended Amount
5110	Salary and Wage Expense	Salary and wages (8 FTEs)	Pay Period	26	\$ 23,303.57	\$ 605,893
5110 Total						\$ 605,893
5210	Payroll Taxes	Employer Portion of Payroll Taxes	Pay Period	26	\$ 1,771	\$ 46,039
5210 Total						\$ 46,039
5310	Retirement Plan	URS (Utah Retirement Systems) Contribution and Employer Match	Pay Period	26	\$ 4,959	\$ 128,940
5310 Total						\$ 128,940
5320	Medical Insurance Premiums	Insurance premiums (Dental, Medical, and H.S.A. Contribution)	Monthly	12	\$ 15,199	\$ 182,386
5320 Total						\$ 182,386
5350	Insurance Premiums	AD&D, Basic Life, Long Term Disability, etc.	Monthly	12	\$ 385	\$ 4,624
5350 Total						\$ 4,624
5340	Meetings & Seminars	Local Seminars	Lump sum	1	\$ 900	\$ 900
5341	Meetings & Seminars	AWWA Leadership Forum	Each	2	\$ 675	\$ 1,350
5342	Meetings & Seminars	APWA Fall Conference - Utah	Each	2	\$ 185	\$ 370
5340	Meetings & Seminars	Backflow Technician Renewal	Each	1	\$ 600	\$ 600
5340	Meetings & Seminars	Operator Certification Renewals	Each	5	\$ 150	\$ 750
5340 Total						\$ 3,970
5410	Business Travel					\$ -
5410 Total						\$ -
5430	Vehicle O&M	Mileage reimbursement	Miles	2000	\$ 0.55	\$ 1,100
5430 Total						\$ 1,100
5530	Contract Services	Professional Services - Engineering	Lump sum	1	\$ 50,000	\$ 50,000
5530	Contract Services	Professional Services - Survey (ROW, Annexation/De-annexation)	Lump sum	1	\$ 100,000	\$ 100,000
5530	Contract Services	Appraisals--ROW Encroachments	Lump sum	1	\$ 5,000	\$ 5,000
5529	Contract Services	Blue Stakes	Monthly	12	\$ 300	\$ 3,600
5530	Contract Services	Boss811 (Blue Stake ticket management)	Annual	1	\$ 2,000	\$ 2,000
5530	Contract Services	Rigid Locator - Repair/Maintenance	Lump sum	1	\$ 250	\$ 250
5530	Contract Services	Graphic Design (ROW Newsletter)	Lump sum	1	\$ 500	\$ 500
5530 Total						\$ 161,350
5610	Telephone	Mobile Phone Allowances (8)	Monthly	12	\$ 320	\$ 3,840
5610 Total						\$ 3,840
5810	General Supplies	Aqueduct Inspector Supplies	Lump sum	1	\$ 1,500	\$ 1,500
5810 Total						\$ 1,500
5906	Postage & Freight Expense	Licensing Program Mailers	Lump sum	1	\$ 1,000	\$ 1,000
5906 Total						\$ 1,000
5911	Laundry	Uniforms & Supplies	Lump sum	1	\$ 775	\$ 775
5911 Total						\$ 775
5913	Safety	Safety Shoes/Boots	Each	8	\$ 100	\$ 800
5913	Safety	Safety Glasses, Goggles	Each	3	\$ 200	\$ 600
5913 Total						\$ 1,400
5914	Subscriptions & Publications	Subscriptions & Publications	Lump sum	1	\$ 500	\$ 500
5914 Total						\$ 500
5915	Outside Printing	Licensing Program Mailers	Lump sum	1	\$ 1,200	\$ 1,200
5915 Total						\$ 1,200
5916	Dues & Membership	Professional Memberships	Lump sum	1	\$ 500	\$ 500
5917	Dues & Membership	Operator Certification Exam	Each	1	\$ 130	\$ 130
5916	Dues & Membership	PE License Renewal	Each	3	\$ 75	\$ 225
5916 Total						\$ 855

Metropolitan Water District of Salt Lake & Sandy

Fiscal Year 2019

LAB (50)

Last Update:

04/06/18

Account	Description	Actual FY 2015	Actual FY 2016	Actual FY 2017	3-Year Average (FY 2015-2017)	Budget FY 2018	Actual 1/31/2018	% of Total Spent YTD FY 2018	% of Total Spent YTD 3-year average	Projected Spend FY 2018	Projected Spend to Budget over/(under) for FY 2018	Budget FY 2019	% Change from FY 2018 Budget
5110	Salary & Wage Exp.	529,696	488,276	385,996	467,989	396,024	224,256	56.63%	59.77%	383,576	(12,448)	417,379	5.39%
5120	Overtime Premium	1,116	1,195	1,904	1,405	910	735	80.79%	60.96%	1,090	180	1,170	28.57%
5131	Sick Leave	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5170	On Call Pay	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5190	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5210	Payroll Taxes	40,908	36,564	29,144	35,539	31,117	16,464	52.91%	60.23%	28,839	(2,278)	32,225	3.56%
	Salaries and Wages	571,720	526,035	417,044	504,933	428,050	241,455	56.41%		413,505	(14,546)	450,774	5.31%
5310	Retirement Plan	110,897	105,993	80,309	99,066	83,663	47,685	57.00%	63.01%	78,632	(5,031)	88,113	5.32%
5320	Medical Insurance Premiums	138,793	115,650	90,020	114,821	98,098	59,368	60.52%	60.89%	97,734	(364)	108,693	10.80%
5330	Tuition Aid Program	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5350	Insurance Premiums	4,893	4,475	3,254	4,207	3,459	1,831	52.94%	60.37%	3,202	(257)	3,404	-1.60%
	Employee Benefits	254,583	226,118	173,583	218,094	185,220	108,884	58.79%		179,568	(5,652)	200,210	8.09%
5340	Meetings & Seminars	1,873	1,169	1,586	1,542	1,650	847	51.33%	84.89%	1,600	(50)	1,600	-3.03%
	Employee Training	1,873	1,169	1,586	1,542	1,650	847	51.33%		1,600	(50)	1,600	-3.03%
5410	Business Travel	5,893	4,405	3,392	4,563	6,000	4,118	68.64%	100.00%	6,000	-	7,000	16.67%
5430	Vehicle O & M	458	151	249	286	107	77	71.68%	39.00%	142	35	107	0.23%
	Transportation	6,351	4,556	3,641	4,849	6,107	4,195	68.69%		6,142	35	7,107	16.37%
5510	Legal	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5520	Accounting	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5530	Contract Services	45,873	53,467	53,814	51,051	71,305	34,929	48.99%	47.59%	72,300	995	71,255	-0.07%
5540	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Professional Services	45,873	53,467	53,814	51,051	71,305	34,929	48.99%		72,300	995	71,255	-0.07%
5610	Telephone	1,915	1,723	1,177	1,605	1,080	630	58.33%	59.63%	1,066	(14)	1,080	0.00%
5620	Electricity	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5630	Natural Gas	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5640	Radio Communications	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5650	Water	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Utilities	1,915	1,723	1,177	1,605	1,080	630	58.33%		1,066	(14)	1,080	0.00%
5710	Buildings & Grounds	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5720	Machinery & Equipment	10,966	7,418	12,233	10,206	12,000	2,791	23.26%	52.33%	8,511	(3,489)	9,000	-25.00%
	Repairs and Maintenance	10,966	7,418	12,233	10,206	12,000	2,791	23.26%		8,511	(3,489)	9,000	-25.00%
5810	General Supplies	214	348	-	187	908	18	1.98%	88.18%	900	(8)	908	0.00%
5820	Office Supplies	-	-	44	15	-	-	N/A	100.00%	-	-	-	N/A
5830	Materials	34,460	42,334	30,277	35,690	38,000	16,421	43.21%	40.56%	39,009	1,009	39,000	2.63%
5840	Chemicals	50,758	34,055	53,031	45,948	51,000	30,438	59.68%	60.65%	50,506	(494)	52,000	1.96%
5850	Computer & Instr. Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Chemicals and Supplies	85,432	76,737	83,352	81,840	89,908	46,877	52.14%		90,415	507	91,908	2.22%
5901	General Insurance	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5902	Administrative Fees	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5903	Water Stock Assessment	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5904	Rent Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5905	Miscellaneous	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5906	Postage & Freight Exp.	484	370	-	285	-	-	N/A	70.36%	-	-	-	N/A
5907	Contributions & Events	103,084	107,358	-	70,147	-	-	N/A	55.23%	-	-	-	N/A
5909	Depreciation Expense	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5910	Interest Expense	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5911	Laundry	2,015	1,582	1,043	1,547	1,300	835	64.20%	56.15%	1,300	-	1,300	0.00%
5913	Safety	1,260	668	778	902	1,600	244	15.22%	24.69%	1,600	-	1,600	0.00%
5914	Subscriptions & Publications	-	519	264	261	300	241	80.33%	74.68%	300	-	300	0.00%
5915	Outside Printing	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5916	Dues & Memberships	178	345	186	236	186	191	102.69%	114.10%	191	5	191	2.69%
5917	Amortization Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Other Expenses	107,021	110,842	2,271	73,378	3,386	1,511	44.62%		3,391	5	3,391	0.15%
	Total Expenses	1,085,734	1,008,065	748,701	947,498	798,707	442,119	55.35%		776,498	(22,209)	836,325	4.71%
					Excluding personnel costs	185,436						185,341	-0.05%

Fiscal Year 2019 General Expenditures Worksheet

Cost Center Name:	Lab (50)					
Last Update:						
04/06/18						
Account Number	Account Name	Description	Units	Quantity	Unit Price	Extended Amount
5110	Salary and Wage Expense	Salary and wages (6 FTEs)	Pay Period	26	\$ 16,053	\$ 417,379
5110 Total						\$ 417,379
5120	Overtime Premium	Overtime premium	Pay Period	26	\$ 45	\$ 1,170
5120 Total						\$ 1,170
5210	Payroll Taxes	Employer Portion of Payroll Taxes	Pay Period	26	\$ 1,239	\$ 32,225
5210 Total						\$ 32,225
5310	Retirement Plan	URS (Utah Retirement Systems) Contribution and Employer Match	Pay Period	26	\$ 3,389	\$ 88,113
5310 Total						\$ 88,113
5320	Medical Insurance Premiums	Insurance premiums (Dental, Medical, and H.S.A. Contribution)	Monthly	12	\$ 9,058	\$ 108,693
5320 Total						\$ 108,693
5350	Insurance Premiums	AD&D, Basic Life, Long Term Disability, etc.	Monthly	12	\$ 284	\$ 3,404
5350 Total						\$ 3,404
5340	Meetings & Seminars	Local seminars	Each	1	\$ 200	\$ 200
5340	Meetings & Seminars	Operator Certification Renewals	Each	5	\$ 150	\$ 750
5340	Meetings & Seminars	Laboratory Certification Training Seminar	Each	2	\$ 100	\$ 200
5340	Meetings & Seminars	Refreshments for Lab meetings	Lump sum	1	\$ 450	\$ 450
5340 Total						\$ 1,600
5410	Business Travel	AWWA WQTC	Each	1	\$ 2,500	\$ 2,500
5410	Business Travel	AWWA Intermountain Section	Each	1	\$ 1,500	\$ 1,500
5410	Business Travel	Laboratory instrument specific training	Each	1	\$ 3,000	\$ 3,000
5410 Total						\$ 7,000
5430	Vehicle O&M	Mileage Reimbursement	Miles	195	\$ 0.55	\$ 107
5430 Total						\$ 107
5530	Contract Services	Laboratory Information Management System programming	Lump sum	1	\$ 10,000	\$ 10,000
5530	Contract Services	Gas Chromatograph Service Contract (THMs only)	Lump sum	1	\$ 13,345	\$ 13,345
5530	Contract Services	Inductively Coupled/Mass Spectrometer Service Contract	Lump sum	1	\$ 14,190	\$ 14,190
5530	Contract Services	Total Organic Carbon Instrument Preventive Maintenance	Lump sum	1	\$ 2,000	\$ 2,000
5530	Contract Services	Hazardous waste chemical disposal	Lump sum	1	\$ 4,000	\$ 4,000
5530	Contract Services	Instruments calibration	Lump sum	1	\$ 1,000	\$ 1,000
5530	Contract Services	Laboratory certification	Lump sum	1	\$ 2,500	\$ 2,500
5530	Contract Services	Giarda & Crypto monitoring	Lump sum	1	\$ 14,220	\$ 14,220
5530	Contract Services	Laboratory audits	Lump sum	1	\$ 4,000	\$ 4,000
5530	Contract Services	Miscellaneous testing	Lump sum	1	\$ 1,000	\$ 1,000
5530	Contract Services	Geosmin/MIB monitoring	Lump sum	1	\$ 1,000	\$ 1,000
5530	Contract Services	Lab consulting services	Lump sum	1	\$ 4,000	\$ 4,000
5530 Total						\$ 71,255
5610	Telephone	Mobile Phone Allowances (2)	Monthly	12	\$ 90	\$ 1,080
5610 Total						\$ 1,080
5720	Machinery & Equipment	Lab. and pilot plant equipment repair & replacement	Lump sum	1	\$ 6,000	\$ 6,000
5720	Machinery & Equipment	Spare parts, equipment & instruments	Lump sum	1	\$ 3,000	\$ 3,000
5720 Total						\$ 9,000
5810	General Supplies	Furniture repair and replacement	Lump sum	1	\$ 908	\$ 908
5810 Total						\$ 908
5830	Materials	Laboratory materials	Lump sum	1	\$ 39,000	\$ 39,000
5830 Total						\$ 39,000
5840	Chemicals	Laboratory chemicals	Lump sum	1	\$ 52,000	\$ 52,000
5840 Total						\$ 52,000
5911	Laundry	Uniforms	Lump sum	1	\$ 1,300	\$ 1,300
5911 Total						\$ 1,300
5913	Safety	Lab safety equipment	Lump sum	1	\$ 600	\$ 600
5913	Safety	Safety shoes	Each	6	\$ 100	\$ 600
5913	Safety	Safety prescription glasses	Each	2	\$ 200	\$ 400
5913 Total						\$ 1,600
5914	Subscriptions & Publications	Laboratory reference materials	Lump sum	1	\$ 300	\$ 300
5914 Total						\$ 300
5916	Dues & Membership	American Chemical Society	Lump sum	1	\$ 191	\$ 191
5916 Total						\$ 191

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
FY 2019 Provo River Water Users Association Budget Request

Last Updated: 3/13/2018
Account No.: 1852-10

Description: This budget item reflects all costs paid to Provo River Water Users Association.

Budget:

Description	Units	Quantity	Unit Price	Extended Amount
Safety of Dams repayment	shares	61,700	\$ 2.05000	\$ 126,485
Deer Creek Division construction repayment	shares	61,700	\$ 1.65000	\$ 101,805
Provo River Aqueduct (BOWR) repayment	lump sum	1	\$ 1,352,969.30	\$ 1,352,969
Provo River Aqueduct (BAF) repayment	lump sum	1	\$ 150,346.09	\$ 150,346
PRWUA O&M and capital assessment	shares	61,700	\$ 26.01	\$ 1,604,817
Provo River Aqueduct O&M by PRWUA	acre feet	22,500	\$ 5.76	\$ 129,508
Deer Creek Intake Station O&M by PRWUA	lump sum	1	\$ 145,392.79	\$ 145,393
Total				\$ 3,611,323

PRWUA total per share assessments--proposed	shares	61,700	\$ 29.71	\$ 1,833,107
PRWUA total per share assessments--current	shares	61,700	\$ 25.24	\$ 1,557,308
		Percent increase	17.71%	

Metropolitan Water District of Salt Lake & Sandy
FY 2019 Capital Budget
Last Updated: April 6, 2018

ROUTINE NON-CAPACITY IMPROVEMENT PROJECTS

Terminal Reservoir Replacement Project	\$	333,500
LCWTP Roof Replacement - Administration Building	\$	225,000
Electrical Power Monitoring Upgrade	\$	775,000
Network Backbone (Media & Hardware) Replacements	\$	316,500
Fleet Replacement Program	\$	150,000
Little Dell Dam Improvements	\$	100,000
Repair and Replace	\$	377,300
Subtotal		\$ 2,277,300

OTHER CAPITAL IMPROVEMENT PROJECTS

Jordan Aqueduct System and 150th South Pipeline	\$	1,087,259
Central Utah Project (CUP) Capital	\$	2,971,200
Subtotal		\$ 4,058,459

TOTAL	\$	6,335,759
--------------	-----------	------------------

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
FY 2019 Capital Budget Request

Last Updated: 1/2/2018 **Account No.:** 1836-10
Department: E&M **Location:** Terminal Reservoir
Contact Name: Wayne Winsor **Request Type:** Non-Capacity Improvement Project

Title: Terminal Reservoir Replacement Project

Description: Construction of the Terminal Reservoir Replacement Project.

Justification: Terminal Reservoir is more than 60 years old and in need of replacement. Construction documentation was completed in August 2011 and the construction contract awarded in September 2011. This project is to be constructed in phases. Phases 1, 2 & 3 were completed in November 2013. Phase 4 began in December 2013 and was completed in February 2016. The fifth and final phase will be substantially complete by June 2018. Final completion is anticipated by October 2018. The phased implementation is done in order to maintain service to Salt Lake City.

Budget:

Description	Quantity	Unit Price	Extended Amount
Construction	1	\$ 250,000	\$ 250,000
Engineering Services During Construction	1		\$ -
Materials Testing	1		\$ -
Other Project Costs:			
Security Control Systems	1	\$ 83,500	\$ 83,500
Total			\$ 333,500

Fiscal Year Summary: (multi-year projects)

Spent (Prior to FY 2018)	Current Budget (FY 2018)	Proposed Budget (FY 2019)	Remaining (FY 2020)	Total Project
\$ 39,551,728	\$ 2,056,000	\$ 333,500	\$ -	\$ 42,237,855

Note: The total project amount may not match the sum of the individual fiscal years due to timing of expenditures.

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
FY 2019 Capital Budget Request

Last Updated: 1/2/2018 **Account No.:** 1845-10
Department: E&M **Location:** LCWTP Site
Contact Name: Wayne Winsor **Request Type:** Non-Capacity Improvement Project

Title: LCWTP Roof Replacement - Administration Building

Description: Replacement of the LCWTP Administration Building Roof

Justification: Built in 2000, the Administration Building roof system has been problematic with leaks, ice dams and snow removal/safety. As the central office building and location for SCADA, network facilities and library materials, a reliable roof system is necessary and prudent.

Budget:

Description	Quantity	Unit Price	Extended Amount
Engineering Services During Construction	1	\$ 15,000	\$ 15,000
Construction	1	\$ 210,000	\$ 210,000
Total			\$ 225,000

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
FY 2019 Capital Budget Request

Last Updated: 1/3/2018 **Account No.:** 1845-10
Department: IS **Location:** LCWTP & POMWTP Site
Contact Name: Ryan Nicholes **Request Type:** Non-Capacity Improvement Project

Title: Electrical Power Monitoring Upgrade

Description: Update the LCWTP & POMWTP power monitoring system

Justification: The existing LCWTP power monitoring system is in disrepair and non-functional. Updating the power monitoring system will enable staff to include new power centers added during the expansion of the LCWTP, monitor all tripped breakers, provide trending data of electrical usage on pumping and other high demand electrical equipment, and review demand charge billing. In 2017, the design identified the need to convert the ethernet system and replace 50 variable frequency drives (VFD's) at the Point of the Mountain Water Treatment Plant (POMWTP). The additional scope increased the project budget from \$815,000 to \$1,100,000.

Budget:

Description	Quantity	Unit Price	Extended Amount
Construction	1	\$ 775,000	\$ 775,000
Total			\$ 775,000

Fiscal Year Summary: (multi-year projects)

Spent (Prior to FY 2018)	Current Budget (FY 2018)	Proposed Budget (FY 2019)	Remaining (FY 2020)	Total Project
\$ 21,339	\$ 415,000	\$ 775,000	\$ -	\$ 1,100,000

Note: The total project amount may not match the sum of the individual fiscal years due to timing of expenditures.

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
FY 2019 Capital Budget Request

Last Updated: 3/28/2018 **Account No.:** 1845-10
Department: IS **Location:** LCWTP & POMWTP Site
Contact Name: Ryan Nicholes **Request Type:** Non-Capacity Improvement Project

Title: Network Backbone (Media & Hardware) Replacements

Description: Replace CISCO 509 Enterprise switches at POMWTP & LCWTP

Justification: The core switches located at LCWTP and POMWTP are mission critical switches. They also provide District wide networking for specific networks in a fault tolerant fashion. The switches and associated network backbone and gateway monitoring devices operate 24 hours a day and 7 days a week. These devices carry particular and important District networks and services. Their expected operational life time is between 10 to 15 years. Our vendor has determined the end of sale, life, and support to be February 18, 2018 in which this equipment will have been in service for roughly 17 years which will have exceeded the projected life span of the equipment. Once the end of support date arrives it will be necessary to replace these devices with equipment that can be fully supported in case of hardware failure events or essential programming reconfiguration work. We will also need to upgrade peripheral backbone related hardware along with the switches to bring the entire backbone system up to date to meet current technology and interoperability standards.

Budget:

Description	Quantity	Unit Price	Extended Amount
Media & Hardware	1	\$ 316,500	\$ 316,500
Total			\$ 316,500

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
FY 2019 Capital Budget Request

Last Updated: 4/6/2018 **Account No.:** 1848-10
Department: E&M **Location:** LCWTP Site
Contact Name: Wayne Winsor **Request Type:** Non-Capacity Improvement Project

Title: Fleet Replacement Program

Description: Replacement of two (2) utility trucks, addition of one utility truck and one fleet vehicle

Justification: Vehicle #46, a 2005 3500 utility truck, has over 81,000 miles and serves as a plow truck; Vehicle #47, is a 2006 2500 utility truck, has over 89,000 miles. These vehicles are scheduled for surplus. A new utility truck is scheduled for addition to the fleet to accomodate increased use at remote sites (vehicle #67). The existing utility vehicles have served the District well, but repairs and service warnings on #46 & #47 have increased.

Budget:

Description	Quantity	Unit Price	Extended Amount
Vehicle 65 (Replaces 2005 Utility Truck #46)	1	\$ 50,000	\$ 50,000
Vehicle 66 (Replaces 2006 Utility Truck #47)	1	\$ 50,000	\$ 50,000
Vehicle 67 (New Utility Truck)	1	\$ 50,000	\$ 50,000
Total			\$ 150,000

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
FY 2019 Capital Budget Request

Last Updated: 1/3/2018 **Account No.:** 1840-10
Department: Engineering **Location:** Little Dell Dam
Contact Name: Wayne Winsor **Request Type:** Salt Lake City Public Utilities

Title: Little Dell Dam Improvements

Description: Improvements as identified by Salt Lake City Department of Public Utilities.

Justification: Based upon current request from Salt Lake City Public Utilities.

Budget:

Description	Quantity	Unit Price	Extended Amount
Miscellaneous repairs and replacement	1	\$ 100,000	\$ 100,000
Total			\$ 100,000

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
FY 2019 Capital Budget Request

Last Updated: 3/12/2018 **Account No.:** Multiple
Department: Engineering **Location:** Various
Contact Name: Wayne Winsor **Request Type:** Non-Capacity Improvement Project

Title: Repair and Replace

Description: Routine, repair and replace non-capacity capital investments.

Justification: The Administration Building Boiler is a Lochinvar, gas fired boiler with a 500k BTU input and 420k BTU output. With 17 years in service, the boiler itself and the flume are in poor condition. Parts that have been replaced include; igniter, flow switch, pressure relief valve, controllers, and each year damaged burner tubes are replaced. The flume has been repaired multiple times but continues to deteriorate. The boiler is oversized. By reducing to 400k BTU system allows the District to replace the heat system with a residential sized unit that is simpler to maintain and does not require state pressure vessel permitting.

The Memorial Estates Turnout was installed with the original SLA in the 1950's. The valve is stuck in the closed position (discovered during the 2017 SLA inspection). SLCPU desire to resume use of this turnout. Also, the Tanner Flat turnout valve is inoperable and is to be replaced.

The larger sonic type flow meters, Accusonic 7500s, have been placed on the non-support list by the manufacturer. The District has had an increase in problems and incidents with these type of meters, failing power supplies and boards. These meters are critical for billing and process and it is extremely important that we keep these meters operating.

As of 2017, both POMWTP Fluorosilicic Acid (FA) tanks are leaking small quantities of chemical. It is less costly to re-line the Fiberglass Reinforced Plastic (FRP) tank than to replace with a cross-linked polyethylene tank.

Lab equipment schedule for replacement include: Gas Chromatograph (GC), Gas Chromatograph/Mass Spectrometer (GC/MS) and Ultraviolet Spectrophotometer.

The District operates servers on three separate networks - enterprise, SCADA, and security. These servers have a life expectancy of seven years. New servers host the most critical services for the first three to five years of the lifecycle and then are moved to a less critical role for the remainder of the life cycle. Two servers per year are needed to maintain the lifecycle.

Budget:

Description	Quantity	Unit Price	Extended Amount
Administration Building boiler replacement (1845-10)	1	\$ 44,000	\$ 44,000
SLA turnout valve replacement - Memorial Estates (1831-10)	1	\$ 65,000	\$ 65,000
Flow meter replacement - Big Gate (1816-10)	2	\$ 32,000	\$ 64,000
POMWTP fluorosilicic acid (FA) storage tank - repair (1807-10)	2	\$ 16,000	\$ 32,000
Lab equipment replacement (1847-10)	1	\$ 72,300	\$ 72,300
Annual network server replacement program (1818-10)	1	\$ 50,000	\$ 50,000
Miscellaneous repairs and replacements (1813-10)	1	\$ 50,000	\$ 50,000
Total			\$ 377,300

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
FY 2019 Capital Budget Request

Last Updated: 4/6/2018 **Account No.:** 1599-10
Department: Engineering **Location:** Other
Contact Name: Wayne Winsor **Request Type:** JA Management

Title: Jordan Aqueduct System and 150th South Pipeline

Description: Projects for FY 2019 are listed below.

Justification: MWDSLS is responsible to pay 2/7ths of JA system improvements which include Jordan Aqueduct Reaches 1 - 4, Jordan Valley Water Treatment Plant (JWVTP), and the JA Terminal Reservoir. MWDSLS is responsible for 50% of improvements associated to the 150th South Pipeline. The MWDSLS portion is shown below.

Budget:

Description	Quantity	Unit Price	Extended Amount
SCADA replacement for JWVTP, JA & 15000 So.	1	\$ 58,165	\$ 58,165
Microwave Communications System Replacement	1	\$ 102,816	\$ 102,816
JWVTP - 1 MG Backwash Tank	1	\$ 264,171	\$ 264,171
JWVTP Washwater/Solids Handling Improvements	1	\$ 281,829	\$ 281,829
JA extraordinary maintenance and replacement	1	\$ 56,921	\$ 56,921
JWVTP/TR extraordinary maintenance and replacement	1	\$ 268,857	\$ 268,857
150th South extraordinary maintenance and replacement	1	\$ 10,000	\$ 10,000
JWVCD project management expenses	1	\$ 44,500	\$ 44,500
Total			\$ 1,087,259

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
FY 2019 Capital Budget Request

Last Updated: 1/3/2018 **Account No.:** 1853-10
Department: Administrative **Location:** Other
Contact Name: Mike DeVries **Request Type:** CUP

Title: Central Utah Project (CUP) Capital

Description: This budget item reflects costs paid to Central Utah Water Conservancy District for the construction of Jordanelle Dam and other related improvements for the Bonneville Unit Municipal and Industrial system.

Justification: Capital improvements.

Budget:

Description	Units	Quantity	Unit Price	Extended Amount
CUP allotment payment	acre feet	20,000	\$ 148.560	\$ 2,971,200
Total				\$ 2,971,200

Metropolitan Water District of Salt Lake & Sandy				
Fiscal Year 2019				
Revenue Projections				
Last Update: April 9, 2018				
	Fiscal Year 2018 Adopted Budget	Actuals as of 1/31/2018	Estimated Actuals 6/30/2018	Fiscal Year 2019 Budget
Operating Revenues				
Water Sales				
Salt Lake City	\$15,528,950	\$9,058,554	\$15,528,950	\$15,994,818
Sandy City	\$5,743,584	\$3,350,424	\$5,743,584	\$5,915,892
Jordanelle Special Service District (JSSD)	\$200,000	\$200,000	\$200,000	\$200,000
Raw water sales plus conveyance to non-member entities	\$0	\$383,951	\$425,906	\$203,990
Treatment charges and conveyance fees for non-member entities	\$392,022	\$225,610	\$332,973	\$560,824
Total Operating Revenues	\$21,864,556	\$13,218,539	\$22,231,413	\$22,875,524
Other Revenues				
Tax Revenues				
Salt Lake City	\$7,285,250	\$6,500,696	\$7,336,082	\$7,336,082
Sandy City	\$2,389,459	\$2,227,916	\$2,362,955	\$2,362,955
Fees in Lieu of Taxes	\$481,578	\$286,371	\$483,445	\$483,445
Prior Years' Tax Revenue	\$227,002	\$93,565	\$225,754	\$225,754
Subtotal Tax Revenues	\$10,383,289	\$9,108,548	\$10,408,236	\$10,408,236
Capital Assessments				
Salt Lake City	\$7,021,892	\$4,096,104	\$7,021,892	\$7,021,892
Sandy City	\$4,210,322	\$2,456,021	\$4,210,322	\$4,210,322
Sandy City Ontario Drain Tunnel Assessment (before credit)	\$1,017,092	\$593,304	\$1,017,092	\$1,017,472
Less: JSSD Revenue (see above)	\$200,000	\$100,000	\$200,000	\$200,000
Net Sandy City Ontario Drain Tunnel Assessment	\$817,092	\$493,304	\$817,092	\$817,472
Subtotal Assessment Revenues	\$12,049,306	\$7,045,428	\$12,049,306	\$12,049,686
Interest	\$218,630	\$277,761	\$448,757	\$358,382
Miscellaneous Revenue	\$148,400	\$72,491	\$117,795	\$101,044
Subtotal	\$367,030	\$350,253	\$566,553	\$459,426
Total Other Revenues	\$22,799,625	\$16,504,229	\$23,024,095	\$22,917,348
Total Revenue	\$44,664,181	\$29,722,768	\$45,255,508	\$45,792,872

Metropolitan Water District of Salt Lake & Sandy			
Fiscal Year 2019			
Reserve Funds			
Last Update: April 9, 2018			
Description	Category type	Approved FY 2018	Proposed FY 2019
Required Operations and Maintenance Reserve	Restricted	\$3,570,739	\$3,735,398
Required Capital Projects Reserve	Restricted	\$650,000	\$650,000
Jordan Aqueduct Reserve	Restricted	\$40,720	\$41,249
JVWTP O&M Reserve	Restricted	\$20,000	\$20,000
150th South Pipeline Agreement	Restricted	\$33,404	\$33,838
Capital Projects Reserve	Assigned	\$3,446,460	\$5,032,033
Self-Insurance/Contingency Reserve	Assigned	\$2,000,000	\$2,000,000
Interest Rate Stabilization Reserve	Assigned	\$3,284,866	\$3,284,866
Aquifer Storage and Recovery (ASR) Reserve	Assigned	\$392,839	\$1,010,992
Unassigned Reserves	Unassigned	\$11,948,689	\$16,070,601
Totals		\$25,387,718	\$31,878,977
Metropolitan Water District of Salt Lake & Sandy			
Fiscal Year 2019			
Debt Service Coverage on Outstanding Bonds			
Last Update: April 9, 2018			
Budgeted O&M Expenses	\$36,097,400		
Less: Interest expense, depreciation, and amortization	\$19,276,092		
Adjusted O&M Expense	\$16,821,308		
Budgeted Revenues	\$45,792,872		
Less: adjusted O&M Expense	\$16,821,308		
Funds Available for Debt Service Payments	\$28,971,564		
Debt Service Payments	\$16,593,091		
Coverage (funds available/debt service payments)	1.75		
Minimum coverage required	1.15		

Metropolitan Water District of Salt Lake & Sandy		
Fee Schedule Fiscal Year 2019		
Last update: April 9, 2018		
Description	FY 2018 Approved	FY 2019 Proposed
Water charges to Member Cities		
Total treated water sales/conveyance revenue from member cities	\$21,272,534	\$21,910,710
To Salt Lake City (73% of total water sales based on five-year average; amount not to exceed 65,000 af)	\$15,528,950	\$15,994,818
To Sandy City (27% of total water sales based on five-year average; amount not to exceed 25,000 af)	\$5,743,584	\$5,915,892
To be billed monthly		
To Salt Lake City	\$1,294,079	\$1,332,902
To Sandy City	\$478,632	\$492,991
Water rates to non-member entities		
Conveyance fee (per acre foot)	\$21	\$22
Untreated water (based on availability as determined by GM; per acre foot)	\$110	\$113
Treatment charge (per acre foot)	\$310	\$319
Pumping surcharge if Salt Lake Aqueduct is at capacity (applicable as determined by GM; per acre foot)	\$70	\$72
Pumping surcharge at Utah Valley Water Treatment Plant (applicable as determined by GM; per acre foot)	\$15	\$15
Licensing of Rights-of-Way		
Temporary Use Agreement (MWDSLS fee title property only; per week)	\$50	\$50
New license agreement residential (approved existing improvements)	\$0	\$0
New license agreement residential (no existing improvements)	\$0*	\$0*
New license agreement (subdivisions, utilities, commercial developments, governmental entities)	\$1,700*	\$1,700*
Renewal license agreement residential (approved existing improvements without changes)	\$0*	\$0*
Renewal license agreement (subdivisions, utilities, commercial developments, governmental entities)	\$500*	\$500*
Right of use fee (fee title lands only) as determined by the GM	Varies	Varies
Fees related to licensing of member city utilities are waived.		
* Minimum fee, additional direct costs (professional review costs) may apply as determined by GM		
GRAMA Request		
Copy Reproduction Fee (per copy; standard size; non-color)	\$0.25	\$0.25
Research Fee (hourly--time will be charged at the hourly rate of the lowest paid employee performing the request)	\$25	Varies
Other GRAMA fees as determined by the GM	Varies	Varies
Fees may be waived or changed only at the discretion of the Board of Trustees.		
Fees identified as variable shall be reported to the Board of Trustees.		

	Metropolitan Water District of Salt Lake & Sandy													
	Projected Cash Flow													
	Last Update: April 9, 2018													
	Expenses													
	Operations & Maintenance													
	CUP Municipal & Industrial (M&I) System							CUP Utah Lake System (ULS)						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Fiscal Year Ending June 30	District Regular Operating Expenses	CUP M&I System OM&R Cost (\$/AF)	CUP M&I System OM&R Reserve Cost (\$/AF)	CUP M&I System Water O&M Cost	Total CUP M&I System Water Costs (including capital expenses)	CUP M&I System Water Volume (AF)	CUP M&I System Water Unit Cost (\$/AF)	CUP ULS OM&R Cost (\$/AF)	CUP ULS OM&R Reserve Cost (\$/AF)	CUP ULS Water O&M Cost	Total CUP ULS Water Costs (including capital expenses)	CUP ULS Water Petition Repayment Volume (AF)	CUP ULS Water Unit Cost (\$/AF)	Total Operating Expenses
Escalation factor (inflation, growth, interest)	1.89%	8.04%	11.74%					8.04%	11.74%					
2018	\$ 13,882,956	\$ 12.72	\$ 7.28	\$ 400,000	\$ 3,371,200	20,000	\$ 168.56							\$ 14,282,956
2019	\$ 14,341,590	\$ 13.48	\$ 16.52	\$ 600,000	\$ 3,571,200	20,000	\$ 178.56							\$ 14,941,590
2020	\$ 14,612,646	\$ 14.29	\$ 25.71	\$ 800,000	\$ 3,771,200	20,000	\$ 188.56							\$ 15,412,646
2021	\$ 14,888,825	\$ 15.15	\$ 34.85	\$ 1,000,000	\$ 3,971,200	20,000	\$ 198.56							\$ 15,888,825
2022	\$ 15,170,224	\$ 16.37	\$ 38.94	\$ 1,106,200	\$ 4,077,400	20,000	\$ 203.87							\$ 16,276,424
2023	\$ 15,456,941	\$ 17.69	\$ 43.51	\$ 1,224,000	\$ 4,195,200	20,000	\$ 209.76							\$ 16,680,941
2024	\$ 15,749,077	\$ 19.11	\$ 48.62	\$ 1,354,600	\$ 4,325,800	20,000	\$ 216.29							\$ 17,103,677
2025	\$ 16,046,735	\$ 20.65	\$ 54.33	\$ 1,499,600	\$ 4,470,800	20,000	\$ 223.54	\$ 20.65	\$ 54.33	\$ 419,888	\$ 3,270,284	5,600	\$ 583.98	\$ 17,966,223
2026	\$ 16,350,018	\$ 22.31	\$ 60.71	\$ 1,660,400	\$ 4,631,600	20,000	\$ 231.58	\$ 22.31	\$ 60.71	\$ 464,912	\$ 3,315,308	5,600	\$ 592.02	\$ 18,475,330
2027	\$ 16,659,033	\$ 24.10	\$ 67.84	\$ 1,838,800	\$ 4,810,000	20,000	\$ 240.50	\$ 24.10	\$ 67.84	\$ 514,864	\$ 3,365,260	5,600	\$ 600.94	\$ 19,012,697
2028	\$ 16,973,889	\$ 26.04	\$ 75.80	\$ 2,036,800	\$ 5,008,000	20,000	\$ 250.40	\$ 26.04	\$ 75.80	\$ 570,304	\$ 3,420,700	5,600	\$ 610.84	\$ 19,580,993
2029	\$ 17,294,696	\$ 28.13	\$ 84.70	\$ 2,256,600	\$ 5,227,800	20,000	\$ 261.39	\$ 28.13	\$ 84.70	\$ 631,848	\$ 3,482,244	5,600	\$ 621.83	\$ 20,183,144
2030	\$ 17,621,566	\$ 30.39	\$ 94.64	\$ 2,500,600	\$ 5,471,800	20,000	\$ 273.59	\$ 30.39	\$ 94.64	\$ 700,168	\$ 3,550,564	5,600	\$ 634.03	\$ 20,822,334
2031	\$ 17,954,614	\$ 32.83	\$ 105.75	\$ 2,771,600	\$ 5,742,800	20,000	\$ 287.14	\$ 32.83	\$ 105.75	\$ 776,048	\$ 3,626,444	5,600	\$ 647.58	\$ 21,502,262
2032	\$ 18,293,956	\$ 35.47	\$ 118.17	\$ 3,072,800	\$ 6,044,000	20,000	\$ 302.20	\$ 35.47	\$ 118.17	\$ 860,384	\$ 3,710,780	5,600	\$ 662.64	\$ 22,227,140
2033	\$ 18,639,712	\$ 38.32	\$ 132.04	\$ 3,407,200	\$ 6,378,400	20,000	\$ 318.92	\$ 38.32	\$ 132.04	\$ 954,016	\$ 3,804,412	5,600	\$ 679.36	\$ 23,000,928
2034	\$ 18,992,003	\$ 41.40	\$ 147.54	\$ 3,778,800	\$ 6,750,000	20,000	\$ 337.50	\$ 41.40	\$ 147.54	\$ 1,058,064	\$ 3,908,460	5,600	\$ 697.94	\$ 23,828,867
2035	\$ 19,350,952	\$ 44.73	\$ 164.86	\$ 4,191,800	\$ 7,163,000	20,000	\$ 358.15	\$ 44.73	\$ 164.86	\$ 1,173,704	\$ 4,024,100	5,600	\$ 718.59	\$ 24,716,456
2036	\$ 19,716,685	\$ 48.33	\$ 184.21	\$ 4,650,800	\$ 7,622,000	20,000	\$ 381.10	\$ 48.33	\$ 184.21	\$ 1,302,224	\$ 4,152,620	5,600	\$ 741.54	\$ 25,669,709
2037	\$ 20,089,330	\$ 52.22	\$ 205.84	\$ 5,161,200	\$ 8,132,400	20,000	\$ 406.62	\$ 52.22	\$ 205.84	\$ 1,445,136	\$ 4,295,532	5,600	\$ 767.06	\$ 26,695,666
2038	\$ 20,469,018	\$ 56.42	\$ 230.01	\$ 5,728,600	\$ 8,699,800	20,000	\$ 434.99	\$ 56.42	\$ 230.01	\$ 1,604,008	\$ 4,454,404	5,600	\$ 795.43	\$ 27,801,626
2039	\$ 20,855,882	\$ 60.96	\$ 257.01	\$ 6,359,400	\$ 9,330,600	20,000	\$ 466.53	\$ 60.96	\$ 257.01	\$ 1,780,632	\$ 4,631,028	5,600	\$ 826.97	\$ 28,995,914
2040	\$ 21,250,058	\$ 65.86	\$ 287.18	\$ 7,060,800	\$ 10,032,000	20,000	\$ 501.60	\$ 65.86	\$ 287.18	\$ 1,977,024	\$ 4,827,420	5,600	\$ 862.04	\$ 30,287,882
2041	\$ 21,651,684	\$ 71.16	\$ 320.89	\$ 7,841,000	\$ 10,812,200	20,000	\$ 540.61	\$ 71.16	\$ 320.89	\$ 2,195,480	\$ 5,045,876	5,600	\$ 901.05	\$ 31,688,164
2042	\$ 22,060,901	\$ 76.88	\$ 358.56	\$ 8,708,800	\$ 11,680,000	20,000	\$ 584.00	\$ 76.88	\$ 358.56	\$ 2,438,464	\$ 5,288,860	5,600	\$ 944.44	\$ 33,208,165
2043	\$ 22,477,852	\$ 83.06	\$ 400.65	\$ 9,674,200	\$ 12,645,400	20,000	\$ 632.27	\$ 83.06	\$ 400.65	\$ 2,708,776	\$ 5,559,172	5,600	\$ 992.71	\$ 34,860,828
2044	\$ 22,902,683	\$ 89.74	\$ 447.69	\$ 10,748,600	\$ 13,719,800	20,000	\$ 685.99	\$ 89.74	\$ 447.69	\$ 3,009,608	\$ 5,860,004	5,600	\$ 1,046.43	\$ 36,660,891
2045	\$ 23,335,544	\$ 96.96	\$ 500.25	\$ 11,944,200	\$ 14,321,160	20,000	\$ 716.06	\$ 96.96	\$ 500.25	\$ 3,344,376	\$ 6,194,772	5,600	\$ 1,106.21	\$ 38,624,120
2046	\$ 23,776,586	\$ 104.76	\$ 558.98	\$ 13,274,800	\$ 15,057,520	20,000	\$ 752.88	\$ 104.76	\$ 558.98	\$ 3,716,944	\$ 6,567,340	5,600	\$ 1,172.74	\$ 40,768,330
2047	\$ 24,225,963	\$ 113.18	\$ 624.60	\$ 14,755,600	\$ 15,944,080	20,000	\$ 797.20	\$ 113.18	\$ 624.60	\$ 4,131,568	\$ 6,981,964	5,600	\$ 1,246.78	\$ 43,113,131
2048	\$ 24,683,834	\$ 122.28	\$ 697.93	\$ 16,404,200	\$ 16,998,440	20,000	\$ 849.92	\$ 122.28	\$ 697.93	\$ 4,593,176	\$ 7,443,572	5,600	\$ 1,329.21	\$ 45,681,210
2049	\$ 25,150,358	\$ 132.11	\$ 779.87	\$ 18,239,600	\$ 18,239,600	20,000	\$ 911.98	\$ 132.11	\$ 779.87	\$ 5,107,088	\$ 7,957,484	5,600	\$ 1,420.98	\$ 48,497,046
2050	\$ 25,625,700	\$ 142.73	\$ 871.43	\$ 20,283,200	\$ 20,283,200	20,000	\$ 1,014.16	\$ 142.73	\$ 871.43	\$ 5,679,296	\$ 8,529,692	5,600	\$ 1,523.16	\$ 51,588,196
2051	\$ 26,110,026	\$ 154.21	\$ 973.74	\$ 22,559,000	\$ 22,559,000	20,000	\$ 1,127.95	\$ 154.21	\$ 973.74	\$ 6,316,520	\$ 9,166,916	5,600	\$ 1,636.95	\$ 54,985,546
2052	\$ 26,603,505	\$ 166.61	\$ 1,088.06	\$ 25,093,400	\$ 25,093,400	20,000	\$ 1,254.67	\$ 166.61	\$ 1,088.06	\$ 7,026,152	\$ 9,876,548	5,600	\$ 1,763.67	\$ 58,723,057
2053	\$ 27,106,311	\$ 180.01	\$ 1,215.80	\$ 27,916,200	\$ 27,916,200	20,000	\$ 1,395.81	\$ 180.01	\$ 1,215.80	\$ 7,816,536	\$ 10,666,932	5,600	\$ 1,904.81	\$ 62,839,047
2054	\$ 27,618,620	\$ 194.48	\$ 1,358.53	\$ 31,060,200	\$ 31,060,200	20,000	\$ 1,553.01	\$ 194.48	\$ 1,358.53	\$ 8,696,856	\$ 11,547,252	5,600	\$ 2,062.01	\$ 67,375,676
2055	\$ 28,140,612	\$ 210.12	\$ 1,518.02	\$ 34,562,800	\$ 34,562,800	20,000	\$ 1,728.14	\$ 210.12	\$ 1,518.02	\$ 9,677,584	\$ 12,527,980	5,600	\$ 2,237.14	\$ 72,380,996
2056	\$ 28,672,470	\$ 227.01	\$ 1,696.24	\$ 38,465,000	\$ 38,465,000	20,000	\$ 1,923.25	\$ 227.01	\$ 1,696.24	\$ 10,770,200	\$ 13,620,596	5,600	\$ 2,432.25	\$ 77,907,670
2057	\$ 29,214,380	\$ 245.26	\$ 1,895.38	\$ 42,812,800	\$ 42,812,800	20,000	\$ 2,140.64	\$ 245.26	\$ 1,895.38	\$ 11,987,584	\$ 14,837,980	5,600	\$ 2,649.64	\$ 84,014,764
2058	\$ 29,766,532	\$ 264.98	\$ 2,117.90	\$ 47,657,600	\$ 47,657,600	20,000	\$ 2,382.88	\$ 264.98	\$ 2,117.90	\$ 13,344,128	\$ 16,194,524	5,600	\$ 2,891.88	\$ 90,768,260
2059	\$ 30,329,119	\$ 286.28	\$ 2,366.54	\$ 53,056,400	\$ 53,056,400	20,000	\$ 2,652.82	\$ 286.28	\$ 2,366.54	\$ 14,855,792	\$ 17,706,188	5,600	\$ 3,161.82	\$ 98,241,311
2060	\$ 30,902,339	\$ 309.30	\$ 2,644.37	\$ 59,073,400	\$ 59,073,400	20,000	\$ 2,953.67	\$ 309.30	\$ 2,644.37	\$ 16,540,552	\$ 19,390,948	5,600	\$ 3,462.67	\$ 106,516,291
2061	\$ 31,486,393	\$ 334.17	\$ 2,954.82	\$ 65,779,800	\$ 65,779,800	20,000	\$ 3,288.99	\$ 334.17	\$ 2,954.82	\$ 18,418,344	\$ 21,268,740	5,600	\$ 3,797.99	\$ 115,684,537
2062	\$ 32,081,486	\$ 361.04	\$ 3,301.72	\$ 73,255,200	\$ 73,255,200	20,000	\$ 3,662.76	\$ 361.04	\$ 3,301.72	\$ 20,511,456	\$ 23,361,852	5,600	\$ 4,171.76	\$ 125,848,142
2063	\$ 32,687,826	\$ 390.07	\$ 3,689.34	\$ 81,588,200	\$ 81,588,200	20,000	\$ 4,079.41	\$ 390.07	\$ 3,689.34	\$ 22,844,696	\$ 25,695,092	5,600	\$ 4,588.41	\$ 137,120,722
2064	\$ 33,305,626	\$ 421.43	\$ 4,122.47	\$ 90,878,000	\$ 90,878,000	20,000	\$ 4,543.90	\$ 421.43	\$ 4,122.47	\$ 25,445,840	\$ 28,296,236	5,600	\$ 5,052.90	\$ 149,629,466
2065	\$ 33,935,102	\$ 455.31	\$ 4,606.45	\$ 101,235,200	\$ 101,235,200	20,000	\$ 5,061.76	\$ 455.31	\$ 4,606.45	\$ 28,345,856	\$ 31,196,252	5,600	\$ 5,570.76	\$ 163,516,158
2066	\$ 34,576,475	\$ 491.92	\$ 5,147.25	\$ 112,783,400	\$ 112,783,400	20,000	\$ 5,639.17	\$ 491.92	\$ 5,147.25	\$ 31,579,352	\$ 34,429,748	5,600	\$ 6,148.17	\$ 178,939,227
2067	\$ 35,229,970	\$ 531.47	\$ 5,751.54	\$ 125,660,200	\$ 125,660,200	20,000	\$ 6,283.01	\$ 531.47	\$ 5,751.54	\$ 35,184,856	\$ 38,035,252	5,600	\$ 6,792.01	\$ 196,075,026
2068	\$ 35,895,816	\$ 574.20	\$ 6,426.77	\$ 140,019,400	\$ 140,019,400	20,000	\$ 7,000.97	\$ 574.20	\$ 6,426.77	\$ 39,205,432	\$ 42,055,828	5,600	\$ 7,509.97	\$ 215,120,648
2069	\$ 36,574,247	\$ 620.37	\$ 7,181.27	\$ 156,032,800	\$ 156,032,800	20,000	\$ 7,801.64	\$ 620.37	\$ 7,181.27	\$ 43,689,184	\$ 46,539,580	5,600	\$ 8,310.64	\$ 236,296,231
2070	\$ 37,265,500	\$ 670.25	\$ 8,024.35	\$ 173,892,000	\$ 173,892,000	20,000	\$ 8,694.60	\$ 670.25	\$ 8,024.35	\$ 48,689,760	\$ 48,689,760	5,600	\$ 8,694.60	\$ 259,847,260
2071	\$ 37,969,818	\$ 724.14	\$ 8,966.41	\$ 193,811,000	\$ 193,811,000	20,000	\$ 9,690.55	\$ 724.14	\$ 8,966.41	\$ 54,267,080	\$ 54,267,080	5,600	\$ 9,690.55	\$ 286,047,898
2072	\$ 38,687,448	\$ 782.36	\$ 10,019.07	\$ 216,028,600	\$ 216,028,600	20,000	\$ 10,801.43	\$ 782.36	\$ 10,019.07	\$ 60,488,008	\$ 60,488,008	5,600	\$ 10,801.43	\$ 315,204,056

	Metropolitan Water District of Salt Lake & Sandy									
	Projected Cash Flow									
	Last Update: April 9, 2018									
	Expenses									
	Debt Service									
	Ontario Drain Tunnel									
	15	16	17	18	19	20	21	22	23	24
Fiscal Year Ending June 30	Ontario Drain Tunnel Volume (AF)	Ontario Drain Tunnel Cost (\$/AF)	Ontario Drain Tunnel Water Cost	Synthetically Fixed \$58.8 M (2011A)	2012A	2012B	2015A	2016A	Total Debt Payments	Debt Coverage Ratio
Escalation factor (inflation, growth, interest)	3,281									
2018	3,281	\$ 309.99	\$ 1,017,092	\$ 2,223,816	\$ 10,561,550	\$ 1,394,175	\$ 448,300	\$ 1,958,950	\$ 16,586,791	1.73
2019	3,281	\$ 310.11	\$ 1,017,472	\$ 2,223,816	\$ 10,566,350	\$ 1,391,075	\$ 452,900	\$ 1,958,950	\$ 16,593,091	1.75
2020	3,281	\$ 310.82	\$ 1,019,799	\$ 2,223,816	\$ 10,853,850	\$ 1,394,075	\$ 450,400	\$ 1,958,950	\$ 16,881,091	1.70
2021	3,281	\$ 312.37	\$ 1,024,874	\$ 2,223,816	\$ 10,841,350	\$ 1,384,575	\$ 452,750	\$ 1,958,950	\$ 16,861,441	1.73
2022	3,281	\$ 312.11	\$ 1,024,028	\$ 2,223,816	\$ 10,884,150	\$ 1,387,575	\$ 449,800	\$ 1,958,950	\$ 16,904,291	1.95
2023	3,281	\$ 316.56	\$ 1,038,620	\$ 2,223,816	\$ 11,818,750	\$ 787,325	\$ 449,000	\$ 1,958,950	\$ 17,237,841	2.21
2024	3,281	\$ 313.87	\$ 1,029,806	\$ 2,223,816	\$ 9,306,500		\$ 452,800	\$ 5,883,950	\$ 17,867,066	1.97
2025	3,281	\$ 313.35	\$ 1,028,114	\$ 4,523,816	\$ 5,268,000		\$ 451,000	\$ 9,787,700	\$ 20,030,516	1.67
2026	3,281	\$ 313.41	\$ 1,028,304	\$ 4,536,830	\$ 5,284,750		\$ 448,800	\$ 9,786,450	\$ 20,056,830	1.68
2027	3,281	\$ 323.32	\$ 1,060,800	\$ 4,546,062	\$ 5,293,250		\$ 451,200	\$ 9,965,200	\$ 20,255,712	1.67
2028	3,281	\$ 327.13	\$ 1,073,320	\$ 4,551,512	\$ 5,088,500		\$ 448,000	\$ 10,000,675	\$ 20,088,687	1.59
2029	3,281	\$ 330.25	\$ 1,083,545	\$ 4,553,180	\$ 5,060,750		\$ 449,400	\$ 10,012,925	\$ 20,076,255	1.56
2030	3,281	\$ 332.67	\$ 1,091,477	\$ 9,031,066	\$ 2,651,250		\$ 450,200	\$ 5,721,313	\$ 17,853,829	1.75
2031	3,281	\$ 339.54	\$ 1,114,032	\$ 9,025,736	\$ 2,633,750		\$ 450,400	\$ 5,802,550	\$ 17,912,436	2.06
2032	3,281			\$ 9,025,195	\$ 5,454,250		\$ 450,000		\$ 14,929,445	2.50
2033	3,281			\$ 9,113,876	\$ 5,455,750		\$ 449,000		\$ 15,018,626	2.52
2034	3,281			\$ 9,097,995	\$ 5,457,000		\$ 452,400		\$ 15,007,395	2.46
2035	3,281			\$ 3,660,958	\$ 5,452,500		\$ -		\$ 9,113,458	3.85
2036	3,281			\$ 3,632,370	\$ 5,452,000				\$ 9,084,370	4.18
2037	3,281				\$ 5,454,750				\$ 5,454,750	6.74
2038	3,281								\$ -	N/A
2039	3,281								\$ -	N/A
2040	3,281								\$ -	N/A
2041	3,281								\$ -	N/A
2042	3,281								\$ -	N/A
2043	3,281								\$ -	N/A
2044	3,281								\$ -	N/A
2045	3,281								\$ -	N/A
2046	3,281								\$ -	N/A
2047	3,281								\$ -	N/A
2048	3,281								\$ -	N/A
2049	3,281								\$ -	N/A
2050	3,281								\$ -	N/A
2051	3,281								\$ -	N/A
2052	3,281								\$ -	N/A
2053	3,281								\$ -	N/A
2054	3,281								\$ -	N/A
2055	3,281								\$ -	N/A
2056	3,281								\$ -	N/A
2057	3,281								\$ -	N/A
2058	3,281								\$ -	N/A
2059	3,281								\$ -	N/A
2060	3,281								\$ -	N/A
2061	3,281								\$ -	N/A
2062	3,281								\$ -	N/A
2063	3,281								\$ -	N/A
2064	3,281								\$ -	N/A
2065	3,281								\$ -	N/A
2066	3,281								\$ -	N/A
2067	3,281								\$ -	N/A
2068	3,281								\$ -	N/A
2069	3,281								\$ -	N/A
2070	3,281								\$ -	N/A
2071	3,281								\$ -	N/A
2072	3,281								\$ -	N/A

	Metropolitan Water District of Salt Lake & Sandy											
	Projected Cash Flow											
	Last Update: April 9, 2018											
	Expenses											
	Provo River Project (PRWUA)											
	25	26	27	28	29	30	31	32	33	34	35	36
Fiscal Year Ending June 30	Deer Creek Safety of Dams Repayment	Provo River Project (Deer Creek Division) Construction Repayment	Provo River Aqueduct (BOWR) Repayment	Provo River Aqueduct (BAF) Repayment	PRWUA Assessment (O&M and capital)	Provo River Aqueduct O&M by PRWUA	Deer Creek Intake Station O&M by PRWUA	Total PRWUA Costs	Total MWDSLS PRWUA Shares	PRWUA Water Supply Allocation (Percent)	PRWUA Water Supply Volume Available to MWDSLS (AF)	PRWUA Water Supply Unit Cost (\$/AF)
Escalation factor (inflation, growth, interest)					4.98%	5.23%	1.56%					
2018	\$ 126,485	\$ 101,805	\$ 1,241,927	\$ 824,934	\$ 1,378,378	\$ 182,913	\$ 124,145	\$ 3,980,587	61,700	100%	61,700	\$ 64.52
2019	\$ 126,485	\$ 101,805	\$ 1,352,969	\$ 150,346	\$ 1,604,817	\$ 129,508	\$ 145,393	\$ 3,611,323	61,700	100%	61,700	\$ 58.53
2020	\$ 126,485	\$ 101,805	\$ 1,241,525		\$ 1,446,248	\$ 136,281	\$ 147,661	\$ 3,200,005	61,700	100%	61,700	\$ 51.86
2021	\$ 126,485	\$ 101,805	\$ 1,441,384		\$ 1,475,247	\$ 143,408	\$ 149,965	\$ 3,438,294	61,700	100%	61,700	\$ 55.73
2022	\$ 126,485	\$ 101,805	\$ 1,441,507		\$ 1,504,863	\$ 150,908	\$ 152,304	\$ 3,477,872	61,700	100%	61,700	\$ 56.37
2023	\$ 126,485	\$ 101,805	\$ 1,441,167		\$ 1,535,096	\$ 158,800	\$ 154,680	\$ 3,518,033	61,700	100%	61,700	\$ 57.02
2024	\$ 126,485		\$ 1,441,105		\$ 1,667,751	\$ 167,105	\$ 157,093	\$ 3,559,539	61,700	100%	61,700	\$ 57.69
2025			\$ 1,441,260		\$ 1,826,320	\$ 175,845	\$ 159,544	\$ 3,602,969	61,700	100%	61,700	\$ 58.39
2026			\$ 1,440,796		\$ 1,917,271	\$ 185,042	\$ 162,033	\$ 3,705,142	61,700	100%	61,700	\$ 60.05
2027			\$ 1,441,229		\$ 2,012,751	\$ 194,720	\$ 164,561	\$ 3,813,261	61,700	100%	61,700	\$ 61.80
2028			\$ 1,440,920		\$ 2,112,986	\$ 204,904	\$ 167,128	\$ 3,925,938	61,700	100%	61,700	\$ 63.63
2029			\$ 1,441,384		\$ 2,218,213	\$ 215,620	\$ 169,735	\$ 4,044,952	61,700	100%	61,700	\$ 65.56
2030			\$ 1,441,755		\$ 2,328,680	\$ 226,897	\$ 172,383	\$ 4,169,715	61,700	100%	61,700	\$ 67.58
2031			\$ 1,441,198		\$ 2,444,648	\$ 238,764	\$ 175,072	\$ 4,299,682	61,700	100%	61,700	\$ 69.69
2032			\$ 1,441,229		\$ 2,566,391	\$ 251,251	\$ 177,803	\$ 4,436,674	61,700	100%	61,700	\$ 71.91
2033			\$ 1,440,982		\$ 2,694,197	\$ 264,391	\$ 180,577	\$ 4,580,147	61,700	100%	61,700	\$ 74.23
2034			\$ 1,441,167		\$ 2,828,368	\$ 278,219	\$ 183,394	\$ 4,731,148	61,700	100%	61,700	\$ 76.68
2035			\$ 1,441,693		\$ 2,969,221	\$ 292,770	\$ 186,255	\$ 4,889,939	61,700	100%	61,700	\$ 79.25
2036			\$ 1,440,920		\$ 3,117,088	\$ 308,082	\$ 189,161	\$ 5,055,251	61,700	100%	61,700	\$ 81.93
2037					\$ 3,272,319	\$ 324,195	\$ 192,112	\$ 3,788,626	61,700	100%	61,700	\$ 61.40
2038					\$ 3,435,280	\$ 341,150	\$ 195,109	\$ 3,971,539	61,700	100%	61,700	\$ 64.37
2039					\$ 3,606,357	\$ 358,992	\$ 198,153	\$ 4,163,502	61,700	100%	61,700	\$ 67.48
2040					\$ 3,785,954	\$ 377,767	\$ 201,244	\$ 4,364,965	61,700	100%	61,700	\$ 70.74
2041					\$ 3,974,495	\$ 397,524	\$ 204,383	\$ 4,576,402	61,700	100%	61,700	\$ 74.17
2042					\$ 4,172,425	\$ 418,315	\$ 207,571	\$ 4,798,311	61,700	100%	61,700	\$ 77.77
2043					\$ 4,380,212	\$ 440,193	\$ 210,809	\$ 5,031,214	61,700	100%	61,700	\$ 81.54
2044					\$ 4,598,347	\$ 463,215	\$ 214,098	\$ 5,275,660	61,700	100%	61,700	\$ 85.51
2045					\$ 4,827,345	\$ 487,441	\$ 217,438	\$ 5,532,224	61,700	100%	61,700	\$ 89.66
2046					\$ 5,067,747	\$ 512,934	\$ 220,830	\$ 5,801,511	61,700	100%	61,700	\$ 94.03
2047					\$ 5,320,121	\$ 539,760	\$ 224,275	\$ 6,084,156	61,700	100%	61,700	\$ 98.61
2048					\$ 5,585,063	\$ 567,989	\$ 227,774	\$ 6,380,826	61,700	100%	61,700	\$ 103.42
2049					\$ 5,863,199	\$ 597,695	\$ 231,327	\$ 6,692,221	61,700	100%	61,700	\$ 108.46
2050					\$ 6,155,186	\$ 628,954	\$ 234,936	\$ 7,019,076	61,700	100%	61,700	\$ 113.76
2051					\$ 6,461,714	\$ 661,848	\$ 238,601	\$ 7,362,163	61,700	100%	61,700	\$ 119.32
2052					\$ 6,783,507	\$ 696,463	\$ 242,323	\$ 7,722,293	61,700	100%	61,700	\$ 125.16
2053					\$ 7,121,326	\$ 732,888	\$ 246,103	\$ 8,100,317	61,700	100%	61,700	\$ 131.29
2054					\$ 7,475,968	\$ 771,218	\$ 249,942	\$ 8,497,128	61,700	100%	61,700	\$ 137.72
2055					\$ 7,848,271	\$ 811,553	\$ 253,841	\$ 8,913,665	61,700	100%	61,700	\$ 144.47
2056					\$ 8,239,115	\$ 853,997	\$ 257,801	\$ 9,350,913	61,700	100%	61,700	\$ 151.55
2057					\$ 8,649,423	\$ 898,661	\$ 261,823	\$ 9,809,907	61,700	100%	61,700	\$ 158.99
2058					\$ 9,080,164	\$ 945,661	\$ 265,907	\$ 10,291,732	61,700	100%	61,700	\$ 166.80
2059					\$ 9,532,356	\$ 995,119	\$ 270,055	\$ 10,797,530	61,700	100%	61,700	\$ 175.00
2060					\$ 10,007,067	\$ 1,047,164	\$ 274,268	\$ 11,328,499	61,700	100%	61,700	\$ 183.61
2061					\$ 10,505,419	\$ 1,101,931	\$ 278,547	\$ 11,885,897	61,700	100%	61,700	\$ 192.64
2062					\$ 11,028,589	\$ 1,159,562	\$ 282,892	\$ 12,471,043	61,700	100%	61,700	\$ 202.12
2063					\$ 11,577,813	\$ 1,220,207	\$ 287,305	\$ 13,085,325	61,700	100%	61,700	\$ 212.08
2064					\$ 12,154,388	\$ 1,284,024	\$ 291,787	\$ 13,730,199	61,700	100%	61,700	\$ 222.53
2065					\$ 12,759,677	\$ 1,351,178	\$ 296,339	\$ 14,407,194	61,700	100%	61,700	\$ 233.50
2066					\$ 13,395,109	\$ 1,421,845	\$ 300,962	\$ 15,117,916	61,700	100%	61,700	\$ 245.02
2067					\$ 14,062,185	\$ 1,496,207	\$ 305,657	\$ 15,864,049	61,700	100%	61,700	\$ 257.12
2068					\$ 14,762,482	\$ 1,574,459	\$ 310,425	\$ 16,647,366	61,700	100%	61,700	\$ 269.81
2069					\$ 15,497,654	\$ 1,656,803	\$ 315,268	\$ 17,469,725	61,700	100%	61,700	\$ 283.14
2070					\$ 16,269,437	\$ 1,743,454	\$ 320,186	\$ 18,333,077	61,700	100%	61,700	\$ 297.13
2071					\$ 17,079,655	\$ 1,834,637	\$ 325,181	\$ 19,239,473	61,700	100%	61,700	\$ 311.82
2072					\$ 17,930,222	\$ 1,930,589	\$ 330,254	\$ 20,191,065	61,700	100%	61,700	\$ 327.25

	Metropolitan Water District of Salt Lake & Sandy										
	Projected Cash Flow										
	Last Update: April 9, 2018										
	Expenses										
	Capital Expenditures										
	Central Utah Project (CUP)										
	37	38	39	40	41	42	43	44	45	46	47
Fiscal Year Ending June 30	CUP M&I System Water Petition Repayment Volume (AF)	CUP M&I System Petition Repayment Unit Cost (\$/AF)	CUP M&I System Petition Repayment Total Cost	CUP ULS Water Petition Repayment Volume (AF)	CUP ULS Petition Repayment Unit Cost (\$/AF)	CUP ULS Petition Repayment Total Cost	Non-Capacity Capital Expenditures	Capital Expenditures for Jordan Aqueduct System	New Capacity Capital Expenditures	Total Capital Expenditures	Total Expenses (i.e., Revenue Requirements) (Sum 14,23,32,46)
Escalation factor (inflation, growth, interest)								3.16%			
2018	20,000	\$ 148.56	\$ 2,971,200				\$ 3,480,750	\$ 2,266,418	\$ -	\$ 8,718,368	\$ 43,568,702
2019	20,000	\$ 148.56	\$ 2,971,200				\$ 2,277,300	\$ 1,087,259	\$ -	\$ 6,335,759	\$ 41,481,763
2020	20,000	\$ 148.56	\$ 2,971,200				\$ 1,852,250	\$ 970,142	\$ -	\$ 5,793,592	\$ 41,287,334
2021	20,000	\$ 148.56	\$ 2,971,200				\$ 2,430,700	\$ 1,626,106	\$ 330,000	\$ 7,358,006	\$ 43,546,566
2022	20,000	\$ 148.56	\$ 2,971,200				\$ 2,626,100	\$ 1,608,410	\$ 3,823,500	\$ 11,029,210	\$ 47,687,797
2023	20,000	\$ 148.56	\$ 2,971,200				\$ 6,089,500	\$ 890,564	\$ 8,513,000	\$ 18,464,264	\$ 55,901,079
2024	20,000	\$ 148.56	\$ 2,971,200				\$ 6,165,000	\$ 901,395	\$ 6,340,000	\$ 16,377,595	\$ 54,907,877
2025	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 4,356,100	\$ 753,192	\$ 2,000,000	\$ 12,930,888	\$ 54,530,596
2026	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 2,656,700	\$ 809,112	\$ 2,000,000	\$ 11,287,408	\$ 53,524,710
2027	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 4,726,000	\$ 869,486	\$ 2,000,000	\$ 13,417,082	\$ 56,498,752
2028	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 1,237,000	\$ 934,669	\$ -	\$ 7,993,265	\$ 51,588,883
2029	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 9,676,760	\$ 1,156,068	\$ 62,500	\$ 16,716,924	\$ 61,021,275
2030	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 13,412,560	\$ 1,192,600	\$ 325,000	\$ 20,751,756	\$ 63,597,633
2031	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 11,998,560	\$ 1,230,286	\$ 325,000	\$ 19,375,442	\$ 63,089,823
2032	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 11,998,560	\$ 1,269,163	\$ -	\$ 19,089,319	\$ 60,682,579
2033	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 12,373,560	\$ 1,309,269	\$ -	\$ 19,504,425	\$ 62,104,125
2034	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 5,550,000	\$ 1,350,642	\$ -	\$ 12,722,238	\$ 56,289,648
2035	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 19,700,417	\$ 1,393,322	\$ -	\$ 26,915,335	\$ 65,635,188
2036	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 19,844,850	\$ 1,437,351	\$ -	\$ 27,103,797	\$ 66,913,127
2037	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 20,010,615	\$ 1,482,771	\$ -	\$ 27,314,982	\$ 63,254,024
2038	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 20,146,844	\$ 1,529,627	\$ -	\$ 27,498,067	\$ 59,271,232
2039	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 20,304,669	\$ 1,577,963	\$ -	\$ 27,704,228	\$ 60,863,644
2040	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 29,367,229	\$ 1,627,827	\$ -	\$ 36,816,652	\$ 71,469,499
2041	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 20,634,666	\$ 1,679,266	\$ -	\$ 28,135,528	\$ 64,400,094
2042	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 20,807,126	\$ 1,732,331	\$ -	\$ 28,361,053	\$ 66,367,529
2043	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 20,984,760	\$ 1,787,073	\$ -	\$ 28,593,428	\$ 68,485,470
2044	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 509.00	\$ 2,850,396	\$ 21,167,723	\$ 1,843,544	\$ -	\$ 28,832,863	\$ 70,769,414
2045	16,000	\$ 148.56	\$ 2,376,960	5,600	\$ 509.00	\$ 2,850,396	\$ 21,486,174	\$ 1,901,800	\$ -	\$ 28,615,330	\$ 72,771,674
2046	12,000	\$ 148.56	\$ 1,782,720	5,600	\$ 509.00	\$ 2,850,396	\$ 21,705,530	\$ 1,961,897	\$ -	\$ 28,300,543	\$ 74,870,384
2047	8,000	\$ 148.56	\$ 1,188,480	5,600	\$ 509.00	\$ 2,850,396	\$ 21,768,208	\$ 2,023,893	\$ -	\$ 27,830,977	\$ 77,028,264
2048	4,000	\$ 148.56	\$ 594,240	5,600	\$ 509.00	\$ 2,850,396	\$ 21,956,134	\$ 2,087,848	\$ -	\$ 27,488,618	\$ 79,550,654
2049	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 22,168,238	\$ 2,153,824	\$ -	\$ 27,172,458	\$ 82,361,725
2050	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 22,386,705	\$ 2,221,885	\$ -	\$ 27,458,986	\$ 86,066,258
2051	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 22,611,726	\$ 2,292,096	\$ -	\$ 27,754,218	\$ 90,101,927
2052	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 22,843,498	\$ 2,364,527	\$ -	\$ 28,058,420	\$ 94,503,770
2053	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 23,082,223	\$ 2,439,246	\$ -	\$ 28,371,864	\$ 99,311,228
2054	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 23,328,110	\$ 2,516,326	\$ -	\$ 28,694,832	\$ 104,567,636
2055	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 8,845,373	\$ 2,595,842	\$ -	\$ 14,291,611	\$ 95,586,272
2056	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 9,106,234	\$ 2,677,870	\$ -	\$ 14,634,500	\$ 101,893,083
2057	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 9,374,921	\$ 2,762,491	\$ -	\$ 14,987,808	\$ 108,812,479
2058	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 9,651,669	\$ 2,849,786	\$ -	\$ 15,351,851	\$ 116,411,843
2059	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 9,936,719	\$ 2,939,839	\$ -	\$ 15,726,954	\$ 124,765,795
2060	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 10,230,321	\$ 3,032,738	\$ -	\$ 16,113,455	\$ 133,958,245
2061	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 10,532,730	\$ 3,128,572	\$ -	\$ 16,511,698	\$ 144,082,132
2062	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 10,844,212	\$ 3,227,435	\$ -	\$ 16,922,043	\$ 155,241,228
2063	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 11,165,039	\$ 3,329,422	\$ -	\$ 17,344,857	\$ 167,550,904
2064	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 11,495,490	\$ 3,434,632	\$ -	\$ 17,780,518	\$ 181,140,183
2065	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 11,835,855	\$ 3,543,166	\$ -	\$ 18,229,417	\$ 196,152,769
2066	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 12,186,430	\$ 3,655,131	\$ -	\$ 18,691,956	\$ 212,749,099
2067	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 12,547,523	\$ 3,770,633	\$ -	\$ 19,168,551	\$ 231,107,626
2068	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 12,919,449	\$ 3,889,785	\$ -	\$ 19,659,629	\$ 251,427,643
2069	-	\$ -	\$ -	5,600	\$ 509.00	\$ 2,850,396	\$ 13,302,532	\$ 4,012,702	\$ -	\$ 20,165,630	\$ 273,931,586
2070	-	\$ -	\$ -				\$ 13,697,108	\$ 4,139,503	\$ -	\$ 17,836,611	\$ 296,016,948
2071	-	\$ -	\$ -				\$ 14,103,521	\$ 4,270,312	\$ -	\$ 18,373,833	\$ 323,661,204
2072	-	\$ -	\$ -				\$ 14,522,127	\$ 4,405,253	\$ -	\$ 18,927,380	\$ 354,322,501

	Metropolitan Water District of Salt Lake & Sandy									
	Projected Cash Flow									
	Last Update: April 9, 2018									
	Revenues									
	Taxes			Water Sales						
				Water Sales to Member Cities						
	48	49	50	51	52	53	54	55	56	57
Fiscal Year Ending June 30	Salt Lake City Taxes	Sandy City Taxes	Total MWDSLS Taxes	Total Water Sales to Member Cities (fixed rate)	Proposed Water Rate Increase	Water Sales to Salt Lake City (fixed rate)	Estimated Water Sales to Salt Lake City (AF)	Water Sales to Sandy City (fixed rate)	Estimated Water Sales to Sandy City (AF)	Total Water Sales Volume to Member Cities (AF)
Escalation factor (inflation, growth, interest)	0.00%	0.00%				73%		27%		
2018	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 21,272,534	5.0%	\$ 15,528,950	48,792	\$ 5,743,584	17981	66773
2019	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 21,910,710	3.0%	\$ 15,994,818	49,298	\$ 5,915,892	17800	67099
2020	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 22,568,031	3.0%	\$ 16,474,663	49,805	\$ 6,093,368	17620	67424
2021	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 23,245,072	3.0%	\$ 16,968,903	50,311	\$ 6,276,169	17439	67750
2022	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 23,942,424	3.0%	\$ 17,477,970	50,818	\$ 6,464,455	17258	68076
2023	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 24,660,697	3.0%	\$ 18,002,309	51,324	\$ 6,658,388	17078	68402
2024	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 24,660,697	0.0%	\$ 18,002,309	51,831	\$ 6,658,388	16897	68728
2025	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 25,400,518	3.0%	\$ 18,542,378	52,337	\$ 6,858,140	16716	69054
2026	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 26,162,533	3.0%	\$ 19,098,649	52,844	\$ 7,063,884	16536	69380
2027	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 26,947,409	3.0%	\$ 19,671,609	53,350	\$ 7,275,801	16355	69705
2028	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 27,755,832	3.0%	\$ 20,261,757	53,857	\$ 7,494,075	16174	70031
2029	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 27,755,832	0.0%	\$ 20,261,757	54,363	\$ 7,494,075	15994	70357
2030	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 28,310,948	2.0%	\$ 20,666,992	54,870	\$ 7,643,956	15813	70683
2031	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 34,822,466	23.0%	\$ 25,420,400	55,376	\$ 9,402,066	15632	71009
2032	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 37,608,264	8.0%	\$ 27,454,033	55,883	\$ 10,154,231	15452	71335
2033	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 39,112,594	4.0%	\$ 28,552,194	56,389	\$ 10,560,400	15271	71661
2034	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 39,112,594	0.0%	\$ 28,552,194	56,896	\$ 10,560,400	15091	71986
2035	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 43,806,106	12.0%	\$ 31,978,457	57,402	\$ 11,827,649	14910	72312
2036	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 53,443,449	22.0%	\$ 39,013,718	57,909	\$ 14,429,731	14729	72638
2037	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 53,443,449	0.0%	\$ 39,013,718	58,415	\$ 14,429,731	14549	72964
2038	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 53,443,449	0.0%	\$ 39,013,718	58,922	\$ 14,429,731	14368	73290
2039	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 53,443,449	0.0%	\$ 39,013,718	59,428	\$ 14,429,731	14187	73616
2040	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 53,443,449	0.0%	\$ 39,013,718	59,935	\$ 14,429,731	14007	73941
2041	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 53,443,449	0.0%	\$ 39,013,718	60,441	\$ 14,429,731	13826	74267
2042	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 53,443,449	0.0%	\$ 39,013,718	60,948	\$ 14,429,731	13645	74593
2043	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 53,443,449	0.0%	\$ 39,013,718	61,454	\$ 14,429,731	13465	74919
2044	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 53,443,449	0.0%	\$ 39,013,718	61,961	\$ 14,429,731	13284	75245
2045	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 53,443,449	0.0%	\$ 39,013,718	62,467	\$ 14,429,731	13103	75571
2046	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 53,443,449	0.0%	\$ 39,013,718	62,974	\$ 14,429,731	12923	75897
2047	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 53,443,449	0.0%	\$ 39,013,718	63,480	\$ 14,429,731	12742	76222
2048	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 65,201,008	22.0%	\$ 47,596,735	63,987	\$ 17,604,272	12561	76548
2049	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 69,113,068	6.0%	\$ 50,452,540	64,493	\$ 18,660,528	12381	76874
2050	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 69,804,199	1.0%	\$ 50,957,065	65,000	\$ 18,847,134	12200	77200
2051	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 73,294,409	5.0%	\$ 53,504,918	65,000	\$ 19,789,490	12200	77200
2052	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 78,425,017	7.0%	\$ 57,250,263	65,000	\$ 21,174,755	12200	77200
2053	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 83,130,518	6.0%	\$ 60,685,278	65,000	\$ 22,445,240	12200	77200
2054	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 88,949,654	7.0%	\$ 64,933,248	65,000	\$ 24,016,407	12200	77200
2055	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 88,949,654	0.0%	\$ 64,933,248	65,000	\$ 24,016,407	12200	77200
2056	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 88,949,654	0.0%	\$ 64,933,248	65,000	\$ 24,016,407	12200	77200
2057	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 88,949,654	0.0%	\$ 64,933,248	65,000	\$ 24,016,407	12200	77200
2058	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 102,292,103	15.0%	\$ 74,673,235	65,000	\$ 27,618,868	12200	77200
2059	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 112,521,313	10.0%	\$ 82,140,558	65,000	\$ 30,380,754	12200	77200
2060	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 120,397,805	7.0%	\$ 87,890,398	65,000	\$ 32,507,407	12200	77200
2061	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 131,233,607	9.0%	\$ 95,800,533	65,000	\$ 35,433,074	12200	77200
2062	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 141,732,296	8.0%	\$ 103,464,576	65,000	\$ 38,267,720	12200	77200
2063	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 154,488,202	9.0%	\$ 112,776,388	65,000	\$ 41,711,815	12200	77200
2064	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 168,392,141	9.0%	\$ 122,926,263	65,000	\$ 45,465,878	12200	77200
2065	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 183,547,433	9.0%	\$ 133,989,626	65,000	\$ 49,557,807	12200	77200
2066	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 200,066,702	9.0%	\$ 146,048,693	65,000	\$ 54,018,010	12200	77200
2067	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 218,072,706	9.0%	\$ 159,193,075	65,000	\$ 58,879,631	12200	77200
2068	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 233,337,795	7.0%	\$ 170,336,590	65,000	\$ 63,001,205	12200	77200
2069	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 256,671,574	10.0%	\$ 187,370,249	65,000	\$ 69,301,325	12200	77200
2070	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 282,338,732	10.0%	\$ 206,107,274	65,000	\$ 76,231,458	12200	77200
2071	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 310,572,605	10.0%	\$ 226,718,002	65,000	\$ 83,854,603	12200	77200
2072	\$ 7,806,177	\$ 2,602,059	\$ 10,408,236	\$ 338,524,140	9.0%	\$ 247,122,622	65,000	\$ 91,401,518	12200	77200

	Metropolitan Water District of Salt Lake & Sandy									
	Projected Cash Flow									
	Last Update: April 9, 2018									
	Revenues									
	Water Sales									
	Sales to Others					JSSD/ODT Water Agreement				
	58	59	60	61	62	63	64	65	66	67
Fiscal Year Ending June 30	Treated Water Rate	Conveyance Fee	Non-member Entity Water Volume (AF)	Water Conveyance for Others (AF)	Non-member Entity Total Water Sales and Conveyance Revenue	Jordanelle Special Services District Use of ODT Water (AF)	Jordanelle Special Services District Water Rate (\$/AF)	Revenue from ODT Water	Total Water Sales/Conveyance Revenue	Revenue increase (%)
Escalation factor (inflation, growth, interest)							3.00%			
2018	\$ 310.00	\$ 21.00	669	8,123	\$ 392,022	500	\$ 200.00	\$ 200,000	\$ 21,864,556	5.41%
2019	\$ 319.00	\$ 22.00	1,116	8,194	\$ 764,814	500	\$ 200.00	\$ 200,000	\$ 22,875,524	4.62%
2020	\$ 329.00	\$ 22.66			\$ -	500	\$ 206.00	\$ 203,000	\$ 22,771,031	-0.46%
2021	\$ 339.00	\$ 23.34			\$ -	500	\$ 212.18	\$ 206,090	\$ 23,451,162	2.99%
2022	\$ 349.00	\$ 24.04			\$ -	500	\$ 218.55	\$ 209,273	\$ 24,151,697	2.99%
2023	\$ 359.00	\$ 24.76			\$ -	1,000	\$ 225.10	\$ 325,102	\$ 24,985,799	3.45%
2024	\$ 359.00	\$ 24.76			\$ -	1,000	\$ 231.85	\$ 331,855	\$ 24,992,552	0.03%
2025	\$ 370.00	\$ 25.50			\$ -	1,000	\$ 238.81	\$ 249,810	\$ 25,650,328	2.63%
2026	\$ 381.00	\$ 26.27			\$ -	1,000	\$ 245.97	\$ 245,975	\$ 26,408,508	2.96%
2027	\$ 392.00	\$ 27.06			\$ -	3,281	\$ 253.35	\$ 831,255	\$ 27,778,664	5.19%
2028	\$ 404.00	\$ 27.87			\$ -	3,281	\$ 260.95	\$ 856,192	\$ 28,612,024	3.00%
2029	\$ 404.00	\$ 27.87			\$ -	3,281	\$ 268.78	\$ 881,878	\$ 28,637,710	0.09%
2030	\$ 412.00	\$ 28.43			\$ -	3,281	\$ 276.85	\$ 908,334	\$ 29,219,283	2.03%
2031	\$ 507.00	\$ 34.97			\$ -	3,281	\$ 285.15	\$ 935,584	\$ 35,758,051	22.38%
2032	\$ 548.00	\$ 37.77			\$ -	3,281	\$ 293.71	\$ 963,652	\$ 38,571,916	7.87%
2033	\$ 570.00	\$ 39.28			\$ -	3,281	\$ 302.52	\$ 992,561	\$ 40,105,156	3.98%
2034	\$ 570.00	\$ 39.28			\$ -	3,281	\$ 311.59	\$ 1,022,338	\$ 40,134,932	0.07%
2035	\$ 638.00	\$ 43.99			\$ -	3,281	\$ 320.94	\$ 1,053,008	\$ 44,859,114	11.77%
2036	\$ 778.00	\$ 53.67			\$ -	3,281	\$ 330.57	\$ 1,084,599	\$ 54,528,047	21.55%
2037	\$ 778.00	\$ 53.67			\$ -	3,281	\$ 340.49	\$ 1,117,137	\$ 54,560,585	0.06%
2038	\$ 778.00	\$ 53.67			\$ -	3,281	\$ 350.70	\$ 1,150,651	\$ 54,594,099	0.06%
2039	\$ 778.00	\$ 53.67			\$ -	3,281	\$ 361.22	\$ 1,185,170	\$ 54,628,619	0.06%
2040	\$ 778.00	\$ 53.67			\$ -	3,281	\$ 372.06	\$ 1,220,725	\$ 54,664,174	0.07%
2041	\$ 778.00	\$ 53.67			\$ -	3,281	\$ 383.22	\$ 1,257,347	\$ 54,700,796	0.07%
2042	\$ 778.00	\$ 53.67			\$ -	3,281	\$ 394.72	\$ 1,295,067	\$ 54,738,516	0.07%
2043	\$ 778.00	\$ 53.67			\$ -	3,281	\$ 406.56	\$ 1,333,919	\$ 54,777,368	0.07%
2044	\$ 778.00	\$ 53.67			\$ -	3,281	\$ 418.76	\$ 1,373,937	\$ 54,817,386	0.07%
2045	\$ 778.00	\$ 53.67			\$ -	3,281	\$ 431.32	\$ 1,415,155	\$ 54,858,604	0.08%
2046	\$ 778.00	\$ 53.67			\$ -	3,281	\$ 444.26	\$ 1,457,610	\$ 54,901,059	0.08%
2047	\$ 778.00	\$ 53.67			\$ -	3,281	\$ 457.59	\$ 1,501,338	\$ 54,944,787	0.08%
2048	\$ 949.00	\$ 65.48			\$ -	3,281	\$ 471.31	\$ 1,546,378	\$ 66,747,386	21.48%
2049	\$ 1,006.00	\$ 69.41			\$ -	3,281	\$ 485.45	\$ 1,592,770	\$ 70,705,838	5.93%
2050	\$ 1,016.00	\$ 70.10			\$ -	3,281	\$ 500.02	\$ 1,640,553	\$ 71,444,751	1.05%
2051	\$ 1,067.00	\$ 73.61			\$ -	3,281	\$ 515.02	\$ 1,689,769	\$ 74,984,178	4.95%
2052	\$ 1,142.00	\$ 78.76			\$ -	3,281	\$ 530.47	\$ 1,740,462	\$ 80,165,480	6.91%
2053	\$ 1,211.00	\$ 83.49			\$ -	3,281	\$ 546.38	\$ 1,792,676	\$ 84,923,194	5.93%
2054	\$ 1,296.00	\$ 89.33			\$ -	3,281	\$ 562.77	\$ 1,846,457	\$ 90,796,111	6.92%
2055	\$ 1,296.00	\$ 89.33			\$ -	3,281	\$ 579.66	\$ 1,901,850	\$ 90,851,505	0.06%
2056	\$ 1,296.00	\$ 89.33			\$ -	3,281	\$ 597.05	\$ 1,958,906	\$ 90,908,560	0.06%
2057	\$ 1,296.00	\$ 89.33			\$ -	3,281	\$ 614.96	\$ 2,017,673	\$ 90,967,327	0.06%
2058	\$ 1,490.00	\$ 102.73			\$ -	3,281	\$ 633.41	\$ 2,078,203	\$ 104,370,306	14.73%
2059	\$ 1,639.00	\$ 113.00			\$ -	3,281	\$ 652.41	\$ 2,140,549	\$ 114,661,862	9.86%
2060	\$ 1,754.00	\$ 120.91			\$ -	3,281	\$ 671.98	\$ 2,204,766	\$ 122,602,571	6.93%
2061	\$ 1,912.00	\$ 131.79			\$ -	3,281	\$ 692.14	\$ 2,270,909	\$ 133,504,516	8.89%
2062	\$ 2,065.00	\$ 142.33			\$ -	3,281	\$ 712.90	\$ 2,339,036	\$ 144,071,332	7.91%
2063	\$ 2,251.00	\$ 155.14			\$ -	3,281	\$ 734.29	\$ 2,409,207	\$ 156,897,409	8.90%
2064	\$ 2,454.00	\$ 169.10			\$ -	3,281	\$ 756.32	\$ 2,481,483	\$ 170,873,624	8.91%
2065	\$ 2,675.00	\$ 184.32			\$ -	3,281	\$ 779.01	\$ 2,555,928	\$ 186,103,361	8.91%
2066	\$ 2,916.00	\$ 200.91			\$ -	3,281	\$ 802.38	\$ 2,632,606	\$ 202,699,308	8.92%
2067	\$ 3,178.00	\$ 218.99			\$ -	3,281	\$ 826.45	\$ 2,711,584	\$ 220,784,289	8.92%
2068	\$ 3,400.00	\$ 234.32			\$ -	3,281	\$ 851.24	\$ 2,792,931	\$ 236,130,726	6.95%
2069	\$ 3,740.00	\$ 257.75			\$ -	3,281	\$ 876.78	\$ 2,876,719	\$ 259,548,294	9.92%
2070	\$ 4,114.00	\$ 283.53			\$ -	3,281	\$ 903.08	\$ 2,963,021	\$ 285,301,753	9.92%
2071	\$ 4,525.00	\$ 311.88			\$ -	3,281	\$ 930.18	\$ 3,051,911	\$ 313,624,516	9.93%
2072	\$ 4,932.00	\$ 339.95			\$ -	3,281	\$ 958.08	\$ 3,143,469	\$ 341,667,608	8.94%

	Metropolitan Water District of Salt Lake & Sandy																
	Projected Cash Flow																
	Last Update: April 9, 2018																
	Revenues																
	Assessments						Miscellaneous Revenues										
	Capacity/Supply Assessments																
	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82		
Fiscal Year Ending June 30	Salt Lake City Metro Water Project Capital Assessment	Sandy City Metro Water Project Capital Assessment	Sandy City Ontario Drain Tunnel Water Assessment (net of JSSD payments)	New Capacity Assessments	Utah Lake System Water (New Supply) Assessments to Member Cities	Total Assessments	Little Dell Revenues	POMWTP Storage Revenues	Terminal Reservoir Cell Tower Revenues	LCWTP Cell Tower Revenues	Other Miscellaneous Revenues	Total Miscellaneous Revenues	Operations and Maintenance Reserve Account Interest Income	Total Revenues	Net Cash Flow (81 minus 49)		
Escalation factor (inflation, growth, interest)							0%	0%	3.00%		0%		1.30%				
2018	\$ 7,021,892	\$ 4,210,322	\$ 817,092	\$ -	\$ -	\$ 12,049,306	\$ 66,000	\$ 50,000	\$ -	\$ 26,400	\$ 6,000	\$ 148,400	\$ 218,630	\$ 44,664,181	\$ 1,095,478		
2019	\$ 7,021,892	\$ 4,210,322	\$ 817,472	\$ -	\$ -	\$ 12,049,686	\$ -	\$ 40,000	\$ 28,644	\$ 26,400	\$ 6,000	\$ 101,044	\$ 358,382	\$ 45,792,872	\$ 4,311,109		
2020	\$ 7,021,892	\$ 4,210,322	\$ 816,799	\$ -	\$ -	\$ 12,049,013	\$ 30,000	\$ 40,000	\$ 29,504	\$ 26,400	\$ 6,000	\$ 131,904	\$ 414,427	\$ 45,774,610	\$ 4,487,276		
2021	\$ 7,021,892	\$ 4,210,322	\$ 818,784	\$ 330,000	\$ -	\$ 12,380,998	\$ 30,000	\$ 40,000	\$ 30,389	\$ 26,400	\$ 6,000	\$ 132,789	\$ 472,761	\$ 46,845,946	\$ 3,299,381		
2022	\$ 7,021,892	\$ 4,210,322	\$ 814,756	\$ 3,823,500	\$ -	\$ 15,870,470	\$ 30,000	\$ 40,000	\$ 31,300	\$ 29,040	\$ 6,000	\$ 136,340	\$ 515,653	\$ 51,082,396	\$ 3,394,599		
2023	\$ 7,021,892	\$ 4,210,322	\$ 713,519	\$ 8,513,000	\$ -	\$ 20,458,733	\$ 30,000	\$ 40,000	\$ 32,239	\$ 29,040	\$ 6,000	\$ 137,279	\$ 559,783	\$ 56,549,830	\$ 648,750		
2024	\$ 7,021,892	\$ 4,210,322	\$ 697,951	\$ 6,340,000	\$ -	\$ 18,270,165	\$ 30,000	\$ 40,000	\$ 33,207	\$ 29,040	\$ 6,000	\$ 138,247	\$ 568,217	\$ 54,377,416	\$ (530,461)		
2025	\$ 7,021,892	\$ 4,210,322	\$ 778,304	\$ 2,000,000	\$ 2,850,396	\$ 16,860,913	\$ 30,000	\$ 40,000	\$ 34,203	\$ 29,040	\$ 6,000	\$ 139,243	\$ 561,321	\$ 53,620,041	\$ (910,554)		
2026	\$ 7,021,892	\$ 4,210,322	\$ 782,329	\$ 2,000,000	\$ 2,850,396	\$ 16,864,939	\$ 30,000	\$ 40,000	\$ 35,229	\$ 29,040	\$ 6,000	\$ 140,269	\$ 549,484	\$ 54,371,435	\$ 846,725		
2027	\$ 7,021,892	\$ 4,210,322	\$ 229,546	\$ 2,000,000	\$ 2,850,396	\$ 16,312,156	\$ 30,000	\$ 40,000	\$ 36,286	\$ 31,944	\$ 6,000	\$ 144,230	\$ 560,491	\$ 55,203,776	\$ (1,294,976)		
2028	\$ 7,021,892	\$ 4,210,322	\$ 217,128	\$ -	\$ 2,850,396	\$ 14,299,738	\$ 30,000	\$ 40,000	\$ 37,374	\$ 31,944	\$ 6,000	\$ 145,318	\$ 543,656	\$ 54,008,972	\$ 2,420,089		
2029	\$ 7,021,892	\$ 4,210,322	\$ 201,667	\$ 62,500	\$ 2,850,396	\$ 14,346,777	\$ 30,000	\$ 40,000	\$ 38,496	\$ 31,944	\$ 6,000	\$ 146,440	\$ 575,117	\$ 54,114,280	\$ (6,906,995)		
2030	\$ 7,021,892	\$ 4,210,322	\$ 183,142	\$ 325,000	\$ 2,850,396	\$ 14,590,752	\$ 30,000	\$ 40,000	\$ 39,650	\$ 31,944	\$ 6,000	\$ 147,594	\$ 485,327	\$ 54,851,192	\$ (8,746,441)		
2031	\$ 7,021,892	\$ 4,210,322	\$ 178,448	\$ 325,000	\$ 2,850,396	\$ 14,586,058	\$ 30,000	\$ 40,000		\$ 31,944	\$ 6,000	\$ 107,944	\$ 371,623	\$ 61,231,911	\$ (1,857,912)		
2032	\$ 7,021,892	\$ 4,210,322	\$ (963,652)	\$ -	\$ 2,850,396	\$ 13,118,958	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 347,470	\$ 62,522,579	\$ 1,840,001		
2033	\$ 7,021,892	\$ 4,210,322	\$ (992,561)	\$ -	\$ 2,850,396	\$ 13,090,048	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 371,390	\$ 64,050,830	\$ 1,946,705		
2034	\$ 7,021,892	\$ 4,210,322	\$ (1,022,338)	\$ -	\$ 2,850,396	\$ 13,060,272	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 396,697	\$ 64,076,137	\$ 7,786,489		
2035	\$ 3,510,946	\$ 2,105,161	\$ (1,053,008)	\$ -	\$ 2,850,396	\$ 7,413,494	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 497,921	\$ 63,254,766	\$ (2,380,422)		
2036			\$ (1,084,599)	\$ -	\$ 2,850,396	\$ 1,765,797	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 466,976	\$ 67,245,057	\$ 331,930		
2037			\$ (1,117,137)	\$ -	\$ 2,850,396	\$ 1,733,259	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 471,291	\$ 67,249,372	\$ 3,995,347		
2038			\$ (1,150,651)	\$ -	\$ 2,850,396	\$ 1,699,745	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 523,231	\$ 67,301,311	\$ 8,030,079		
2039			\$ (1,185,170)	\$ -	\$ 2,850,396	\$ 1,665,226	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 627,622	\$ 67,405,702	\$ 6,542,058		
2040			\$ (1,220,725)	\$ -	\$ 2,850,396	\$ 1,629,670	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 712,668	\$ 67,490,749	\$ (3,978,750)		
2041			\$ (1,257,347)	\$ -	\$ 2,850,396	\$ 1,593,049	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 660,945	\$ 67,439,025	\$ 3,038,931		
2042			\$ (1,295,067)	\$ -	\$ 2,850,396	\$ 1,555,328	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 700,451	\$ 67,478,531	\$ 1,111,002		
2043			\$ (1,333,919)	\$ -	\$ 2,850,396	\$ 1,516,476	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 714,894	\$ 67,492,974	\$ (992,496)		
2044			\$ (1,373,937)	\$ -	\$ 2,850,396	\$ 1,476,459	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 701,991	\$ 67,480,072	\$ (3,289,342)		
2045			\$ (1,415,155)	\$ -	\$ 2,850,396	\$ 1,435,241	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 659,230	\$ 67,437,310	\$ (5,334,364)		
2046			\$ (1,457,610)	\$ -	\$ 2,850,396	\$ 1,392,786	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 589,883	\$ 67,367,964	\$ (7,502,420)		
2047			\$ (1,501,338)	\$ -	\$ 2,850,396	\$ 1,349,058	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 492,352	\$ 67,270,432	\$ (9,757,832)		
2048			\$ (1,546,378)	\$ -	\$ 2,850,396	\$ 1,304,017	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 365,500	\$ 78,901,139	\$ (649,515)		
2049			\$ (1,592,770)	\$ -	\$ 2,850,396	\$ 1,257,626	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 357,056	\$ 82,804,756	\$ 443,031		
2050			\$ (1,640,553)	\$ -	\$ 2,850,396	\$ 1,209,843	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 362,816	\$ 83,501,646	\$ (2,564,612)		
2051			\$ (1,689,769)	\$ -	\$ 2,850,396	\$ 1,160,626	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 329,476	\$ 86,958,516	\$ (3,143,411)		
2052			\$ (1,740,462)	\$ -	\$ 2,850,396	\$ 1,109,933	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 288,611	\$ 92,048,260	\$ (2,455,510)		
2053			\$ (1,792,676)	\$ -	\$ 2,850,396	\$ 1,057,720	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 256,690	\$ 96,721,840	\$ (2,589,389)		
2054			\$ (1,846,457)	\$ -	\$ 2,850,396	\$ 1,003,939	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 223,028	\$ 102,507,314	\$ (2,060,322)		
2055			\$ (1,901,850)	\$ -	\$ 2,850,396	\$ 948,546	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 196,243	\$ 102,480,530	\$ 6,894,258		
2056			\$ (1,958,906)	\$ -	\$ 2,850,396	\$ 891,490	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 285,869	\$ 102,570,155	\$ 677,072		
2057			\$ (2,017,673)	\$ -	\$ 2,850,396	\$ 832,723	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 294,671	\$ 102,578,957	\$ (6,233,522)		
2058			\$ (2,078,203)	\$ -	\$ 2,850,396	\$ 772,193	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 213,635	\$ 115,840,369	\$ (571,473)		
2059			\$ (2,140,549)	\$ -	\$ 2,850,396	\$ 709,847	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 206,206	\$ 126,062,150	\$ 1,296,356		
2060			\$ (2,204,766)	\$ -	\$ 2,850,396	\$ 645,630	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 223,058	\$ 133,955,495	\$ (2,750)		
2061			\$ (2,270,909)	\$ -	\$ 2,850,396	\$ 579,487	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 223,023	\$ 144,791,262	\$ 709,129		
2062			\$ (2,339,036)	\$ -	\$ 2,850,396	\$ 511,360	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 232,241	\$ 155,299,169	\$ 57,941		
2063			\$ (2,409,207)	\$ -	\$ 2,850,396	\$ 441,189	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 232,995	\$ 168,055,829	\$ 504,925		
2064			\$ (2,481,483)	\$ -	\$ 2,850,396	\$ 368,913	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 239,559	\$ 181,966,331	\$ 826,148		
2065			\$ (2,555,928)	\$ -	\$ 2,850,396	\$ 294,468	\$ 30,000	\$ 40,000			\$ 6,000	\$ 76,000	\$ 250,299	\$ 197,132,364	\$ 979,594		
2066			\$ (2,632,606)	\$ -	\$ 2,850,396	\$ 217,790	\$ 30,000	\$ 40,000									

	Metropolitan Water District of Salt Lake & Sandy													
	Projected Cash Flow													
	Last Update: April 9, 2018													
	Reserve Balances													
		Restricted						Assigned						
	83	84	85	86	87	88	89	90	91	92	93	94	95	96
Fiscal Year Ending June 30	Total Available Reserves	Required Operations and Maintenance Reserve Account Balance	Required Renewal and Replacement Reserve Fund	Jordan Aqueduct Reserve Account	JVWTP Operations and Maintenance Reserve	150th South Pipeline Agreement	Total Restricted Reserves	Total Reserves Available to be Assigned	Capital Projects Reserve	Self Insurance/ Contingency Reserve	Interest Rate Stabilization Reserve	Aquifer Storage and Recovery (ASR) Reserve	Total Assigned Reserves	Remaining Unassigned Reserves
Escalation factor (inflation, growth, interest)				1.30%		1.30%								
2018	\$ 27,567,868	\$ 3,570,739	\$ 650,000	\$ 40,720	\$ 20,000	\$ 33,404	\$ 4,314,863	\$ 23,253,005	\$ 4,291,666	\$ 2,000,000	\$ 3,284,866	\$ 392,839	\$ 9,969,371	\$ 13,283,634
2019	\$ 31,878,977	\$ 3,735,398	\$ 650,000	\$ 41,249	\$ 20,000	\$ 33,838	\$ 4,480,485	\$ 27,398,492	\$ 5,032,033	\$ 2,000,000	\$ 3,284,866	\$ 1,010,992	\$ 11,327,891	\$ 16,070,601
2020	\$ 36,366,253	\$ 3,853,162	\$ 650,000	\$ 41,786	\$ 20,000	\$ 34,278	\$ 4,599,225	\$ 31,767,028	\$ 5,489,413	\$ 2,000,000	\$ 3,284,866	\$ 1,010,992	\$ 11,785,271	\$ 19,981,756
2021	\$ 39,665,634	\$ 3,972,206	\$ 650,000	\$ 42,329	\$ 20,000	\$ 34,724	\$ 4,719,259	\$ 34,946,375	\$ 5,371,215	\$ 2,000,000	\$ 3,284,866	\$ 1,010,992	\$ 11,667,073	\$ 23,279,302
2022	\$ 43,060,232	\$ 4,069,106	\$ 650,000	\$ 42,879	\$ 20,000	\$ 35,175	\$ 4,817,160	\$ 38,243,072	\$ 5,643,410	\$ 2,000,000	\$ 3,284,866	\$ 1,010,992	\$ 11,939,268	\$ 26,303,804
2023	\$ 43,708,983	\$ 4,170,235	\$ 650,000	\$ 43,437	\$ 20,000	\$ 35,632	\$ 4,919,304	\$ 38,789,679	\$ 4,681,731	\$ 2,000,000	\$ 3,284,866	\$ 1,010,992	\$ 10,977,589	\$ 27,812,090
2024	\$ 43,178,522	\$ 4,275,919	\$ 650,000	\$ 44,001	\$ 20,000	\$ 36,096	\$ 5,026,016	\$ 38,152,506	\$ 5,435,017	\$ 2,000,000	\$ 3,284,866	\$ 1,010,992	\$ 11,730,875	\$ 26,421,630
2025	\$ 42,267,967	\$ 4,491,556	\$ 650,000	\$ 44,573	\$ 20,000	\$ 36,565	\$ 5,242,694	\$ 37,025,273	\$ 7,334,191	\$ 2,000,000	\$ 3,284,866	\$ 1,010,992	\$ 13,630,049	\$ 23,395,224
2026	\$ 43,114,692	\$ 4,618,833	\$ 650,000	\$ 45,153	\$ 20,000	\$ 37,040	\$ 5,371,025	\$ 37,743,667	\$ 9,286,798	\$ 2,000,000	\$ 3,284,866	\$ 1,010,992	\$ 15,582,656	\$ 22,161,011
2027	\$ 41,819,717	\$ 4,753,174	\$ 650,000	\$ 45,740	\$ 20,000	\$ 37,522	\$ 5,506,436	\$ 36,313,281	\$ 10,821,245	\$ 2,000,000	\$ 3,284,866	\$ 1,010,992	\$ 17,117,103	\$ 19,196,177
2028	\$ 44,239,806	\$ 4,895,248	\$ 650,000	\$ 46,334	\$ 20,000	\$ 38,010	\$ 5,649,592	\$ 38,590,214	\$ 13,123,477	\$ 2,000,000	\$ 3,284,866	\$ 1,010,992	\$ 19,419,335	\$ 19,170,878
2029	\$ 37,332,811	\$ 5,045,786	\$ 650,000	\$ 46,937	\$ 20,000	\$ 38,504	\$ 5,801,226	\$ 31,531,585	\$ 12,337,040	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 17,621,906	\$ 13,909,678
2030	\$ 28,586,369	\$ 5,205,584	\$ 650,000	\$ 47,547	\$ 20,000	\$ 39,004	\$ 5,962,135	\$ 22,624,235	\$ 13,634,756	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 18,919,622	\$ 3,704,613
2031	\$ 26,728,458	\$ 5,375,566	\$ 650,000	\$ 48,165	\$ 20,000	\$ 39,511	\$ 6,133,242	\$ 20,595,216	\$ 15,245,427	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 20,530,293	\$ 64,923
2032	\$ 28,568,459	\$ 5,556,785	\$ 650,000	\$ 48,791	\$ 20,000	\$ 40,025	\$ 6,315,601	\$ 22,252,858	\$ 16,890,560	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 22,175,426	\$ 77,432
2033	\$ 30,515,163	\$ 5,750,232	\$ 650,000	\$ 49,425	\$ 20,000	\$ 40,545	\$ 6,510,203	\$ 24,004,961	\$ 18,489,288	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 23,774,154	\$ 230,807
2034	\$ 38,301,652	\$ 5,957,217	\$ 650,000	\$ 50,068	\$ 20,000	\$ 41,072	\$ 6,718,357	\$ 31,583,295	\$ 21,485,686	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 26,770,552	\$ 4,812,743
2035	\$ 35,921,230	\$ 6,179,114	\$ 650,000	\$ 50,719	\$ 20,000	\$ 41,606	\$ 6,941,439	\$ 28,979,791	\$ 23,465,949	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 28,750,815	\$ 228,976
2036	\$ 36,253,160	\$ 6,417,427	\$ 650,000	\$ 51,378	\$ 20,000	\$ 42,147	\$ 7,180,952	\$ 29,072,207	\$ 23,672,296	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 28,957,162	\$ 115,046
2037	\$ 40,248,507	\$ 6,673,917	\$ 650,000	\$ 52,046	\$ 20,000	\$ 42,695	\$ 7,438,658	\$ 32,809,850	\$ 23,881,510	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 29,166,376	\$ 3,643,474
2038	\$ 48,278,587	\$ -	\$ -	\$ 52,723	\$ 20,000	\$ 43,250	\$ 115,973	\$ 48,162,614	\$ 24,100,582	\$ 2,000,000	\$ -	\$ -	\$ 26,100,582	\$ 22,062,032
2039	\$ 54,820,645	\$ -	\$ -	\$ 53,408	\$ 20,000	\$ 43,812	\$ 117,220	\$ 54,703,425	\$ 24,326,309	\$ 2,000,000	\$ -	\$ -	\$ 26,326,309	\$ 28,377,116
2040	\$ 50,841,895	\$ -	\$ -	\$ 54,102	\$ 20,000	\$ 44,382	\$ 118,484	\$ 50,723,411	\$ 22,804,893	\$ 2,000,000	\$ -	\$ -	\$ 24,804,893	\$ 25,918,518
2041	\$ 53,880,826	\$ -	\$ -	\$ 54,806	\$ 20,000	\$ 44,959	\$ 119,765	\$ 53,761,062	\$ 23,075,592	\$ 2,000,000	\$ -	\$ -	\$ 25,075,592	\$ 28,685,470
2042	\$ 54,991,829	\$ -	\$ -	\$ 55,518	\$ 20,000	\$ 45,543	\$ 121,061	\$ 54,870,767	\$ 23,326,120	\$ 2,000,000	\$ -	\$ -	\$ 25,326,120	\$ 29,544,647
2043	\$ 53,999,333	\$ -	\$ -	\$ 56,240	\$ 20,000	\$ 46,135	\$ 122,375	\$ 53,876,957	\$ 23,580,550	\$ 2,000,000	\$ -	\$ -	\$ 25,580,550	\$ 28,296,407
2044	\$ 50,709,991	\$ -	\$ -	\$ 56,971	\$ 20,000	\$ 46,735	\$ 123,706	\$ 50,586,285	\$ 23,842,709	\$ 2,000,000	\$ -	\$ -	\$ 25,842,709	\$ 24,743,575
2045	\$ 45,375,627	\$ -	\$ -	\$ 57,712	\$ 20,000	\$ 47,343	\$ 125,054	\$ 45,250,573	\$ 24,086,832	\$ 2,000,000	\$ -	\$ -	\$ 26,086,832	\$ 19,163,740
2046	\$ 37,873,207	\$ -	\$ -	\$ 58,462	\$ 20,000	\$ 47,958	\$ 126,420	\$ 37,746,787	\$ 24,334,111	\$ 2,000,000	\$ -	\$ -	\$ 26,334,111	\$ 11,412,676
2047	\$ 28,115,375	\$ -	\$ -	\$ 59,222	\$ 20,000	\$ 48,582	\$ 127,803	\$ 27,987,572	\$ 24,617,296	\$ 2,000,000	\$ -	\$ -	\$ 26,617,296	\$ 1,370,276
2048	\$ 27,465,861	\$ -	\$ -	\$ 59,992	\$ 20,000	\$ 49,213	\$ 129,205	\$ 27,336,656	\$ 24,912,794	\$ 2,000,000	\$ -	\$ -	\$ 26,912,794	\$ 423,862
2049	\$ 27,908,892	\$ -	\$ -	\$ 60,772	\$ 20,000	\$ 49,853	\$ 130,625	\$ 27,778,267	\$ 25,217,268	\$ 2,000,000	\$ -	\$ -	\$ 27,217,268	\$ 560,999
2050	\$ 25,344,280	\$ -	\$ -	\$ 61,562	\$ 20,000	\$ 50,501	\$ 132,063	\$ 25,212,218	\$ 22,583,793	\$ 2,000,000	\$ -	\$ -	\$ 24,583,793	\$ 628,424
2051	\$ 22,200,869	\$ -	\$ -	\$ 62,362	\$ 20,000	\$ 51,158	\$ 133,520	\$ 22,067,350	\$ 19,959,850	\$ 2,000,000	\$ -	\$ -	\$ 21,959,850	\$ 107,500
2052	\$ 19,745,359	\$ -	\$ -	\$ 63,173	\$ 20,000	\$ 51,823	\$ 134,995	\$ 19,610,364	\$ 17,345,727	\$ 2,000,000	\$ -	\$ -	\$ 19,345,727	\$ 264,636
2053	\$ 17,155,970	\$ -	\$ -	\$ 63,994	\$ 20,000	\$ 52,496	\$ 136,490	\$ 17,019,480	\$ 14,741,724	\$ 2,000,000	\$ -	\$ -	\$ 16,741,724	\$ 277,755
2054	\$ 15,095,648	\$ -	\$ -	\$ 64,826	\$ 20,000	\$ 53,179	\$ 138,005	\$ 14,957,644	\$ 12,148,149	\$ 2,000,000	\$ -	\$ -	\$ 14,148,149	\$ 809,495
2055	\$ 21,989,906	\$ -	\$ -	\$ 65,669	\$ 20,000	\$ 53,870	\$ 139,539	\$ 21,850,368	\$ 12,512,518	\$ 2,000,000	\$ -	\$ -	\$ 14,512,518	\$ 7,337,850
2056	\$ 22,666,978	\$ -	\$ -	\$ 66,522	\$ 20,000	\$ 54,570	\$ 141,093	\$ 22,525,886	\$ 12,887,957	\$ 2,000,000	\$ -	\$ -	\$ 14,887,957	\$ 7,637,928
2057	\$ 16,433,456	\$ -	\$ -	\$ 67,387	\$ 20,000	\$ 55,280	\$ 142,667	\$ 16,290,789	\$ 13,274,804	\$ 2,000,000	\$ -	\$ -	\$ 15,274,804	\$ 1,015,985
2058	\$ 15,861,983	\$ -	\$ -	\$ 68,263	\$ 20,000	\$ 55,998	\$ 144,262	\$ 15,717,722	\$ 13,673,406	\$ 2,000,000	\$ -	\$ -	\$ 15,673,406	\$ 44,316
2059	\$ 17,158,339	\$ -	\$ -	\$ 69,150	\$ 20,000	\$ 56,726	\$ 145,877	\$ 17,012,462	\$ 14,084,118	\$ 2,000,000	\$ -	\$ -	\$ 16,084,118	\$ 928,343
2060	\$ 17,155,589	\$ -	\$ -	\$ 70,049	\$ 20,000	\$ 57,464	\$ 147,513	\$ 17,008,076	\$ 14,507,311	\$ 2,000,000	\$ -	\$ -	\$ 16,507,311	\$ 500,765
2061	\$ 17,864,719	\$ -	\$ -	\$ 70,960	\$ 20,000	\$ 58,211	\$ 149,171	\$ 17,715,548	\$ 14,943,363	\$ 2,000,000	\$ -	\$ -	\$ 16,943,363	\$ 772,185
2062	\$ 17,922,659	\$ -	\$ -	\$ 71,883	\$ 20,000	\$ 58,968	\$ 150,850	\$ 17,771,809	\$ 15,392,664	\$ 2,000,000	\$ -	\$ -	\$ 17,392,664	\$ 379,145
2063	\$ 18,427,584	\$ -	\$ -	\$ 72,817	\$ 20,000	\$ 59,734	\$ 152,551	\$ 18,275,033	\$ 15,855,619	\$ 2,000,000	\$ -	\$ -	\$ 17,855,619	\$ 419,414
2064	\$ 19,253,732	\$ -	\$ -	\$ 73,764	\$ 20,000	\$ 60,511	\$ 154,274	\$ 19,099,458	\$ 16,332,641	\$ 2,000,000	\$ -	\$ -	\$ 18,332,641	\$ 766,817
2065	\$ 20,233,327	\$ -	\$ -	\$ 74,723	\$ 20,000	\$ 61,297	\$ 156,020	\$ 20,077,307	\$ 16,824,159	\$ 2,000,000	\$ -	\$ -	\$ 18,824,159	\$ 1,253,148
2066	\$ 21,148,595	\$ -	\$ -	\$ 75,694	\$ 20,000	\$ 62,094	\$ 157,788	\$ 20,990,807	\$ 17,330,613	\$ 2,000,000	\$ -	\$ -	\$ 19,330,613	\$ 1,660,193
2067	\$ 21,723,237	\$ -	\$ -	\$ 76,678	\$ 20,000	\$ 62,902	\$ 159,580	\$ 21,563,658	\$ 17,852,458	\$ 2,000,000	\$ -	\$ -	\$ 19,852,458	\$ 1,711,200
2068	\$ 17,250,423	\$ -	\$ -	\$ 77,675	\$ 20,000	\$ 63,719	\$ 161,394	\$ 17,089,029	\$ 14,490,612	\$ 2,000,000	\$ -	\$ -	\$ 16,490,612	\$ 598,417
2069	\$ 13,549,299	\$ -	\$ -	\$ 78,685	\$ 20,000	\$ 64,548	\$ 163,232	\$ 13,386,067	\$ 11,027,565	\$ 2,000,000	\$ -	\$ -	\$ 13,027,565	\$ 358,502
2070	\$ 10,531,460	\$ -	\$ -	\$ 79,707	\$ 20,000	\$ 65,387	\$ 165,094	\$ 10,366,365	\$ 7,460,243	\$ 2,000,000	\$ -	\$ -	\$ 9,460,243	\$ 906,123
2071	\$ 8,064,006	\$ -	\$ -	\$ 80,744	\$ 20,000	\$ 66,237	\$ 166,980	\$ 7,897,026	\$ 3,785,476	\$ 2,000,000	\$ -	\$ -	\$ 5,785,476	\$ 2,111,550
2072	\$ 2,854,713	\$ -	\$ -	\$ 81,793	\$ 20,000	\$ 67,098	\$ 168,891	\$ 2,685,821		\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 685,821

Cash Flow Analysis Assumptions

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
CASH FLOW ANALYSIS ASSUMPTIONS
March 15, 2018

Fiscal year based on July 1 through June 30 of each year. Fiscal Year (FY) 2019 runs from July 1, 2018 thru June 30, 2019.

- 1. District Regular Operating Expenses:** For FY 2018, the amount shown is the budgeted expenditures expected for June 30, 2018 based on the adopted budget for the period ending June 30, 2018. The projected spend as of January 31, 2018 is approximately \$657,957 less than the budgeted amount. This column does not include Central Utah Project (CUP) costs shown in column 4 and 10, PRWUA costs shown in columns 25-36, depreciation, amortization, or interest expense. There is an assumed 1.89% annual increase for future years. This assumed increase is based on a 5-year average of District-controlled expenses.
- 2. CUP M&I System OM&R Cost (\$/acre foot):** The CUP Operation, Maintenance, and Replacement (OM&R) cost is escalated at the average of 8.04%.
- 3. CUP M&I System OM&R Reserve Cost (\$/acre foot):** The CUP Operation, Maintenance, and Replacement (OM&R) reserve cost is escalated at the average of 11.74%. Financial plans being implemented by Central Utah Water Conservancy District (CUWCD) indicate an increase in the total CUP M&I System Water O&M Cost (column 2 plus column 3) to escalate. The purpose of the escalating costs is to fund an asset management program to pay for aging (50 years or so old) infrastructure. The escalation is proposed as follows:
 - a. FY 2019: \$30.00 (50% increase)
 - b. FY 2020: \$40.00 (33% increase)
 - c. FY 2021: \$50.00 (25% increase)
 - d. Increases beyond FY 2021 will be evaluated in the years leading up to FY 2022 with a stated need of the total cost to reach \$300 per acre foot.
 - e. The escalated percentages in columns 2 and 3 for years beyond FY 2021 reflect historical increases prior to FY 2018 (10-year period) and do not factor in the increases shown for FY 2018 and beyond.
- 4. CUP M&I System Water O&M Cost:** O&M cost of CUP M&I system water.
- 5. Total CUP M&I System Water Costs (including capital expenses):** Total cost of CUP M&I system water.
- 6. CUP M&I System Water Volume:** 20,000 acre feet per year. The 20,000 acre feet is subject to the Operations, Maintenance, and Replacement (OM&R) Cost (column 2) and OM&R Reserve Cost (column 3) on a per acre foot basis in perpetuity. In FY 2049, the 40-year petition repayment period will have ended. The subsequent years will be only OM&R costs applied to the total volume of 20,000 acre feet.
- 7. CUP M&I System Water Unit Cost:** Column 5 divided by column 6 (\$/acre foot).
- 8. CUP ULS OM&R Cost:** The CUP Operation, Maintenance, and Replacement (OM&R) cost (see column 2).

- 9. CUP ULS OM&R Reserve Cost:** The CUP Operation, Maintenance, and Replacement (OM&R) reserve cost (see column 3).
- 10. CUP ULS Water O&M Cost:** O&M cost of CUP ULS water.
- 11. Total CUP ULS Water Costs (including capital expenses):** Total cost of CUP ULS water.
- 12. CUP ULS Water Petition Repayment Volume:** 5600 acre feet per year. In FY 2070, the repayment period will end. The subsequent years will be only OM&R costs applied to the total volume of 5600 acre feet.
- 13. CUP ULS Water Unit Cost:** Column 11 divided by column 12 (\$/acre foot).
- 14. Total Operating Expenses:** Sum of all operating expenses.
- 15. Ontario Drain Tunnel Volume:** Estimated volume based on due diligence work for Sandy City on water purchase was 3000 acre feet annually. The ten-year average is 3281 acre feet.
- 16. Ontario Drain Tunnel Cost:** Estimated cost per acre foot based on Sandy City's special water supply assessment to pay for the water right (column 17 divided by column 15).
- 17. Ontario Drain Tunnel Water Cost:** Total of Sandy City's special assessment to pay for the water right. This cost was funded with the 2005 bonds so the cost for this column is not included in the calculation of total expenses (the cost is part of the 2012A bonds which refunded the 2005 bonds; see column 19).
- 18. Synthetically Fixed \$58.8 M (2011A):** Principal, interest, and management costs for synthetically fixed rate debt (swap and direct purchase). The current direct purchase (variable rate debt) with Wells Fargo expires in FY 2021. The current terms of the direct purchase are at a rate of 67% of LIBOR plus 60 basis points. The variable rate debt is "swapped" into a synthetically fixed rate. The synthetically fixed rate is at 3.182%. With current management costs included, the current effective rate is 3.782%. The swap is based on a principal amount of \$58,800,000. The termination date of the swap and the final payout date of the variable rate debt are the same date (July 1, 2036).
- 19. 2012A:** Fixed rate debt; all-in interest rate of 2.978%. Original principal amount of \$107,645,000.
- 20. 2012B:** Fixed rate debt; all-in interest rate of 1.776%. Original principal amount of \$12,105,000.
- 21. 2015A:** Fixed rate debt; all-in interest rate of 2.71%. Original principal amount of \$5,975,000.
- 22. 2016A:** Fixed rate debt; all-in interest rate of 2.25%. Original principal amount of \$59,200,000.
- 23. Total Debt Payments:** Sum of debt service columns.

- 24. Debt Coverage Ratio:** This is the calculated debt coverage ratio. The minimum required by contract is 1.15 with a policy goal of 1.25.
- 25. Deer Creek Safety of Dams Repayment:** Actual MWDSLs share of payment to United States Bureau of Reclamation for Deer Creek Safety of Dams repayment. This repayment is being made to the Bureau of Reclamation at 0.00% interest.
- 26. Provo River Project (Deer Creek Division) Construction Repayment:** Actual MWDSLs share of payment to United States Bureau of Reclamation for Provo River Project (Deer Creek Division) repayment. This repayment is being made to the Bureau of Reclamation at 0.00% interest.
- 27. Provo River Aqueduct (BOWR or Board of Water Resources) Repayment:** Actual MWDSLs share of payment to the BOWR for the enclosure costs of the Provo River Aqueduct. This repayment is being made to BOWR at 4.00% interest.
- 28. Provo River Aqueduct (BAF or Bank of American Fork) Repayment:** Actual MWDSLs share of payment to the BAF for the enclosure costs of the Provo River Aqueduct. The FY 2019 payment will be MWDSLs' final payment.
- 29. PRWUA Assessment (O&M and capital):** FY 2019 is forecasted at \$26.01 per share for 61,700 shares. Years FY 2020 – FY 2025 are forecasted based on PRWUA projections. Based on a 23-year average, a 4.98% increase is assumed for future years.
- 30. Provo River Aqueduct O&M by PRWUA:** MWDSLs is assessed by PRWUA for services to operate and maintain the Provo River Aqueduct. Operations costs are assessed based on the volume of water used each year. Maintenance costs are assessed based on the pro-rata share of capacity (187 cfs out of 626 cfs). Based on a 10-year average, a 5.23% increase is assumed for future years.
- 31. Deer Creek Intake Station O&M by PRWUA:** MWDSLs reimburses PRWUA for services to operate the Salt Lake Aqueduct Intake at Deer Creek Dam. MWDSLs pays roughly one-third of the costs to operate this station. PRWUA (operation of Deer Creek Dam) and the Bureau of Reclamation (operation of the power plant) share in the remaining two-thirds of the costs. Based on an 8-year average, a 1.56% increase is assumed for future years.
- 32. Total PRWUA Costs:** The sum of columns 25 through 31. These costs are budgeted together in order to be consistent with recommendations made by financial auditors. Due to the nature of the ownership interest in PRWUA and in accordance with governmental accounting standards, the District's investment in PRWUA is accounted for using the "equity method." Budgeting all of the costs in one account code provides for a more straightforward approach to the financial audit.
- 33. Total MWDSLs PRWUA Shares:** 61,700 shares.
- 34. PRWUA Water Supply Allocation:** The assumed percentage of PRWUA water available to MWDSLs. Since Jordanelle Reservoir was constructed, the allocation has ranged from 43.5% to 100%.

- 35. PRWUA Water Supply Volume Available to MWDSLs:** 61,700 acre feet at full allocation.
- 36. PRWUA Water Supply Unit Cost:** Column 32 divided by column 35 (\$/acre foot).
- 37. CUP M&I System Water Petition Repayment Volume:** 20,000 acre feet. In FY 2045, the first allotment of the 40-year repayment periods begins to be paid off and the amounts for allotment notices will step down by 4,000 acre feet each year thereafter. After FY 2049, the costs are OM&R costs only.
- 38. CUP M&I System Petition Repayment Unit Cost:** The annual petition repayment cost of CUP M&I system water is \$148.56 per acre foot.
- 39. CUP M&I System Petition Repayment Total Cost:** The annual petition repayment cost of CUP M&I system water.
- 40. CUP Utah Lake System (ULS) Water Petition Repayment Volume:** MWDSLs's petition is for 5600 acre feet. This is a reduction of 3000 acre feet from the original petition amount of 8600 acre feet. The reduction is a result of the agreements related to the Provo River Aqueduct. Deliveries and repayment obligations are assumed to begin as early as FY 2020. The repayment will continue until FY 2069. The following years will be OM&R costs only.
- 41. CUP ULS Petition Repayment Unit Cost:** Based on a 45-year amortization and updated Engineering News Record Construction Cost Index (ENR CCI) calculations, the estimated annual petition repayment is \$509.00 per acre foot.
- 42. CUP ULS Petition Repayment Total Cost:** The annual petition repayment cost of CUP ULS water.
- 43. Non-capacity Capital Expenditures:** Capital expenditures estimated based on current asset management projections.
- 44. Capital Expenditures for Jordan Aqueduct System:** Numbers are based on 10-year projections received from Jordan Valley Water Conservancy District. For years starting with FY 2029, costs are based on the average of the prior years. Thereafter, the amount is escalated at a 3.16% increase each year based on the forecasted average increase for the 10-year projection. The 18-year historical average is 15.19% annually.
- 45. New Capacity Capital Expenditures:** The expenses shown reflect the expenses related to aquifer storage and recovery, the 150th South Pump Station, and/or the (potential) repayment to Central Utah Water Conservancy District for activity related to the Metro Water Project. The timing of these projects is uncertain but the current estimated timing is shown. Any expenses will be offset by revenues from assessments to the member cities (see column 71).
- 46. Total Capital Expenditures:** Sum of capital expenditures columns.
- 47. Total Expenses (i.e., Revenue Requirements):** Sum of columns 14, 23, 32, and 46.
- 48. Salt Lake City Taxes:** Revenue projections are shown to remain constant. These numbers include prior year tax collections and fees in lieu of taxes. The tax year 2017 certified rate

for Salt Lake City is 0.000325. The maximum certified rate that the District is allowed to establish is 0.0005.

49. Sandy City Taxes: Revenue projections are shown to remain constant. These numbers include prior year tax collections and fees in lieu of taxes. The tax year 2017 certified rate for Sandy City is 0.000347. The maximum certified rate that the District is allowed to establish is 0.0005.

50. Total MWDSL Taxes: Sum of tax columns.

51. Total Water Sales to Member Cities (fixed rate): A fixed charge for water use is levied to the member cities on a monthly basis. This fixed charge does not vary with the amount of volume delivered to either of the member cities.

52. Proposed Water Rate Increase: Percent increase applied to prior fiscal year fixed charge and other rates (treatment charge, conveyance charge, etc.).

53. Water Sales to Salt Lake City (fixed rate): Salt Lake City water sales and conveyance fees. This is based on the pro-rata split of column 51 based on historic water sales between Salt Lake City and Sandy City. Salt Lake City's pro-rata share is currently 73%.

54. Estimated Water Sales to Salt Lake City (AF): The September 2006 Supply and Demand Study indicated that Salt Lake City would be purchasing 65,000 acre feet annually by FY 2015. Based on successful conservation efforts, this level of purchases has been delayed until FY 2050 with the transition between current demands and projected demands in FY 2050 being evenly prorated over the years between now and FY 2050.

55. Water Sales to Sandy City (fixed rate): Sandy City water sales and conveyance fees. This is based on the pro-rata split of column 52 based on historic water sales between Salt Lake City and Sandy City. Sandy City's pro-rata share is currently 27%.

56. Estimated Water Sales to Sandy City (AF): The September 2006 Supply and Demand Study indicated that Sandy City would be purchasing 12,200 acre feet annually by FY 2015. This level of purchases has been delayed until FY 2050 with the transition between current demands and projected demands in FY 2050 being evenly prorated over the years between now and FY 2050.

57. Total Water Sales Volume to Member Cities: Total volume of water sales to member cities.

58. Treated Water Rate: Water rates are as shown in the table. The rates escalate as shown in column 52.

59. Conveyance Fee: Rate (\$/AF) to convey water in District pipeline facilities. Rates for FY 2019 escalate as shown in column 52.

60. Non-member Entity Water Volume (AF): The average of the prior three fiscal years is 1116 acre feet of treatment and conveyance charges to Jordan Valley Water Conservancy District. This revenue is obtained on the basis of surplus capacity being available. Sales are shown for the next fiscal year based on currently available system capacities. Due to the

uncertainty of future utilization of system capacity, sales in future years are not anticipated and will be evaluated on a year-to-year basis. Revenues received for treating and conveying water for others is utilized to offset related operational and maintenance costs. Untreated water sales to other entities are made on the basis of surplus supplies and capacity being available. The rate for untreated water for FY 2019 escalates as shown in column 52. The raw water rate charge is the same for both member and non-member entities. Due to the uncertainty of future water supplies and available capacity, sales in future years are not anticipated and will be evaluated on a year-to-year basis. Any revenues from sales of this nature are placed in a reserve to fund future projects related to aquifer, storage, and recovery (ASR).

- 61. Water Conveyance for Others (AF):** Non-District raw water that is conveyed through District pipelines but not treated by the District (e.g., Utah Valley Water Treatment Plant (CUWCD), Highland Conservation District (for Alpine Country Club), Southeast Regional Water Treatment Plant (JWCD)). The average of the prior three fiscal years is 8194 acre feet. These sales are made on the basis of surplus capacity being available. Sales are shown for the next fiscal year based on currently available system capacities. Due to the uncertainty of future utilization of system capacity, sales in future years are not anticipated and will be evaluated on a year-to-year basis.
- 62. Non-member Entity Total Water Sales and Conveyance Revenue:** Total non-member entity revenue amount for water sales and conveyance charges.
- 63. Jordanelle Special Services District Use of Ontario Drain Tunnel Water:** Estimated volume of water to be used by JSSD as per agreement (no water use by JSSD is expected until FY 2018). The nine-year average yield of ODT is 3332 AF.
- 64. Jordanelle Special Services District Water Rate:** Revenue is anticipated from JSSD as shown on the spreadsheet and is based on agreements (as amended) with JSSD. Any revenues received by the District will be passed on to Sandy City in the form of a credit to their ODT assessment.
- 65. Revenue from ODT Water:** Anticipated revenue from JSSD.
- 66. Total Water Sales/Conveyance Revenue:** Sum of water sales revenues.
- 67. Revenue increase (%):** The calculated increase of total revenues. The calculation is based on dollar amounts only and does not reflect the actual volume of water forecasted for use.
- 68. Salt Lake City Metro Water Project Capital Assessment:** Assessment to pay for Salt Lake City's portion of the Metro Water Project. Based on Salt Lake City's share of capacity in the Point of the Mountain Water Treatment Plant, Point of the Mountain Aqueduct, and improvements to Little Cottonwood Water Treatment Plant. Based on numbers presented to member cities and MWDSL board in February 2001.
- 69. Sandy City Metro Water Project Capital Assessment:** Assessment to pay for Sandy City's portion of the Metro Water Project. Based on Sandy City's share of capacity in the Point of the Mountain Water Treatment Plant, Point of the Mountain Aqueduct, and improvements to Little Cottonwood Water Treatment Plant. Based on numbers presented to member cities and MWDSL board in February 2001.

- 70. Sandy City Ontario Drain Tunnel Water Assessment:** Assessment to Sandy City to pay for Ontario Drain Tunnel water right purchase. The assessment is reduced by the annual revenue received from the ODT water sales to JSSD. The net amount is shown in this column. The assessment ends in 2031. The assessment turns to a negative amount as the JSSD revenues exceed the Ontario Drain Tunnel assessment. This means Sandy City will be credited on its water billings in the amounts shown as negative numbers in this column.
- 71. New Capacity Assessments:** Assessments for new capacity projects.
- 72. Utah Lake System Water Assessments to Member Cities:** Assumed assessments to Salt Lake City and Sandy City to pay for expected Utah Lake System water beginning in FY 2025. See column 42.
- 73. Total Assessments:** Sum of assessments columns.
- 74. Little Dell Revenues:** Revenues received from Salt Lake County for operation and maintenance expenses performed by Salt Lake City Public Utilities at Little Dell Dam. Pursuant to a 1986 agreement, Salt Lake County is responsible for 30% of the O&M costs of Little Dell.
- 75. Point of the Mountain Water Treatment Plant (POMWTP) Storage Revenues:** Revenues received from Jordan Valley Water Conservancy District for reimbursement of operation and maintenance of the POMWTP finished water storage reservoir. This is based on the Facilities Cooperation Agreement dated October 4, 2007.
- 76. Terminal Reservoir Cell Tower Revenues:** Revenue from lease of property for a cell tower located at Terminal Reservoir. This is based on an agreement with Crown Castle (originally T-Mobile) first established in May 2007. The agreement has been extended with an expiration date of March 2030.
- 77. Little Cottonwood Water Treatment Plant (LCWTP) Cell Tower Revenues:** Revenue from lease of property for a cell tower located at LCWTP. This is based on an agreement with American Tower (originally Verizon Wireless) first established on January 31, 2013. The agreement expires in 2033. According to the agreement, the annual rate increases every five years.
- 78. Other Miscellaneous Revenues:** Licensing program fees (if any), vehicle sales (if any), grants (if any), and other miscellaneous revenues.
- 79. Total Miscellaneous Revenues:** Sum of miscellaneous revenues.
- 80. Operations and Maintenance Reserve Account Interest Income:** Calculated at 1.3% per annum. The 12-month average for the Public Treasurers Investment Pool is 1.3737%.
- 81. Total Revenues:** Sum of revenue columns.
- 82. Net Cash Flow:** Total revenues, column 81, minus total expenses, column 47.

- 83. Total Available Reserves:** FY 2018 amount is determined by current balances in the bank and the bond fund accounts as of January 31, 2018, projected revenues expected to be received by year end, less outstanding checks, retention (if any), projected expenses to occur by year end, and remaining capital expenditures. Other years are a summation of the prior year plus column 82 for the current year.
- 84. Required Operations and Maintenance Reserve Account Balance:** The Master Bond Resolution requires (see section 5.05(f)) an O&M reserve fund balance of 25% of the O&M costs of the current annual budget (25% of column 14). This reserve is not shown in years after the bonds are paid.
- 85. Required Renewal and Replacement Reserve Fund:** The Master Bond Resolution requires (see definition in section 1.01) a capital projects reserve of \$650,000. This reserve is not shown in years after the bonds are paid.
- 86. Jordan Aqueduct Reserve Account:** Established via agreement (interest bearing).
- 87. JVWTP Operations and Maintenance Reserve:** Established via agreement (not interest bearing).
- 88. 150th South Pipeline Agreement:** Established via agreement (interest bearing).
- 89. Total Restricted Reserves:** Sum of columns 84-88.
- 90. Total Reserves Available to be Assigned:** Total available reserves less total restricted reserves.
- 91. Capital Projects Reserve:** Goal of 15-25% (formula uses 20%) of the sum of the next five years in capital expenditures. Only non-capacity capital improvements and Jordan Aqueduct System capital improvements are included in this column. CUP water supply acquisition costs, Provo River Project costs, and capacity capital improvement costs are not included in this calculation.
- 92. Self Insurance/Contingency Reserve:** Goal of \$2,000,000 as established by District policy.
- 93. Interest Rate Stabilization Reserve:** Established by policy and in order to mitigate interest rate risk, this reserve has been accumulated via lower than forecasted variable rate debt. This reserve will remain static due the refunding of bonds that closed on March 1, 2012. This reserve is not shown in years after the bonds are paid.
- 94. Aquifer Storage and Recovery (ASR) Reserve:** Established by policy in order to set aside funds for implementation of an ASR project. Any revenues from sales of surplus water combined with costs savings resulting from operations at the Jordan Narrows turbine will be directed to this reserve fund.
- 95. Total Assigned Reserves:** Sum of columns 91-94.
- 96. Remaining Unassigned Reserves:** Remaining reserves (if any).

Budget Schedule

Fiscal Year 2019 Budget Schedule

Last Updated: April 9, 2018

- **January 9** – Deadline for submitting capital improvement projects to Engineering and Maintenance Manager.
- **January 11** – Discuss budget process and schedule with managers.
- **January 22** – Provide electronic budget forms to General Manager/Managers
- **February 1**– Administrative, Information Services and Lab Departments budget presentation at staff meeting.
- **February 6** – Engineering Committee Meeting (10:00 AM; preliminary discussion related to capital budget).
- **February 8** – Engineering & Maintenance and Operations Departments budget presentation at staff meeting.
- **February 15** – Deadline for draft budget numbers to be submitted by managers to GM
- **March 1**– Budget discussion with managers at staff meeting.
- **March 6** – Management Advisory Committee Meeting (8:30 AM; preliminary discussion related to staffing and compensation schedule).
- **March 26** – Board retreat to discuss budget.
- **April 3** – Finance Committee Meeting (8:30 AM) - (P&P 3-629(1) “On or before the first regularly scheduled meeting of the Board in May, the GM shall consult with the Finance Committee and prepare a tentative operating and capital budget for the ensuing fiscal year.”
- **April 16** – Board Meeting-consider adoption of the tentative budget.
- **May 1** – Engineering Committee Meeting (10:00 AM; discussion related to capital budget).
- **May 7** – First publication of notice of the public hearing (black border notice “at least 7 days prior to the hearing” (see P&P 3-629(3) and/or 3-643). A fee increase is anticipated but an increase in certified tax rate is not anticipated.
- **May 14** - Deadline for publishing second notice of budget hearing (if applicable; an increase in the certified tax rate is not anticipated); see Utah Code Ann. 59-2-918 and 919).
- **May XX**– Presentation to the Salt Lake City Council (time TBD; Salt Lake City Hall).
- **May XX**- Presentation to the Sandy City Council (time TBD; Sandy City Hall).
- **May 21** – Board Meeting – Tentative budget public hearing (6:00 P.M.).
- **June 5** – Management Advisory and Finance Committee Meetings.
- **June 18** – Board Meeting - Budget adoption (subject to certified tax rate public hearing if tax rate increase is proposed; currently not anticipated).
- **June 22** – Utah Code 59-2-924 5a “On or before June 22, each taxing entity shall annually adopt a tentative budget.” Deadline for submission of the proposed tax rate (Utah Code 59-2-912)
- **July 18** – Deadline for submitting copy of the final budget to the State Auditor (required within 30 days of budget adoption- P&P 3-629(7))
- **August 13** – Public hearing for tax increase; an increase in the certified tax rate is not anticipated—hearing likely will not be held. (If held incorporate proper notices and reporting deadlines).

Staffing and Compensation Schedule

Staffing and Compensation Schedule

How the District's budget differs from the Member Cities

- The District checks the various sources to ensure the District is in line with the market, e.g., Consumer Price Index, World at Work, Tech Net, and other related sources.
- When setting the increases, a comparison is made with the two member cities as well as with other local water districts.
- SLC being self-insured can add medical benefits the District cannot competitively match due to the difference in the number of employees; therefore, the District focuses on other things that are fair.
- The District believes in giving merit increases and tying COLA to merit; a 1% merit increase, represents about \$46,000 (based on FY2019 budget for salaries and wages, less payroll taxes).
- Ultimately, we are governed as separate entities and each Board or City Council must do what they think is in the best interest of their employees.

I. Staffing Levels

The chart below reflects the historical and projected staffing levels. The District intends to maintain current staffing levels.

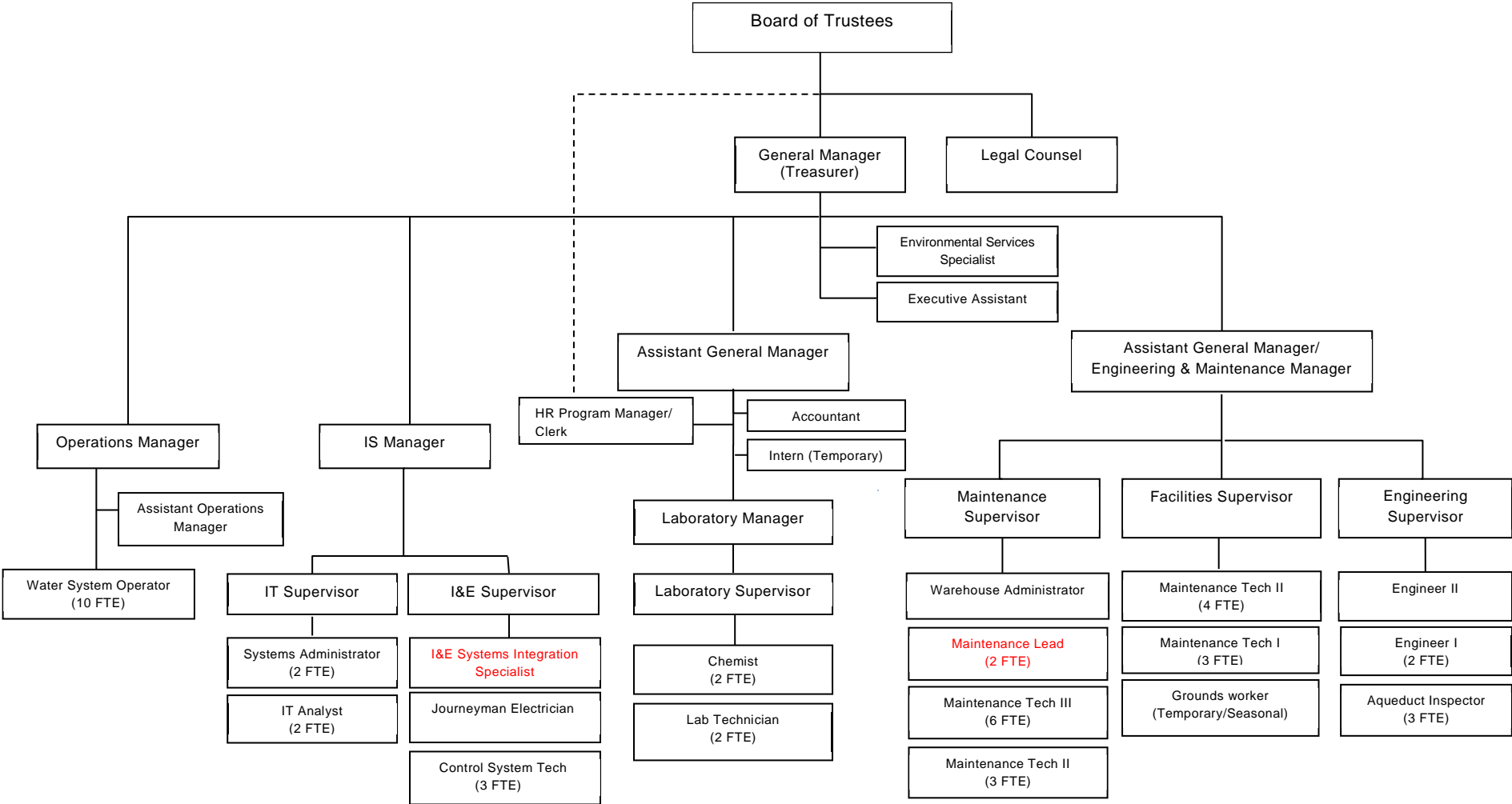
Department	Cost Center	FY2018	FY2019	FY2020
Administrative	10	4	6	6
Information Services (IS)	24	20	12	12
Lab	50	(Included with IS)	6	6
Operations	22	12	12	13
Engineering & Maintenance	23 & 25	29	29	29
Temporary Intern	10	1	1	0
Seasonal Groundswoker	23	1	1	1
Totals		67	67	67

In FY19 the Administrative Department will increase by 2 FTEs and the Information Services Department will decrease by 2 FTEs due to the reassignment of the Assistant General Manager and Environmental Services Specialist to the Administrative Department.

The projected staffing levels in FY20 include an increase to 13 FTEs in the Operations Department. The extra Water Systems Operator will be needed to address succession planning purposes for one anticipated Operator retirement in 2021. This will be partially offset by not staffing the Intern position.

The following organizational chart (Attachment A) represents the proposed staffing levels.

Metropolitan Water District of Salt Lake & Sandy
Organizational Chart Fiscal Year 2019



Full Time Positions	65
Temporary/Seasonal	2
Total FTE	67

Staffing and Compensation Schedule

II. Benefits

The District provides employees with the following benefits package:

- Medical and Dental Insurance
- Health Savings Accounts
- Flex Spending Accounts
- Employee Wellness Program
- Life Insurance, Accidental Death and Dismemberment, Long Term Disability, and Long Term Care
- EAP (Employee Assistance Program)
- Retirement Program (Utah Retirement Systems or URS)
- 401(k), 457, and Roth Retirement Savings Plans and Matching Program (via URS)
- Paid Sick, Vacation, and Personal Leave
- Educational Assistance

The District is a member of the Utah Retirement Systems. The District's contribution rate is set by the URS. Since July of 2014 the Tier I contribution rate is 18.47% and the Tier II contribution rate is 16.69%.

The following table (Attachment B) reflects calendar year 2018 current District benefit facts with projections for FY19.

Attachment B

District Benefit Facts

Medical Insurance Premiums	95% of Premium	Enrolled	Total	Monthly Medical Total
Single	\$ 520.81	12	\$ 6,249.71	
Employee plus spouse	\$ 1,093.72	17	\$ 18,593.17	
Employee plus child(ren)	\$ 989.54	5	\$ 4,947.70	
Family	\$ 1,562.45	28	\$ 43,748.49	
Waiving Coverage	\$ -	1	\$ -	
Open Positions	\$ 1,562.45	2	\$ 3,124.89	
		65		\$ 76,663.96
Health Savings Account	Contribution	Enrolled	Total	Monthly H.S.A. Total
Individual	\$ 158.58	12	\$ 1,902.96	
Family (includes double)	\$ 353.25	50	\$ 17,662.50	
Not participating	\$ -	1	\$ -	
Open Positions	\$ 353.25	2	\$ 706.50	
Health Savings Admin Fee	\$ 110.00	1	\$ 110.00	
		65		\$ 20,381.96
Dental Insurance Premiums	Premium	Enrolled	Total	Monthly Dental Total
Single	\$ 26.52	12	\$ 318.24	
Employee plus spouse	\$ 52.59	18	\$ 946.62	
Employee plus child(ren)	\$ 67.75	4	\$ 271.00	
Family	\$ 102.76	28	\$ 2,877.28	
Waiving Coverage	\$ -	1	\$ -	
Open Positions	\$ 102.76	2	\$ 205.52	
		65		\$ 4,618.66
Life Insurance, AD&D, LTC, LTD	Premium	Enrolled	Total	Monthly Other Insurance Total
Basic Life (\$50,000)	\$ 9.90	65	\$ 643.50	
Basic Life (\$10,000 spouse;\$2,500 dependents)	\$ 2.39	52	\$ 124.28	
Basic AD&D (\$250,000)	\$ 8.75	65	\$ 568.75	
Long-term care (average amount)	\$ 7.18	65	\$ 466.70	
Long-term disability (average amount)	\$ 20.25	65	\$ 1,316.25	
				\$ 3,119.48
Totals				
Calendar Year 2018 Monthly Totals Medical/HSA/Dental/Other				\$ 104,784.06
Calendar Year 2018 Total Medical/HSA/Dental/Other/Participatory Wellness Program				\$ 1,289,408.66
Calendar Year 2019 estimated increases				
Medical: estimated FY 2019 total increase based on 20% increase on 1/1/19 and 95/5 premium share				\$ 91,996.75
Health Savings: estimated FY 2019 total based on 0% increase on 1/1/19				\$ -
Dental: estimated FY 2019 total increase based on 5% increase on 1/1/19				\$ 1,385.60
Other: estimated FY 2019 total increase based on 0% increase on 1/1/19				\$ -
FY2019 Estimated Budget				\$ 1,382,791
Percent increase over prior fiscal year				7.24%

Participatory Wellness Program

Contribution amounts to the Health Savings Account are based on the assumption that the employee will participate in the Participatory Wellness Program (PWP). The PWP provides a reward for participation and is available without regard to an employee's health status. Employees who participate in the PWP would receive \$500 in their Health Savings Account in 2019. The PWP requirements are as follows:

Employee completes two of the following: flu shot, preventative wellness visit with personal physician, biometric screening, or health risk assessment before November 22, 2018.

*Biometric screenings can be obtained through personal physician, by participation during an on-site screening, or at a designated lab.

*The Health Risk Assessment is completed through the medical carrier's website.

*Flu shots can be completed at an on-site event or at any participating pharmacy.

Staffing and Compensation Schedule

III. Job Grades & Salary Ranges

The attached job grades and salary ranges sheet (Attachment C) incorporates a traditional pay structure with current District positions. The District is proposing a 4.0% merit-based salary increase. Within this merit increase, the District will implement a 2.0% salary structure adjustment based on the information compiled from the 41st Annual Salary Budget Survey 2017-2018 by World at Work. The salary adjustment shifts the midpoint of the salary range and would maintain the District's position to provide competitive compensation.

The job grades and salary ranges sheet also reflects eliminating the current grade 1. The proposed grade 1 will start at a minimum wage of \$11.75/hour. The Groundsworker, Intern and Maintenance Tech I will shift up one pay grade.

The District is proposing to convert a Lab Technician position to a Chemist position. The District is also proposing to convert one Journeyman Electrician position to an Instrumentation and Electrical Systems Integration Specialist. These conversions will not increase the number of FTEs.

The District is proposing a new position, Maintenance Lead, in the Engineering & Maintenance Department. This represents 2 FTEs which would be filled internally and maintain the current FTE count.

IV. Skill-Based Pay

The District continues to support a skill-based pay program to allow for workforce flexibility and cross training. The skill-based pay program encourages employees to learn additional skills in order to increase their productivity and efficiency. Pay increases are given based upon increased knowledge, skill, and ability. As part of the FY19 budget the District is including \$7,000.00 in salary and wages to support the program.

**JOB GRADES AND SALARY RANGES
FISCAL YEAR 2019
TRADITIONAL PAY STRUCTURE**

<u>Grade</u>	<u>Position Description</u>	<u>Range Spread</u>	<u>Grade Increment</u>	<u>E/NE</u>	<u>Hourly Salary Range</u>		
					<u>Annual Salary Range</u>		
					<u>Minimum</u>	<u>Midpoint</u>	<u>Maximum</u>
					10.22	11.24	12.26
	Groundsworker	20%	15%	NE	21,258	23,380	25,501
					11.75	12.93	14.10
1	Groundsworker	20%	15%	NE	24,440	26,894	29,328
	Intern				12.93	14.87	16.81
2	Intern	30%	15%	NE	26,894	30,930	34,965
	Maintenance Tech I				14.87	17.10	19.33
3	Maintenance Tech I	30%	15%	NE	30,930	35,568	40,206
	Reserved				17.10	19.67	22.23
4	Maintenance Tech II	30%	15%	NE	35,568	40,914	46,238
					18.85	22.62	26.39
5	Aqueduct Inspector	40%	15%	NE	39,208	47,050	54,891
	Executive Assistant				39,208	47,050	54,891
	Lab Technician				39,208	47,050	54,891
	Maintenance Tech III				39,208	47,050	54,891
					21.68	26.01	30.35
6	Control System Tech	40%	15%	NE	45,094	54,101	63,128
	Warehouse Administrator				45,094	54,101	63,128
	Water System Operator				45,094	54,101	63,128
	Maintenance Lead				45,094	54,101	63,128
					24.93	29.91	34.90
7	Chemist	40%	15%	NE	51,854	62,213	72,592
	Information Technology Analyst				51,854	62,213	72,592
	Journeyman Electrician				51,854	62,213	72,592
					28.67	34.40	40.14
8	Accountant	40%	15%	E	59,634	71,552	83,491
	Assistant Operations Manager				59,634	71,552	83,491
	Engineer I				59,634	71,552	83,491
	Facilities Supervisor				59,634	71,552	83,491
	Instrumentation & Electrical Supervisor				59,634	71,552	83,491
	Laboratory Supervisor				59,634	71,552	83,491
	Maintenance Supervisor				59,634	71,552	83,491
	Instrumentation & Electrical Systems Integration Specialist				59,634	71,552	83,491
					31.65	39.56	47.48
9	Engineer II	50%	15%	E	65,832	82,285	98,758
	Environmental Services Specialist				65,832	82,285	98,758
	Systems Administrator				65,832	82,285	98,758
					36.39	45.49	54.59
10	Engineering Supervisor	50%	15%	E	75,691	94,619	113,547
	HR Program Manager/Clerk				75,691	94,619	113,547
	Information Technology Supervisor				75,691	94,619	113,547
					41.85	52.31	62.78
11	Information Services Manager	50%	15%	E	87,048	108,805	130,582
	Laboratory Manager				87,048	108,805	130,582
	Operations Manager				87,048	108,805	130,582
					48.13	60.16	72.20
12	Assistant General Manager	50%	15%	E	100,110	125,133	150,176
	Assistant General Manager/Engineering & Maintenance Manager				100,110	125,133	150,176
					55.34	69.18	83.01
13	General Manager	50%	15%	E	115,107	143,894	172,661

E = Exempt (salaried) / NE = Non-exempt (hourly)

Staffing and Compensation Schedule

V. Wage and Salary Statistics

The FY 2019 Budget includes a proposed 4% merit-based increase.

Fiscal Year 2019 Salary Review Comparison

Fiscal Year 2019 Salary Review Comparison				The FY19 budgeted increase details:		
Entity	FY17	FY18	FY19	Merit	COLA	Comment
Metropolitan Water District of Salt Lake & Sandy	3.00%	4.00%	4.00%	4.00%	N/A	Proposed for FY19
Salt Lake City Public Utilities	1.25%	2.00%	2.50%	N/A	2.50%	Projecting 2 to 3%.
Sandy City	4.00%	3.00%	3.00%	3.00%	0.00%	Proposed increase to salary and wages budget
Provo River Water Users Association	3.50%	3.00%	4.00%	4.00%	0.00%	Approved Nov 2017
Jordan Valley Water Conservancy District	3.00%	3.91%	4.15%	4.15%	N/A	Proposed for FY19
Weber Basin Water Conservancy District	4.00%	3.50%	4.30%	1.80%	2.50%	Approved for Calendar Year 2018
Central Utah Water Conservancy District	3.00%	3.50%	3.25%	3.25%	N/A	Proposing similar pay increase to last year
Average	3.11%	3.27%	3.60%	3.37%	1.25%	

Reference Information

Consumer Price Index

Source (Jan. 1 - Dec. 31, 2017)	
U.S. City Average (U.S. Bureau of Labor Statistics)	2.1%
West Region (AK, AZ, CA, CO HI, ID, MT, NV, NM, OR, UT, WA, WY)	3.1%

The Consumer Price Index measures change in prices paid by urban consumer for a representative basket of goods and services.

Employment Cost Index for wages and salaries

U. S. Bureau of Labor Statistics (Jan. 1 - Dec. 31, 2017)	
State and local government	2.1%
Mountain-Plains	3.0%

The Employment Cost Index is a measure in the change in the cost of labor.

2018 Projected Salary Budget Increases

World at Work 44th Annual Salary Budget Survey	
All Employee Categories	3.0%

The projected Salary Budget Increases are a combination of General, COLA, Merit, and similar increases.

Salary Structure Adjustments

World at Work 44th Annual Salary Budget Survey	
All Employee Categories	2.0%

Staffing and Compensation Schedule

VI. Conclusion

Based on the proposed position changes, 4% merit-based increase to wages, retirement increases, payroll tax increases, and projected increases to health and dental benefits, the total District budget increases by \$274,175. The various components are broken down as follows:

\$179,541	Salary & Wages
\$1,461	Overtime Premium
\$51,188	Medical Insurance Premiums (Health, Dental, Health Savings Account)
\$1,278	Other Insurance (Life, AD&D, LTD, Long Term Care)
\$8,284	Payroll Taxes
\$32,423	Utah Retirement

Based on the above, the net increase in personnel costs to the District is estimated to be 1% of the overall O&M Budget (excluding interest costs).

Resolution for Budget Approval

This Page Left Intentionally Blank

Budget Acronyms

Budget Acronyms

Last update: March 27, 2018

AD&D: Accidental Death and Dismemberment	LIMS: Laboratory information management system
AED: Automated electronic defibrillator	LOX: Liquid oxygen
AF: Acre Feet	LTC: Long term care
ASR: Aquifer Storage and Recovery	LTD: Long term disability
APWA: American Public Works Association	M&I: municipal and industrial
AWWA: American Water Works Association	MIB: methylisoborneol
BAF: Bank of American Fork	MG: million gallons
BOWR: Board of Water Resources	MWDSLS: Metropolitan Water District of Salt Lake & Sandy
CAD: Computer aided drafting	ODT: Ontario Drain Tunnel
CDL: Commercial Drivers License	O&M: Operations and Maintenance
COLA: Cost of Living Adjustment	OM&R: Operation, Maintenance & Replacement
CIO: Chief Information Officer	PC: Personal Computer
CUP: Central Utah Project	PC/S: Process Control/SCADA
CUWCD: Central Utah Water Conservancy District	pH: Potential of hydrogen
DC: Direct Current	PLC: Programmable Logic Controller
DIDS: Direct Inbound Dialing	POMWTP: Point of the Mountain Water Treatment Plant
DPD: N-diethyl-p-phenylenediamine	PPE: Personal Protection Equipment
E&M: Engineering & Maintenance	PRI: Primary Rate Interface
EAM: Enterprise Asset Management	PRWUA: Provo River Water Users Association
FCC: Federal Communications Commission	PVC: poly vinyl chloride
FAS: Fixed Asset Software	PWP: Participatory wellness program
FIS: Financial Information System	ROW: Right-of-way
FTE: Full-time Equivalent	RTU: Remote Terminal Unit
FY: Fiscal Year	SAN: Storage Area Network
GC: Gas chromatograph	SCADA: Supervisory Control and Data Acquisition
GIS: Geographic Information System	SCS: Security Control System
GM: General Manager	SLCPU: Salt Lake City Public Utilities
GRAMA: Government Records and Access Management	SLA: Salt Lake Aqueduct
HSA: Health Savings Account	SLA/FW – Salt Lake Aqueduct finished water
HMI: Human Machine Interface	TBD: to be determined
HVAC: Heating, ventilation, and air conditioning	TOC: Total organic carbon
I&E: Instrumentation & Electrical	T-Chlor: Sodium Hypochlorite
IS: Information Services	TR: Jordan Aqueduct terminal reservoir
ISAC: Information Sharing and Analysis Center	UCAN: Utah Communication Agency Networks
ISP: Internet Service Provider	ULS: Utah Lake System
IT: Information Technology	UPS: Uninterruptible Power Supply
JA: Jordan Aqueduct	URS: Utah Retirement Systems
JNPS: Jordan Narrows Pump Station	UV: Ultraviolet
JSSD: Jordanelle Special Service District	UVWTP: Utah Valley Water Treatment Plant
JVWCD: Jordan Valley Water Conservancy District	VoIP: Voice-over Internet Protocol
JVWTP: Jordan Valley Water Treatment Plant	WQTC: Water Quality Technology Conference
LCWTP: Little Cottonwood Water Treatment Plant	

Salt Lake County Auditors/State Tax Commission Forms

ATTACHMENT 1

HISTORY OF THE DISTRICT

In 1935, the voters of Salt Lake City created the Metropolitan Water District in order to enter into long-term agreements to build the Provo River Project including Deer Creek Reservoir and the Salt Lake Aqueduct. The Bureau of Reclamation built the project, and it was necessary to enter into repayment contracts to reimburse the federal government for the construction costs plus interest. The Metropolitan Water District is a 61.7% owner of the Provo River Water Users Association (the operating entity of the Deer Creek Division of the Provo River Project). The Metropolitan Water District is the sole owner of the Salt Lake Aqueduct. The water rights for the Provo River Project consist of water from the Provo River and water diverted from the Duchesne and Weber Rivers conveyed through a tunnel and canal system from the two basins to the Provo River for use by the Metropolitan Water District and others. In order to reimburse the Federal Government for the cost of the Provo River Project (including Deer Creek Reservoir and the Salt Lake Aqueduct), the residents of Salt Lake City have paid property taxes since 1935. The District is a participant in the Central Utah Project having petitions for combined water supplies of 25,600 acre feet from Jordanelle and Strawberry reservoirs. The Metropolitan Water District was a local sponsor for the construction of Little Dell Reservoir. (A map of the District system and facilities is attached.)

In 1990, Sandy City became the second member of the District. Sandy City sought membership in the District to treat its approximately 34 percent water right in Little Cottonwood Creek. Sandy City's annexation into the District increased efficiencies by consolidating water supplies and delivery systems to most of eastern Salt Lake County. As part of the agreement, the District receives water purchase revenue and ad valorem tax revenue from Sandy City. Furthermore, as a part of the annexation Salt Lake City acquired additional water rights in Little Dell Reservoir and \$4 million in water transmission mains installed on the City's west side. Also, the 1990 agreement admitting Sandy City established conjunctive water management practices among Salt Lake City, Sandy City, Jordan Valley Water Conservancy District and the Metropolitan Water District.

In 1998, the Metropolitan Water District updated its capital improvement master plan and identified more than \$250 million in improvements and expansion of water system capacity. In 2001, the District entered into an Interlocal Agreement with Sandy and Salt Lake City for implementation of the master plan. The major project constructed under the master plan was a new water treatment plant near the Point of the Mountain in the Draper area. The master plan improves redundancy in the event of a water treatment plant or aqueduct failure. Improvements include pipeline connections between the Little Cottonwood Water Treatment Plant, the Jordan Valley Water Treatment Plant, and the Point of the Mountain Water Treatment Plant. This allows flexibilities in shifting water between major north-south pipelines.

The Metropolitan Water District continues to implement an asset management program. Replacement of the Salt Lake Aqueduct Terminal Reservoir is ongoing at this time. Other system components are evaluated on an ongoing (quarterly) basis to determine the need and timing of upcoming projects.

The extensive water treatment and delivery functions allow the District to provide water to both member cities through purchase agreements, and sales to other entities, as water is available.

The District's Board is made up of two members appointed by the Sandy City Council and five members appointed by the Salt Lake City Council.

MWDSLS Water Supply

	Normal Year Volume (Acre Feet)
Provo River Project (Deer Creek Reservoir)	61,700
Little Cottonwood Creek (from SLC & Sandy)	20,000
Central Utah Project (Jordanelle Reservoir)	20,000
Central Utah Project (Strawberry Reservoir)	5600 (available 2021)
Ontario Drain Tunnel (Sandy City preferential right)	2700
Total	110,000

Agency Relationships

➤ Provo River Project

- Provo River Water Users Association (Deer Creek Division)
- MWDSLS (Aqueduct Division)
- Shareholders of PRWUA: MWDSLS (61.7%); Provo Reservoir Water Users Company (16%); 17 others

➤ Central Utah Project

- Central Utah Water Conservancy District
- Jordan Aqueduct System jointly operated with Jordan Valley Water Conservancy District

Existing Infrastructure

➤ Provo River Project

- Deer Creek Division:
 - Tranbasin Diversions: Duchesne River, Weber River
 - Deer Creek Dam
 - Provo River Aqueduct
- Aqueduct Division:
 - Salt Lake Aqueduct

➤ Central Utah Project

- Jordanelle Reservoir
- Jordan Aqueduct
- Jordan Valley Water Treatment Plant
- Utah Lake System (Strawberry Reservoir)

➤ Other

- Little Cottonwood Water Treatment Plant (MWDSLS)
- 15000 South Pipeline
- Little Dell Reservoir

Licensing Program

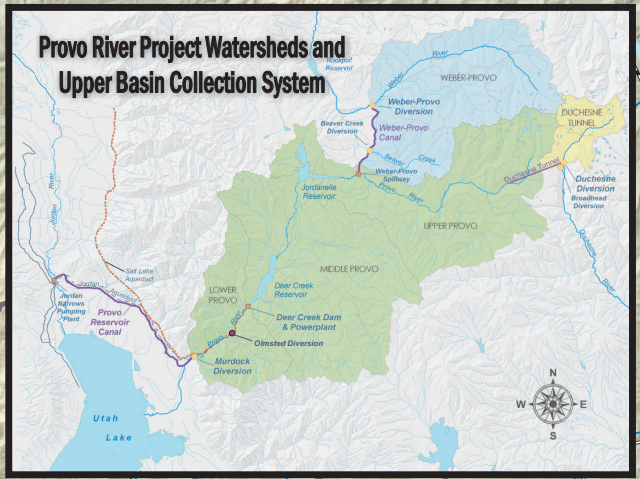
- Salt Lake Aqueduct
 - Title transfer from federal government—October 2006
- Point of the Mountain Aqueduct
 - Completed April 2007
- Ongoing program to manage right-of-way corridors

Terminal Reservoir Replacement Project

- 3300 South I-215
- End (terminus) of Salt Lake Aqueduct
- Original 40 million gallon storage facility completed in 1951
- Outdated seismic design standards
- New facility will include 49 MG of storage
- Construction began in December 2011
- Completion anticipated November 2017
- \$42 million project

Type your text

Provo River Project Watersheds and Upper Basin Collection System



Jordan Aqueduct Reach No. 3

DESIGN CAPACITY:
120 CFS (78 MGD)
FACILITIES:
(1) 48-inch Pipe

Terminal Reservoir

DESIGN CAPACITY:
100 MG
FACILITIES:
27 MWDSLs 28.6 MG

Jordan Aqueduct Reach No. 2

DESIGN CAPACITY:
270 CFS (175 MGD)
FACILITIES:
(1) 78-inch Pipe

15000 South Pipeline

DESIGN CAPACITY:
33 MGD (Gravity)
84 MGD (POMA Sleeve Valves)
50% MWDSLs

Point of the Mountain Aqueduct (Untreated Water)

DESIGN CAPACITY:
151 MGD
FACILITIES:
(1) 84-inch Pipe
(2) 2.5 Miles in Length

Jordan Valley Water Treatment Plant

DESIGN CAPACITY:
180 MGD
2/7 MWDSLs 51 MGD

Jordan Aqueduct Reach No. 1

DESIGN CAPACITY:
270 CFS (175 MGD)
FACILITIES:
(1) 78-inch Pipe

Little Dell Dam

DESIGN CAPACITY:
20,500 AC-FT
FACILITIES:
(1) 224-foot High Dam
(2) Outlet Spillway

Terminal Reservoir

DESIGN CAPACITY:
40 MG
FACILITIES:
(1) Two 20 MG Concrete Reservoirs

Salt Lake Aqueduct

DESIGN CAPACITY:
175 CFS (11.8 MGD)
FACILITIES:
(1) 69-inch Concrete Pipe
(2) Alpine Tunnel
(3) Various Welded Steel Siphons
(4) 42 Miles Total Length
(5) 33 Miles Untreated Water
(6) 5 Miles Treated Water

Little Cottonwood Water Treatment Plant

DESIGN CAPACITY:
143 MGD

Jordan Reservoir

DESIGN CAPACITY:
360,300 AC-FT
314,016 AC-FT Active Pool
3,028 AC-FT Dead Pool
Normal year yield to MWDSLs is 20,000 AC-FT

FACILITIES:
(1) Dam
(2) Land Around Reservoir
(3) Outlet Works and Spillway

RECREATION USE:
Managed by Utah State Parks & Recreation

OUTLET WORKS CAPACITY:
2,300 CFS

SPILLWAY CAPACITY:
5,510 CFS
Bureau of Reclamation Facility (Central Utah Project)
Operated by Central Utah Water Conservancy District

Deer Creek Dam & Reservoir

DESIGN CAPACITY:
152,564 AC-FT
149,700 AC-FT Active Pool
2,864 AC-FT Dead Pool
49,700 AC-FT Carry Over
100,000 Association Shares
Normal year yield to MWDSLs is 61,700 AC-FT

FACILITIES:
(1) Dam
(2) Land Around Reservoir
(3) Outlet Works and Spillway
(4) Salt Lake Aqueduct Intake (MWDSLs Facility)

RECREATION USE:
Managed by Utah State Parks & Recreation

OUTLET WORKS CAPACITY:
2 Tube Valves

SPILLWAY CAPACITY:
12,000 CFS
Bureau of Reclamation Facility (Provo River Project)
Operated by Provo River Water Users Association

Deer Creek Powerhouse

DESIGN CAPACITY:
5 MW
FACILITIES:
(1) 2-2,475 kW Generators

MWDSLs SERVICE AREA

Facilities

- 1 DEER CREEK DAM
- 2 MURDOCK DIVERSION
- 3 OLMSTED TUNNEL & SIPHON
- 4 POINT OF THE MOUNTAIN AQUEDUCT UNTREATED WATER INTAKE
- 5 JORDAN NARROWS INTAKE & SIPHON
- 6 JORDAN NARROWS TURBINE & PUMPING PLANT
- 7 ALPINE DRAPER TUNNEL (Salt Lake Aqueduct)
- 8 MURRAY POWER PLANT INTAKE
- 9 LITTLE COTTONWOOD & BELL CANYON CREEK INTAKE
- 10 LITTLE COTTONWOOD WATER TREATMENT PLANT
- 11 10 MG RESERVOIR
- 12 TERMINAL RESERVOIR
- 13 POINT OF THE MOUNTAIN WATER TREATMENT PLANT
- 14 OLMSTED DIVERSION
- 15 JORDAN VALLEY WATER TREATMENT PLANT
- 16 100 MG TERMINAL RESERVOIR
- 17 LITTLE DELL RESERVOIR
- 18 UTAH LAKE PUMP STATION

Utah Lake Pump Station

DESIGN CAPACITY:
769 CFS Total
135 CFS MWDSLs (17.6%)

FACILITIES:
(1) 4 Vertical Propeller Pumps @ 200 CFS Each
(2) 1400 HP Total

Provo River Aqueduct

DESIGN CAPACITY:
626 CFS Maximum
187 CFS MWDSLs

FACILITIES:
(1) 21.5 miles of 126-inch and 120-inch diameter welded steel pipe

SYSTEM FACILITIES

Metropolitan Water District of Salt Lake & Sandy