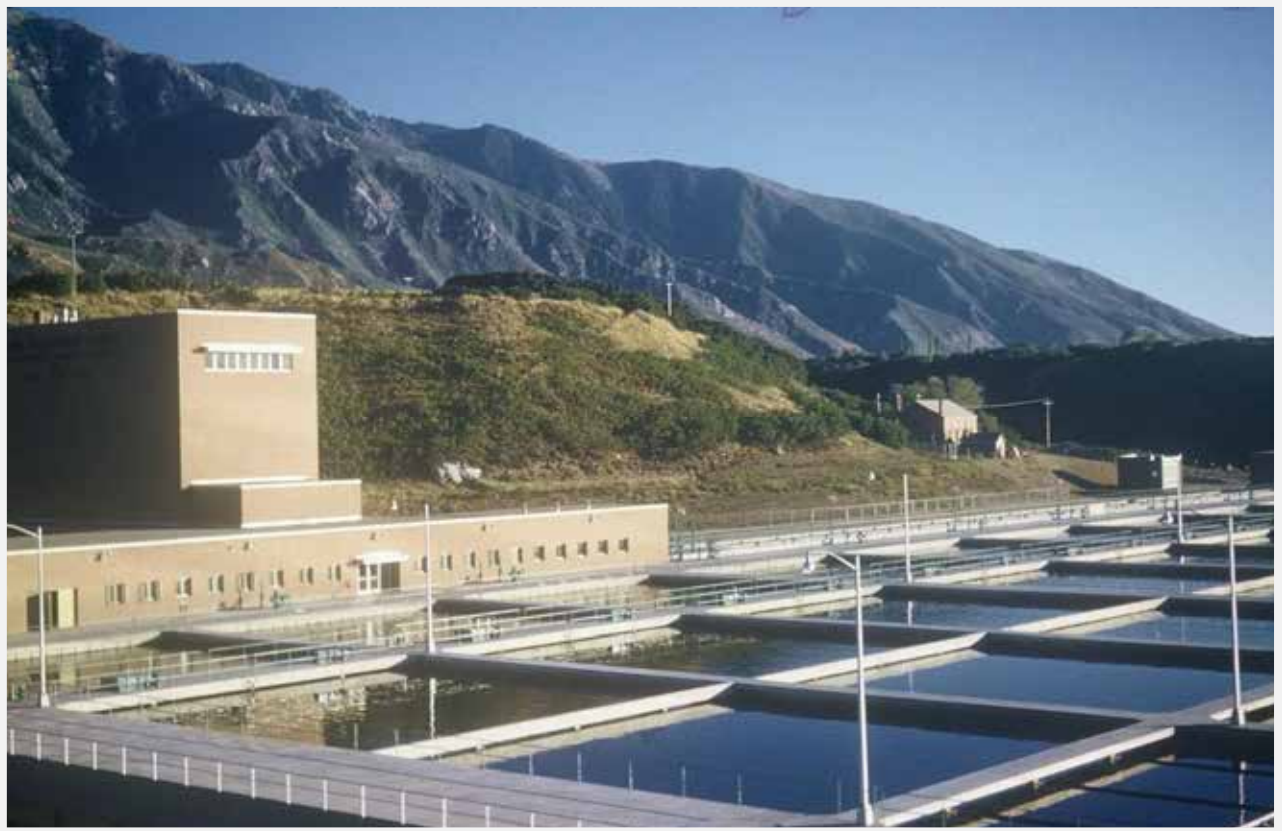

FY 2018

Metropolitan Water District of Salt Lake & Sandy



Executive Summary

Metropolitan Water District of Salt Lake & Sandy

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www.mwdsls.org



June 26, 2017—This is an executive summary of the budget information for the Metropolitan Water District of Salt Lake & Sandy (the “District”) for Fiscal Year 2018.

The approved budget includes total budgeted revenue of \$44.7 million. This is based on a proposed 5% 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 2017. Future years are anticipated to be 3% annual increases through FY 2027 (10-year look ahead). Projected rate increases are lower than prior forecasts due to factors such as completion of the Terminal Reservoir Replacement Project (TRRP), moving to a fixed rate structure for water sales to the member cities, and refinancing of debt.

Total expenses amount to \$46.6 million. This reflects a reduction of \$5.2 million due primarily to the completion of the TRRP. The total FY 2018 capital budget is \$8.7 million. No new debt service activity is anticipated during FY 2018; refunding opportunities are not likely but will be explored as warranted.

The Operations and Maintenance (O&M) budget totals \$33.9 million. Generally, O&M costs are stable with budget projections being based on 3-year averages. Costs related to the Central Utah Project (CUP) 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 Project (PRP) are uniquely shown and are separated from O&M or capital. The budget amount related to the PRP is \$4.0 million. This includes nearly \$825,000 for finalizing a portion of the financing related to the Provo River Aqueduct. The annual allotment for the PRP water supply has been established at 100%. The 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 L. Wilson, General Manager/Budget Officer

Budget

Metropolitan Water District of Salt Lake & Sandy													
Fiscal Year 2018													
TOTAL DISTRICT OPERATIONS AND MAINTENANCE EXPENDITURES													
Last update:													
06/22/17													
Account	Description	Actual FY 2014	Actual FY 2015	Actual FY 2016	3-Year Average (FY 2014-2016)	Budget FY 2017	Actual 1/31/2017	% of Total Spent YTD FY 2017	% of Total Spent YTD 3-year average	Projected Spend FY 2017	Projected Spend over/(under) for FY 2017	Budget FY 2018	% Change from FY 2017 Budget
5110	Salary & Wage Exp.	3,771,870	3,804,374	3,970,817	3,849,020	4,132,163	2,255,355	54.58%	56.90%	4,042,815	(89,348)	4,202,983	1.71%
5120	Overtime Premium	96,906	99,738	97,235	97,960	97,538	56,160	57.58%	65.18%	90,365	(7,173)	97,243	-0.30%
5160	Vehicle Allowance	-	-	1,020	340	-	-	N/A	58.33%	-	-	-	N/A
5170	On Call Pay	16,428	16,452	16,470	16,450	16,575	9,225	55.66%	57.08%	16,286	(289)	16,425	-0.90%
5190	Other	2,240	225	500	988	5,000	50	1.00%	51.43%	2,479	(2,521)	2,500	-50.00%
5210	Payroll Taxes	309,898	310,161	317,594	312,551	329,878	179,092	54.29%	57.07%	321,081	(8,797)	335,538	1.72%
	Salaries and Wages	4,199,983	4,232,746	4,442,302	4,291,677	4,581,154	2,499,882	54.57%		4,473,026	(108,128)	4,654,689	1.61%
5310	Retirement Plan	739,896	803,672	868,035	803,868	876,751	491,988	56.11%	59.63%	847,222	(29,529)	892,518	1.80%
5320	Medical Insurance Premiums	1,054,408	1,111,254	1,055,373	1,073,678	1,204,521	644,720	53.52%	58.78%	1,142,088	(62,433)	1,292,850	7.33%
5330	Tuition Aid Program	40,512	30,507	21,050	30,690	21,100	19,671	93.23%	58.33%	28,463	7,363	34,184	62.01%
5350	Insurance Premiums	36,356	35,796	35,472	35,875	40,520	20,361	50.25%	58.35%	37,277	(3,243)	37,476	-7.51%
	Employee Benefits	1,871,172	1,981,229	1,979,930	1,944,111	2,142,892	1,176,740	54.91%		2,055,050	(87,442)	2,257,028	5.33%
5340	Meetings & Seminars	26,827	30,999	25,259	27,695	38,927	8,543	21.95%	50.68%	30,012	(8,915)	38,064	-2.22%
	Employee Training	26,827	30,999	25,259	27,695	38,927	8,543	21.95%		30,012	(8,915)	38,064	-2.22%
5410	Business Travel	54,853	47,961	37,171	46,662	65,910	23,887	36.24%	63.26%	49,642	(16,268)	58,400	-11.39%
5430	Vehicle O & M	69,620	59,067	61,500	63,396	51,018	29,895	58.60%	68.76%	45,851	(5,167)	42,984	-15.75%
	Transportation	124,473	107,028	98,671	110,058	116,928	53,782	46.00%		95,493	(21,435)	101,384	-13.29%
5510	Legal	515,393	306,829	248,557	356,926	360,000	106,158	29.49%	43.99%	307,794	(52,206)	300,000	-16.67%
5520	Accounting	33,697	28,176	26,851	29,575	33,900	27,094	79.92%	87.40%	31,366	(2,534)	32,900	-2.95%
5530	Contract Services	1,039,010	1,700,543	1,714,051	1,484,535	1,685,826	1,015,223	60.22%	66.19%	1,642,450	(43,376)	1,701,037	0.90%
5540	Other	14,844	20,241	24,403	19,829	32,480	14,156	43.58%	77.57%	27,266	(5,214)	32,480	0.00%
	Professional Services	1,602,944	2,055,789	2,013,862	1,890,865	2,112,206	1,162,631	55.04%		2,008,876	(103,330)	2,066,417	-2.17%
5610	Telephone	27,602	26,506	22,656	25,588	27,146	12,128	44.68%	60.61%	22,837	(4,309)	25,188	-7.21%
5620	Electricity	1,454,731	1,020,607	948,202	1,141,180	1,494,067	787,097	52.68%	66.69%	1,284,770	(209,297)	1,510,386	1.09%
5630	Natural Gas	400,156	315,199	249,130	321,495	330,000	132,219	40.07%	49.90%	297,549	(32,451)	232,800	-29.45%
5640	Radio Communications	19,134	7,291	7,810	11,412	17,800	4,584	25.75%	90.83%	6,216	(11,584)	11,412	-35.89%
5650	Water	22,920	29,512	27,278	26,570	34,912	10,075	28.86%	56.82%	25,150	(9,762)	28,076	-19.58%
	Utilities	1,924,543	1,399,115	1,255,076	1,526,245	1,903,925	946,103	49.69%		1,636,522	(267,403)	1,807,862	-5.05%
5710	Bldgs & Grounds	117,281	107,367	144,078	122,909	113,520	61,054	53.78%	75.85%	88,469	(25,051)	88,520	-22.02%
5720	Machinery & Equipment	233,705	233,542	217,064	228,104	234,044	166,482	71.13%	49.33%	286,401	52,357	241,277	3.09%
	Repairs and Maintenance	350,986	340,909	361,142	351,013	347,564	227,536	65.47%		374,870	27,306	329,297	-5.11%
5810	General Supplies	22,515	21,089	22,251	21,952	24,015	10,223	42.57%	60.04%	20,507	(3,508)	22,673	-5.59%
5820	Office Supplies	6,617	9,028	7,858	7,834	11,400	4,297	37.70%	61.32%	8,725	(2,675)	7,800	-31.58%
5830	Materials	193,489	207,021	197,794	199,435	201,232	93,227	46.33%	51.54%	189,754	(11,478)	198,132	-1.54%
5840	Chemicals	1,532,950	1,278,530	1,261,713	1,357,731	1,221,356	750,071	61.41%	68.31%	1,137,657	(83,699)	1,130,681	-7.42%
5850	Computer & Instr. Supplies	104,279	100,465	97,894	100,879	104,789	76,455	72.96%	55.00%	123,610	18,821	104,784	0.00%
	Chemicals and Supplies	1,859,850	1,616,133	1,587,510	1,687,831	1,562,792	934,273	59.78%		1,480,253	(82,539)	1,464,070	-6.32%
5901	General Insurance	493,650	482,066	499,389	491,702	503,386	303,544	60.30%	58.58%	512,047	8,661	567,211	12.68%
5902	Administrative Fees	303,586	354,238	461,639	373,154	402,640	306,787	76.19%	166.31%	339,723	(62,917)	501,558	24.57%
5903	Water Stock Assessment	576	4,889	594	2,020	21,300	90	0.42%	16.94%	17,782	(3,518)	21,300	0.00%
5904	Rent Exp.	8,914	1,066	12,066	7,349	15,230	1,287	8.45%	56.16%	7,963	(7,267)	15,230	0.00%
5905	Miscellaneous	67,696	73,786	72,652	71,378	72,510	39,558	54.56%	54.72%	72,538	28	71,385	-1.55%
5906	Postage & Freight Exp.	3,416	3,205	3,077	3,233	4,500	1,676	37.24%	54.90%	3,946	(554)	3,500	-22.22%
5907	Contributions & Events	235,135	241,286	317,281	264,567	311,452	16,549	5.31%	63.07%	311,452	-	300,000	-3.68%
5909	Depreciation Exp.	10,246,351	10,679,989	10,751,104	10,559,148	10,465,000	6,282,300	60.03%	58.36%	10,639,926	174,926	10,700,000	2.25%
5910	Interest Exp.	10,494,913	10,875,513	10,302,901	10,557,776	10,066,255	5,501,268	54.65%	62.40%	9,463,337	(602,918)	9,186,791	-8.74%
5911	Laundry	11,778	13,868	10,501	12,049	14,120	7,758	54.95%	61.71%	13,588	(532)	13,420	-4.96%
5913	Safety	23,895	27,008	30,426	31,363,417	34,553	14,328	41.47%	41.94%	34,535	(18)	33,888	-1.92%
5914	Subscriptions & Publications	1,483	3,537	2,973	2,664	4,734	1,355	28.62%	64.63%	2,857	(1,877)	4,354	-8.03%
5915	Outside Printing	544	547	22	371	600	-	0.00%	2.53%	585	(15)	1,200	100.00%
5916	Dues & Memberships	47,152	33,324	34,985	38,487	34,048	23,943	70.32%	85.27%	31,845	(2,203)	30,599	-10.13%
5917	Amortization Exp.	(603,309)	(617,071)	(379,790)	(533,390)	(388,555)	(155,997)	40.15%	59.43%	(276,999)	111,556	(276,999)	-28.71%
	Other Expenses	21,335,780	22,177,251	22,119,820	53,213,925	21,561,773	12,344,446	57.25%		21,175,125	(386,648)	21,173,437	-1.80%
	Total Expenses	33,296,558	33,941,199	33,883,572	65,043,421	34,368,161	19,353,936	56.31%		33,329,227	(1,038,934)	33,892,748	-1.38%
	Excluding personnel (P) costs	27,225,403	27,727,224	27,461,340	58,807,633	27,644,115						26,981,031	-2.40%
	Excluding interest (I) costs	22,801,645	23,065,686	23,580,671	54,485,645	24,301,906						24,705,957	1.66%
	Excluding depreciation (D) and amortization (A)	23,653,516	23,878,281	23,512,258	55,017,663	24,291,716						23,469,747	-3.38%
	Excluding I, D, and A	13,158,603	13,002,768	13,209,357	44,459,887	14,225,461						14,282,956	0.40%

Metropolitan Water District of Salt Lake & Sandy
Fiscal Year 2018
ADMINISTRATIVE (10)
Last Update:
03/30/17

Account	Description	Actual FY 2014	Actual FY 2015	Actual FY 2016	3-Year Average (FY 2014-2016)	Budget FY 2017	Actual 1/31/2017	% of Total Spent YTD FY 2017	% of Total Spent YTD 3-year average	Projected Spent FY 2017	Projected Spent to Budget over/(under) for FY 2017	Budget FY 2018	% Change from FY 2017 Budget
5110	Salary & Wage Exp.	322,185	338,064	337,244	332,498	378,656	189,944	50.16%	56.69%	353,940	(24,716)	390,643	3.17%
5120	Overtime	7	17	10	11	-	360	N/A	49.36%	360	360	-	N/A
5210	Payroll Taxes	25,325	25,709	24,348	25,127	27,186	12,705	46.74%	56.39%	24,561	(2,625)	28,256	3.94%
	Salaries and Wages	347,517	363,790	361,602	357,636	405,842	203,009	50.02%		378,861	(26,981)	418,899	3.22%
5310	Retirement Plan	61,020	67,222	71,664	66,635	73,281	40,530	55.31%	59.78%	70,003	(3,278)	75,755	3.38%
5320	Medical Insurance Premiums	71,790	76,547	73,705	74,014	87,686	40,721	46.44%	58.90%	76,760	(10,926)	80,443	-8.26%
5330	Tuition Aid Program	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5350	Insurance Premiums	2,281	2,237	2,233	2,250	2,509	1,154	45.99%	58.60%	2,193	(316)	2,306	-8.08%
	Employee Benefits	135,091	146,006	147,602	142,899	163,476	82,405	50.41%		148,956	(14,520)	158,504	-3.04%
5340	Meetings & Seminars	6,712	11,064	9,786	9,187	9,020	3,923	43.49%	51.24%	8,321	(699)	8,665	-3.94%
	Employee Training	6,712	11,064	9,786	9,187	9,020	3,923	43.49%		8,321	(699)	8,665	-3.94%
5410	Business Travel	36,772	23,808	17,752	26,111	27,100	15,333	56.58%	57.74%	26,785	(315)	26,400	-2.58%
5430	Vehicle O & M	252	341	466	353	216	159	73.63%	58.41%	249	33	203	-5.88%
	Transportation	37,024	24,149	18,218	26,464	27,316	15,492	56.71%		27,034	(282)	26,603	-2.61%
5510	Legal	515,393	306,829	248,557	356,926	360,000	106,158	29.49%	43.99%	307,794	(52,206)	300,000	-16.67%
5520	Accounting	33,697	28,176	26,851	29,575	33,900	27,094	79.92%	87.40%	31,366	(2,534)	32,900	-2.95%
5530	Contract Services	43,397	475,500	516,910	345,269	146,398	105,306	71.93%	44.97%	185,869	39,471	132,621	-9.41%
5540	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Professional Services	592,487	810,505	792,318	731,770	540,298	238,558	44.15%		525,029	(15,269)	465,521	-13.84%
5610	Telephone	1,528	1,380	1,380	1,429	1,780	805	45.22%	59.78%	1,521	(259)	1,480	-16.85%
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	1,528	1,380	1,380	1,429	1,780	805	45.22%		1,521	(259)	1,480	-16.85%
5710	Bldgs & Grounds	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5720	Machinery & Equipment	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Repairs and Maintenance	-	-	-	-	-	-	N/A		-	-	-	N/A
5810	General Supplies	4,027	7,689	3,649	5,122	3,000	1,521	50.69%	69.96%	2,422	(578)	2,850	-5.00%
5820	Office Supplies	6,617	9,028	7,758	7,801	11,400	4,253	37.31%	61.16%	8,681	(2,719)	7,800	-31.58%
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	10,644	16,717	11,407	12,923	14,400	5,774	40.10%		11,103	(3,297)	10,650	-26.04%
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	21,757	22,755	20,675	21,729	22,910	10,598	46.26%	41.52%	23,996	1,086	21,785	-4.91%
5906	Postage & Freight Exp.	2,330	2,403	2,682	2,472	4,000	1,676	41.90%	55.75%	3,446	(554)	2,500	-37.50%
5907	Contributions and Events	18,456	19,952	19,923	19,444	126,452	16,549	13.09%	100.13%	126,452	-	100,000	-20.92%
5909	Depreciation Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5910	Interest Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5911	Laundry	2,294	2,994	386	1,891	3,000	2,391	79.72%	9.67%	5,101	2,101	2,850	-5.00%
5913	Safety	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5914	Subscriptions & Publications	1,000	2,073	2,200	1,758	1,695	745	43.95%	61.48%	1,398	(297)	1,535	-9.44%
5915	Outside Printing	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5916	Dues & Memberships	1,800	4,273	3,121	3,065	3,025	1,595	52.73%	71.95%	2,444	(581)	1,860	-38.51%
5917	Amortization Expense	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Other Expenses	47,637	54,450	48,987	50,359	161,082	33,554	20.83%		162,837	1,755	130,530	-18.97%
	Total Expenses	1,178,640	1,428,061	1,391,300	1,332,667	1,323,214	583,520	44.10%		1,263,662	(59,552)	1,220,852	-7.74%
					Excluding personnel costs	753,896						643,449	-14.65%

Fiscal Year 2018 General Expenditures Worksheet

Cost Center Name: Administrative (10)

Last Update:
03/30/17

Account Number	Account Name	Description	Submitted by:	Units	Quantity	Unit Price	Extended Amount
5110	Salary and Wage Expense	Salary and wages (4 FTEs, 1 intern)		Pay Period	26	\$ 15,025	\$ 390,643
5110 Total							\$ 390,643
5210	Payroll Taxes	Employer Portion of Payroll Taxes		Pay Period	26	\$ 1,087	\$ 28,256
5210 Total							\$ 28,256
5310	Retirement Plan	URS (Utah Retirement Systems) Contribution and Employer Match		Pay Period	26	\$ 2,914	\$ 75,755
5310 Total							\$ 75,755
5320	Medical Insurance Premiums	Insurance premiums (Dental, Medical, and H.S.A. Contribution)		Monthly	12	\$ 6,704	\$ 80,443
5320 Total							\$ 80,443
5350	Insurance Premiums	Health Savings Admin Fee		Monthly	12	\$ 110	\$ 1,320.00
5350	Insurance Premiums	AD&D, Basic Life, Long Term Disability, etc.		Monthly	12	\$ 192	\$ 2,306
5350 Total							\$ 2,306
5340	Meetings & Seminars	Accounting/HR Training	Annalee Munsey	Each	6	\$ 150	\$ 900
5340	Meetings & Seminars	Operator Certification Renewals	Annalee Munsey	Each	1	\$ 100	\$ 100
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/Civility Training	Annalee Munsey	Each	2	\$ 300	\$ 600
5340	Meetings & Seminars	Kitchen supplies	Annalee Munsey	Monthly	12	\$ 235	\$ 2,820
5340 Total							\$ 8,665
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	2	\$ 300	\$ 600
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	Utah Water Users Workshop	Annalee Munsey	Each	4	\$ 1,100	\$ 4,400
5410	Business Travel	Human Resource Conference	Annalee Munsey	Each	1	\$ 2,500	\$ 2,500
5410	Business Travel	Accounting Conference	Annalee Munsey	Each	1	\$ 1,200	\$ 1,200
5410 Total							\$ 26,400
5430	Vehicle O&M	Mileage reimbursement	Annalee Munsey	Miles	380	\$ 0.535	\$ 203
5430 Total							\$ 203
5510	Legal	General Counsel	Mike Wilson	Monthly	12	\$ 25,000	\$ 300,000
5510 Total							\$ 300,000
5520	Accounting	Annual audit-contract amount (Year 4 of 5)	Annalee Munsey	Lump sum	1	\$ 9,900	\$ 9,900
5520	Accounting	Payroll & timekeeping outsourcing	Annalee Munsey	Lump sum	1	\$ 9,000	\$ 9,000
5520	Accounting	Accountant consultation work	Annalee Munsey	Lump sum	1	\$ 14,000	\$ 14,000
5520 Total							\$ 32,900
5530	Contract Services	Motor Vehicle Record requests	Annalee Munsey	Each	65	\$ 6.00	\$ 390
5530	Contract Services	Drug Screening--random and pre-employment	Annalee Munsey	Each	12	\$ 46.50	\$ 558
5530	Contract Services	Background checks	Annalee Munsey	Each	5	\$ 54.50	\$ 273
5530	Contract Services	Investment advisor fees	Mike Wilson	Monthly	12	\$ 1,875	\$ 22,500
5530	Contract Services	Bond post-issue compliance (continuing disclosure)	Mike Wilson	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 Wilson	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 Wilson	Monthly	12	\$ 6,667	\$ 80,000
5530	Contract Services	Public relations/public involvement consulting services	Annalee Munsey	Lump sum	1	\$ 5,000	\$ 5,000
5530	Contract Services	Financial consulting services	Mike Wilson	Lump sum	1	\$ 5,000	\$ 5,000
5530	Contract Services	Records management	Annalee Munsey	Lump sum	1	\$ 1,000	\$ 1,000
5530 Total							\$ 132,621
5610	Telephone	Mobile phone allowances (2)	Mike Wilson	Monthly	12	\$ 115	\$ 1,380
5610	Telephone	Allowance for cell phone replacement/parts	Mike Wilson	Each	2	\$ 50	\$ 100
5610 Total							\$ 1,480
5810	General Supplies	General Supplies	Mike Wilson	Lump sum	1	\$ 2,850	\$ 2,850
5810 Total							\$ 2,850
5820	Office Supplies	General Office Supplies	Mike Wilson	Monthly	12	\$ 650	\$ 7,800
5820 Total							\$ 7,800
5905	Miscellaneous	Service Awards	Annalee Munsey	Each	13	\$ 435	\$ 5,655
5905	Miscellaneous	Job Postings	Annalee Munsey	Each	5	\$ 250	\$ 1,250
5905	Miscellaneous	Wellness Program	Annalee Munsey	Employee	64	\$ 195	\$ 12,480
5905	Miscellaneous	Legal Notices	Mike Wilson	Each	3	\$ 800	\$ 2,400
5905 Total							\$ 21,785
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 Wilson	Lump sum	1	\$ 10,000	\$ 10,000
5907	Contribution & Events	Employee Winter Party	Mike Wilson	Lump sum	1	\$ 10,000	\$ 10,000
5907	Contribution & Events	Water Week Activities	Mike Wilson	Lump sum	1	\$ 5,000	\$ 5,000
5907	Contribution & Events	Water Audits	Mike Wilson	Lump sum	1	\$ 75,000	\$ 75,000
5907 Total							\$ 100,000
5911	Laundry	Miscellaneous Uniforms	Mike Wilson	Lump sum	1	\$ 2,850	\$ 2,850
5911 Total							\$ 2,850
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	\$ 26	\$ 130
5914	Subscriptions & Publications	Books	Annalee Munsey	Each	4	\$ 50	\$ 200
5914 Total							\$ 1,535
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	\$ 970	\$ 970
5916	Dues & Membership	Society for Human Resource Management	Annalee Munsey	Lump sum	1	\$ 190	\$ 190
5916	Dues & Membership	Government Finance Officers Association	Mike Wilson	Lump sum	1	\$ 185	\$ 185
5916	Dues & Membership	American Society of Civil Engineers	Mike Wilson	Lump sum	1	\$ 250	\$ 250
5916 Total							\$ 1,860

Metropolitan Water District of Salt Lake & Sandy
Fiscal Year 2018
GENERAL (20)
Last Update:
06/22/17

Account	Description	Actual FY 2014	Actual FY 2015	Actual FY 2016	3-Year Average (FY 2014-2016)	Budget FY 2017	Actual 1/31/2017	% of Total Spent YTD FY 2017	% of Total Spent YTD 3-year average	Projected Spend FY 2017	Projected Spend over/(under) for FY 2017	Budget FY 2018	% Change from FY 2017 Budget
5110	Salary & Wage Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5120	Overtime Premium	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5130	Vacation	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5131	Sick Leave	2,641	1,796	38,666	14,368	-	-	N/A	0.00%	-	-	-	N/A
5170	On Call Pay	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5190	Other	2,240	225	500	988	5,000	50	1.00%	51.43%	2,479	(2,521)	2,500	-50.00%
5210	Payroll Taxes	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Salary and Wages	4,881	2,021	39,166	15,356	5,000	50	1.00%		2,479	(2,521)	2,500	-50.00%
5310	Retirement Plan	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5320	Medical Insurance Premiums	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5330	Tuition Aid Program	40,512	30,507	21,050	30,690	21,100	19,671	93.23%	58.33%	28,463	7,363	34,184	62.01%
5350	Insurance Premiums	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Employee Benefits	40,512	30,507	21,050	30,690	21,100	19,671	93.23%		28,463	7,363	34,184	62.01%
5340	Meetings & Seminars	7,049	4,115	1,975	4,380	5,450	564	10.35%	53.50%	3,099	(2,351)	4,520	-17.06%
	Employee Training	7,049	4,115	1,975	4,380	5,450	564	10.35%		3,099	(2,351)	4,520	-17.06%
5410	Business Travel	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5430	Vehicle O & M	66,542	54,305	57,469	59,439	47,900	27,931	58.31%	70.25%	42,181	(5,719)	39,500	-17.54%
	Transportation	66,542	54,305	57,469	59,439	47,900	27,931	58.31%		42,181	(5,719)	39,500	-17.54%
5510	Legal	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5520	Accounting	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5530	Contract Services	406,135	632,477	632,114	556,909	739,979	665,989	90.00%	105.73%	739,979	-	863,939	16.75%
5540	Other	4,596	1,048	1,285	2,310	7,000	-	0.00%	89.39%	7,000	-	7,000	0.00%
	Professional Services	410,731	633,525	633,399	559,219	746,979	665,989	89.16%		746,979	-	870,939	16.59%
5610	Telephone	11,243	10,457	7,415	9,705	9,480	3,383	35.69%	63.25%	6,867	(2,613)	7,980	-15.82%
5620	Electricity	1,454,731	1,020,607	948,202	1,141,180	1,494,067	787,097	52.68%	66.69%	1,284,770	(209,297)	1,510,386	1.09%
5630	Natural Gas	400,156	315,199	249,130	321,495	330,000	132,219	40.07%	49.90%	297,549	(32,451)	232,800	-29.45%
5640	Radio Communications	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5650	Water	22,920	29,512	27,278	26,570	34,912	10,075	28.86%	56.82%	25,150	(9,762)	28,076	-19.58%
	Utilities	1,889,050	1,375,775	1,232,025	1,498,950	1,868,459	932,774	49.92%		1,614,336	(254,123)	1,779,242	-4.77%
5710	Bldgs & Grounds	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5720	Machinery & Equipment	73	-	860	187	500	-	0.00%	7.80%	461	(39)	990	98.00%
	Repairs and Maintenance	73	-	860	187	500	-	0.00%		461	(39)	990	98.00%
5810	General Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5820	Office Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5830	Materials	16,092	9,730	8,262	11,361	9,390	8,100	86.27%	53.83%	12,436	3,046	8,780	-6.50%
5840	Chemicals	-	120	-	40	-	-	N/A	100.00%	-	-	-	N/A
5850	Computer & Instr. Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Chemicals and Supplies	16,092	9,850	8,262	11,401	9,390	8,100	86.26%		12,436	3,046	8,780	-6.50%
5901	General Insurance	493,650	482,066	499,389	491,702	503,386	303,544	60.30%	58.58%	512,047	8,661	567,211	12.68%
5902	Administrative Fees	303,586	354,238	461,639	373,154	402,640	306,787	76.19%	166.31%	339,723	(62,917)	501,558	24.57%
5903	Water Stock Assessment	576	4,889	594	2,020	21,300	90	0.42%	16.94%	17,782	(3,518)	21,300	0.00%
5904	Rent Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5905	Miscellaneous	45,939	50,983	51,977	49,633	49,600	28,960	58.39%	60.52%	48,542	(1,058)	49,600	0.00%
5906	Postage & Freight Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5907	Contributions & Events	115,426	118,250	190,000	141,225	185,000	-	0.00%	76.40%	185,000	-	200,000	8.11%
5909	Depreciation Expense	10,246,351	10,679,989	10,751,104	10,559,148	10,465,000	6,282,300	60.03%	58.36%	10,639,926	174,926	10,700,000	2.25%
5910	Interest Expense	10,494,913	10,875,513	10,302,901	10,557,776	10,066,255	5,501,268	54.65%	62.40%	9,463,337	(602,918)	9,186,791	-8.74%
5911	Laundry	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5913	Safety	14,710	15,554	12,302	14,189	18,905	5,435	28.75%	42.21%	16,360	(2,545)	18,440	-2.46%
5914	Subscriptions & Publications	-	892	-	297	1,360	345	25.37%	90.14%	479	(881)	1,340	-1.47%
5915	Outside Printing	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5916	Dues & Memberships	44,217	27,719	30,056	33,997	25,941	19,842	76.49%	87.27%	23,144	(2,797)	25,543	-1.53%
5917	Amortization Exp.	(603,309)	(617,071)	(379,790)	(533,390)	(388,555)	(155,997)	40.15%	59.43%	(276,999)	111,556	(276,999)	N/A
	Other Expenses	21,156,059	21,993,022	21,920,172	21,689,751	21,350,832	12,292,574	57.57%		20,969,341	(381,491)	20,994,784	-1.67%
	Total Expenses	23,590,989	24,103,120	23,914,378	23,869,373	24,055,610	13,947,653	57.98%		23,419,775	(635,835)	23,735,439	-1.33%
					Excluding personnel costs	24,029,510						23,698,755	-1.38%

Fiscal Year 2018 General Expenditures Worksheet

Cost Center Name: General (20)

Last Update:
06/22/17

Account Number	Account Name	Description	Submitted By	Units	Quantity	Unit Price	Extended Amount
5190	Other	Employee suggestions	Mike Wilson	Lump sum	1	\$ 2,500	\$ 2,500
5190 Total							\$ 2,500
5330	Tuition Aid Program	Tuition Assistance	Mike Wilson	Lump sum	1	\$ 34,184	\$ 34,184
5330 Total							\$ 34,184
5340	Meetings & Seminars	District training	Annalee Munsey	Bi-monthly	24	\$ 175	\$ 4,200
5340	Meetings & Seminars	Safety committee inspections	Annalee Munsey	Quarterly	4	\$ 80	\$ 320
5340 Total							\$ 4,520
5430	Vehicle O&M	Fleet Vehicles (Gasoline)	Wayne Winsor	Gallons	12500	\$ 2.15	\$ 26,875
5430	Vehicle O&M	Fleet Vehicles (Diesel)	Wayne Winsor	Gallons	800	\$ 2.25	\$ 1,800
5430	Vehicle O&M	Specialty Vehicles	Wayne Winsor	Gallons	500	\$ 2.25	\$ 1,125
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	\$ 1,200	\$ 1,200
5430	Vehicle O&M	Repair Parts	Wayne Winsor	Lump sum	1	\$ 1,500	\$ 1,500
5430 Total							\$ 39,500
5530	Contract Services	Jordan Aqueduct O&M by JVWCD	Mike Wilson	AF	10,083	\$ 17.99	\$ 181,401
5530	Contract Services	JVWTP operations by JVWCD	Mike Wilson	AF	2,669	\$ 37.63	\$ 100,434
5530	Contract Services	JVWTP maintenance by JVWCD	Mike Wilson	Lump sum	1	\$ 260,720	\$ 260,720
5530	Contract Services	Jordan Aqueduct Terminal Reservoir operations by JVWCD	Mike Wilson	AF	10,106	\$ 1.14	\$ 11,521
5530	Contract Services	Jordan Aqueduct Terminal Reservoir maintenance by JVWCD	Mike Wilson	Lump sum	1	\$ 24,001	\$ 24,001
5530	Contract Services	150th South Pipeline operations by JVWCD	Mike Wilson	AF	7,457	\$ 1.69	\$ 12,602
5530	Contract Services	150th South Pipeline maintenance by JVWCD	Mike Wilson	Lump sum	1	\$ 29,309	\$ 29,309
5530	Contract Services	Non-CUP water carriage charge in JA	Mike Wilson	AF	1,471	\$ 2.46	\$ 3,619
5530	Contract Services	UVWTP transfer pump cost	Mike Wilson	AF	256	\$ 15.00	\$ 3,840
5530	Contract Services	Little Dell O&M by SLCPU	Mike Wilson	Lump sum	1	\$ 220,000	\$ 220,000
5530	Contract Services	Water Softeners/De-ionized Water	Wayne Winsor	Monthly	12	\$ 605	\$ 7,260
5530	Contract Services	Garbage Removal	Wayne Winsor	Monthly	12	\$ 210	\$ 2,520
5530 Total							\$ 863,939
5540	Other	Employee Development	Annalee Munsey	Lump sum	1	\$ 3,000	\$ 3,000
5540	Other	AWWA Management Institute	Annalee Munsey	Each	2	\$ 500	\$ 1,000
5540	Other	Management/Leadership Training	Annalee Munsey	Lump sum	1	\$ 3,000	\$ 3,000
5540 Total							\$ 7,000
5610	Telephone	T1 PRI for District phone lines	Michael DeVries	Monthly	12	\$ 400	\$ 4,800
5610	Telephone	Long Distance Services for T1	Michael DeVries	Monthly	12	\$ 20	\$ 240
5610	Telephone	Phone number DIDs	Michael DeVries	Monthly	12	\$ 50	\$ 600
5610	Telephone	LCWTP Ozone Building phone lines and long distance	Michael DeVries	Monthly	12	\$ 80	\$ 960
5610	Telephone	JNPS phone line	Michael DeVries	Monthly	12	\$ 40	\$ 480
5610	Telephone	POMWTP backup phone lines	Michael DeVries	Monthly	12	\$ 75	\$ 900
5610 Total							\$ 7,980
5620	Electricity	Aqueducts	Michael DeVries	Monthly	12	\$ 681	\$ 8,177
5620	Electricity	Finished water reservoirs	Michael DeVries	Monthly	12	\$ 1,252	\$ 15,019
5620	Electricity	Salt Lake Aqueduct intake	Michael DeVries	Monthly	12	\$ 1,483	\$ 17,790
5620	Electricity	Jordan Narrows Pump Station	Michael DeVries	Monthly	6	\$ 80,620	\$ 483,718
5620	Electricity	Point of the Mountain site	Michael DeVries	Monthly	12	\$ 45,240	\$ 542,882
5620	Electricity	Little Cottonwood site	Michael DeVries	Monthly	12	\$ 36,900	\$ 442,800
5620 Total							\$ 1,510,386
5630	Natural Gas	Questar - Point of the Mountain Site	Wayne Winsor	Monthly	12	\$ 1,800	\$ 21,600
5630	Natural Gas	Questar - Little Cottonwood Site/Terminal Reservoir	Wayne Winsor	Monthly	12	\$ 2,600	\$ 31,200
5630	Natural Gas	BP Gas	Wayne Winsor	Monthly	12	\$ 15,000	\$ 180,000
5630 Total							\$ 232,800
5650	Water	Salt Lake City	Wayne Winsor	Monthly	12	\$ 680	\$ 8,160
5650	Water	Cottonwood Improvement District	Wayne Winsor	Quarterly	4	\$ 560	\$ 2,240
5650	Water	Mt. Olympus Improvement District (sanitary sewer @ Terminal Reservoir)	Wayne Winsor	Bi-monthly	6	\$ 20	\$ 120
5650	Water	Draper City (storm drain fee)	Wayne Winsor	Monthly	12	\$ 963	\$ 11,556
5650	Water	South Valley Sewer	Wayne Winsor	Monthly	12	\$ 500	\$ 6,000
5650 Total							\$ 28,076
5720	Machinery & Equipment	Fit test recalibration	Michael DeVries	Lump sum	1	\$ 890	\$ 890
5720	Machinery & Equipment	Equipment repairs	Michael DeVries	Lump sum	1	\$ 100	\$ 100
5720 Total							\$ 990
5830	Materials	Goggles	Michael DeVries	Each	5	\$ 14.00	\$ 70
5830	Materials	Dew rags	Michael DeVries	Each	15	\$ 10.00	\$ 150
5830	Materials	Green pvc suits	Michael DeVries	Each	4	\$ 35.00	\$ 140
5830	Materials	Respirator cartridges	Michael DeVries	Each	10	\$ 35.00	\$ 350
5830	Materials	Ear plugs	Michael DeVries	Lump sum	1	\$ 300.00	\$ 300
5830	Materials	Secondary containment platforms	Michael DeVries	Each	3	\$ 600.00	\$ 1,800
5830	Materials	Confined space monitor	Michael DeVries	Each	2	\$ 895.00	\$ 1,790
5830	Materials	Self retracting life line	Michael DeVries	Each	2	\$ 285.00	\$ 570
5830	Materials	Absorbant materials	Michael DeVries	Lump sum	1	\$ 800.00	\$ 800
5830	Materials	Lockout/tagout equipment	Michael DeVries	Lump sum	1	\$ 100.00	\$ 100
5830	Materials	Safety glasses	Michael DeVries	Lump sum	1	\$ 300.00	\$ 300
5830	Materials	Safety harness	Michael DeVries	Each	2	\$ 155.00	\$ 310
5830	Materials	Gloves	Michael DeVries	Lump sum	1	\$ 250.00	\$ 250
5830	Materials	Exit signs	Michael DeVries	Each	2	\$ 300.00	\$ 600
5830	Materials	Dehydrated food	Michael DeVries	Lump sum	1	\$ 1,000.00	\$ 1,000
5830	Materials	Books & videos/training	Michael DeVries	Lump sum	1	\$ 250.00	\$ 250
5830 Total							\$ 8,780
5901	General Insurance	General liability	Mike Wilson	Lump sum	1	\$ 38,256	\$ 38,256
5901	General Insurance	Automobile liability	Mike Wilson	Lump sum	1	\$ 10,223	\$ 10,223
5901	General Insurance	Public officials/management liability	Mike Wilson	Lump sum	1	\$ 6,547	\$ 6,547
5901	General Insurance	Umbrella/excess liability (included with general liability)	Mike Wilson	Lump sum	1	\$ 22,343	\$ 22,343
5901	General Insurance	Property	Mike Wilson	Lump sum	1	\$ 339,977	\$ 339,977
5901	General Insurance	Workers compensation	Mike Wilson	Lump sum	1	\$ 62,339	\$ 62,339
5901	General Insurance	Pollution/environmental liability	Mike Wilson	Lump sum	1	\$ 48,598	\$ 48,598
5901	General Insurance	Employee dishonesty/Crime	Mike Wilson	Lump sum	1	\$ 1,463	\$ 1,463
5901	General Insurance	Cyber liability (included with public officials/management liability)	Mike Wilson	Lump sum	1	\$ -	\$ -
5901	General Insurance	Identity fraud	Mike Wilson	Lump sum	1	\$ 250	\$ 250
5901	General Insurance	Public officials bond--Treasurer	Mike Wilson	Lump sum	1	\$ 9,090	\$ 9,090
5901	General Insurance	Insurance consulting fee (year 2 of 5)	Mike Wilson	Lump sum	1	\$ 28,125	\$ 28,125
5901	General Insurance	Miscellaneous	Mike Wilson	Lump sum	1	\$ -	\$ -

Fiscal Year 2018 General Expenditures Worksheet

Cost Center Name: General (20)

Last Update:
06/22/17

Account Number	Account Name	Description	Submitted By	Units	Quantity	Unit Price	Extended Amount
5901 Total							\$ 567,211
5902	Administrative fees	Utah Lake Water Users Association	Mike Wilson	Monthly	12	\$ 8,463	\$ 101,558
5902	Administrative fees	Central Utah Project Water	Mike Wilson	Acre feet	20,000	\$ 20.00	\$ 400,000
5902 Total							\$ 501,558
5903	Water Stock Assessment	Big Ditch Irrigation Company	Mike Wilson	Shares	192.6	\$ 107.50	\$ 20,705
5903	Water Stock Assessment	Big Cottonwood Lower Canal Company	Mike Wilson	Shares	20.64	\$ 22	\$ 453
5903	Water Stock Assessment	State Engineer Little Cottonwood Creek distribution assessment	Mike Wilson	Each	1	\$ 48	\$ 48
5903	Water Stock Assessment	Sandy Irrigation Company	Mike Wilson	Shares	2	\$ 8	\$ 16
5903	Water Stock Assessment	Utah Lake Distributing Company	Mike Wilson	Shares	1	\$ 43	\$ 43
5903	Water Stock Assessment	Bell Canyon Irrigation Company	Mike Wilson	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 2 of 5 at \$100,000 per year; or alternate)	Mike Wilson	Lump sum	1	\$ 100,000	\$ 100,000
5907	Contribution & Events	Mountain Accord watershed study (year 3 of 3)	Mike Wilson	Lump sum	1	\$ 100,000	\$ 100,000
5907 Total							\$ 200,000
5909	Depreciation Expense	Depreciation of Capital Assets	Sonya Shepherd	Monthly	12	\$ 891,667	\$ 10,700,000
5909 Total							\$ 10,700,000
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	\$ 4,556,550	\$ 4,556,550
5910	Interest Expense	2012B bonds	Annalee Munsey	Lump sum	1	\$ 239,175	\$ 239,175
5910	Interest Expense	2015 bonds	Annalee Munsey	Lump sum	1	\$ 208,300	\$ 208,300
5910	Interest Expense	2016A bonds	Annalee Munsey	Lump sum	1	\$ 1,958,950	\$ 1,958,950
5910 Total							\$ 9,186,791
5913	Safety	Safety Incentive Program	Annalee Munsey	Lump sum	1	\$ 12,000	\$ 12,000
5913	Safety	Medical Clearance for respirator	Annalee Munsey	Lump sum	30	\$ 60	\$ 1,800
5913	Safety	AED	Annalee Munsey	Lump sum	1	\$ 1,185	\$ 1,185
5913	Safety	First Aid supplies	Michael DeVries	Lump sum	1	\$ 2,000	\$ 2,000
5913	Safety	Unified Fire Authority-hazmat permits	Matt Tietje	Lump sum	1	\$ 1,455	\$ 1,455
5913 Total							\$ 18,440
5914	Subscriptions & Publications	AWWA Standards	Michael DeVries	Lump sum	1	\$ 1,000	\$ 1,000
5914	Subscriptions & Publications	National Safety Council Safety Magazine	Annalee Munsey	Lump sum	1	\$ 340	\$ 340
5914 Total							\$ 1,340
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	\$ 9,852	\$ 9,852
5916	Dues & Membership	Warehouse shopping accounts	Annalee Munsey	Lump sum	1	\$ 155	\$ 155
5916	Dues & Membership	Partnership for Safe Water	Michael DeVries	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	Blake Bowles	Lump sum	1	\$ 586	\$ 586
5916	Dues & Membership	Water ISAC	Michael DeVries	Lump sum	1	\$ 2,000	\$ 2,000
5916	Dues & Membership	Water Research Foundation	Mike Wilson	Lump sum	1	\$ 10,000	\$ 10,000
5916 Total							\$ 25,543
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 2018
OPERATIONS (22)
Last Update:
03/30/17

Account	Description	Actual FY 2014	Actual FY 2015	Actual FY 2016	3-Year Average (FY 2014-2016)	Budget FY 2017	Actual 1/31/2017	% of Total Spent YTD FY 2017	% of Total Spent YTD 3-year average	Projected Spend FY 2017	Projected Spend over/(under) for FY 2017	Budget FY 2018	% Change from FY 2017 Budget
5110	Salary & Wage Exp.	663,504	679,260	719,992	687,585	777,291	432,376	55.63%	57.08%	765,989	(11,302)	747,438	-3.84%
5120	Overtime Premium	81,010	82,641	86,781	83,477	80,323	51,694	64.36%	66.33%	78,739	(1,584)	80,323	0.00%
5170	On Call Pay	5,391	5,484	5,490	5,455	5,475	3,075	56.16%	56.98%	5,430	(45)	5,475	0.00%
5190	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5210	Payroll Taxes	59,635	60,752	64,658	61,682	67,654	38,047	56.24%	57.72%	66,651	(1,003)	65,245	-3.56%
	Salaries and Wages	809,540	828,137	876,921	838,199	930,743	525,192	56.43%		916,809	(13,934)	898,481	-3.47%
5310	Retirement Plan	146,741	161,591	177,353	161,895	183,828	106,209	57.78%	60.53%	178,766	(5,062)	177,349	-3.52%
5320	Medical Insurance Premiums	197,154	209,179	199,647	201,993	248,100	125,907	50.75%	59.01%	227,603	(20,497)	241,094	-2.82%
5330	Tuition Aid Program	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5350	Insurance Premiums	6,724	6,712	6,818	6,751	8,127	4,122	50.72%	58.05%	7,531	(596)	6,919	-14.87%
	Employee Benefits	350,619	377,482	383,818	370,639	440,055	236,238	53.68%		413,900	(26,155)	425,362	-3.34%
5340	Meetings & Seminars	1,571	1,583	1,306	1,487	2,250	1,330	59.11%	61.98%	2,185	(65)	1,650	-26.67%
	Employee Training	1,571	1,583	1,306	1,487	2,250	1,330	59.11%		2,185	(65)	1,650	-26.67%
5410	Business Travel	1,781	1,284	2,316	1,794	2,500	-	0.00%	82.98%	426	(2,074)	2,000	-20.00%
5430	Vehicle O & M	271	145	-	139	270	-	0.00%	0.00%	270	-	268	-0.93%
	Transportation	2,052	1,429	2,316	1,933	2,770	-	0.00%		696	(2,074)	2,268	-18.12%
5510	Legal	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5520	Accounting	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5530	Contract Services	970	1,455	-	808	-	216	N/A	100.00%	216	216	-	N/A
5540	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Professional Services	970	1,455	-	808	-	216	N/A		216	216	-	N/A
5610	Telephone	2,060	1,973	1,708	1,914	1,976	931	47.12%	58.16%	1,758	(218)	2,048	3.64%
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	2,060	1,973	1,708	1,914	1,976	931	47.12%		1,758	(218)	2,048	3.64%
5710	Bldgs & Grounds	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5720	Machinery & Equipment	-	258	-	86	800	773	96.68%	100.00%	773	(27)	800	0.00%
	Repairs and Maintenance	-	258	-	86	800	773	96.63%		773	(27)	800	0.00%
5810	General Supplies	24	50	673	249	1,700	27	1.59%	35.36%	1,126	(574)	1,700	0.00%
5820	Office Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5830	Materials	6,554	3,142	1,723	3,806	2,404	488	20.30%	41.96%	1,883	(521)	2,304	-4.16%
5840	Chemicals	1,469,680	1,189,277	1,212,573	1,290,510	1,145,746	707,395	61.74%	68.70%	1,066,014	(79,732)	1,059,289	-7.55%
5850	Computer & Instr. Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Chemicals and Supplies	1,476,258	1,192,469	1,214,969	1,294,565	1,149,850	707,910	61.57%		1,069,023	(80,827)	1,063,293	-7.53%
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.	84	8	25	39	-	-	N/A	100.00%	-	-	-	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	2,023	1,991	1,728	1,914	2,090	1,082	51.76%	81.98%	1,458	(632)	2,090	0.00%
5913	Safety	965	1,992	1,642	1,533	2,324	193	8.30%	8.02%	2,330	6	2,324	0.00%
5914	Subscriptions & Publications	24	403	87	171	400	199	49.75%	57.93%	367	(33)	300	-25.00%
5915	Outside Printing	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5916	Dues & Memberships	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5917	Amortization Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Other Expenses	3,096	4,394	3,482	3,657	4,814	1,474	30.62%		4,155	(659)	4,714	-2.08%
	Total Expenses	2,646,166	2,409,180	2,484,520	2,513,288	2,533,258	1,474,064	58.19%		2,409,515	(123,743)	2,398,616	-5.31%
					Excluding personnel costs	1,162,460						1,074,773	-7.54%

Fiscal Year 2018 General Expenditures Worksheet

Fiscal Year 2018 General Expenditures Worksheet							
Cost Center Name: Operations (22)							
Last Update:							
03/30/17							
Account Number	Account Name	Description	Units	Quantity	Unit Price	Extended Amount	
5110	Salary and Wage Expense	Salary and wages (12 FTEs)	Pay Period	26	\$ 28,748	\$	747,438
5110 Total						\$	747,438
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	\$ 2,509	\$	65,245
5210 Total						\$	65,245
5310	Retirement Plan	URS (Utah Retirement Systems) Contribution and Employer Match	Pay Period	26	\$ 6,821	\$	177,349
5310 Total						\$	177,349
5320	Medical Insurance Premiums	Insurance premiums (Dental, Medical, and H.S.A. Contribution)	Monthly	12	\$ 20,091	\$	241,094
5320 Total						\$	241,094
5350	Insurance Premiums	AD&D, Basic Life, Long Term Disability, etc.	Monthly	12	\$ 577	\$	6,919
5350 Total						\$	6,919
5340	Meetings & Seminars	Operator Certification Renewals	Each	8	\$ 100	\$	800
5340	Meetings & Seminars	Local Seminars	Lump sum	1	\$ 600	\$	600
5340	Meetings & Seminars	Meeting refreshments	Lump sum	1	\$ 250	\$	250
5340 Total						\$	1,650
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	\$ 0.535	\$	268
5430 Total						\$	268
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.	94,000	\$ 0.237	\$	22,278
5840	Chemicals	C 308P Cat-Floc (LCWTP) - totes	Lbs.	128,800	\$ 0.398	\$	51,262
5840	Chemicals	C 308P Cat-Floc (POMWTP) - bulk	Lbs.	14,813	\$ 0.348	\$	5,155
5840	Chemicals	A-6320 Anionic (POMWTP & LCWTP) - totes	Lbs.	6,753	\$ 1.840	\$	12,426
5840	Chemicals	Chlorine (LCWTP)	Lbs.	372,220	\$ 0.20900	\$	77,794
5840	Chemicals	Ferric Chloride (LCWTP)	Dry lbs.	1,590,671	\$ 0.1950	\$	310,181
5840	Chemicals	Caustic Soda 50% (LCWTP)	Dry lbs.	1,211,890	\$ 0.2550	\$	309,032
5840	Chemicals	Fluoride (LCWTP & POMWTP)	Wet. Lbs.	439,166	\$ 0.1607	\$	70,574
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	33,865	\$ 3.600	\$	121,914
5840	Chemicals	Sodium Thiosulfate (LCWTP)	Drum	-	\$ 130	\$	-
5840	Chemicals	T-Chlor (LCWTP & POMWTP)	Drum	8	\$ 150	\$	1,200
5840	Chemicals	Salt (POMWTP)	Tons	126	\$ 96,000	\$	12,096
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						\$	1,059,289
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	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 Total						\$	2,324
5914	Subscriptions & Publications	Subscriptions and Publications	Lump sum	1	\$ 300	\$	300
5914 Total						\$	300

Metropolitan Water District of Salt Lake & Sandy
Fiscal Year 2018
MAINTENANCE (23)
Last Update:
04/17/17

Account	Description	Actual FY 2014	Actual FY 2015	Actual FY 2016	3-Year Average (FY 2014-2016)	Budget FY 2017	Actual 1/31/2017	% of Total Spent YTD FY 2017	% of Total Spent YTD 3-year average	Projected Spend FY 2017	Projected Spend over/(under) for FY 2017	Budget FY 2018	% Change from FY 2017 Budget
5110	Salary & Wage Exp.	1,014,861	1,035,459	1,073,446	1,041,255	1,121,896	585,045	52.15%	56.27%	1,075,650	(46,246)	988,493	-11.89%
5120	Overtime Premium	11,983	14,342	6,229	10,851	13,299	2,254	16.95%	57.15%	7,953	(5,346)	13,299	0.00%
5170	On Call Pay	5,481	5,484	5,490	5,485	5,475	3,075	56.16%	57.03%	5,428	(47)	5,475	0.00%
5190	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5210	Payroll Taxes	84,233	85,004	86,175	85,137	90,198	47,800	52.99%	56.88%	86,693	(3,505)	79,738	-11.60%
	Salaries and Wages	1,116,558	1,140,289	1,171,340	1,142,728	1,230,868	638,174	51.85%		1,175,724	(55,144)	1,087,005	-11.69%
5310	Retirement Plan	187,928	209,092	222,130	206,383	227,318	121,234	53.33%	58.88%	214,708	(12,610)	198,277	-12.78%
5320	Medical Insurance Premiums	349,877	371,334	350,814	357,342	389,369	213,448	54.82%	58.62%	374,569	(14,800)	403,019	3.51%
5330	Tuition Aid Program	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5350	Insurance Premiums	12,243	12,175	12,147	12,188	14,286	7,032	49.22%	57.94%	13,041	(1,245)	12,108	-15.25%
	Employee Benefits	550,048	592,601	585,091	575,913	630,973	341,714	54.16%		602,318	(28,655)	613,404	-2.78%
5340	Meetings & Seminars	3,563	3,849	4,917	4,110	1,700	543	31.97%	61.16%	1,204	(496)	3,100	82.35%
	Employee Training	3,563	3,849	4,917	4,110	1,700	543	31.94%		1,204	(496)	3,100	82.35%
5410	Business Travel	2,199	2,603	3,290	2,697	3,600	-	0.00%	79.46%	739	(2,861)	3,600	0.00%
5430	Vehicle O & M	366	1,147	1,120	878	750	232	30.97%	45.25%	643	(107)	642	-14.40%
	Transportation	2,565	3,750	4,410	3,575	4,350	232	5.33%		1,382	(2,968)	4,242	-2.48%
5510	Legal	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5520	Accounting	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5530	Contract Services	91,615	159,296	107,721	119,544	183,992	78,719	42.78%	40.55%	188,102	4,110	132,692	-27.88%
5540	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Professional Services	91,615	159,296	107,721	119,544	183,992	78,719	42.78%		188,102	4,110	132,692	-27.88%
5610	Telephone	2,615	2,486	2,280	2,460	2,680	1,290	48.13%	58.67%	2,398	(282)	1,840	-31.34%
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	2,615	2,486	2,280	2,460	2,680	1,290	48.13%		2,398	(282)	1,840	-31.34%
5710	Bldgs & Grounds	117,281	107,367	144,078	122,909	113,520	61,054	53.78%	75.85%	88,469	(25,051)	88,520	-22.02%
5720	Machinery & Equipment	51,624	73,316	63,293	62,744	53,591	30,863	57.59%	59.64%	52,492	(1,099)	62,391	16.42%
	Repairs and Maintenance	168,905	180,683	207,371	185,653	167,111	91,917	55.00%		140,961	(26,150)	150,911	-9.69%
5810	General Supplies	9,998	7,842	11,944	9,928	12,915	5,746	44.49%	55.64%	11,475	(1,440)	10,415	-19.36%
5820	Office Supplies	-	-	100	33	-	-	N/A	100.00%	-	-	-	N/A
5830	Materials	84,040	100,666	92,136	92,281	102,206	50,295	49.21%	58.69%	92,517	(9,689)	100,316	-1.85%
5840	Chemicals and Supplies	2,948	21,797	6,630	10,458	7,100	1,630	22.95%	49.85%	5,190	(1,910)	5,600	-21.13%
5850	Computer & Instr. Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Chemicals and Supplies	96,986	130,305	110,810	112,700	122,221	57,671	47.19%		109,182	(13,039)	116,331	-4.82%
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.	8,914	1,066	12,066	7,349	15,230	1,287	8.45%	56.16%	7,963	(7,267)	15,230	0.00%
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	3,879	4,581	4,644	4,368	4,700	2,759	58.71%	71.08%	4,119	(581)	4,500	-4.26%
5913	Safety	4,673	5,451	11,613	7,246	6,421	7,621	118.69%	45.23%	11,138	4,717	5,821	-9.34%
5914	Subscriptions & Publications	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5915	Outside Printing	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5916	Dues & Memberships	-	-	-	-	3,235	380	11.75%	0.00%	3,615	380	1,510	-53.32%
5917	Amortization Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Other Expenses	17,466	11,146	28,323	18,979	29,586	12,047	40.72%		26,835	(2,751)	27,061	-8.53%
	Total Expenses	2,050,321	2,224,405	2,222,263	2,165,662	2,373,481	1,222,307	51.50%		2,248,106	(125,375)	2,136,586	-9.98%
					Excluding personnel costs	511,640						436,177	-14.75%

Fiscal Year 2018 General Expenditures Worksheet

Fiscal Year 2018 General Expenditures Worksheet							
Cost Center Name: Maintenance (23)							
Last Update: 04/17/17							
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	\$ 38,019	\$	988,493
5110 Total						\$	988,493
5120	Overtime Premium	Overtime premium	Pay Period	26	\$ 512	\$	13,299
5120 Total						\$	13,299
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	\$ 3,067	\$	79,738
5210 Total						\$	79,738
5310	Retirement Plan	URS (Utah Retirement Systems) Contribution and Employer Match	Pay Period	26	\$ 7,626	\$	198,277
5310 Total						\$	198,277
5320	Medical Insurance Premiums	Insurance premiums (Dental, Medical, and H.S.A. Contribution)	Monthly	12	\$ 33,585	\$	403,019
5320 Total						\$	403,019
5350	Insurance Premiums	AD&D, Basic Life, Long Term Disability, etc.	Monthly	12	\$ 1,009	\$	12,108
5350 Total						\$	12,108
5340	Meetings & Seminars	Backflow Prevention Seminar & Training	Each	2	\$ 100	\$	200
5340	Meetings & Seminars	APWA Construction Inspector Training	Each	2	\$ 250	\$	500
5340	Meetings & Seminars	Local Seminars	Each	5	\$ 200	\$	1,000
5340	Meetings & Seminars	Refreshments for Maintenance sponsored coordination	Lump sum	1	\$ 500	\$	500
5340	Meetings & Seminars	Operator Certification Renewals	Each	9	\$ 100	\$	900
5340 Total						\$	3,100
5410	Business Travel	AWWA Intermountain Section	Each	3	\$ 1,200	\$	3,600
5410 Total						\$	3,600
5430	Vehicle O & M	Mileage reimbursement	Miles	1200	\$ 0.535	\$	642
5430 Total						\$	642
5530	Contract Services	HVAC Equipment Service	Lump sum	1	\$ 13,000	\$	13,000
5530	Contract Services	Generator Preventative Maintenance Service	Lump sum	1	\$ 15,330	\$	15,330
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	\$ 15,000	\$	15,000
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	\$ 4,800	\$	4,800
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	\$ 1,000	\$	1,000
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
5530	Contract Services	Tree Removal	Lump sum	1	\$ 5,000	\$	5,000
5530	Contract Services	Lawn Care Service (LCWTP/POMWTP/10 MG RESERVOIR)	Lump sum	1	\$ 4,770	\$	4,770
5530 Total						\$	132,692
5610	Telephone	Mobile Phone Allowances (3)	Monthly	12	\$ 120	\$	1,440
5610	Telephone	Allowance for cell phone replacement/parts	Each	2	\$ 200	\$	400
5610 Total						\$	1,840
5710	Bldgs & Grounds	Painting Supplies	Lump sum	1	\$ 2,400	\$	2,400
5710	Bldgs & Grounds	Salt (Water Softener, Ice Melt, etc.)	Lump sum	1	\$ 3,000	\$	3,000
5710	Bldgs & Grounds	Repair Supplies (concrete repairs etc.)	Lump sum	1	\$ 4,000	\$	4,000
5710	Bldgs & Grounds	Fertilizer/weed killer/gopher bait	Lump sum	1	\$ 1,000	\$	1,000
5710	Bldgs & Grounds	Sprinkler supplies (controller, pop-up, rain birds, solenoids, misc.)	Lump sum	1	\$ 1,000	\$	1,000
5710	Bldgs & Grounds	Tools (shovels, rakes, loppers, shears, hand pruners, saws, snow shovels etc.)	Lump sum	1	\$ 1,120	\$	1,120
5710	Bldgs & Grounds	Equipment supplies (oil, chains, weed trimming line, wasp spray, misc.)	Lump sum	1	\$ 1,000	\$	1,000
5710	Bldgs & Grounds	Cleaning of Drying Beds	Lump sum	1	\$ 75,000	\$	75,000
5710 Total						\$	88,520
5720	Machinery & Equipment	Power Tools (Cordless Drill, Drill etc.)	Lump sum	1	\$ 1,000	\$	1,000
5720	Machinery & Equipment	Hand Tools	Lump sum	1	\$ 2,000	\$	2,000
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	\$ 1,150	\$	1,150
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
5720	Machinery & Equipment	Hedge trimmer (Heavy duty)	Each	1	\$ 400	\$	400
5720	Machinery & Equipment	Influent Actuator Couplers - LCWTP	Each	9	\$ 400	\$	3,600
5720	Machinery & Equipment	Portable Generators - Replacement	Each	2	\$ 2,250	\$	4,500
5720	Machinery & Equipment	Asphalt Crack Sealing Machine	Each	1	\$ 1,400	\$	1,400
5720	Machinery & Equipment	Equipment tires	Lump sum	1	\$ 3,216	\$	3,216
5720 Total						\$	62,391
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
5810	General Supplies	Furniture	Lump sum	1	\$ 1,000	\$	1,000
5810	General Supplies	Flags/Repairs	Lump sum	1	\$ 260	\$	260

Fiscal Year 2018 General Expenditures Worksheet

Cost Center Name:	Maintenance (23)					
Last Update:						
04/17/17						

Account Number	Account Name	Description	Units	Quantity	Unit Price	Extended Amount
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	\$ 9,240	\$ 9,240
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	\$ 3,600	\$ 3,600
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	Gravel/landscape rock	Lump sum	1	\$ 3,000	\$ 3,000
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						\$ 100,316
5840	Chemicals	Boiler chemicals	Lump sum	1	\$ 5,000	\$ 5,000
5840	Chemicals	Acid, cleaning	Lump sum	1	\$ 600	\$ 600
5840 Total						\$ 5,600
5904	Rent Expense	Track hoe	Each	3	\$ 1,150	\$ 3,450
5904	Rent Expense	Dozer/Ripper	Weekly	2	\$ 2,140	\$ 4,280
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						\$ 15,230
5906	Postage & Freight Expense	Postage & Freight Expense	Lump sum	1	\$ -	\$ -
5906 Total						\$ -
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	11	\$ 30	\$ 330
5913	Safety	Safety Glasses, Goggles	Lump sum	5	\$ 200	\$ 1,000
5913	Safety	PPE (Personal Protective Equipment) - Miscellaneous	Lump sum	1	\$ 580	\$ 580
5913	Safety	Hard Hats	Each	6	\$ 27	\$ 162
5913	Safety	Rain Gear	Each	12	\$ 77	\$ 924
5913	Safety	Barricades, Signs & Traffic Cones	Lump sum	1	\$ 500	\$ 500
5913 Total						\$ 5,821
5916	Dues & Membership	Membership Renewals (Backflow Prevention - APWA)	Each	2	\$ 55	\$ 110
5916	Dues & Membership	Certification Testing	Each	7	\$ 100	\$ 700
5916	Dues & Membership	CDL Certification	Each	4	\$ 175	\$ 700
5916 Total						\$ 1,510

Metropolitan Water District of Salt Lake & Sandy

Fiscal Year 2018

INFORMATION SERVICES (24)

Last Update:

02/22/17

Account	Description	Actual FY 2014	Actual FY 2015	Actual FY 2016	3-Year Average (FY 2014-2016)	Budget FY 2017	Actual 1/31/2017	% of Total Spent YTD FY 2017	% of Total Spent YTD 3-year average	Projected Spend FY 2017	Projected Spend over/(under) for FY 2017	Budget FY 2018	% Change from FY 2017 Budget
5110	Salary & Wage Exp.	929,262	903,588	1,009,337	947,396	1,067,330	609,865	57.14%	55.87%	1,080,878	13,548	1,113,421	4.32%
5120	Overtime Premium	3,491	1,622	3,019	2,711	2,878	810	28.13%	61.77%	1,910	(968)	2,711	-5.80%
5170	On Call Pay	5,481	5,484	5,490	5,485	5,475	3,075	56.16%	57.03%	5,428	(47)	5,475	0.00%
5190	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5210	Payroll Taxes	75,084	72,734	79,316	75,711	83,168	46,601	56.03%	55.80%	83,361	193	86,808	4.38%
	Salaries and Wages	1,013,318	983,428	1,097,162	1,031,303	1,158,851	660,351	56.98%		1,171,577	12,726	1,208,415	4.28%
5310	Retirement Plan	178,035	186,508	215,365	193,303	224,627	130,356	58.03%	58.13%	224,407	(220)	236,827	5.43%
5320	Medical Insurance Premiums	235,401	235,066	235,458	235,308	279,298	158,428	56.72%	58.22%	275,119	(4,179)	303,793	8.77%
5330	Tuition Aid Program	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5350	Insurance Premiums	7,765	7,542	7,486	7,598	8,754	4,597	52.52%	58.22%	8,255	(499)	8,072	-7.79%
	Employee Benefits	421,201	429,116	458,309	436,209	512,679	293,381	57.23%		507,781	(4,898)	548,692	7.02%
5340	Meetings & Seminars	5,394	7,680	4,942	6,005	17,557	947	5.40%	31.83%	12,916	(4,641)	17,529	-0.16%
	Employee Training	5,394	7,680	4,942	6,005	17,557	947	5.39%		12,916	(4,641)	17,529	-0.16%
5410	Business Travel	2,550	13,277	7,189	7,672	19,560	5,162	26.39%	43.12%	16,288	(3,272)	18,000	-7.98%
5430	Vehicle O & M	102	520	946	523	774	710	91.70%	54.36%	1,063	289	1,065	37.55%
	Transportation	2,652	13,797	8,135	8,195	20,334	5,872	28.88%		17,351	(2,983)	19,065	-6.24%
5510	Legal	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5520	Accounting	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5530	Contract Services	296,120	249,695	293,984	279,933	370,350	78,136	21.10%	39.56%	301,976	(68,374)	338,730	-8.54%
5540	Other	10,248	19,193	23,118	17,520	25,480	14,156	55.56%	76.02%	20,266	(5,214)	25,480	0.00%
	Professional Services	306,368	268,888	317,102	297,453	395,830	92,292	23.32%		322,242	(73,588)	364,210	-7.99%
5610	Telephone	6,321	6,240	6,470	6,344	7,350	3,850	52.38%	57.81%	6,951	(399)	6,720	-8.57%
5620	Electricity	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5630	Natural Gas	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5640	Radio Communications	19,134	7,291	7,810	11,412	17,800	4,584	25.75%	90.83%	6,216	(11,584)	11,412	-35.89%
5650	Water	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Utilities	25,455	13,531	14,280	17,756	25,150	8,434	33.53%		13,167	(11,983)	18,132	-27.90%
5710	Bldgs & Grounds	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5720	Machinery & Equipment	166,149	149,002	145,493	153,548	165,153	127,343	77.11%	45.92%	216,658	51,505	165,096	-0.03%
	Repairs and Maintenance	166,149	149,002	145,493	153,548	165,153	127,343	77.11%		216,658	51,505	165,096	-0.03%
5810	General Supplies	6,154	5,196	5,638	5,663	5,300	2,549	48.10%	59.02%	4,721	(579)	5,300	0.00%
5820	Office Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5830	Materials	49,654	59,023	53,339	54,005	48,732	17,506	35.92%	46.84%	43,412	(5,320)	48,732	0.00%
5840	Chemicals	14,998	16,578	8,454	13,343	16,210	9,430	58.18%	62.45%	15,517	(693)	14,792	-8.75%
5850	Computer & Instr. Supplies	104,279	100,465	97,894	100,879	104,789	76,455	72.96%	55.00%	123,610	18,821	104,784	0.00%
	Chemicals and Supplies	175,085	181,262	165,325	173,890	175,031	105,940	60.53%		187,260	12,229	173,608	-0.81%
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	1,645	1,849	1,960	1,818	2,080	1,177	56.58%	71.93%	1,761	(319)	1,905	-8.41%
5913	Safety	1,418	2,366	4,111	2,632	4,403	787	17.86%	56.49%	2,702	(1,701)	4,303	-2.27%
5914	Subscriptions & Publications	174	-	-	58	379	-	0.00%	77.57%	85	(294)	379	0.00%
5915	Outside Printing	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5916	Dues & Memberships	500	500	-	333	750	1,150	153.33%	100.00%	1,150	400	1,000	33.33%
5917	Amortization Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Other Expenses	3,737	4,715	6,071	4,841	7,612	3,114	40.91%		5,698	(1,914)	7,587	-0.33%
	Total Expenses	2,119,359	2,051,419	2,216,819	2,129,200	2,478,197	1,297,674	52.36%		2,454,650	(23,547)	2,522,334	1.78%
					Excluding personnel costs	806,667						765,227	-5.14%

Fiscal Year 2018 General Expenditures Worksheet

Fiscal Year 2018 General Expenditures Worksheet							
Cost Center Name:		Information Services (24)					
Last Update:							
02/22/17							
Account Number	Account Name	Description	Units	Quantity	Unit Price	Extended Amount	
5110	Salary and Wage Expense	Salary and wages (14 FTEs)	Pay Period	26	\$ 42,824	\$	1,113,421
5110 Total						\$	1,113,421
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	\$ 3,339	\$	86,808
5210 Total						\$	86,808
5310	Retirement Plan	URS (Utah Retirement Systems) Contribution and Employer Match	Pay Period	26	\$ 9,109	\$	236,827
5310 Total						\$	236,827
5320	Medical Insurance Premiums	Insurance premiums (Dental, Medical, and H.S.A. Contribution)	Monthly	12	\$ 25,316	\$	303,793
5320 Total						\$	303,793
5350	Insurance Premiums	AD&D, Basic Life, Long Term Disability, etc.	Monthly	12	\$ 673	\$	8,072
5350 Total						\$	8,072
5340	Meetings & Seminars	Process Control/Supervisory Control And Data Acquisition (PC/S) configuration and maintenance training	Each	3	\$ 2,164	\$	6,492
5340	Meetings & Seminars	Cisco and Microsoft training and certifications	Each	1	\$ 1,800	\$	1,800
5340	Meetings & Seminars	Cyber security training	Each	1	\$ 1,200	\$	1,200
5340	Meetings & Seminars	Instrumentation, control system, and electrical system safety, troubleshooting, maintenance, and calibration	Each	4	\$ 1,059	\$	4,237
5340	Meetings & Seminars	Electrical code training	Each	2	\$ 1,500	\$	3,000
5340	Meetings & Seminars	Operator Certification Renewals	Each	5	\$ 100	\$	500
5340	Meetings & Seminars	Refreshments for IS meetings and training	Lump sum	1	\$ 300	\$	300
5340 Total						\$	17,529
5410	Business Travel	PC/S and Enterprise cyber security training and certifications	Each	3	\$ 3,000	\$	9,000
5410	Business Travel	PC/S and Enterprise virtual machine training	Each	2	\$ 3,750	\$	7,500
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	\$ 0.535	\$	1,065
5430 Total						\$	1,065
5530	Contract Services	AutoCAD renewal (1 full license)	Each	1	\$ 550	\$	550
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	\$ 5,000	\$	5,000
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	Each	2	\$ 170	\$	340
5530	Contract Services	Virtual machine server administration and data backup software renewals and additional licenses	Lump sum	1	\$ 15,500	\$	15,500
5530	Contract Services	Remote administration software renewal	Lump sum	1	\$ 3,290	\$	3,290
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	\$ 200	\$	200
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	\$ 22,500	\$	22,500
5530	Contract Services	Enterprise Asset Management (EAM) software renewal	Lump sum	1	\$ 7,200	\$	7,200
5530	Contract Services	New server operating system licenses	Each	10	\$ 1,300	\$	13,000
5530	Contract Services	Desktop PC operating system, server client access, and office software license renewals, upgrades, and purchases	Lump sum	1	\$ 8,550	\$	8,550
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	\$ 8,000	\$	8,000
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	\$ 37,000	\$	37,000
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	\$ 10,000	\$	10,000
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	\$ 14,000	\$	14,000
5530	Contract Services	Telephone system maintenance, ISP services, and Web hosting services	Lump sum	1	\$ 14,700	\$	14,700
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	\$ 17,000	\$	17,000
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						\$	338,730
5540	Other	SCS maintenance and support services	Lump sum	1	\$ 17,680	\$	17,680
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	20	\$ 30	\$	600
5540 Total						\$	25,480
5610	Telephone	Mobile phone allowances (14)	Monthly	12	\$ 560	\$	6,720

Fiscal Year 2018 General Expenditures Worksheet

Cost Center Name: Information Services (24)						
Last Update:						
02/22/17						
Account Number	Account Name	Description	Units	Quantity	Unit Price	Extended Amount
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	\$ 500	\$ 6,000
5640	Radio Communications	Utah Communication Agency Network (UCAN) services	Monthly	12	\$ 233	\$ 2,790
5640	Radio Communications	PC/S RTU and other District licensed radio equipment repairs and replacements	Lump sum	1	\$ 2,622	\$ 2,622
5640 Total						\$ 11,412
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	\$ 14,540	\$ 14,540
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	\$ 155	\$ 3,875
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	8	\$ 155	\$ 1,240
5720	Machinery & Equipment	PC/S controls replacement parts, repairs, and accessories (batteries, relays, power backup, and electrical controls components, etc.)	Lump sum	1	\$ 18,530	\$ 18,530
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	10	\$ 76.8	\$ 768
5830	Materials	LED light ballasts	Lump sum	1	\$ 5,000	\$ 5,000
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	4	\$ 201	\$ 804
5830 Total						\$ 48,732
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	\$ 1,920	\$ 1,920
5850	Computer & Instr. Supplies	Desktop computer--4 end of life replacements	Each	4	\$ 950	\$ 3,800
5850	Computer & Instr. Supplies	Thin client computer--9 end of life replacements	Each	9	\$ 180	\$ 1,620
5850	Computer & Instr. Supplies	Tablet computer--new and replacements	Each	2	\$ 300	\$ 600
5850	Computer & Instr. Supplies	Laptop computer--replacement	Each	1	\$ 1,500	\$ 1,500
5850	Computer & Instr. Supplies	Desktop computer monitors--9 end of life replacements	Each	9	\$ 650	\$ 5,850
5850	Computer & Instr. Supplies	Replacement server computers (PC/S, Enterprise, and SCS)	Each	4	\$ 4,000	\$ 16,000
5850	Computer & Instr. Supplies	Server computer replacement parts and upgrades (memory, power supplies, network accessories, etc.--PC/S, Enterprise, and SCS)	Lump sum	1	\$ 19,230	\$ 19,230
5850	Computer & Instr. Supplies	Server computer replacement hard drives (PC/S, Enterprise, and SCS)	Lump sum	1	\$ 14,400	\$ 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	\$ 6,874	\$ 6,874
5850	Computer & Instr. Supplies	PC/S, Enterprise, and SCS network hardware and parts (new and replacements)	Lump sum	1	\$ 23,110	\$ 23,110
5850	Computer & Instr. Supplies	PC/S, Enterprise, and SCS network security equipment (new and replacements)	Lump sum	1	\$ 4,400	\$ 4,400
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	\$ 800	\$ 800
5850	Computer & Instr. Supplies	Printer equipment replacements	Lump sum	1	\$ 400	\$ 400
5850	Computer & Instr. Supplies	Phone system hardware--new and replacement parts	Lump sum	1	\$ 4,200	\$ 4,200
5850 Total						\$ 104,784
5911	Laundry	Uniforms	Lump sum	1	\$ 1,905	\$ 1,905
5911 Total						\$ 1,905
5913	Safety	Safety shoes (15 FTEs)	Employee	14	\$ 100	\$ 1,400
5913	Safety	Arc flash electrical safety tools	Lump sum	1	\$ 700	\$ 700
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 2018

ENGINEERING (25)

Last Update:

04/17/17

Account	Description	Actual FY 2014	Actual FY 2015	Actual FY 2016	3-Year Average (FY 2014-2016)	Budget FY 2017	Actual 1/31/2017	% of Total Spent YTD FY 2017	% of Total Spent YTD 3-year average	Projected Spend FY 2017	Projected Spend over/(under) for FY 2017	Budget FY 2018	% Change from FY 2017 Budget
5110	Salary & Wage Exp.	315,434	318,307	342,522	325,421	402,489	222,780	55.35%	56.48%	397,943	(4,546)	566,963	40.86%
5120	Overtime Premium	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5160	Vehicle Allowance	-	-	1,020	340	-	-	N/A	58.33%	-	-	-	N/A
5210	Payroll Taxes	24,549	25,054	26,532	25,378	31,416	17,271	54.98%	56.30%	31,000	(416)	44,374	41.25%
	Salaries and Wages	339,983	343,361	370,074	351,139	433,905	240,051	55.32%		428,943	(4,962)	611,337	40.89%
5310	Retirement Plan	62,482	68,362	75,530	68,791	86,414	47,732	55.24%	59.09%	83,084	(3,330)	120,646	39.61%
5320	Medical Insurance Premiums	75,191	80,335	80,100	78,542	109,607	54,318	49.56%	58.19%	100,145	(9,462)	166,402	51.82%
5330	Tuition Aid Program	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5350	Insurance Premiums	2,260	2,237	2,314	2,270	3,137	1,539	49.07%	57.78%	2,864	(273)	4,612	47.03%
	Employee Benefits	139,933	150,934	157,944	149,603	199,158	103,589	52.01%		186,093	(13,065)	291,660	46.45%
5340	Meetings & Seminars	356	835	1,164	785	1,000	112	11.23%	53.40%	578	(422)	950	-5.00%
	Employee Training	356	835	1,164	785	1,000	112	11.20%		578	(422)	950	-5.00%
5410	Business Travel	4,271	1,096	2,219	2,529	5,750	-	0.00%	65.01%	2,012	(3,738)	2,400	-58.26%
5430	Vehicle O & M	1,717	2,151	1,349	1,739	1,000	765	76.54%	49.99%	1,265	265	1,200	20.00%
	Transportation	5,988	3,247	3,568	4,268	6,750	765	11.33%		3,277	(3,473)	3,600	-46.67%
5510	Legal	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5520	Accounting	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5530	Contract Services	126,535	136,247	109,854	124,212	167,900	63,095	37.58%	41.66%	161,047	(6,853)	161,750	-3.66%
5540	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Professional Services	126,535	136,247	109,854	124,212	167,900	63,095	37.58%		161,047	(6,853)	161,750	-3.66%
5610	Telephone	2,019	2,055	1,680	1,918	2,600	1,160	44.62%	63.50%	2,109	(491)	4,040	55.38%
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	2,019	2,055	1,680	1,918	2,600	1,160	44.62%		2,109	(491)	4,040	55.38%
5710	Bldgs & Grounds	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5720	Machinery & Equipment	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Repairs and Maintenance	-	-	-	-	-	-	N/A		-	-	-	N/A
5810	General Supplies	151	98	-	83	-	380	N/A	60.61%	380	380	1,500	N/A
5820	Office Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
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	151	98	-	83	-	380	N/A		380	380	1,500	N/A
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.	367	310	-	226	500	-	0.00%	0.00%	500	-	1,000	100.00%
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	374	438	201	338	250	-	0.00%	19.86%	200	(50)	775	210.00%
5913	Safety	300	385	90	258	500	-	0.00%	0.00%	500	-	1,400	180.00%
5914	Subscriptions & Publications	-	169	166	112	500	-	0.00%	28.79%	356	(144)	500	0.00%
5915	Outside Printing	544	547	22	371	600	-	0.00%	2.53%	585	(15)	1,200	100.00%
5916	Dues & Memberships	461	654	1,462	859	919	690	75.08%	43.89%	1,206	287	500	-45.59%
5917	Amortization Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Other Expenses	2,046	2,503	1,941	2,164	3,269	690	21.11%		3,347	78	5,375	64.42%
	Total Expenses	617,011	639,280	646,225	634,172	814,582	409,842	50.31%		785,774	(28,808)	1,080,212	32.61%
					Excluding personnel costs	181,519						177,215	-2.37%

Fiscal Year 2018 General Expenditures Worksheet

Fiscal Year 2018 General Expenditures Worksheet							
Cost Center Name:		Engineering (25)					
Last Update:							
04/17/17							
Account Number	Account Name	Description	Units	Quantity	Unit Price	Extended Amount	
5110	Salary and Wage Expense	Salary and wages (8 FTEs)	Pay Period	26	\$ 21,806.29	\$	566,963
5110 Total						\$	566,963
5210	Payroll Taxes	Employer Portion of Payroll Taxes	Pay Period	26	\$ 1,707	\$	44,374
5210 Total						\$	44,374
5310	Retirement Plan	URS (Utah Retirement Systems) Contribution and Employer Match	Pay Period	26	\$ 4,640	\$	120,646
5310 Total						\$	120,646
5320	Medical Insurance Premiums	Insurance premiums (Dental, Medical, and H.S.A. Contribution)	Monthly	12	\$ 13,867	\$	166,402
5320 Total						\$	166,402
5350	Insurance Premiums	AD&D, Basic Life, Long Term Disability, etc.	Monthly	12	\$ 384	\$	4,612
5350 Total						\$	4,612
5340	Meetings & Seminars	Local Seminars	Lump sum	1	\$ 750	\$	750
5340	Meetings & Seminars	Operator Certification Renewals	Each	2	\$ 100	\$	200
5340 Total						\$	950
5410	Business Travel	AWWA Intermountain Section	Each	1	\$ 1,200	\$	1,200
5410	Business Travel	Utah Water Users Workshop	Each	1	\$ 1,200	\$	1,200
5410 Total						\$	2,400
5430	Vehicle O&M	Mileage reimbursement	Miles	2243	\$ 0.535	\$	1,200
5430 Total						\$	1,200
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
5530	Contract Services	Blue Stakes	Monthly	12	\$ 500	\$	6,000
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						\$	161,750
5610	Telephone	Mobile Phone Allowances (8)	Monthly	12	\$ 320	\$	3,840
5610	Telephone	Allowance for cell phone replacement/parts	Lump sum	1	\$ 200	\$	200
5610 Total						\$	4,040
5810	General Supplies	Aqueduct Inspector Supplies	Lump sum	1	\$ 1,000	\$	1,000
5810	General Supplies	Office Furniture	Lump sum	1	\$ 500	\$	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, Coveralls & 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
5916 Total						\$	500

Metropolitan Water District of Salt Lake & Sandy

Fiscal Year 2018

ENVIRONMENTAL SERVICES (50)

Last Update:

02/22/17

Account	Description	Actual FY 2014	Actual FY 2015	Actual FY 2016	3-Year Average (FY 2014-2016)	Budget FY 2017	Actual 1/31/2017	% of Total Spent YTD FY 2017	% of Total Spent YTD 3-year average	Projected Spend FY 2017	Projected Spend to Budget over/(under) for FY 2017	Budget FY 2018	% Change from FY 2017 Budget
5110	Salary & Wage Exp.	526,624	529,696	488,276	514,865	384,501	215,345	56.01%	60.19%	368,415	(16,086)	396,024	3.00%
5120	Overtime Premium	415	1,116	1,195	909	1,038	1,042	100.38%	65.22%	1,403	365	910	-12.33%
5170	On Call Pay	75	-	-	25	150	-	0.00%	100.00%	-	(150)	-	-100.00%
5190	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5210	Payroll Taxes	41,072	40,908	36,564	39,515	30,256	16,668	55.09%	59.85%	28,815	(1,441)	31,117	2.84%
	Salaries and Wages	568,186	571,720	526,035	555,314	415,945	233,055	56.03%		398,633	(17,312)	428,051	2.91%
5310	Retirement Plan	103,690	110,897	105,993	106,860	81,283	45,927	56.50%	62.69%	76,254	(5,029)	83,663	2.93%
5320	Medical Insurance Premiums	124,995	138,793	115,650	126,479	90,461	51,898	57.37%	60.21%	87,892	(2,569)	98,098	8.44%
5330	Tuition Aid Program	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5350	Insurance Premiums	5,083	4,893	4,475	4,817	3,707	1,916	51.70%	60.17%	3,393	(314)	3,459	-6.68%
	Employee Benefits	233,768	254,583	226,118	238,156	175,451	99,741	56.85%		167,539	(7,912)	185,220	5.57%
5340	Meetings & Seminars	2,182	1,873	1,169	1,741	1,950	1,123	57.61%	69.98%	1,709	(241)	1,650	-15.38%
	Employee Training	2,182	1,873	1,169	1,741	1,950	1,123	57.59%		1,709	(241)	1,650	-15.38%
5410	Business Travel	7,280	5,893	4,405	5,859	7,400	3,392	45.84%	100.00%	3,392	(4,008)	6,000	-18.92%
5430	Vehicle O & M	370	458	151	326	108	98	90.55%	24.18%	180	72	107	-0.93%
	Transportation	7,650	6,351	4,556	6,185	7,508	3,490	46.48%		3,572	(3,936)	6,107	-18.66%
5510	Legal	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5520	Accounting	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5530	Contract Services	74,238	45,873	53,467	57,859	77,207	23,762	30.78%	46.25%	65,261	(11,946)	71,305	-7.64%
5540	Other	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Professional Services	74,238	45,873	53,467	57,859	77,207	23,762	30.78%		65,261	(11,946)	71,305	-7.64%
5610	Telephone	1,816	1,915	1,723	1,818	1,280	709	55.35%	59.06%	1,233	(47)	1,080	-15.63%
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	1,816	1,915	1,723	1,818	1,280	709	55.39%		1,233	(47)	1,080	-15.63%
5710	Bldgs & Grounds	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5720	Machinery & Equipment	15,859	10,966	7,418	11,414	14,000	7,503	53.59%	39.19%	16,017	2,017	12,000	-14.29%
	Repairs and Maintenance	15,859	10,966	7,418	11,414	14,000	7,503	53.59%		16,017	2,017	12,000	-14.29%
5810	General Supplies	2,161	214	348	908	1,100	-	0.00%	65.14%	383	(717)	908	-17.45%
5820	Office Supplies	-	-	-	-	-	44	N/A	0.00%	44	44	-	N/A
5830	Materials	37,149	34,460	42,334	37,981	38,500	16,838	43.73%	41.12%	39,506	1,006	38,000	-1.30%
5840	Chemicals	45,324	50,758	34,055	43,379	52,300	31,616	60.45%	63.06%	50,936	(1,364)	51,000	-2.49%
5850	Computer & Instr. Supplies	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Chemicals and Supplies	84,634	85,432	76,737	82,268	91,900	48,498	52.77%		90,869	(1,031)	89,908	-2.17%
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.	635	484	370	496	-	-	N/A	72.07%	-	-	-	N/A
5907	Contributions & Events	101,253	103,084	107,358	103,898	-	-	N/A	38.02%	-	-	-	N/A
5909	Depreciation Expense	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5910	Interest Expense	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5911	Laundry	1,563	2,015	1,582	1,720	2,000	349	17.44%	70.01%	949	(1,051)	1,300	-35.00%
5913	Safety	1,829	1,260	668	1,252	2,000	293	14.64%	39.39%	1,505	(495)	1,600	-20.00%
5914	Subscriptions & Publications	285	-	519	268	400	66	16.50%	73.45%	172	(228)	300	-25.00%
5915	Outside Printing	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
5916	Dues & Memberships	174	178	345	232	178	286	160.67%	100.00%	286	108	186	4.49%
5917	Amortization Exp.	-	-	-	-	-	-	N/A	0.00%	-	-	-	N/A
	Other Expenses	105,739	107,021	110,842	107,867	4,578	994	21.71%		2,912	(1,666)	3,386	-26.04%
	Total Expenses	1,094,072	1,085,734	1,008,065	1,062,622	789,819	418,875	53.03%		747,745	(42,074)	798,707	1.13%
					Excluding personnel costs		198,423					185,436	-6.55%

Fiscal Year 2018 General Expenditures Worksheet

Fiscal Year 2018 General Expenditures Worksheet							
Cost Center Name:		Environmental Services (50)					
Last Update:							
02/22/17							
Account Number	Account Name	Description	Units	Quantity	Unit Price	Extended Amount	
5110	Salary and Wage Expense	Salary and wages (6 FTEs)	Pay Period	26	\$ 15,232	\$	396,024
5110 Total						\$	396,024
5120	Overtime Premium	Overtime premium	Pay Period	26	\$ 35	\$	910
5120 Total						\$	910
5170	On Call Pay	On Call Pay	Daily	0	\$ 15	\$	-
5170 Total						\$	-
5210	Payroll Taxes	Employer Portion of Payroll Taxes	Pay Period	26	\$ 1,197	\$	31,117
5210 Total						\$	31,117
5310	Retirement Plan	URS (Utah Retirement Systems) Contribution and Employer Match	Pay Period	26	\$ 3,218	\$	83,663
5310 Total						\$	83,663
5320	Medical Insurance Premiums	Insurance premiums (Dental, Medical, and H.S.A. Contribution)	Monthly	12	\$ 8,175	\$	98,098
5320 Total						\$	98,098
5350	Insurance Premiums	AD&D, Basic Life, Long Term Disability, etc.	Monthly	12	\$ 288	\$	3,459
5350 Total						\$	3,459
5340	Meetings & Seminars	Local seminars	Each	1	\$ 350	\$	350
5340	Meetings & Seminars	Operator Certification Renewals	Each	5	\$ 100	\$	500
5340	Meetings & Seminars	Laboratory Certification Training Seminar	Each	3	\$ 100	\$	300
5340	Meetings & Seminars	Refreshments for Lab meetings	Lump sum	1	\$ 500	\$	500
5340 Total						\$	1,650
5410	Business Travel	AWWA WQTC	Each	1	\$ 2,500	\$	2,500
5410	Business Travel	Laboratory instrument specific training	Each	1	\$ 3,500	\$	3,500
5410 Total						\$	6,000
5430	Vehicle O&M	Mileage Reimbursement	Miles	200	\$ 0.535	\$	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	\$ 12,260	\$	12,260
5530	Contract Services	Inductively Coupled/Mass Spectrometer Service Contract	Lump sum	1	\$ 13,545	\$	13,545
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	\$ 12,000	\$	12,000
5530	Contract Services	Laboratory audits	Lump sum	1	\$ 4,000	\$	4,000
5530	Contract Services	Miscellaneous testing	Lump sum	1	\$ 3,000	\$	3,000
5530	Contract Services	Geosmin/MIB monitoring	Lump sum	1	\$ 2,000	\$	2,000
5530	Contract Services	Lab consulting services	Lump sum	1	\$ 5,000	\$	5,000
5530 Total						\$	71,305
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	\$ 8,000	\$	8,000
5720	Machinery & Equipment	Spare parts, equipment & instruments	Lump sum	1	\$ 4,000	\$	4,000
5720 Total						\$	12,000
5810	General Supplies	Furniture repair and replacement	Lump sum	1	\$ 908	\$	908
5810 Total						\$	908
5830	Materials	Laboratory materials	Lump sum	1	\$ 38,000	\$	38,000
5830 Total						\$	38,000
5840	Chemicals	Laboratory chemicals	Lump sum	1	\$ 51,000	\$	51,000
5840 Total						\$	51,000
5906	Postage & Freight Expense	Postage & Freight Expense	Lump sum	0	\$ -	\$	-
5906 Total						\$	-
5907	Contribution & Events	Grant Applications	Lump sum	0	\$ 2,500	\$	-
5907 Total						\$	-
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	\$ 186	\$	186
5916 Total						\$	186

**METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
 FY 2018 Provo River Water Users Association Budget Request**

Last Updated: 3/30/2017
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	\$ 126,485.00
Deer Creek Division construction repayment	shares	61,700	\$ 1.65000	\$ 101,805.00
Provo River Aqueduct (BOWR) repayment	lump sum	1	\$ 1,241,927.27	\$ 1,241,927.27
Provo River Aqueduct (BAF) repayment	lump sum	1	\$ 824,934.23	\$ 824,934.23
PRWUA O&M and capital assessment	shares	61,700	\$ 22.34	\$ 1,378,378
Provo River Aqueduct O&M by PRWUA	acre feet	20,239	\$ 9.04	\$ 182,913
Deer Creek Intake Station O&M by PRWUA	lump sum	1	\$ 124,144.53	\$ 124,145
Total				\$ 3,980,587

PRWUA total per share assessments--proposed	shares	61,700	\$ 26.04	\$ 1,606,668
PRWUA total per share assessments--current	shares	61,700	\$ 25.24	\$ 1,557,308
		Percent increase	3.17%	

Metropolitan Water District of Salt Lake & Sandy
FY 2018 Capital Budget
Last Updated: June 22, 2017

ROUTINE NON-CAPACITY IMPROVEMENT PROJECTS

Terminal Reservoir Replacement Project	\$	2,056,000
LCWTP Fluoride Storage	\$	300,000
LCWTP Roof Replacement - Administration Building	\$	172,500
Electrical Power Monitoring Upgrade	\$	415,000
Fleet Replacement Program	\$	207,000
Little Dell Dam Improvements	\$	100,000
Repair and Replace	\$	230,250
	Subtotal \$	3,480,750

OTHER CAPITAL IMPROVEMENT PROJECTS

Jordan Aqueduct System and 150th South Pipeline	\$	2,266,418
Central Utah Project (CUP) Capital	\$	2,971,200
	Subtotal \$	5,237,618

TOTAL	\$	8,718,368
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METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
FY 2018 Capital Budget Request

Last Updated: 6/22/2017 **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 constructed in 2016 and 2017 and is scheduled to be complete by November 2017. The phased implementation is done in order to maintain service to Salt Lake City.

Budget:

Description	Quantity	Unit Price	Extended Amount
Construction	1	\$ 1,981,885	\$ 1,981,885
Engineering Services During Construction	1	\$ -	\$ -
Materials Testing	1	\$ 8,875	\$ 8,875
Other Project Costs:			
Security Control Systems	1	\$ 65,240	\$ 65,240
			\$ -
Total			\$ 2,056,000

Fiscal Year Summary: (multi-year projects)

Spent (Prior to FY 2017)	Current Budget (FY 2017)	Proposed Budget (FY 2018)	Remaining (FY 2019)	Total Project
\$ 35,070,143	\$ 5,178,400	\$ 2,056,000	\$ -	\$ 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 2018 Capital Budget Request

Last Updated: 6/22/2017 **Account No.:** 1837-10
Department: E&M **Location:** LCWTP Site
Contact Name: Wayne Winsor **Request Type:** Non-Capacity Improvement Project

Title: LCWTP Fluoride Storage

Description: Fluoride storage safety and improvement project

Justification: An interim fluoride storage facility was built in 2003. At that time, the District was starting its Metro Water Project that had considered a post treatment chemical building, a portion of which was to house fluoride feed facilities. The planned post treatment chemical building is more than a decade from implementation. Fourteen years later, the existing system is in need of significant repairs, replacements (including enlarging the storage tank), and other safety considerations.

Budget:

Description	Quantity	Unit Price	Extended Amount
Construction	1	\$ 300,000	\$ 300,000
			\$ -
Total			\$ 300,000

**METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
 FY 2018 Capital Budget Request**

Last Updated: 1/30/2017 **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 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
Construction	1	\$ 172,500	\$ 172,500
			\$ -
Total			\$ 172,500

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
FY 2018 Capital Budget Request

Last Updated: 1/17/2017 **Account No.:** 1845-10
Department: IS **Location:** LCWTP Site
Contact Name: Mike DeVries **Request Type:** Non-Capacity Improvement Project

Title: Electrical Power Monitoring Upgrade

Description: Update the LCWTP 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.

Budget:

Description	Quantity	Unit Price	Extended Amount
Construction	1	\$ 415,000	\$ 415,000
Total			\$ 415,000

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
FY 2018 Capital Budget Request

Last Updated: 1/17/2017 **Account No.:** 1840-10
Department: E&M **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 2018 Capital Budget Request**

Last Updated: 6/22/2017 **Account No.:** 1751-10
Department: Administrative **Location:** Other
Contact Name: Mike Wilson **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 2018				
Revenue Projections				
Last Update: June 22, 2017				
	Fiscal Year 2017 Adopted Budget	Actuals as of 1/31/2017	Estimated Actuals 6/30/2017	Fiscal Year 2018 Budget
Operating Revenues				
Water Sales				
Salt Lake City	\$14,789,476	\$8,627,194	\$14,789,476	\$15,528,950
Sandy City	\$5,470,080	\$3,190,880	\$5,470,080	\$5,743,584
Jordanelle Special Service District (JSSD)	\$100,000	\$100,000	\$100,000	\$200,000
Raw water sales plus conveyance to non-member entities	\$0	\$566,852	\$611,234	\$0
Treatment charges and conveyance fees for non-member entities	\$211,404	\$316,300	\$416,478	\$392,022
Total Operating Revenues	\$20,741,543	\$12,801,227	\$21,387,267	\$21,864,556
Other Revenues				
Tax Revenues				
Salt Lake City	\$7,398,972	\$6,385,915	\$7,258,007	\$7,285,250
Sandy City	\$2,377,073	\$2,324,163	\$2,466,233	\$2,389,459
Fees in Lieu of Taxes	\$455,054	\$296,019	\$481,578	\$481,578
Prior Years' Tax Revenue	\$185,315	\$121,633	\$227,002	\$227,002
Subtotal Tax Revenues	\$10,416,414	\$9,127,730	\$10,432,820	\$10,383,289
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)	\$1,016,457	\$592,933	\$1,016,457	\$1,017,092
Less: JSSD Revenue (see above)	\$100,000	\$100,000	\$100,000	\$200,000
Net Sandy City Ontario Drain Tunnel Assessment	\$916,457	\$492,933	\$916,457	\$817,092
Subtotal Assessment Revenues	\$12,148,671	\$7,045,058	\$12,148,671	\$12,049,306
Interest	\$132,227	\$220,752	\$359,266	\$218,630
Miscellaneous Revenue	\$15,000	\$822,729	\$822,729	\$148,400
Subtotal	\$196,374	\$1,043,481	\$1,181,994	\$367,030
Total Other Revenues	\$22,761,459	\$17,216,269	\$23,763,485	\$22,799,625
Total Revenue	\$43,503,002	\$30,017,496	\$45,150,753	\$44,664,181
Remaining to receive (Projected less actuals)	\$15,133,257			

Metropolitan Water District of Salt Lake & Sandy			
Fiscal Year 2018			
Reserve Funds			
Last Update: March 3, 2017			
Description	Category type	Approved FY 2017	Proposed FY 2018
Required Operations and Maintenance Reserve	Restricted	\$3,556,365	\$3,570,739
Required Capital Projects Reserve	Restricted	\$650,000	\$650,000
Jordan Aqueduct Reserve	Restricted	\$40,357	\$40,720
JVWTP O&M Reserve	Restricted	\$20,000	\$20,000
150th South Pipeline Agreement	Restricted	\$33,106	\$33,404
Capital Projects Reserve	Assigned	\$3,468,155	\$3,446,460
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	N/A	\$392,839
Unassigned Reserves	Unassigned	\$5,602,761	\$11,948,689
Totals		\$18,655,610	\$25,387,718
Metropolitan Water District of Salt Lake & Sandy			
Fiscal Year 2018			
Debt Service Coverage on Outstanding Bonds			
Last Update: March 3, 2017			
Budgeted O&M Expenses	\$35,578,184		
Less: Interest expense, depreciation, and amortization	\$19,609,792		
Adjusted O&M Expense	\$15,968,392		
Budgeted Revenues	\$44,664,181		
Less: adjusted O&M Expense	\$15,968,392		
Funds Available for Debt Service Payments	\$28,695,789		
Debt Service Payments	\$16,586,791		
Coverage (funds available/debt service payments)	1.73		
Minimum coverage required	1.15		

Metropolitan Water District of Salt Lake & Sandy		
Fee Schedule Fiscal Year 2018		
Last update: March 30, 2017		
Description	FY 2017 Approved	FY 2018 Proposed
Water charges to Member Cities		
Total treated water sales/conveyance revenue from member cities	\$20,259,556	\$21,272,534
To Salt Lake City (73% of total water sales based on five-year average; amount not to exceed 65,000 af)	\$14,789,476	\$15,528,950
To Sandy City (27% of total water sales based on five-year average; amount not to exceed 25,000 af)	\$5,470,080	\$5,743,584
To be billed monthly		
To Salt Lake City	\$1,232,456	\$1,294,079
To Sandy City	\$455,840	\$478,632
Water rates to non-member entities		
Conveyance fee (per acre foot)	\$21	\$21
Untreated water (based on availability as determined by GM; per acre foot)	\$110	\$110
Treatment charge (per acre foot)	\$295	\$310
Pumping surcharge if Salt Lake Aqueduct is at capacity (applicable as determined by GM; per acre foot)	\$68	\$70
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)	\$2,000*	\$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)	\$0.25	\$0.25
Research Fee (hourly)	\$25	\$25
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: June 22, 2017														
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)	1.76%	7.19%	11.69%					7.19%	11.69%					
2017	\$ 13,925,461	\$ 12.00	\$ 3.00	\$ 300,000	\$ 3,271,200	20,000	\$ 163.56							\$ 14,225,461
2018	\$ 13,882,956	\$ 12.72	\$ 7.28	\$ 400,000	\$ 3,371,200	20,000	\$ 168.56							\$ 14,282,956
2019	\$ 14,127,296	\$ 13.49	\$ 16.51	\$ 600,000	\$ 3,571,200	20,000	\$ 178.56							\$ 14,727,296
2020	\$ 14,375,936	\$ 14.29	\$ 25.71	\$ 800,000	\$ 3,771,200	20,000	\$ 188.56							\$ 15,175,936
2021	\$ 14,628,952	\$ 15.15	\$ 34.85	\$ 1,000,000	\$ 3,971,200	20,000	\$ 198.56	\$ 15.15	\$ 34.85	\$ 280,000	\$ 2,724,342	5,600	\$ 486.49	\$ 15,908,952
2022	\$ 14,886,422	\$ 16.24	\$ 38.92	\$ 1,103,200	\$ 4,074,400	20,000	\$ 203.72	\$ 16.24	\$ 38.92	\$ 308,896	\$ 2,753,238	5,600	\$ 491.65	\$ 16,298,518
2023	\$ 15,148,423	\$ 17.41	\$ 43.47	\$ 1,217,600	\$ 4,188,800	20,000	\$ 209.44	\$ 17.41	\$ 43.47	\$ 340,928	\$ 2,785,270	5,600	\$ 497.37	\$ 16,706,951
2024	\$ 15,415,053	\$ 18.66	\$ 48.55	\$ 1,344,200	\$ 4,315,400	20,000	\$ 215.77	\$ 18.66	\$ 48.55	\$ 376,376	\$ 2,820,718	5,600	\$ 503.70	\$ 17,135,611
2025	\$ 15,686,340	\$ 20.00	\$ 54.23	\$ 1,484,600	\$ 4,455,800	20,000	\$ 222.79	\$ 20.00	\$ 54.23	\$ 415,688	\$ 2,860,050	5,600	\$ 510.72	\$ 17,586,628
2026	\$ 15,962,420	\$ 21.44	\$ 60.57	\$ 1,640,200	\$ 4,611,400	20,000	\$ 230.57	\$ 21.44	\$ 60.57	\$ 459,256	\$ 2,903,598	5,600	\$ 518.50	\$ 18,061,876
2027	\$ 16,243,359	\$ 22.98	\$ 67.65	\$ 1,812,600	\$ 4,783,800	20,000	\$ 239.19	\$ 22.98	\$ 67.65	\$ 507,528	\$ 2,951,870	5,600	\$ 527.12	\$ 18,563,487
2028	\$ 16,529,242	\$ 24.63	\$ 75.56	\$ 2,003,800	\$ 4,975,000	20,000	\$ 248.75	\$ 24.63	\$ 75.56	\$ 561,064	\$ 3,005,406	5,600	\$ 536.68	\$ 19,094,106
2029	\$ 16,820,157	\$ 26.40	\$ 84.39	\$ 2,215,800	\$ 5,187,000	20,000	\$ 259.35	\$ 26.40	\$ 84.39	\$ 620,424	\$ 3,064,766	5,600	\$ 547.28	\$ 19,656,381
2030	\$ 17,116,192	\$ 28.30	\$ 94.26	\$ 2,451,200	\$ 5,422,400	20,000	\$ 271.12	\$ 28.30	\$ 94.26	\$ 686,336	\$ 3,130,678	5,600	\$ 559.05	\$ 20,253,728
2031	\$ 17,417,437	\$ 30.33	\$ 105.28	\$ 2,712,200	\$ 5,683,400	20,000	\$ 284.17	\$ 30.33	\$ 105.28	\$ 759,416	\$ 3,203,758	5,600	\$ 572.10	\$ 20,889,053
2032	\$ 17,723,984	\$ 32.51	\$ 117.59	\$ 3,002,000	\$ 5,973,200	20,000	\$ 298.66	\$ 32.51	\$ 117.59	\$ 840,560	\$ 3,284,902	5,600	\$ 586.59	\$ 21,566,544
2033	\$ 18,035,926	\$ 34.85	\$ 131.34	\$ 3,323,800	\$ 6,295,000	20,000	\$ 314.75	\$ 34.85	\$ 131.34	\$ 930,664	\$ 3,375,006	5,600	\$ 602.68	\$ 22,390,390
2034	\$ 18,353,358	\$ 37.36	\$ 146.69	\$ 3,681,000	\$ 6,652,200	20,000	\$ 332.61	\$ 37.36	\$ 146.69	\$ 1,030,680	\$ 3,475,022	5,600	\$ 620.54	\$ 23,065,038
2035	\$ 18,676,377	\$ 40.05	\$ 163.84	\$ 4,077,800	\$ 7,049,000	20,000	\$ 352.45	\$ 40.05	\$ 163.84	\$ 1,141,784	\$ 3,586,126	5,600	\$ 640.38	\$ 23,895,961
2036	\$ 19,005,081	\$ 42.93	\$ 182.99	\$ 4,518,400	\$ 7,489,600	20,000	\$ 374.48	\$ 42.93	\$ 182.99	\$ 1,265,152	\$ 3,709,494	5,600	\$ 662.41	\$ 24,788,633
2037	\$ 19,339,570	\$ 46.02	\$ 204.38	\$ 5,008,000	\$ 7,979,200	20,000	\$ 398.96	\$ 46.02	\$ 204.38	\$ 1,402,240	\$ 3,846,582	5,600	\$ 686.89	\$ 25,749,810
2038	\$ 19,679,946	\$ 49.33	\$ 228.27	\$ 5,552,000	\$ 8,523,200	20,000	\$ 426.16	\$ 49.33	\$ 228.27	\$ 1,554,560	\$ 3,998,902	5,600	\$ 714.09	\$ 26,786,506
2039	\$ 20,026,313	\$ 52.88	\$ 254.95	\$ 6,156,600	\$ 9,127,800	20,000	\$ 456.39	\$ 52.88	\$ 254.95	\$ 1,723,848	\$ 4,168,190	5,600	\$ 744.32	\$ 27,906,361
2040	\$ 20,378,776	\$ 56.68	\$ 284.75	\$ 6,828,600	\$ 9,799,800	20,000	\$ 489.99	\$ 56.68	\$ 284.75	\$ 1,912,008	\$ 4,356,350	5,600	\$ 777.92	\$ 29,119,784
2041	\$ 20,737,442	\$ 60.76	\$ 318.04	\$ 7,576,000	\$ 10,547,200	20,000	\$ 527.36	\$ 60.76	\$ 318.04	\$ 2,121,280	\$ 4,565,622	5,600	\$ 815.29	\$ 30,434,722
2042	\$ 21,102,421	\$ 65.13	\$ 355.22	\$ 8,407,000	\$ 11,378,200	20,000	\$ 568.91	\$ 65.13	\$ 355.22	\$ 2,353,960	\$ 4,798,302	5,600	\$ 856.84	\$ 31,863,381
2043	\$ 21,473,824	\$ 69.81	\$ 396.75	\$ 9,331,200	\$ 12,302,400	20,000	\$ 615.12	\$ 69.81	\$ 396.75	\$ 2,612,736	\$ 5,057,078	5,600	\$ 903.05	\$ 33,417,760
2044	\$ 21,851,763	\$ 74.83	\$ 443.13	\$ 10,359,200	\$ 13,330,400	20,000	\$ 666.52	\$ 74.83	\$ 443.13	\$ 2,900,576	\$ 5,344,918	5,600	\$ 954.45	\$ 35,111,539
2045	\$ 22,236,354	\$ 80.21	\$ 494.93	\$ 11,502,800	\$ 14,589,600	20,000	\$ 723.91	\$ 80.21	\$ 494.93	\$ 3,220,784	\$ 5,665,126	5,600	\$ 1,011.63	\$ 36,959,938
2046	\$ 22,627,714	\$ 85.98	\$ 552.79	\$ 12,775,400	\$ 15,988,000	20,000	\$ 792.91	\$ 85.98	\$ 552.79	\$ 3,577,112	\$ 6,021,454	5,600	\$ 1,075.26	\$ 38,980,226
2047	\$ 23,025,962	\$ 92.16	\$ 617.41	\$ 14,191,400	\$ 17,579,800	20,000	\$ 868.99	\$ 92.16	\$ 617.41	\$ 3,973,592	\$ 6,417,934	5,600	\$ 1,146.06	\$ 41,190,954
2048	\$ 23,431,219	\$ 98.79	\$ 689.59	\$ 15,767,600	\$ 19,416,800	20,000	\$ 958.79	\$ 98.79	\$ 689.59	\$ 4,414,928	\$ 6,859,270	5,600	\$ 1,224.87	\$ 43,613,747
2049	\$ 23,843,608	\$ 105.89	\$ 770.20	\$ 17,521,800	\$ 21,521,800	20,000	\$ 1,065.89	\$ 105.89	\$ 770.20	\$ 4,906,104	\$ 7,350,446	5,600	\$ 1,312.58	\$ 46,271,512
2050	\$ 24,263,256	\$ 113.50	\$ 860.24	\$ 19,474,800	\$ 23,974,800	20,000	\$ 1,193.74	\$ 113.50	\$ 860.24	\$ 5,452,944	\$ 7,897,286	5,600	\$ 1,410.23	\$ 49,191,000
2051	\$ 24,690,289	\$ 121.66	\$ 960.80	\$ 21,649,200	\$ 26,699,200	20,000	\$ 1,348.46	\$ 121.66	\$ 960.80	\$ 6,061,776	\$ 8,506,118	5,600	\$ 1,518.95	\$ 52,401,265
2052	\$ 25,124,838	\$ 130.41	\$ 1,073.12	\$ 24,070,600	\$ 30,070,600	20,000	\$ 1,523.53	\$ 130.41	\$ 1,073.12	\$ 6,739,768	\$ 9,184,110	5,600	\$ 1,640.02	\$ 55,935,206
2053	\$ 25,567,035	\$ 139.79	\$ 1,198.57	\$ 26,767,200	\$ 34,267,200	20,000	\$ 1,728.36	\$ 139.79	\$ 1,198.57	\$ 7,494,816	\$ 9,939,158	5,600	\$ 1,774.85	\$ 59,829,051
2054	\$ 26,017,015	\$ 149.84	\$ 1,338.68	\$ 29,770,400	\$ 39,270,400	20,000	\$ 1,958.52	\$ 149.84	\$ 1,338.68	\$ 8,335,712	\$ 10,780,054	5,600	\$ 1,925.01	\$ 64,123,127
2055	\$ 26,474,914	\$ 160.61	\$ 1,495.17	\$ 33,115,600	\$ 44,115,600	20,000	\$ 2,216.78	\$ 160.61	\$ 1,495.17	\$ 9,272,368	\$ 11,716,710	5,600	\$ 2,092.27	\$ 68,662,882
2056	\$ 26,940,872	\$ 172.16	\$ 1,669.96	\$ 36,842,400	\$ 56,842,400	20,000	\$ 2,504.12	\$ 172.16	\$ 1,669.96	\$ 10,315,872	\$ 12,760,214	5,600	\$ 2,278.61	\$ 74,099,144
2057	\$ 27,415,031	\$ 184.54	\$ 1,865.18	\$ 40,994,400	\$ 72,994,400	20,000	\$ 2,824.72	\$ 184.54	\$ 1,865.18	\$ 11,478,432	\$ 15,922,774	5,600	\$ 2,486.21	\$ 79,887,863
2058	\$ 27,897,536	\$ 197.81	\$ 2,083.22	\$ 45,620,600	\$ 90,620,600	20,000	\$ 3,181.03	\$ 197.81	\$ 2,083.22	\$ 12,773,768	\$ 18,218,110	5,600	\$ 2,717.52	\$ 86,291,904
2059	\$ 28,388,533	\$ 212.03	\$ 2,326.75	\$ 50,775,600	\$ 113,775,600	20,000	\$ 3,578.78	\$ 212.03	\$ 2,326.75	\$ 14,217,168	\$ 20,661,510	5,600	\$ 2,975.27	\$ 93,381,301
2060	\$ 28,888,171	\$ 227.27	\$ 2,598.75	\$ 56,520,400	\$ 132,020,400	20,000	\$ 4,016.02	\$ 227.27	\$ 2,598.75	\$ 15,825,712	\$ 23,070,054	5,600	\$ 3,262.51	\$ 101,234,283
2061	\$ 29,396,603	\$ 243.61	\$ 2,902.54	\$ 62,923,000	\$ 156,923,000	20,000	\$ 4,504.15	\$ 243.61	\$ 2,902.54	\$ 17,618,440	\$ 25,062,782	5,600	\$ 3,582.64	\$ 109,938,043
2062	\$ 29,913,983	\$ 261.13	\$ 3,241.85	\$ 70,059,600	\$ 177,059,600	20,000	\$ 5,052.98	\$ 261.13	\$ 3,241.85	\$ 19,616,688	\$ 27,061,030	5,600	\$ 3,939.47	\$ 119,590,217
2063	\$ 30,440,469	\$ 279.91	\$ 3,620.82	\$ 78,014,600	\$ 196,014,600	20,000	\$ 5,673.31	\$ 279.91	\$ 3,620.82	\$ 21,844,088	\$ 29,288,430	5,600	\$ 4,337.22	\$ 130,299,571
2064	\$ 30,976,221	\$ 300.04	\$ 4,044.09	\$ 86,882,600	\$ 215,882,600	20,000	\$ 6,344.13	\$ 300.04	\$ 4,044.09	\$ 24,327,128	\$ 31,771,470	5,600	\$ 4,780.62	\$ 142,185,949
2065	\$ 31,521,402	\$ 321.61	\$ 4,516.84	\$ 96,769,000	\$ 237,769,000	20,000	\$ 7,158.45	\$ 321.61	\$ 4,516.84	\$ 27,095,320	\$ 35,293,662	5,600	\$ 5,274.94	\$ 155,385,722
2066	\$ 32,076,179	\$ 344.73	\$ 5,044.86	\$ 107,791,800	\$ 263,791,800	20,000	\$ 8,039.59	\$ 344.73	\$ 5,044.86	\$ 30,181,704	\$ 39,626,046	5,600	\$ 5,826.08	\$ 170,049,683
2067	\$ 32,640,720	\$ 369.52	\$ 5,634.60	\$ 120,082,400	\$ 292,082,400	20,000	\$ 9,014.12	\$ 369.52	\$ 5,634.60	\$ 33,623,072	\$ 44,067,414	5,600	\$ 6,440.61	\$ 186,346,192
2068	\$ 33,215,197	\$ 396.09	\$ 6,293.28	\$ 133,787,400	\$ 327,787,400	20,000	\$ 10,059.37	\$ 396.09	\$ 6,293.28	\$ 37,460,472	\$ 49,904,814	5,600	\$ 7,125.86	\$ 204,463,069
2069	\$ 33,799,784	\$ 424.57	\$ 7,028.96	\$ 149,070,600	\$ 363,070,600	20,000	\$ 11,195.53	\$ 424.57	\$ 7,028.96	\$ 41,739,768	\$ 54,184,110	5,600	\$ 7,890.02	\$ 224,610,152
2070	\$ 34,394,660	\$ 455.10	\$ 7,850.65	\$ 166,115,000	\$ 401,115,000	20,000	\$ 12,435.27	\$ 455.10	\$ 7,850.65	\$ 46,512,200	\$ 60,956,542	5,600	\$ 8,742.24	\$ 247,021,860
2071	\$ 35,000,006	\$ 487.82	\$ 8,768.39	\$ 185,124,200	\$ 446,124,200	20,000	\$ 13,795.21	\$ 487.82	\$ 8,768.39	\$ 51,834,776	\$ 67,299,118	5,600	\$ 9,729.70	\$ 271,958,982
2072	\$ 35,616,006	\$ 522.89	\$ 9,793.41	\$ 206,326,000	\$ 492,326,000	20,000	\$ 15,316.30	\$ 522.89	\$ 9,793.41	\$ 57,771,280	\$ 74,771,280	5,600	\$ 10,316.30	\$ 299,713,286

Metropolitan Water District of Salt Lake & Sandy										
Projected Cash Flow										
Last Update: June 22, 2017										
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)	3.332									
2017	3.332	\$ 305.10	\$ 1,016,457	\$ 2,223,816	\$ 10,552,150	\$ 1,393,575	\$ 448,000	\$ 2,225,585	\$ 16,843,126	1.64
2018	3.332	\$ 305.29	\$ 1,017,092	\$ 2,223,816	\$ 10,561,550	\$ 1,394,175	\$ 448,300	\$ 1,958,950	\$ 16,586,791	1.73
2019	3.332	\$ 305.40	\$ 1,017,472	\$ 2,223,816	\$ 10,566,350	\$ 1,391,075	\$ 452,900	\$ 1,958,950	\$ 16,593,091	1.83
2020	3.332	\$ 306.10	\$ 1,019,799	\$ 2,223,816	\$ 10,853,850	\$ 1,394,075	\$ 450,400	\$ 1,958,950	\$ 16,881,091	1.81
2021	3.332	\$ 307.62	\$ 1,024,874	\$ 2,223,816	\$ 10,841,350	\$ 1,384,575	\$ 452,750	\$ 1,958,950	\$ 16,861,441	1.98
2022	3.332	\$ 307.37	\$ 1,024,028	\$ 2,223,816	\$ 10,884,150	\$ 1,387,575	\$ 449,800	\$ 1,958,950	\$ 16,904,291	2.25
2023	3.332	\$ 311.75	\$ 1,038,620	\$ 2,223,816	\$ 11,818,750	\$ 787,325	\$ 449,000	\$ 1,958,950	\$ 17,237,841	2.52
2024	3.332	\$ 309.10	\$ 1,029,806	\$ 2,223,816	\$ 9,306,500		\$ 452,800	\$ 5,883,950	\$ 17,867,066	2.25
2025	3.332	\$ 308.60	\$ 1,028,114	\$ 4,523,816	\$ 5,268,000		\$ 451,000	\$ 9,787,700	\$ 20,030,516	1.58
2026	3.332	\$ 308.65	\$ 1,028,304	\$ 4,536,830	\$ 5,284,750		\$ 448,800	\$ 9,786,450	\$ 20,056,830	1.58
2027	3.332	\$ 318.41	\$ 1,060,800	\$ 4,546,062	\$ 5,293,250		\$ 451,200	\$ 9,965,200	\$ 20,255,712	1.58
2028	3.332	\$ 322.16	\$ 1,073,320	\$ 4,551,512	\$ 5,088,500		\$ 448,000	\$ 10,000,675	\$ 20,088,687	1.56
2029	3.332	\$ 325.23	\$ 1,083,545	\$ 4,553,180	\$ 5,060,750		\$ 449,400	\$ 10,012,925	\$ 20,076,255	1.52
2030	3.332	\$ 327.61	\$ 1,091,477	\$ 9,031,066	\$ 2,651,250		\$ 450,200	\$ 5,721,313	\$ 17,853,829	2.22
2031	3.332	\$ 334.38	\$ 1,114,032	\$ 9,025,736	\$ 2,633,750		\$ 450,400	\$ 5,802,550	\$ 17,912,436	2.32
2032	3.332			\$ 9,025,195	\$ 5,454,250		\$ 450,000		\$ 14,929,445	2.65
2033	3.332			\$ 9,113,876	\$ 5,455,750		\$ 449,000		\$ 15,018,626	2.58
2034	3.332			\$ 9,097,995	\$ 5,457,000		\$ 452,400		\$ 15,007,395	2.51
2035	3.332			\$ 3,660,958	\$ 5,452,000		\$ -		\$ 9,113,458	3.99
2036	3.332			\$ 3,632,370	\$ 5,452,000				\$ 9,084,370	4.17
2037	3.332				\$ 5,454,750				\$ 5,454,750	6.72
2038	3.332								\$ -	N/A
2039	3.332								\$ -	N/A
2040	3.332								\$ -	N/A
2041	3.332								\$ -	N/A
2042	3.332								\$ -	N/A
2043	3.332								\$ -	N/A
2044	3.332								\$ -	N/A
2045	3.332								\$ -	N/A
2046	3.332								\$ -	N/A
2047	3.332								\$ -	N/A
2048	3.332								\$ -	N/A
2049	3.332								\$ -	N/A
2050	3.332								\$ -	N/A
2051	3.332								\$ -	N/A
2052	3.332								\$ -	N/A
2053	3.332								\$ -	N/A
2054	3.332								\$ -	N/A
2055	3.332								\$ -	N/A
2056	3.332								\$ -	N/A
2057	3.332								\$ -	N/A
2058	3.332								\$ -	N/A
2059	3.332								\$ -	N/A
2060	3.332								\$ -	N/A
2061	3.332								\$ -	N/A
2062	3.332								\$ -	N/A
2063	3.332								\$ -	N/A
2064	3.332								\$ -	N/A
2065	3.332								\$ -	N/A
2066	3.332								\$ -	N/A
2067	3.332								\$ -	N/A
2068	3.332								\$ -	N/A
2069	3.332								\$ -	N/A
2070	3.332								\$ -	N/A
2071	3.332								\$ -	N/A
2072	3.332								\$ -	N/A

Metropolitan Water District of Salt Lake & Sandy												
Projected Cash Flow												
Last Update: June 22, 2017												
Provo River Project (PRWUA)												
Fiscal Year Ending June 30	25	26	27	28	29	30	31	32	33	34	35	36
	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)					5.21%	5.34%	1.56%					
2017	\$ 126,485	\$ 101,805	\$ 1,241,525	\$ 169,430	\$ 1,313,593	\$ 230,707	\$ 133,897	\$ 3,317,443	61,700	83%	51,211	\$ 64.78
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	\$ 1,241,742		\$ 1,450,191	\$ 192,681	\$ 126,081	\$ 3,238,985	61,700	100%	61,700	\$ 52.50
2020	\$ 126,485	\$ 101,805	\$ 1,241,525		\$ 1,525,746	\$ 202,970	\$ 128,048	\$ 3,326,579	61,700	100%	61,700	\$ 53.92
2021	\$ 126,485	\$ 101,805	\$ 1,441,384		\$ 1,605,237	\$ 213,809	\$ 130,046	\$ 3,618,766	61,700	100%	61,700	\$ 58.65
2022	\$ 126,485	\$ 101,805	\$ 1,441,507		\$ 1,688,870	\$ 225,226	\$ 132,075	\$ 3,715,968	61,700	100%	61,700	\$ 60.23
2023	\$ 126,485	\$ 101,805	\$ 1,441,167		\$ 1,776,860	\$ 237,253	\$ 134,135	\$ 3,817,705	61,700	100%	61,700	\$ 61.88
2024	\$ 126,485	\$ 101,805	\$ 1,441,105		\$ 1,869,434	\$ 249,922	\$ 136,228	\$ 3,924,979	61,700	100%	61,700	\$ 63.61
2025		\$ 62,934	\$ 1,441,260		\$ 2,131,911	\$ 263,268	\$ 138,353	\$ 4,037,726	61,700	100%	61,700	\$ 65.44
2026			\$ 1,440,796		\$ 2,305,894	\$ 277,327	\$ 140,511	\$ 4,164,528	61,700	100%	61,700	\$ 67.50
2027			\$ 1,441,229		\$ 2,426,031	\$ 292,136	\$ 142,703	\$ 4,302,099	61,700	100%	61,700	\$ 69.73
2028			\$ 1,440,920		\$ 2,552,427	\$ 307,736	\$ 144,929	\$ 4,446,012	61,700	100%	61,700	\$ 72.06
2029			\$ 1,441,384		\$ 2,685,408	\$ 324,169	\$ 147,190	\$ 4,598,151	61,700	100%	61,700	\$ 74.52
2030			\$ 1,441,755		\$ 2,825,318	\$ 341,480	\$ 149,486	\$ 4,758,039	61,700	100%	61,700	\$ 77.12
2031			\$ 1,441,198		\$ 2,972,517	\$ 359,715	\$ 151,818	\$ 4,925,248	61,700	100%	61,700	\$ 79.83
2032			\$ 1,441,229		\$ 3,127,385	\$ 378,924	\$ 154,186	\$ 5,101,724	61,700	100%	61,700	\$ 82.69
2033			\$ 1,440,982		\$ 3,290,322	\$ 399,159	\$ 156,591	\$ 5,287,054	61,700	100%	61,700	\$ 85.69
2034			\$ 1,441,167		\$ 3,461,748	\$ 420,474	\$ 159,034	\$ 5,482,423	61,700	100%	61,700	\$ 88.86
2035			\$ 1,441,693		\$ 3,642,105	\$ 442,927	\$ 161,515	\$ 5,688,240	61,700	100%	61,700	\$ 92.19
2036			\$ 1,440,920		\$ 3,831,859	\$ 466,579	\$ 164,035	\$ 5,903,393	61,700	100%	61,700	\$ 95.68
2037					\$ 4,031,499	\$ 491,494	\$ 166,594	\$ 6,689,587	61,700	100%	61,700	\$ 76.01
2038					\$ 4,241,540	\$ 517,740	\$ 169,193	\$ 6,928,473	61,700	100%	61,700	\$ 79.88
2039					\$ 4,462,524	\$ 545,387	\$ 171,832	\$ 7,179,743	61,700	100%	61,700	\$ 83.95
2040					\$ 4,695,022	\$ 574,511	\$ 174,513	\$ 7,444,046	61,700	100%	61,700	\$ 88.23
2041					\$ 4,939,633	\$ 605,190	\$ 177,235	\$ 7,722,058	61,700	100%	61,700	\$ 92.74
2042					\$ 5,196,988	\$ 637,507	\$ 180,000	\$ 8,014,495	61,700	100%	61,700	\$ 97.48
2043					\$ 5,467,751	\$ 671,550	\$ 182,808	\$ 8,322,109	61,700	100%	61,700	\$ 102.47
2044					\$ 5,752,621	\$ 707,411	\$ 185,660	\$ 8,645,692	61,700	100%	61,700	\$ 107.71
2045					\$ 6,052,333	\$ 745,187	\$ 188,556	\$ 8,986,076	61,700	100%	61,700	\$ 113.23
2046					\$ 6,367,660	\$ 784,980	\$ 191,497	\$ 9,344,137	61,700	100%	61,700	\$ 119.03
2047					\$ 6,699,415	\$ 826,898	\$ 194,484	\$ 9,720,797	61,700	100%	61,700	\$ 125.13
2048					\$ 7,048,455	\$ 871,054	\$ 197,518	\$ 10,117,027	61,700	100%	61,700	\$ 131.56
2049					\$ 7,415,680	\$ 917,568	\$ 200,599	\$ 10,533,847	61,700	100%	61,700	\$ 138.31
2050					\$ 7,802,037	\$ 966,566	\$ 203,728	\$ 10,972,331	61,700	100%	61,700	\$ 145.42
2051					\$ 8,208,523	\$ 1,018,181	\$ 206,906	\$ 11,433,610	61,700	100%	61,700	\$ 152.89
2052					\$ 8,636,187	\$ 1,072,552	\$ 210,134	\$ 11,918,873	61,700	100%	61,700	\$ 160.76
2053					\$ 9,086,132	\$ 1,129,826	\$ 213,412	\$ 12,429,370	61,700	100%	61,700	\$ 169.03
2054					\$ 9,559,519	\$ 1,190,159	\$ 216,741	\$ 12,966,419	61,700	100%	61,700	\$ 177.74
2055					\$ 10,057,570	\$ 1,253,713	\$ 220,122	\$ 13,531,405	61,700	100%	61,700	\$ 186.89
2056					\$ 10,581,569	\$ 1,320,661	\$ 223,556	\$ 14,125,786	61,700	100%	61,700	\$ 196.53
2057					\$ 11,132,869	\$ 1,391,184	\$ 227,043	\$ 14,751,096	61,700	100%	61,700	\$ 206.66
2058					\$ 11,712,891	\$ 1,465,473	\$ 230,585	\$ 15,408,949	61,700	100%	61,700	\$ 217.32
2059					\$ 12,323,133	\$ 1,543,729	\$ 234,182	\$ 16,101,044	61,700	100%	61,700	\$ 228.54
2060					\$ 12,965,168	\$ 1,626,164	\$ 237,835	\$ 16,829,167	61,700	100%	61,700	\$ 240.34
2061					\$ 13,640,653	\$ 1,713,001	\$ 241,545	\$ 17,595,199	61,700	100%	61,700	\$ 252.76
2062					\$ 14,351,331	\$ 1,804,475	\$ 245,313	\$ 18,401,119	61,700	100%	61,700	\$ 265.82
2063					\$ 15,099,035	\$ 1,900,834	\$ 249,140	\$ 19,249,009	61,700	100%	61,700	\$ 279.56
2064					\$ 15,885,695	\$ 2,002,339	\$ 253,027	\$ 20,141,061	61,700	100%	61,700	\$ 294.02
2065					\$ 16,713,340	\$ 2,109,264	\$ 256,974	\$ 21,079,578	61,700	100%	61,700	\$ 309.23
2066					\$ 17,584,105	\$ 2,221,899	\$ 260,983	\$ 22,066,987	61,700	100%	61,700	\$ 325.23
2067					\$ 18,500,237	\$ 2,340,548	\$ 265,054	\$ 23,105,839	61,700	100%	61,700	\$ 342.07
2068					\$ 19,464,099	\$ 2,465,533	\$ 269,189	\$ 24,198,821	61,700	100%	61,700	\$ 359.79
2069					\$ 20,478,179	\$ 2,597,192	\$ 273,388	\$ 25,348,759	61,700	100%	61,700	\$ 378.42
2070					\$ 21,545,092	\$ 2,735,882	\$ 277,653	\$ 26,558,627	61,700	100%	61,700	\$ 398.03
2071					\$ 22,667,591	\$ 2,881,978	\$ 281,984	\$ 27,831,553	61,700	100%	61,700	\$ 418.66
2072					\$ 23,848,572	\$ 3,035,876	\$ 286,383	\$ 29,170,831	61,700	100%	61,700	\$ 440.37

Metropolitan Water District of Salt Lake & Sandy											
Projected Cash Flow											
Last Update: June 22, 2017											
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 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)								6.00%			
2017	20,000	\$ 148.56	\$ 2,971,200				\$ 6,272,880	\$ 3,381,150	\$ -	\$ 12,625,230	\$ 47,011,260
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				\$ 1,659,000	\$ 983,555	\$ 2,000,000	\$ 7,613,755	\$ 42,173,127
2020	20,000	\$ 148.56	\$ 2,971,200				\$ 1,614,000	\$ 743,338	\$ 2,000,000	\$ 7,328,538	\$ 42,712,344
2021	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 1,233,000	\$ 1,143,629	\$ 2,410,000	\$ 10,202,171	\$ 46,591,329
2022	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 3,493,500	\$ 398,899	\$ 6,872,500	\$ 16,180,441	\$ 53,099,218
2023	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 5,418,500	\$ 544,881	\$ 12,025,000	\$ 23,403,923	\$ 61,166,420
2024	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 7,179,000	\$ 510,007	\$ 8,520,000	\$ 21,624,549	\$ 60,552,205
2025	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 4,296,000	\$ 578,291	\$ -	\$ 10,289,833	\$ 51,944,703
2026	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 6,061,671	\$ 656,774	\$ -	\$ 12,133,987	\$ 54,417,221
2027	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 8,231,161	\$ 746,985	\$ -	\$ 14,393,688	\$ 57,514,986
2028	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 4,877,666	\$ 1,086,721	\$ -	\$ 11,379,928	\$ 55,008,733
2029	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 11,254,776	\$ 1,151,924	\$ -	\$ 17,822,242	\$ 62,153,028
2030	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 15,243,584	\$ 1,221,039	\$ -	\$ 21,880,165	\$ 64,745,760
2031	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 14,165,186	\$ 1,294,302	\$ -	\$ 20,875,029	\$ 64,601,767
2032	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 14,281,682	\$ 1,371,960	\$ -	\$ 21,069,183	\$ 62,666,897
2033	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 14,776,672	\$ 1,454,277	\$ -	\$ 21,646,491	\$ 64,242,561
2034	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 9,793,263	\$ 1,541,534	\$ -	\$ 16,750,339	\$ 60,305,195
2035	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 19,256,560	\$ 1,634,026	\$ -	\$ 26,306,128	\$ 65,003,786
2036	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 19,387,677	\$ 1,732,068	\$ -	\$ 26,535,286	\$ 66,311,682
2037	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 19,539,728	\$ 1,835,992	\$ -	\$ 26,791,261	\$ 62,685,408
2038	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 19,661,829	\$ 1,946,151	\$ -	\$ 27,023,522	\$ 58,738,501
2039	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 19,805,104	\$ 2,062,920	\$ -	\$ 27,283,566	\$ 60,370,070
2040	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 28,862,677	\$ 2,186,695	\$ -	\$ 36,464,914	\$ 71,028,344
2041	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 20,104,678	\$ 2,317,897	\$ -	\$ 27,838,117	\$ 63,994,897
2042	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 20,261,238	\$ 2,456,971	\$ -	\$ 28,133,751	\$ 66,011,627
2043	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 20,422,495	\$ 2,604,389	\$ -	\$ 28,442,426	\$ 68,182,295
2044	20,000	\$ 148.56	\$ 2,971,200	5,600	\$ 436.49	\$ 2,444,342	\$ 20,588,590	\$ 2,760,653	\$ -	\$ 28,764,784	\$ 70,522,015
2045	16,000	\$ 148.56	\$ 2,376,960	5,600	\$ 436.49	\$ 2,444,342	\$ 20,889,668	\$ 2,926,292	\$ -	\$ 28,637,261	\$ 72,583,275
2046	12,000	\$ 148.56	\$ 1,782,720	5,600	\$ 436.49	\$ 2,444,342	\$ 21,091,128	\$ 3,101,869	\$ -	\$ 28,420,059	\$ 74,744,422
2047	8,000	\$ 148.56	\$ 1,188,480	5,600	\$ 436.49	\$ 2,444,342	\$ 21,135,374	\$ 3,287,981	\$ -	\$ 28,056,177	\$ 76,967,928
2048	4,000	\$ 148.56	\$ 594,240	5,600	\$ 436.49	\$ 2,444,342	\$ 21,304,315	\$ 3,485,260	\$ -	\$ 27,828,157	\$ 79,558,931
2049	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 21,496,865	\$ 3,694,376	\$ -	\$ 27,635,583	\$ 82,440,942
2050	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 21,702,191	\$ 3,916,038	\$ -	\$ 28,062,571	\$ 86,225,902
2051	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 21,899,466	\$ 4,151,001	\$ -	\$ 28,494,808	\$ 90,329,683
2052	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 22,109,870	\$ 4,400,061	\$ -	\$ 28,954,273	\$ 94,808,352
2053	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 22,326,587	\$ 4,664,064	\$ -	\$ 29,434,993	\$ 99,693,414
2054	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 22,549,804	\$ 4,943,908	\$ -	\$ 29,938,054	\$ 105,027,600
2055	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 8,043,718	\$ 5,240,543	\$ -	\$ 15,728,603	\$ 96,122,890
2056	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 8,280,530	\$ 5,554,975	\$ -	\$ 16,279,847	\$ 102,504,777
2057	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 8,524,446	\$ 5,888,274	\$ -	\$ 16,857,062	\$ 109,496,021
2058	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 8,775,679	\$ 6,241,570	\$ -	\$ 17,461,591	\$ 117,162,444
2059	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 9,034,449	\$ 6,616,065	\$ -	\$ 18,094,855	\$ 125,577,200
2060	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 9,300,983	\$ 7,013,028	\$ -	\$ 18,758,353	\$ 134,821,803
2061	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 9,575,512	\$ 7,433,810	\$ -	\$ 19,453,664	\$ 144,986,906
2062	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 9,858,278	\$ 7,879,839	\$ -	\$ 20,182,458	\$ 156,173,848
2063	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 10,149,526	\$ 8,352,629	\$ -	\$ 20,946,497	\$ 168,494,663
2064	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 10,449,512	\$ 8,853,787	\$ -	\$ 21,747,641	\$ 182,074,651
2065	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 10,758,497	\$ 9,385,014	\$ -	\$ 22,587,853	\$ 197,053,153
2066	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 11,076,752	\$ 9,948,115	\$ -	\$ 23,469,209	\$ 213,585,879
2067	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 11,404,555	\$ 10,545,002	\$ -	\$ 24,393,899	\$ 231,845,930
2068	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 11,742,191	\$ 11,177,702	\$ -	\$ 25,364,235	\$ 252,026,125
2069	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 12,089,957	\$ 11,848,364	\$ -	\$ 26,382,663	\$ 274,341,574
2070	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 12,448,156	\$ 12,559,266	\$ -	\$ 27,451,764	\$ 299,032,251
2071	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 12,817,101	\$ 13,312,822	\$ -	\$ 28,574,265	\$ 326,364,800
2072	-	\$ -	\$ -	5,600	\$ 436.49	\$ 2,444,342	\$ 13,197,114	\$ 14,111,591	\$ -	\$ 29,308,705	\$ 354,192,822

Metropolitan Water District of Salt Lake & Sandy										
Projected Cash Flow										
Last Update: June 22, 2017										
Taxes										
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 MWDSL 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%		
2017	\$ 7,812,311	\$ 2,604,104	\$ 10,416,414	\$ 20,259,556	8.0%	\$ 14,789,476	47,746	\$ 5,470,080	\$ 18,354	\$ 66,100
2018	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 21,272,534	5.0%	\$ 15,528,950	48,269	\$ 5,743,584	\$ 18,168	\$ 66,436
2019	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 21,910,710	3.0%	\$ 15,994,818	48,792	\$ 5,915,892	\$ 17,981	\$ 66,773
2020	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 22,568,031	3.0%	\$ 16,474,663	49,315	\$ 6,093,368	\$ 17,795	\$ 67,109
2021	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 23,245,072	3.0%	\$ 16,968,903	49,837	\$ 6,276,169	\$ 17,608	\$ 67,445
2022	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 23,942,424	3.0%	\$ 17,477,970	50,360	\$ 6,464,455	\$ 17,422	\$ 67,782
2023	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 24,660,697	3.0%	\$ 18,002,309	50,883	\$ 6,658,388	\$ 17,235	\$ 68,118
2024	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 25,400,518	3.0%	\$ 18,542,378	51,406	\$ 6,858,140	\$ 17,049	\$ 68,455
2025	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 26,162,533	3.0%	\$ 19,098,649	51,929	\$ 7,063,884	\$ 16,862	\$ 68,791
2026	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 26,947,409	3.0%	\$ 19,671,609	52,452	\$ 7,275,801	\$ 16,676	\$ 69,127
2027	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 27,755,832	3.0%	\$ 20,261,757	52,974	\$ 7,494,075	\$ 16,489	\$ 69,464
2028	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 27,755,832	0.0%	\$ 20,261,757	53,497	\$ 7,494,075	\$ 16,303	\$ 69,800
2029	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 27,755,832	0.0%	\$ 20,261,757	54,020	\$ 7,494,075	\$ 16,116	\$ 70,136
2030	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 37,747,931	36.0%	\$ 27,555,900	54,543	\$ 10,191,941	\$ 15,930	\$ 70,473
2031	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 40,390,286	7.0%	\$ 29,484,909	55,066	\$ 10,905,377	\$ 15,743	\$ 70,809
2032	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 40,390,286	0.0%	\$ 29,484,909	55,589	\$ 10,905,377	\$ 15,557	\$ 71,145
2033	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 40,390,286	0.0%	\$ 29,484,909	56,112	\$ 10,905,377	\$ 15,370	\$ 71,482
2034	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 40,390,286	0.0%	\$ 29,484,909	56,634	\$ 10,905,377	\$ 15,184	\$ 71,818
2035	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 45,641,023	13.0%	\$ 33,317,947	57,157	\$ 12,323,076	\$ 14,997	\$ 72,155
2036	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 53,856,408	18.0%	\$ 39,315,178	57,680	\$ 14,541,230	\$ 14,811	\$ 72,491
2037	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 53,856,408	0.0%	\$ 39,315,178	58,203	\$ 14,541,230	\$ 14,624	\$ 72,827
2038	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 53,856,408	0.0%	\$ 39,315,178	58,726	\$ 14,541,230	\$ 14,438	\$ 73,164
2039	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 53,856,408	0.0%	\$ 39,315,178	59,249	\$ 14,541,230	\$ 14,251	\$ 73,500
2040	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 53,856,408	0.0%	\$ 39,315,178	59,772	\$ 14,541,230	\$ 14,065	\$ 73,836
2041	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 53,856,408	0.0%	\$ 39,315,178	60,294	\$ 14,541,230	\$ 13,878	\$ 74,173
2042	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 53,856,408	0.0%	\$ 39,315,178	60,817	\$ 14,541,230	\$ 13,692	\$ 74,509
2043	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 53,856,408	0.0%	\$ 39,315,178	61,340	\$ 14,541,230	\$ 13,505	\$ 74,845
2044	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 53,856,408	0.0%	\$ 39,315,178	61,863	\$ 14,541,230	\$ 13,319	\$ 75,182
2045	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 53,856,408	0.0%	\$ 39,315,178	62,386	\$ 14,541,230	\$ 13,132	\$ 75,518
2046	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 53,856,408	0.0%	\$ 39,315,178	62,909	\$ 14,541,230	\$ 12,946	\$ 75,855
2047	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 53,856,408	0.0%	\$ 39,315,178	63,431	\$ 14,541,230	\$ 12,759	\$ 76,191
2048	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 64,627,689	20.0%	\$ 47,178,213	63,954	\$ 17,449,476	\$ 12,573	\$ 76,527
2049	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 69,151,627	7.0%	\$ 50,480,688	64,477	\$ 18,670,939	\$ 12,386	\$ 76,864
2050	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 71,226,176	3.0%	\$ 51,995,109	65,000	\$ 19,231,068	\$ 12,200	\$ 77,200
2051	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 74,073,223	4.0%	\$ 54,074,913	65,000	\$ 20,000,310	\$ 12,200	\$ 77,200
2052	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 79,260,489	7.0%	\$ 57,860,157	65,000	\$ 21,400,332	\$ 12,200	\$ 77,200
2053	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 84,808,723	7.0%	\$ 61,910,368	65,000	\$ 22,898,355	\$ 12,200	\$ 77,200
2054	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 90,745,334	7.0%	\$ 66,244,094	65,000	\$ 24,501,240	\$ 12,200	\$ 77,200
2055	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 90,745,334	0.0%	\$ 66,244,094	65,000	\$ 24,501,240	\$ 12,200	\$ 77,200
2056	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 90,745,334	0.0%	\$ 66,244,094	65,000	\$ 24,501,240	\$ 12,200	\$ 77,200
2057	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 90,745,334	0.0%	\$ 66,244,094	65,000	\$ 24,501,240	\$ 12,200	\$ 77,200
2058	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 101,634,774	12.0%	\$ 74,193,385	65,000	\$ 27,441,389	\$ 12,200	\$ 77,200
2059	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 112,814,599	11.0%	\$ 82,354,657	65,000	\$ 30,459,942	\$ 12,200	\$ 77,200
2060	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 122,967,913	9.0%	\$ 89,766,576	65,000	\$ 33,201,336	\$ 12,200	\$ 77,200
2061	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 134,035,025	9.0%	\$ 97,845,568	65,000	\$ 36,189,457	\$ 12,200	\$ 77,200
2062	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 142,077,127	6.0%	\$ 103,716,302	65,000	\$ 38,360,824	\$ 12,200	\$ 77,200
2063	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 156,284,839	10.0%	\$ 114,087,933	65,000	\$ 42,196,907	\$ 12,200	\$ 77,200
2064	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 170,350,475	9.0%	\$ 124,355,847	65,000	\$ 45,994,628	\$ 12,200	\$ 77,200
2065	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 187,385,522	10.0%	\$ 136,791,431	65,000	\$ 50,594,091	\$ 12,200	\$ 77,200
2066	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 198,628,653	6.0%	\$ 144,998,917	65,000	\$ 53,629,736	\$ 12,200	\$ 77,200
2067	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 220,477,805	11.0%	\$ 160,948,798	65,000	\$ 59,529,007	\$ 12,200	\$ 77,200
2068	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 233,706,474	6.0%	\$ 170,605,726	65,000	\$ 63,100,748	\$ 12,200	\$ 77,200
2069	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 257,077,121	10.0%	\$ 187,666,298	65,000	\$ 69,410,823	\$ 12,200	\$ 77,200
2070	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 280,214,062	9.0%	\$ 204,556,265	65,000	\$ 75,657,797	\$ 12,200	\$ 77,200
2071	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 308,235,468	10.0%	\$ 225,011,892	65,000	\$ 83,223,576	\$ 12,200	\$ 77,200
2072	\$ 7,787,467	\$ 2,595,822	\$ 10,383,289	\$ 339,059,015	10.0%	\$ 247,513,081	65,000	\$ 91,545,934	\$ 12,200	\$ 77,200

Metropolitan Water District of Salt Lake & Sandy										
Projected Cash Flow										
Last Update: June 22, 2017										
Revenues										
Water Sales										
Fiscal Year Ending June 30	Sales to Others					JSSD/ODT Water Agreement				
	58	59	60	61	62	63	64	65	66	67
	Treated Water Rate	Conveyance Fee	Non-member Entity Water Volume (AF)	Water Conveyance for Others (AF)	Non-member Entity Total Treatment Charge Revenue and Conveyance Fees	Jordanelle Special Services District Use of ODT Water (AF)	Jordanelle Special Services District Rate (\$/AF)	Revenue from ODT Water	Total Water Sales/Conveyance Revenue	Revenue increase (%)
Escalation factor (inflation, growth, interest)							3.00%			
2017	\$ 295.00	\$ 21.00	669	8,123	\$ 381,987	3,332	\$ 30.02	\$ 100,000	\$ 20,741,543	
2018	\$ 310.00	\$ 21.00	669	8,123	\$ 392,022	500	\$ 200.00	\$ 200,000	\$ 21,864,556	5.41%
2019	\$ 319.00	\$ 21.63			\$ -	500	\$ 200.00	\$ 200,000	\$ 22,110,710	1.13%
2020	\$ 329.00	\$ 22.28			\$ -	500	\$ 206.00	\$ 203,000	\$ 22,771,031	2.99%
2021	\$ 339.00	\$ 22.95			\$ -	500	\$ 212.18	\$ 206,090	\$ 23,451,162	2.99%
2022	\$ 349.00	\$ 23.64			\$ -	500	\$ 218.55	\$ 209,273	\$ 24,151,697	2.99%
2023	\$ 359.00	\$ 24.35			\$ -	1,000	\$ 225.10	\$ 325,102	\$ 24,985,799	3.45%
2024	\$ 370.00	\$ 25.08			\$ -	1,000	\$ 231.85	\$ 331,855	\$ 25,732,373	2.99%
2025	\$ 381.00	\$ 25.83			\$ -	1,000	\$ 238.81	\$ 249,810	\$ 26,412,344	2.64%
2026	\$ 392.00	\$ 26.60			\$ -	1,000	\$ 245.97	\$ 245,975	\$ 27,193,384	2.96%
2027	\$ 404.00	\$ 27.40			\$ -	1,000	\$ 253.35	\$ 253,354	\$ 28,009,186	3.00%
2028	\$ 404.00	\$ 27.40			\$ -	3,332	\$ 260.95	\$ 869,394	\$ 28,625,226	2.20%
2029	\$ 404.00	\$ 27.40			\$ -	3,332	\$ 268.78	\$ 895,476	\$ 28,651,307	0.09%
2030	\$ 549.00	\$ 37.26			\$ -	3,332	\$ 276.85	\$ 922,340	\$ 38,670,271	34.97%
2031	\$ 587.00	\$ 39.87			\$ -	3,332	\$ 285.15	\$ 950,010	\$ 41,340,296	6.90%
2032	\$ 587.00	\$ 39.87			\$ -	3,332	\$ 293.71	\$ 978,510	\$ 41,368,797	0.07%
2033	\$ 587.00	\$ 39.87			\$ -	3,332	\$ 302.52	\$ 1,007,866	\$ 41,398,152	0.07%
2034	\$ 587.00	\$ 39.87			\$ -	3,332	\$ 311.59	\$ 1,038,102	\$ 41,428,388	0.07%
2035	\$ 663.00	\$ 45.05			\$ -	3,332	\$ 320.94	\$ 1,069,245	\$ 46,710,268	12.75%
2036	\$ 782.00	\$ 53.16			\$ -	3,332	\$ 330.57	\$ 1,101,322	\$ 54,957,730	17.66%
2037	\$ 782.00	\$ 53.16			\$ -	3,332	\$ 340.49	\$ 1,134,362	\$ 54,990,769	0.06%
2038	\$ 782.00	\$ 53.16			\$ -	3,332	\$ 350.70	\$ 1,168,393	\$ 55,024,800	0.06%
2039	\$ 782.00	\$ 53.16			\$ -	3,332	\$ 361.22	\$ 1,203,444	\$ 55,059,852	0.06%
2040	\$ 782.00	\$ 53.16			\$ -	3,332	\$ 372.06	\$ 1,239,548	\$ 55,095,955	0.07%
2041	\$ 782.00	\$ 53.16			\$ -	3,332	\$ 383.22	\$ 1,276,734	\$ 55,133,142	0.07%
2042	\$ 782.00	\$ 53.16			\$ -	3,332	\$ 394.72	\$ 1,315,036	\$ 55,171,444	0.07%
2043	\$ 782.00	\$ 53.16			\$ -	3,332	\$ 406.56	\$ 1,354,487	\$ 55,210,895	0.07%
2044	\$ 782.00	\$ 53.16			\$ -	3,332	\$ 418.76	\$ 1,395,122	\$ 55,251,530	0.07%
2045	\$ 782.00	\$ 53.16			\$ -	3,332	\$ 431.32	\$ 1,436,976	\$ 55,293,383	0.08%
2046	\$ 782.00	\$ 53.16			\$ -	3,332	\$ 444.26	\$ 1,480,085	\$ 55,336,492	0.08%
2047	\$ 782.00	\$ 53.16			\$ -	3,332	\$ 457.59	\$ 1,524,487	\$ 55,380,895	0.08%
2048	\$ 938.00	\$ 63.79			\$ -	3,332	\$ 471.31	\$ 1,570,222	\$ 66,197,911	19.53%
2049	\$ 1,004.00	\$ 68.26			\$ -	3,332	\$ 485.45	\$ 1,617,329	\$ 70,768,956	6.91%
2050	\$ 1,034.00	\$ 70.31			\$ -	3,332	\$ 500.02	\$ 1,665,849	\$ 72,892,025	3.00%
2051	\$ 1,075.00	\$ 73.12			\$ -	3,332	\$ 515.02	\$ 1,715,824	\$ 75,791,047	3.98%
2052	\$ 1,150.00	\$ 78.24			\$ -	3,332	\$ 530.47	\$ 1,767,299	\$ 81,027,788	6.91%
2053	\$ 1,231.00	\$ 83.72			\$ -	3,332	\$ 546.38	\$ 1,820,318	\$ 86,629,041	6.91%
2054	\$ 1,317.00	\$ 89.58			\$ -	3,332	\$ 562.77	\$ 1,874,927	\$ 92,620,261	6.92%
2055	\$ 1,317.00	\$ 89.58			\$ -	3,332	\$ 579.66	\$ 1,931,175	\$ 92,676,509	0.06%
2056	\$ 1,317.00	\$ 89.58			\$ -	3,332	\$ 597.05	\$ 1,989,110	\$ 92,734,444	0.06%
2057	\$ 1,317.00	\$ 89.58			\$ -	3,332	\$ 614.96	\$ 2,048,784	\$ 92,794,117	0.06%
2058	\$ 1,475.00	\$ 100.33			\$ -	3,332	\$ 633.41	\$ 2,110,247	\$ 103,745,021	11.80%
2059	\$ 1,637.00	\$ 111.37			\$ -	3,332	\$ 652.41	\$ 2,173,554	\$ 114,988,153	10.84%
2060	\$ 1,784.00	\$ 121.39			\$ -	3,332	\$ 671.98	\$ 2,238,761	\$ 125,206,674	8.89%
2061	\$ 1,945.00	\$ 132.32			\$ -	3,332	\$ 692.14	\$ 2,305,924	\$ 136,340,949	8.89%
2062	\$ 2,062.00	\$ 140.26			\$ -	3,332	\$ 712.90	\$ 2,375,102	\$ 144,452,228	5.95%
2063	\$ 2,268.00	\$ 154.29			\$ -	3,332	\$ 734.29	\$ 2,446,355	\$ 158,731,194	9.88%
2064	\$ 2,472.00	\$ 168.18			\$ -	3,332	\$ 756.32	\$ 2,519,745	\$ 172,870,220	8.91%
2065	\$ 2,719.00	\$ 185.00			\$ -	3,332	\$ 779.01	\$ 2,595,338	\$ 189,980,860	9.90%
2066	\$ 2,882.00	\$ 196.10			\$ -	3,332	\$ 802.38	\$ 2,673,198	\$ 201,301,851	5.96%
2067	\$ 3,199.00	\$ 217.67			\$ -	3,332	\$ 826.45	\$ 2,753,394	\$ 223,231,199	10.89%
2068	\$ 3,391.00	\$ 230.73			\$ -	3,332	\$ 851.24	\$ 2,835,996	\$ 236,542,469	5.96%
2069	\$ 3,730.00	\$ 253.80			\$ -	3,332	\$ 876.78	\$ 2,921,075	\$ 259,998,197	9.92%
2070	\$ 4,066.00	\$ 276.64			\$ -	3,332	\$ 903.08	\$ 3,008,708	\$ 283,222,770	8.93%
2071	\$ 4,473.00	\$ 304.30			\$ -	3,332	\$ 930.18	\$ 3,098,969	\$ 311,334,437	9.93%
2072	\$ 4,920.00	\$ 334.73			\$ -	3,332	\$ 958.08	\$ 3,191,938	\$ 342,250,953	9.93%

Metropolitan Water District of Salt Lake & Sandy																
Projected Cash Flow																
Last Update: June 22, 2017																
Assessments																
Capacity/Supply Assessments										Miscellaneous Revenues						
	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%			0%		0.90%			
2017	\$ 7,021,892	\$ 4,210,322	\$ 916,457	\$ -	\$ -	\$ 12,148,671	\$ -	\$ -	\$ 13,147	\$ 24,000	\$ 27,000	\$ 64,147	\$ 132,227	\$ 43,503,002	\$ (3,508,258)	
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	\$ 1,095,479	
2019	\$ 7,021,892	\$ 4,210,322	\$ 817,472	\$ 2,000,000	\$ -	\$ 14,049,686	\$ 66,000	\$ 50,000	\$ -	\$ 26,400	\$ 6,000	\$ 148,400	\$ 218,489	\$ 46,920,575	\$ 4,747,448	
2020	\$ 7,021,892	\$ 4,210,322	\$ 816,799	\$ 2,000,000	\$ -	\$ 14,049,013	\$ 66,000	\$ 50,000	\$ -	\$ 26,400	\$ 6,000	\$ 148,400	\$ 271,216	\$ 47,622,949	\$ 4,910,805	
2021	\$ 7,021,892	\$ 4,210,322	\$ 818,784	\$ 2,410,000	\$ -	\$ 16,905,340	\$ 66,000	\$ 50,000	\$ -	\$ 26,400	\$ 6,000	\$ 148,400	\$ 315,414	\$ 51,203,605	\$ 4,612,275	
2022	\$ 7,021,892	\$ 4,210,322	\$ 814,756	\$ 6,872,500	\$ 2,444,342	\$ 21,363,811	\$ 66,000	\$ 50,000	\$ -	\$ 26,400	\$ 6,000	\$ 148,400	\$ 356,924	\$ 56,404,121	\$ 3,304,903	
2023	\$ 7,021,892	\$ 4,210,322	\$ 713,519	\$ 12,025,000	\$ 2,444,342	\$ 26,415,074	\$ 66,000	\$ 50,000	\$ 29,040	\$ 29,040	\$ 6,000	\$ 151,040	\$ 386,668	\$ 62,321,870	\$ 1,155,450	
2024	\$ 7,021,892	\$ 4,210,322	\$ 697,951	\$ 8,520,000	\$ 2,444,342	\$ 22,894,507	\$ 66,000	\$ 50,000	\$ 29,040	\$ 29,040	\$ 6,000	\$ 151,040	\$ 397,067	\$ 59,558,276	\$ (993,929)	
2025	\$ 7,021,892	\$ 4,210,322	\$ 778,304	\$ -	\$ 2,444,342	\$ 14,454,859	\$ 66,000	\$ 50,000	\$ 29,040	\$ 29,040	\$ 6,000	\$ 151,040	\$ 388,122	\$ 51,789,654	\$ (155,048)	
2026	\$ 7,021,892	\$ 4,210,322	\$ 782,329	\$ -	\$ 2,444,342	\$ 14,458,885	\$ 66,000	\$ 50,000	\$ 29,040	\$ 29,040	\$ 6,000	\$ 151,040	\$ 386,727	\$ 52,573,324	\$ (1,843,897)	
2027	\$ 7,021,892	\$ 4,210,322	\$ 807,446	\$ -	\$ 2,444,342	\$ 14,484,002	\$ 66,000	\$ 50,000	\$ 29,040	\$ 29,040	\$ 6,000	\$ 151,040	\$ 370,132	\$ 53,397,648	\$ (4,117,338)	
2028	\$ 7,021,892	\$ 4,210,322	\$ 203,926	\$ -	\$ 2,444,342	\$ 13,880,482	\$ 66,000	\$ 50,000	\$ 31,944	\$ 31,944	\$ 6,000	\$ 153,944	\$ 333,075	\$ 53,376,016	\$ (1,632,718)	
2029	\$ 7,021,892	\$ 4,210,322	\$ 188,070	\$ -	\$ 2,444,342	\$ 13,864,625	\$ 66,000	\$ 50,000	\$ 31,944	\$ 31,944	\$ 6,000	\$ 153,944	\$ 318,381	\$ 53,371,547	\$ (8,781,481)	
2030	\$ 7,021,892	\$ 4,210,322	\$ 169,137	\$ -	\$ 2,444,342	\$ 13,845,692	\$ 66,000	\$ 50,000	\$ 31,944	\$ 31,944	\$ 6,000	\$ 153,944	\$ 239,348	\$ 63,292,544	\$ (1,453,216)	
2031	\$ 7,021,892	\$ 4,210,322	\$ 164,022	\$ -	\$ 2,444,342	\$ 13,840,578	\$ 66,000	\$ 50,000	\$ 31,944	\$ 31,944	\$ 6,000	\$ 153,944	\$ 226,269	\$ 65,944,376	\$ 1,342,609	
2032	\$ 7,021,892	\$ 4,210,322	\$ (978,510)	\$ -	\$ 2,444,342	\$ 12,698,045	\$ 66,000	\$ 50,000	\$ 31,944	\$ 31,944	\$ 6,000	\$ 153,944	\$ 238,352	\$ 64,842,427	\$ 2,175,530	
2033	\$ 7,021,892	\$ 4,210,322	\$ (1,007,866)	\$ -	\$ 2,444,342	\$ 12,668,690	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 257,932	\$ 64,830,063	\$ 587,502	
2034	\$ 7,021,892	\$ 4,210,322	\$ (1,038,102)	\$ -	\$ 2,444,342	\$ 12,638,454	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 263,220	\$ 64,835,350	\$ 4,530,155	
2035	\$ 3,510,946	\$ 2,105,161	\$ (1,069,245)	\$ -	\$ 2,444,342	\$ 6,991,204	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 303,991	\$ 64,510,752	\$ (493,034)	
2036			\$ (1,101,322)	\$ -	\$ 2,444,342	\$ 1,343,020	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 299,554	\$ 67,105,592	\$ 793,910	
2037			\$ (1,134,362)	\$ -	\$ 2,444,342	\$ 1,309,980	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 306,699	\$ 67,112,737	\$ 4,427,329	
2038			\$ (1,168,393)	\$ -	\$ 2,444,342	\$ 1,275,949	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 346,545	\$ 67,152,583	\$ 8,414,082	
2039			\$ (1,203,444)	\$ -	\$ 2,444,342	\$ 1,240,897	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 422,272	\$ 67,228,310	\$ 6,858,240	
2040			\$ (1,239,548)	\$ -	\$ 2,444,342	\$ 1,204,794	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 483,996	\$ 67,290,034	\$ (3,738,310)	
2041			\$ (1,276,734)	\$ -	\$ 2,444,342	\$ 1,167,608	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 450,351	\$ 67,256,389	\$ 3,261,492	
2042			\$ (1,315,036)	\$ -	\$ 2,444,342	\$ 1,129,305	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 479,704	\$ 67,285,743	\$ 1,274,116	
2043			\$ (1,354,487)	\$ -	\$ 2,444,342	\$ 1,089,854	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 491,171	\$ 67,297,210	\$ (885,085)	
2044			\$ (1,395,122)	\$ -	\$ 2,444,342	\$ 1,049,220	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 483,206	\$ 67,289,244	\$ (3,232,771)	
2045			\$ (1,436,976)	\$ -	\$ 2,444,342	\$ 1,007,366	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 454,111	\$ 67,260,149	\$ (5,323,126)	
2046			\$ (1,480,085)	\$ -	\$ 2,444,342	\$ 964,257	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 406,202	\$ 67,212,241	\$ (7,532,181)	
2047			\$ (1,524,487)	\$ -	\$ 2,444,342	\$ 919,854	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 338,413	\$ 67,144,451	\$ (9,823,477)	
2048			\$ (1,570,222)	\$ -	\$ 2,444,342	\$ 874,120	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 250,002	\$ 67,827,321	\$ (1,731,610)	
2049			\$ (1,617,329)	\$ -	\$ 2,444,342	\$ 827,013	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 234,417	\$ 82,335,675	\$ (105,266)	
2050			\$ (1,665,849)	\$ -	\$ 2,444,342	\$ 778,493	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 233,470	\$ 84,409,277	\$ (1,816,626)	
2051			\$ (1,715,824)	\$ -	\$ 2,444,342	\$ 728,518	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 217,120	\$ 87,241,974	\$ (3,087,709)	
2052			\$ (1,767,299)	\$ -	\$ 2,444,342	\$ 677,043	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 189,331	\$ 92,399,450	\$ (2,408,901)	
2053			\$ (1,820,318)	\$ -	\$ 2,444,342	\$ 624,024	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 167,651	\$ 97,926,004	\$ (1,767,410)	
2054			\$ (1,874,927)	\$ -	\$ 2,444,342	\$ 569,414	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 151,744	\$ 103,846,708	\$ (1,180,892)	
2055			\$ (1,931,175)	\$ -	\$ 2,444,342	\$ 513,167	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 141,116	\$ 103,836,080	\$ 7,713,191	
2056			\$ (1,989,110)	\$ -	\$ 2,444,342	\$ 455,231	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 210,535	\$ 103,905,499	\$ 1,400,722	
2057			\$ (2,048,784)	\$ -	\$ 2,444,342	\$ 395,558	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 223,141	\$ 103,918,106	\$ (5,577,915)	
2058			\$ (2,110,247)	\$ -	\$ 2,444,342	\$ 334,095	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 172,940	\$ 114,757,344	\$ (2,405,100)	
2059			\$ (2,173,554)	\$ -	\$ 2,444,342	\$ 270,787	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 151,294	\$ 125,915,524	\$ 338,323	
2060			\$ (2,238,761)	\$ -	\$ 2,444,342	\$ 205,581	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 154,339	\$ 136,071,882	\$ 1,250,079	
2061			\$ (2,305,924)	\$ -	\$ 2,444,342	\$ 138,418	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 165,590	\$ 147,150,245	\$ 2,163,339	
2062			\$ (2,375,102)	\$ -	\$ 2,444,342	\$ 69,240	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 185,060	\$ 155,211,817	\$ (962,032)	
2063			\$ (2,446,355)	\$ -	\$ 2,444,342	\$ (2,013)	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 176,401	\$ 169,410,871	\$ 916,208	
2064			\$ (2,519,745)	\$ -	\$ 2,444,342	\$ (75,404)	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 184,647	\$ 183,484,753	\$ 1,410,102	
2065			\$ (2,595,338)	\$ -	\$ 2,444,342	\$ (150,996)	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 197,338	\$ 200,532,491	\$ 3,479,338	
2066			\$ (2,673,198)	\$ -	\$ 2,444,342	\$ (228,856)	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 228,652	\$ 211,806,936	\$ (1,778,942)	
2067			\$ (2,753,394)	\$ -	\$ 2,444,342	\$ (309,052)	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 212,642	\$ 233,640,078	\$ 1,794,148	
2068			\$ (2,835,996)	\$ -	\$ 2,444,342	\$ (391,654)	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 228,789	\$ 246,884,893	\$ (5,141,231)	
2069			\$ (2,921,075)	\$ -	\$ 2,444,342	\$ (476,734)	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 182,518	\$ 270,209,270	\$ (4,132,304)	
2070			\$ (3,008,708)	\$ -	\$ 2,444,342	\$ (564,366)	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 145,327	\$ 293,309,020	\$ (5,723,231)	
2071			\$ (3,098,969)	\$ -	\$ 2,444,342	\$ (654,627)	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 93,818	\$ 321,278,917	\$ (5,085,883)	
2072			\$ (3,191,938)	\$ -	\$ -	\$ (3,191,938)	\$ 66,000	\$ 50,000	\$ -	\$ -	\$ 6,000	\$ 122,000	\$ 48,045	\$ 349,612,349	\$ (4,580,473)	

Metropolitan Water District of Salt Lake & Sandy														
Projected Cash Flow														
Last Update: June 22, 2017														
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)				0.90%		0.90%								
2017	\$ 24,292,239	\$ 3,556,365	\$ 650,000	\$ 40,357	\$ 20,000	\$ 33,106	\$ 4,299,828	\$ 19,992,411	\$ 3,403,218	\$ 2,000,000	\$ 3,284,866	\$ 392,839	\$ 9,080,923	\$ 10,911,488
2018	\$ 25,387,718	\$ 3,570,739	\$ 650,000	\$ 40,720	\$ 20,000	\$ 33,404	\$ 4,314,863	\$ 21,072,854	\$ 3,446,460	\$ 2,000,000	\$ 3,284,866	\$ 392,839	\$ 9,124,165	\$ 11,948,689
2019	\$ 30,135,166	\$ 3,681,824	\$ 650,000	\$ 41,087	\$ 20,000	\$ 33,705	\$ 4,426,615	\$ 25,708,550	\$ 4,455,751	\$ 2,000,000	\$ 3,284,866	\$ 392,839	\$ 10,133,456	\$ 15,575,094
2020	\$ 35,045,970	\$ 3,793,984	\$ 650,000	\$ 41,456	\$ 20,000	\$ 34,008	\$ 4,539,448	\$ 30,506,522	\$ 4,959,141	\$ 2,000,000	\$ 3,284,866	\$ 392,839	\$ 10,636,846	\$ 19,869,676
2021	\$ 39,658,246	\$ 3,977,238	\$ 650,000	\$ 41,830	\$ 20,000	\$ 34,314	\$ 4,723,382	\$ 34,934,864	\$ 5,827,505	\$ 2,000,000	\$ 3,284,866	\$ 392,839	\$ 11,505,210	\$ 23,429,655
2022	\$ 42,963,149	\$ 4,074,630	\$ 650,000	\$ 42,206	\$ 20,000	\$ 34,623	\$ 4,821,458	\$ 38,141,691	\$ 6,844,654	\$ 2,000,000	\$ 3,284,866	\$ 392,839	\$ 12,522,359	\$ 25,619,332
2023	\$ 44,118,600	\$ 4,176,738	\$ 650,000	\$ 42,586	\$ 20,000	\$ 34,934	\$ 4,924,258	\$ 39,194,342	\$ 6,844,855	\$ 2,000,000	\$ 3,284,866	\$ 392,839	\$ 12,822,560	\$ 26,671,781
2024	\$ 43,124,670	\$ 4,283,903	\$ 650,000	\$ 42,969	\$ 20,000	\$ 35,249	\$ 5,032,121	\$ 38,092,550	\$ 7,788,394	\$ 2,000,000	\$ 3,284,866	\$ 392,839	\$ 13,466,099	\$ 24,626,451
2025	\$ 42,969,622	\$ 4,396,657	\$ 650,000	\$ 43,356	\$ 20,000	\$ 35,566	\$ 5,145,579	\$ 37,824,043	\$ 10,106,460	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 15,391,326	\$ 22,432,717
2026	\$ 41,125,725	\$ 4,515,469	\$ 650,000	\$ 43,746	\$ 20,000	\$ 35,886	\$ 5,265,101	\$ 35,860,624	\$ 11,854,669	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 17,139,535	\$ 18,721,089
2027	\$ 37,008,388	\$ 4,640,872	\$ 650,000	\$ 44,140	\$ 20,000	\$ 36,209	\$ 5,391,221	\$ 31,617,167	\$ 13,189,768	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 18,474,634	\$ 13,142,533
2028	\$ 35,375,670	\$ 4,773,527	\$ 650,000	\$ 44,537	\$ 20,000	\$ 36,535	\$ 5,524,599	\$ 29,851,071	\$ 15,243,080	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 20,527,946	\$ 9,323,125
2029	\$ 26,594,188	\$ 4,914,095	\$ 650,000	\$ 44,938	\$ 20,000	\$ 36,864	\$ 5,665,897	\$ 20,928,291	\$ 15,028,700	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 20,313,566	\$ 614,726
2030	\$ 25,140,973	\$ 5,063,432	\$ 650,000	\$ 45,342	\$ 20,000	\$ 37,196	\$ 5,815,970	\$ 19,325,003	\$ 15,913,892	\$ 2,000,000	\$ -	\$ -	\$ 17,913,892	\$ 1,411,110
2031	\$ 26,483,581	\$ 5,222,263	\$ 650,000	\$ 45,750	\$ 20,000	\$ 37,530	\$ 5,975,544	\$ 20,508,037	\$ 17,045,944	\$ 2,000,000	\$ -	\$ -	\$ 19,045,944	\$ 1,462,094
2032	\$ 28,659,112	\$ 5,391,636	\$ 650,000	\$ 46,162	\$ 20,000	\$ 37,868	\$ 6,145,666	\$ 22,513,445	\$ 18,190,359	\$ 2,000,000	\$ -	\$ -	\$ 20,190,359	\$ 2,323,086
2033	\$ 29,246,614	\$ 5,572,598	\$ 650,000	\$ 46,578	\$ 20,000	\$ 38,209	\$ 6,327,384	\$ 22,919,230	\$ 19,265,765	\$ 2,000,000	\$ -	\$ -	\$ 21,265,765	\$ 1,653,464
2034	\$ 33,776,769	\$ 5,766,260	\$ 650,000	\$ 46,997	\$ 20,000	\$ 38,553	\$ 6,521,809	\$ 27,254,960	\$ 21,372,411	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 26,657,277	\$ 597,683
2035	\$ 33,283,735	\$ 5,973,990	\$ 650,000	\$ 47,420	\$ 20,000	\$ 38,900	\$ 6,730,310	\$ 26,553,425	\$ 23,404,168	\$ 2,000,000	\$ -	\$ -	\$ 25,404,168	\$ 1,149,257
2036	\$ 34,077,645	\$ 6,197,158	\$ 650,000	\$ 47,847	\$ 20,000	\$ 39,250	\$ 6,954,255	\$ 27,123,390	\$ 23,664,734	\$ 2,000,000	\$ -	\$ -	\$ 25,664,734	\$ 1,458,655
2037	\$ 38,504,973	\$ 6,437,453	\$ 650,000	\$ 48,277	\$ 20,000	\$ 39,603	\$ 7,195,333	\$ 31,309,640	\$ 23,933,232	\$ 2,000,000	\$ 3,284,866	\$ -	\$ 29,218,098	\$ 2,091,542
2038	\$ 46,919,056	\$ -	\$ -	\$ 48,712	\$ 20,000	\$ 39,960	\$ 108,671	\$ 46,810,384	\$ 24,217,013	\$ 2,000,000	\$ -	\$ -	\$ 26,217,013	\$ 20,593,371
2039	\$ 53,777,296	\$ -	\$ -	\$ 49,150	\$ 20,000	\$ 40,319	\$ 109,469	\$ 53,667,826	\$ 24,513,257	\$ 2,000,000	\$ -	\$ -	\$ 26,513,257	\$ 27,154,569
2040	\$ 50,038,985	\$ -	\$ -	\$ 49,592	\$ 20,000	\$ 40,682	\$ 110,275	\$ 49,282,711	\$ 23,066,574	\$ 2,000,000	\$ -	\$ -	\$ 25,066,574	\$ 24,862,137
2041	\$ 53,300,478	\$ -	\$ -	\$ 50,039	\$ 20,000	\$ 41,048	\$ 111,087	\$ 53,189,391	\$ 23,420,659	\$ 2,000,000	\$ -	\$ -	\$ 25,420,659	\$ 27,768,732
2042	\$ 54,574,594	\$ -	\$ -	\$ 50,489	\$ 20,000	\$ 41,418	\$ 111,907	\$ 54,462,687	\$ 23,761,688	\$ 2,000,000	\$ -	\$ -	\$ 25,761,688	\$ 28,700,999
2043	\$ 53,689,508	\$ -	\$ -	\$ 50,944	\$ 20,000	\$ 41,790	\$ 112,734	\$ 53,576,774	\$ 24,114,226	\$ 2,000,000	\$ -	\$ -	\$ 26,114,226	\$ 27,462,548
2044	\$ 50,456,737	\$ -	\$ -	\$ 51,402	\$ 20,000	\$ 42,167	\$ 113,569	\$ 50,343,168	\$ 24,482,626	\$ 2,000,000	\$ -	\$ -	\$ 26,482,626	\$ 23,860,543
2045	\$ 45,133,611	\$ -	\$ -	\$ 51,865	\$ 20,000	\$ 42,546	\$ 114,411	\$ 45,019,200	\$ 24,843,080	\$ 2,000,000	\$ -	\$ -	\$ 26,843,080	\$ 18,176,120
2046	\$ 37,601,429	\$ -	\$ -	\$ 52,331	\$ 20,000	\$ 42,929	\$ 115,260	\$ 37,486,169	\$ 25,214,574	\$ 2,000,000	\$ -	\$ -	\$ 27,214,574	\$ 10,271,596
2047	\$ 27,777,953	\$ -	\$ -	\$ 52,802	\$ 20,000	\$ 43,315	\$ 116,118	\$ 27,661,835	\$ 25,631,889	\$ 2,000,000	\$ -	\$ -	\$ 27,631,889	\$ 29,946
2048	\$ 26,046,343	\$ -	\$ -	\$ 53,278	\$ 20,000	\$ 43,705	\$ 116,983	\$ 25,929,360	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 23,929,360
2049	\$ 25,941,077	\$ -	\$ -	\$ 53,757	\$ 20,000	\$ 44,099	\$ 117,856	\$ 25,823,221	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 23,823,221
2050	\$ 24,124,451	\$ -	\$ -	\$ 54,241	\$ 20,000	\$ 44,495	\$ 118,736	\$ 24,005,715	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 22,005,715
2051	\$ 21,036,742	\$ -	\$ -	\$ 54,729	\$ 20,000	\$ 44,896	\$ 119,625	\$ 20,917,117	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 18,917,117
2052	\$ 18,627,840	\$ -	\$ -	\$ 55,222	\$ 20,000	\$ 45,300	\$ 120,522	\$ 18,507,319	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 16,507,319
2053	\$ 16,860,431	\$ -	\$ -	\$ 55,719	\$ 20,000	\$ 45,708	\$ 121,426	\$ 16,739,004	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 14,739,004
2054	\$ 15,679,539	\$ -	\$ -	\$ 56,220	\$ 20,000	\$ 46,119	\$ 122,339	\$ 15,557,200	\$ 14,440,050	\$ -	\$ -	\$ -	\$ 14,440,050	\$ 1,117,150
2055	\$ 23,392,730	\$ -	\$ -	\$ 56,726	\$ 20,000	\$ 46,534	\$ 123,260	\$ 23,269,470	\$ 15,046,000	\$ 2,000,000	\$ -	\$ -	\$ 17,046,000	\$ 6,223,470
2056	\$ 24,793,452	\$ -	\$ -	\$ 57,237	\$ 20,000	\$ 46,953	\$ 124,190	\$ 24,669,262	\$ 15,680,763	\$ 2,000,000	\$ -	\$ -	\$ 17,680,763	\$ 6,988,499
2057	\$ 19,215,537	\$ -	\$ -	\$ 57,752	\$ 20,000	\$ 47,375	\$ 125,127	\$ 19,090,409	\$ 16,345,843	\$ 2,000,000	\$ -	\$ -	\$ 18,345,843	\$ 744,567
2058	\$ 16,810,437	\$ -	\$ -	\$ 58,272	\$ 20,000	\$ 47,802	\$ 126,073	\$ 16,684,363	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 14,684,363
2059	\$ 17,148,760	\$ -	\$ -	\$ 58,796	\$ 20,000	\$ 48,232	\$ 127,028	\$ 17,021,732	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 15,021,732
2060	\$ 18,398,839	\$ -	\$ -	\$ 59,325	\$ 20,000	\$ 48,666	\$ 127,991	\$ 18,270,848	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 16,270,848
2061	\$ 20,562,179	\$ -	\$ -	\$ 59,859	\$ 20,000	\$ 49,104	\$ 128,963	\$ 20,433,215	\$ 19,342,390	\$ -	\$ -	\$ -	\$ 19,342,390	\$ 1,090,826
2062	\$ 19,600,147	\$ -	\$ -	\$ 60,398	\$ 20,000	\$ 49,546	\$ 129,944	\$ 19,470,203	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 17,470,203
2063	\$ 20,516,355	\$ -	\$ -	\$ 60,941	\$ 20,000	\$ 49,992	\$ 130,933	\$ 20,385,422	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 18,385,422
2064	\$ 21,926,457	\$ -	\$ -	\$ 61,490	\$ 20,000	\$ 50,442	\$ 131,932	\$ 21,794,526	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 19,794,526
2065	\$ 25,405,796	\$ -	\$ -	\$ 62,043	\$ 20,000	\$ 50,896	\$ 132,939	\$ 25,272,856	\$ 22,968,012	\$ 2,000,000	\$ -	\$ -	\$ 24,968,012	\$ 304,844
2066	\$ 23,626,853	\$ -	\$ -	\$ 62,602	\$ 20,000	\$ 51,354	\$ 133,956	\$ 23,492,898	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 21,492,898
2067	\$ 25,421,001	\$ -	\$ -	\$ 63,165	\$ 20,000	\$ 51,816	\$ 134,981	\$ 25,286,020	\$ 25,060,853	\$ -	\$ -	\$ -	\$ 25,060,853	\$ 225,167
2068	\$ 20,279,770	\$ -	\$ -	\$ 63,734	\$ 20,000	\$ 52,282	\$ 136,016	\$ 20,143,754	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 18,143,754
2069	\$ 16,147,466	\$ -	\$ -	\$ 64,307	\$ 20,000	\$ 52,753	\$ 137,060	\$ 16,010,406	\$ 15,689,210	\$ -	\$ -	\$ -	\$ 15,689,210	\$ 321,196
2070	\$ 10,424,235	\$ -	\$ -	\$ 64,886	\$ 20,000	\$ 53,228	\$ 138,114	\$ 10,286,122	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 8,286,122
2071	\$ 5,338,353	\$ -	\$ -	\$ 65,470	\$ 20,000	\$ 53,707	\$ 139,177	\$ 5,199,176	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ 3,199,176
2072	\$ 757,880	\$ -	\$ -	\$ 66,059	\$ 20,000	\$ 54,190	\$ 140,249	\$ 617,630	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 617,630

Cash Flow Analysis Assumptions

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY
CASH FLOW ANALYSIS ASSUMPTIONS
March 13, 2017

Fiscal year based on July 1 through June 30 of each year. Fiscal Year (FY) 2018 runs from July 1, 2017 thru June 30, 2018.

- 1. District Regular Operating Expenses:** for FY 2017 the amount shown is the budgeted expenditures expected for June 30, 2017 based on the adopted budget for the period ending June 30, 2017. The projected spend as of December 31, 2016 is approximately \$1,077,657 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 1.76% annual increase for future years. This assumed increase is based on actual experience from FY 2014, FY 2015, and FY 2016 (3-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 7.19%.
- 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 11.69%. 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 2018: \$20.00 (33% increase)
 - b. FY 2019: \$30.00 (50% increase)
 - c. FY 2020: \$40.00 (33% increase)
 - d. FY 2021: \$50.00 (25% increase)
 - e. 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.
 - f. The escalated percentages in columns 2 and 3 for years beyond FY 2021 reflect historical increases prior to FY 2017 (11-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 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 2071, the 50-year 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 nine-year average is 3332 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):** reflects 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 2020. 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--61,700 shares multiplied by \$2.04578/share (or 61.7% of the annual amount due of \$204,578.00). 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--61,700 shares multiplied by \$1.64932/share (or 61.7% of the annual amount due of \$164,932.00). 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. This repayment is being made to BAF at 4.87% interest. The BAF loan ends its 5-year term with a balloon payment due on October 1, 2017. It is anticipated that the loan will not be extended and that the balloon payment will be made. MWDSLS intends to pay its portion of the balloon payment and forego additional financing via PRWUA.
- 29. PRWUA O&M Assessment:** FY 2018 is forecasted at \$22.34 per share for 61,700 shares. Based on a 22-year average, a 5.21% increase is assumed for future years.
- a. FY 2019: \$23.17 (3.72% increase)
 - b. FY 2020: \$24.02 (3.67% increase)
 - c. FY 2021: \$24.90 (3.66% increase)
 - d. Increases beyond FY 2021 have not been forecasted.
 - e. The escalated percentages in column 29 for years beyond FY 2021 reflect historical increases prior to FY 2018 and do not factor in the increases shown for FY 2018 through FY 2021.
- 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 3-year average, a 5.34% 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 a 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 in 2021. The repayment will continue until FY 2071. The following years will be OM&R costs only. The reduction of 3000 acre feet translates to a cost savings to MWDSLS' member cities of approximately \$1.3 million annually during the 50-year repayment period.
- 41. CUP ULS Petition Repayment Unit Cost:** The annual petition repayment cost of CUP ULS water was estimated to be \$293.32 per acre foot (April 22, 2004 dollars; Engineering News Record Construction Cost Index (ENR CCI) of 7017; see page 9-20 of the Draft Supplement to the 1988 Definite Plan Report for the Bonneville Unit). [The 40-year amortization was estimated to be \$324.51 per acre foot (April 22, 2004 dollars).] In order to estimate the cost in today's dollars, the escalated amount based on the ENR CCI for November 2016 (10,442) is \$436.49 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 2028, costs are based on the average of the prior years. Thereafter, the amount is escalated at a 6% increase each year based on the forecasted average increase for the 10-year projection. The 15-year historical average is 58% 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 2016 certified rate for Salt Lake City is 0.000349. 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 2016 certified rate for Sandy City is 0.000376. 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 52 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 average volume of the prior five fiscal years is 47,746 acre feet. 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 and recent weather patterns, 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 average volume of the prior five fiscal years is 18,354 acre feet. The September 2006 Supply and Demand Study indicated that Sandy City would be purchasing 12,200 acre feet annually by FY 2015. Based on successful conservation efforts and recent weather patterns, 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 2018 remain at the same level as FY 2017. Starting with FY 2019, the rates escalate as shown in column 52.
- 60. Non-member Entity Water Volume (AF):** The minimum of the prior fiscal years is 669 acre feet (FY 2011; high runoff year) 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 2018 remains at the same level as FY 2017 (\$110 per acre foot). 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 fund 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 five fiscal years is 8123 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 Treatment Charge Revenue and Conveyance Fees:** Total non-member entity revenue amount for treatment 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 2021. 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 2017. Future extensions of the agreement are anticipated and details will be included when they are available.

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 0.9% per annum. The 12-month average for the Public Treasurers Investment Pool is 0.9349%.

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 2017 amount is determined by current balances in the bank and the bond fund accounts as of January 31, 2017, 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. JWTP 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 2018 Budget Schedule

Last Updated: April 12, 2017

- **January 5** – Discuss budget process and schedule with managers.
- **January 12** – Deadline for submitting capital improvement projects to Engineering and Maintenance Manager.
- **January 23** – Provide electronic budget forms to General Manager/Managers
- **February 2** – Engineering and Maintenance and Operations Departments budget presentation at staff meeting.
- **February 9** – Administrative and Information Services Departments budget presentation at staff meeting.
- **February 15** – Engineering Committee Meeting (10:00 AM; preliminary discussion related to capital budget).
- **February 16** – Deadline for draft budget numbers to be submitted by managers to GM
- **March 2**– Budget discussion with managers at staff meeting.
- **March 8** – Management Advisory Committee Meeting (8:30 AM; preliminary discussion related to staffing and compensation schedule).
- **March 27** – Board Meeting, work session to discuss budget.
- **April 17** – Finance Committee Meeting (2:30 PM) - (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 17** – Board Meeting-consider adoption of the tentative budget.
- **May 1** – 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 2** – Presentation to the Salt Lake City Council (time tbd; Salt Lake City Hall).
- **May 3** – Engineering Committee Meeting (10:00 AM; discussion related to capital budget).
- **May 8** - 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 15** – Board Meeting – Tentative budget public hearing (6:00 P.M.).
- **May 16** – Presentation to the Sandy City Council (5:15 PM; Sandy City Hall).
- **June 7** – Management Advisory and Finance Committee Meetings.
- **June 19** – 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 19** – 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 14** – 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 \$42,513 (based on FY2017 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.

<i>Department</i>	<i>FY2017</i>	<i>FY2018</i>	<i>FY2019</i>	<i>FY2020</i>	<i>Cost Center</i>
Administrative	4	4	4	4	10
Information Services	20	20	20	20	24 & 50
Operations	13	12	14	12	22
Engineering & Maintenance	28	29	29	29	23 & 25
Temporary Intern	1	1	0	1	10
Seasonal Grounds Worker	1	1	1	1	23
Totals	67	67	68	67	

One FTE transfers from the Operations department to the Engineering & Maintenance department to support efforts to inspect and maintain the District's right of way.

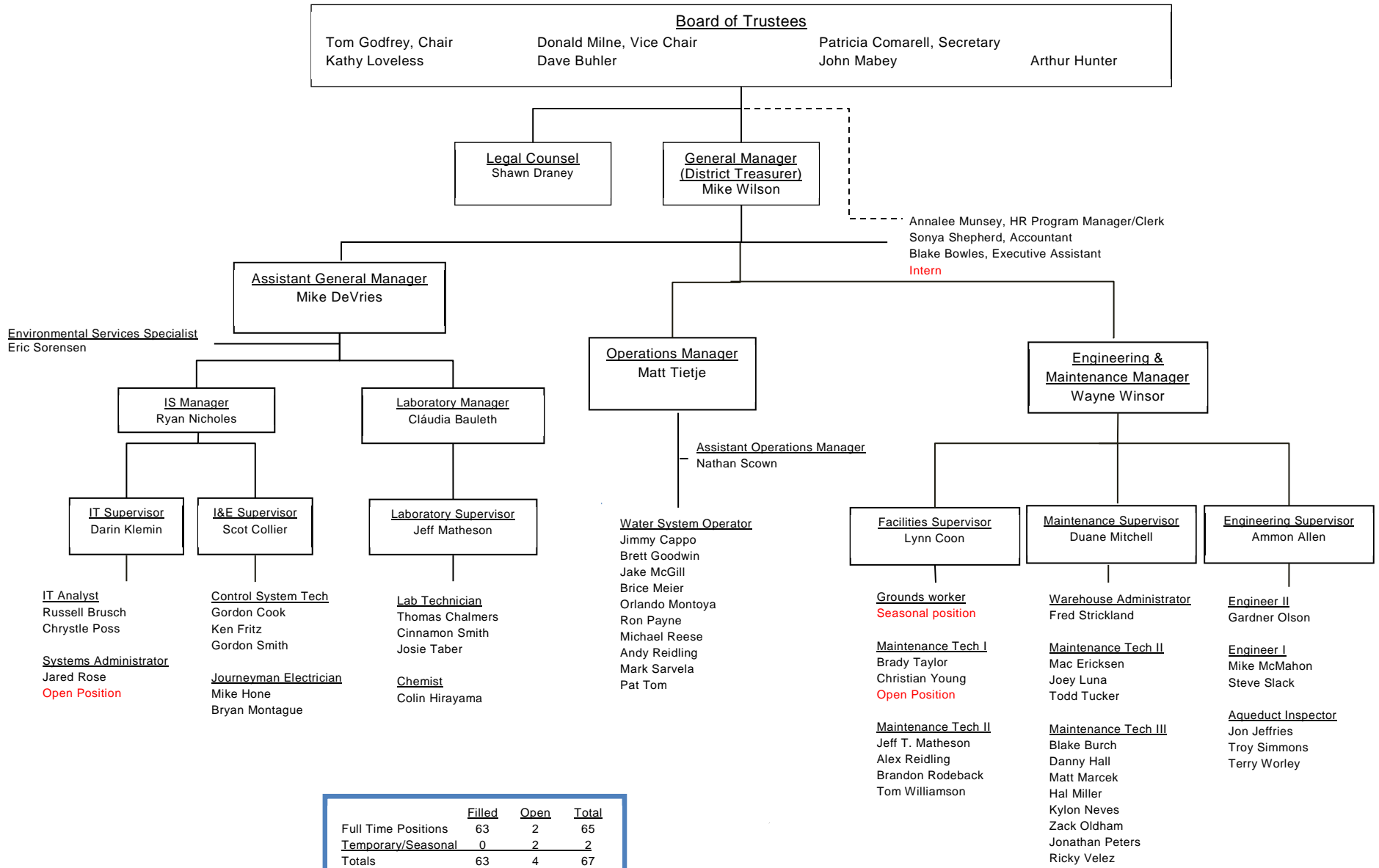
An FTE in the Engineering & Maintenance department is proposed to be converted to an Engineering Supervisor position. This is further explained in Section III: Job Grades & Salary Ranges.

In Fiscal Year 2019, the Operations department increases to 14 FTEs. The two extra Water Systems Operators are needed to address succession planning purposes for anticipated Operator retirements. This will partially be offset by eliminating the Intern FTE for FY19. A return to normal staffing levels in FY20 is anticipated.

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

Last Updated: 4/10/17

Metropolitan Water District of Salt Lake & Sandy Organizational Chart Fiscal Year 2018



	Filled	Open	Total
Full Time Positions	63	2	65
Temporary/Seasonal	0	2	2
Totals	63	4	67

Staffing and Compensation Schedule

II. Benefits

The District offers employees a benefits package which requires a significant financial contribution on the part of the District. For more information regarding the specific plans, please refer to the Metropolitan Water District of Salt Lake & Sandy Policies and Procedures manual.

The District provides the following benefits:

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

The following table (Attachment B) reflects calendar year 2017 current District benefit facts with projections for Fiscal Year 2018.

Attachment C reflects Fiscal Year 2017 current District URS facts with projections for Fiscal Year 2018.

Attachment B

District Benefit Facts

Medical Insurance Premiums	95% of Premium	Enrolled	Total	Monthly Medical Total
Single	\$ 462.44	11	\$ 5,086.85	
Employee plus spouse	\$ 1,040.50	16	\$ 16,647.95	
Employee plus child(ren)	\$ 943.39	3	\$ 2,830.16	
Family	\$ 1,364.22	31	\$ 42,290.79	
Open Positions	\$ 1,364.22	4	\$ 5,456.88	
		65		\$ 72,312.63
Health Savings Account	Contribution	Enrolled	Total	Monthly H.S.A. Total
Individual	\$ 183.33	11	\$ 2,016.67	
Family (includes double)	\$ 408.33	50	\$ 20,416.67	
Open Positions	\$ 408.33	4	\$ 1,633.33	
		65		\$ 24,066.67
Dental Insurance Premiums	Premium	Enrolled	Total	Monthly Dental Total
Single	\$ 25.26	11	\$ 277.86	
Employee plus spouse	\$ 50.10	16	\$ 801.60	
Employee plus child(ren)	\$ 64.54	2	\$ 129.08	
Family	\$ 97.89	32	\$ 3,132.48	
Open Positions	\$ 97.89	4	\$ 391.56	
		65		\$ 4,732.58
Life Insurance, AD&D, LTC, LTD	Premium	Enrolled	Total	Monthly Other Insurance Total
Basic Life (\$50,000)	\$ 11.20	65	\$ 728.00	
Basic Life (\$10,000 spouse;\$2,500 dependents)	\$ 2.39	65	\$ 155.35	
Basic AD&D (\$250,000)	\$ 8.75	65	\$ 568.75	
Long-term care (average amount)	\$ 8.15	65	\$ 529.75	
Long-term disability (average amount)	\$ 17.08	65	\$ 1,110.20	
				\$ 3,092.05
Totals				
Calendar Year 2017 Monthly Totals Medical/HSA/Dental/Other				\$ 104,203.93
Calendar Year 2017 Total Medical/HSA/Dental/Other				\$ 1,250,447.14
Calendar Year 2018 estimated increases				
Medical: estimated FY 2018 total increase based on 15% increase on 1/1/18 and Employee paying 5% of premium				\$ 65,081.37
Participatory Wellness Program incentive awarded on 1/1/18				\$ 32,500.00
Health Savings: estimated FY 2018 total based on 13.5% decrease on 1/1/18				\$ (19,494.00)
Dental: estimated FY 2018 total increase based on 5% increase on 1/1/18				\$ 1,419.77
Other: estimated FY 2018 total increase based on 2% increase on 1/1/18				\$ 371.05
FY2018 Estimated Budget				\$ 1,330,325
		Percent increase over prior fiscal year		6.39%

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. If the employee has a spouse on the plan, the employee will receive \$250 if they participate and \$250 if the spouse participates. If the employee does not have a spouse on the plan, the employee would receive \$500 for participation in their Health Savings Account in 2018. The PWP requirements are as follows:

Employee and spouse (if applicable) complete two of the following: flu shot, preventative wellness visit with personal physician, biometric screening, or health risk assessment before December 1, 2017.

*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.

Attachment C

Retirement Facts

Fiscal Year	Contribution Rate	Percent Increase	Pension contribution amount	District 401k Match	Contributions made by Employees
2008	11.62%	0.26%	\$ 383,953.00	\$ 102,858.00	\$ 220,375.00
2009	11.62%	0.00%	\$ 415,010.00	\$ 87,416.00	\$ 255,360.00
2010	11.66%	0.34%	\$ 411,155.00	\$ 84,526.00	\$ 222,396.00
2011	13.37%	14.67%	\$ 464,291.00	\$ 89,202.00	\$ 200,133.00
2012	13.77%	2.99%	\$ 481,959.00	\$ 82,492.62	\$ 211,645.45
2013	16.04%	16.49%	\$ 577,468.00	\$ 82,829.14	\$ 217,381.85
2014	17.29%	7.79%	\$ 684,959.00	\$ 94,206.78	\$ 226,983.49
2015	18.47%	6.82%	\$ 703,997.01	\$ 99,674.53	\$ 246,794.05
2016	18.47%	0.00%	\$ 757,047.46	\$ 110,987.43	\$ 281,757.61
2017	18.47%	0.00%	\$ 742,221.24	\$ 109,851.20	\$ 280,224.06
2018	18.47%	0.00%	\$ 785,863.00	\$ 112,376.00	\$ 291,433.02

Fiscal Year 2017 pension contribution and district match amounts are based on current salary and employee contribution percentages.

Fiscal Year 2018 pension contribution and District 401k Match amounts are based on a decrease from grade reclassifications and a 4% merit-based increase.

Staffing and Compensation Schedule

III. Job Grades & Salary Ranges

The attached job grades and salary ranges sheet (Attachment D) incorporates a traditional pay structure with current District positions. The District is proposing a 3.0% merit-based and a 1.0% health savings account offset salary increase.

The District will move the Facilities Supervisor position from grade 10 to grade 9. In addition, the District will convert an Engineering & Maintenance position to an Engineering Supervisor position in grade 11. The Engineering Supervisor position will not increase the number of FTEs.

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 fiscal year 2018 budget the District is including \$4,680.00 in salary and wages to support the program.

Staffing and Compensation Schedule

V. Wage and Salary Statistics

The FY 2018 Budget includes a proposed 4% merit-based increase. This includes 1.0% for an offset to changes in contribution amount to the health savings account and a 3% increase based on merit.

Fiscal Year 2018 Salary Review Comparison

Entity	FY16	FY17	FY18	The FY18 budgeted increase details:		
				Merit	COLA	Comment
Metropolitan Water District of Salt Lake & Sandy	4.1%*	3.00%	4.00%	4.00%	N/A	Approved for FY18
Salt Lake City Public Utilities	2.00%	1.25%	2.00%	N/A	2.00%	Approved for FY18
Sandy City	4.80%	4.00%	3.00%	3.00%	0.00%	Approved for FY18
Provo River Water Users Association	3.00%	3.50%	3.00%	3.00%	0.00%	Approved Nov 2016
Jordan Valley Water Conservancy District	3.00%	3.00%	3.00%	3.00%	N/A	Approved for FY18
Weber Basin Water Conservancy District	3.40%	4.00%	3.50%	2.00%	1.50%	Approved for Calendar Year 2017
Central Utah Water Conservancy District	3.00%	3.00%	3.00%	3.00%	N/A	Approved for FY18
Average	3.20%	3.11%	3.07%	3.00%	0.88%	

* Included 1% offset for changes to employees paying 5% of health insurance premiums.

Reference Information

Consumer Price Index

Source (Jan. 1 - Dec. 31, 2016)	
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)	2.5%

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, 2016)	
State and local government	2.1%
Mountain-Plains	1.9%

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

2018 Projected Salary Budget Increases

World at Work 43rd 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 43rd Annual Salary Budget Survey	
All Employee Categories	2.1%

Staffing and Compensation Schedule

VI. Conclusion

Based on the proposed decreases from grade reclassification, 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 \$177,532. The various components are broken down as follows:

\$70,820	Salary & Wages
\$88,329	Medical Insurance Premiums (Health, Dental, Health Savings Account)
\$(3,044)	Other Insurance (Life, AD&D, LTD, LTC)
\$5,660	Payroll Taxes
\$15,767	Utah Retirement

Based on the above, the net increase in personnel costs to the District is estimated to be 0.7% of the overall O&M Budget (excluding interest costs).

Resolution for Budget Approval

METROPOLITAN WATER DISTRICT OF SALT LAKE & SANDY

RESOLUTION NO. 1889

WHEREAS, on April 17, 2017 this District duly adopted a tentative budget for the fiscal year beginning July 1, 2017; and

WHEREAS, pursuant to appropriate public notice, on May 15, 2017, at 6:00 p.m., a public hearing was held by this District regarding: 1) the budget of this District for the fiscal year beginning July 1, 2017; and, 2) the purposes and necessities of taxation for use for District purposes; and 3) the purposes and necessities of increasing this District's general wholesale water rates and other fees.

NOW, THEREFORE, BE IT RESOLVED AND IT IS HEREBY RESOLVED
that:

1. The tentative budget as adopted on April 17, 2017 and as amended on June 19, 2017 is adopted as the final budget of this District for the fiscal year beginning on July 1, 2017. Amendments to the tentative budget are as follows:
 - a. Decrease in general insurance of \$24,804.07 due to updated premium cost information.
 - b. Increase of \$1,466,385 to Terminal Reservoir Replacement Project capital improvement project (account code 1836-10) to increase the total FY 2018 budget amount to \$2,056,000.
 - c. Increase of \$110,000 to LCWTP Fluoride Storage capital improvement project (account code 1837-10) to increase the total FY 2018 budget amount to \$300,000.
 - d. The net increase to the tentative budget is \$1,551,580.93.
2. The rate of taxation on all taxable property within this District during the 2017 tax year for use for District purposes during the fiscal year beginning July 1, 2017 is hereby fixed and levied at the certified tax rate of 0.000325 as established by the Salt Lake County auditor for the taxable property within Salt Lake City and 0.000347 for the taxable property within Sandy City. The amount of money to be derived from the area of this District lying within Salt Lake City is the minimum sum of \$7,285,250 for property taxes. The amount of money to be derived from the area of this District lying within Sandy City is the minimum sum of \$2,389,459.
3. For the fiscal year beginning July 1, 2017, the District's fees are adopted as outlined in the District's fee schedule.
4. For the fiscal year beginning July 1, 2017, the District elects to take a formal action regarding employer "pick-up" elections (member contributions paid by employer). The District provides a matching contribution up to a maximum of 3% to 401(k) accounts.

ADOPTED by the Board of Trustees of the Metropolitan Water District of Salt Lake &

Sandy on this 19th day of June, 2017, upon roll call as follows:

David Buhler, Trustee	-excused
Patricia Comarell, Trustee	-aye
Tom Godfrey, Trustee	-aye
Arthur Hunter, Trustee	-aye
Kathy W. Loveless, Trustee	-aye
John H. Mabey, Jr., Trustee	-aye
Donald Y. Milne, Trustee	-aye

Salt Lake County Auditors/State Tax Commission Forms



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Tax Year 2017 County 18_SALT LAKE Entity 4290_METROPOLITAN WATER DISTRICT - SANDY CITY

Accounting Cycle: Fiscal Year

Tax Rate Summary (693) SSD

Preliminary Data

Certified Rates set by Auditor	Proposed Rates set by Entity	Proposed Rates Approved by County	Proposed Rates Approved by State OK to Print	Final Tax Rates Approved by State	Rates Finalized
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(1) Budget Code	(2) Budget Name	(3) Election Date	(4) Voted Rate Limit	(5) Utah Annotated Code	(6) Maximum By Law	(7) Calculated Certified Tax Rate	(8) Auditor's Certified Tax Rate	(9) Auditor's Certified Rate Revenue	(10) Proposed Tax Rate	(11) Budgeted Revenue	(12) Final Tax Rate	(13) Final Budgeted Revenue
150	Water Conservancy			§17B-2a-1006	check statute	0.000347	0.000347	2,389,459	0.000347	2,389,459	0.000347	2,389,459
	Total Tax Rate					0.000347	0.000347	2,389,459	0.000347	2,389,459	0.000347	2,389,459

NOTES:



Certified Tax Rates



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Tax Year County Entity

Accounting Cycle: Fiscal Year

Tax Rate Summary (693) SSD

Preliminary Data

Certified Rates set by Auditor	Proposed Rates set by Entity	Proposed Rates Approved by County	Proposed Rates Approved by State OK to Print	Final Tax Rates Approved by State	Rates Finalized
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150	Water Conservancy			§17B-2a-1006	check statute	0.000325	0.000325	7,285,250	0.000325	7,285,250	0.000325	7,285,250
190	Discharge of Judgement			§59-2-1328 & 1330	Sufficient	0.000000		0				
Total Tax Rate						0.000325	0.000325	7,285,250	0.000325	7,285,250	0.000325	7,285,250

NOTES:

Budget Acronyms

Budget Acronyms

Last update: March 21, 2017

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 System
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	