

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 03 REVENUE

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019 YTD	2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301 BEGINNING WORKING CAPITAL

	-11,626,817		-12,236,827		-13,147,277		-13,147,277	-13,147,277	-12,877,835		-12,877,835	
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TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

	-11,626,817		-12,236,827		-13,147,277		-13,147,277	-13,147,277	-12,877,835		-12,877,835	
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CLASS: 15 INTERGOVERNMENTAL REVENUE

329 OTHER INTERGOVERNMENTAL REV

	-294		-101,872		-88,820			-88,820	-80,000		-80,000	
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TOTAL CLASS: 15 INTERGOVERNMENTAL REVENUE

	-294		-101,872		-88,820			-88,820	-80,000		-80,000	
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CLASS: 20 PERMITS & FEES

355 WATER METER INSTALLATION FEES

	-10,134		-51,989		-45,000		-31,704	-25,000	-20,000		-20,000	
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TOTAL CLASS: 20 PERMITS & FEES

	-10,134		-51,989		-45,000		-31,704	-25,000	-20,000		-20,000	
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CLASS: 25 SERVICE FEES

361 WATER SALES

	-9,126,336		-10,127,493		-10,886,780		-10,194,347	-11,218,780	-14,037,532		-15,316,462	
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362 UNMETERED WATER SALES

	-3,576		-29,914		-14,000		-19,260	-20,000	-15,000		-15,000	
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364 CUSTOMER SERV CHARGES

	-25,420		-27,385		-25,000		-23,825	-23,750	-25,000		-25,000	
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366 DEMAND CHARGE

	-3,305,627		-3,579,324		-3,900,000		-3,807,105	-4,161,800	-5,366,782		-5,366,782	
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369 UTILITY SALES ALLOWANCES

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 03 REVENUE

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019 YTD	2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
	63,474		71,077		75,000		93,697	75,000	85,000		85,000	
TOTAL CLASS: 25 SERVICE FEES												
	-12,397,485		-13,693,039		-14,750,780		-13,950,840	-15,349,330	-19,359,314		-20,638,244	
CLASS: 35 MISCELLANEOUS REVENUES												
382 SALE OF CITY OR BURA PROPERTY												
	-29,206		-12,825				-6,693	-3,368				
384 INVESTMENT INTEREST EARNINGS												
	-148,244		-206,543		-235,400		-219,346	-275,600	-313,600		-313,600	
389 MISCELLANEOUS REVENUES												
	-51,002		-34,547		-30,000		-32,116	-30,000	-30,000		-30,000	
394 MISC INTEREST EARNINGS												
	-18,108		-19,318		-40,000		-55,639	-20,000	-20,000		-20,000	
398 SRVS PROVIDED TO OTHER FUNDS												
	-121,745		-91,179		-60,000		-295,162	-300,000	-200,000		-200,000	
399 REIMBURSEMENTS - OTHER												
	-173		-280									
753 ENERGY EFFICIENCY REBATES												
							-6,160					
757 MED/LIFE INS PREM REFUND DISTRIBUTION												
	-5,210		-3,656				-2,261	-2,261				
TOTAL CLASS: 35 MISCELLANEOUS REVENUES												
	-373,688		-368,348		-365,400		-617,377	-631,229	-563,600		-563,600	
TOTAL DEPARTMENT: 03 REVENUE												
	-24,408,418		-26,452,075		-28,397,277		-27,747,198	-29,241,656	-32,900,749		-34,179,679	

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019 YTD	2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

046	PRINCIPAL ENGINEER											
	52,867	.40	53,062	.40	55,197	.40	50,998	55,074	57,940	.40	57,940	.40
068	ENGINEERING ASSOCIATE											
					37,453	1.00	5,107	26,536	83,970	1.00	83,970	1.00
084	PROJECT ENGINEER 1											
	110,439	1.50	141,555	1.50	235,593	2.50	212,078	234,983	214,071	2.10	214,071	2.10
123	ENGINEERING TECH 2											
									35,314	.50	35,314	.50
124	ENGINEERING CONST INSPECTOR											
		.40	24,829	.40	26,813	.40	23,982	27,884				
175	PROJECT ENGINEER 2											
			30,591	1.00	114,248	1.00	101,033	111,888	214,973	2.00	214,973	2.00
221	SUPPORT SPECIALIST 2											
	22,009	.50	23,721	.50	25,646	.50	22,916	25,537	28,021	.50	28,021	.50
299	PAYROLL TAXES AND FRINGES											
	95,823		141,845		281,032		194,696	233,863	367,345		367,345	
TOTAL CLASS: 05 PERSONNEL SERVICES												
	281,138	2.80	415,603	3.80	775,982	5.80	610,810	715,765	1,001,634	6.50	1,001,634	6.50

CLASS: 10 MATERIALS & SERVICES

303	OFFICE FURNITURE & EQUIPMENT											
			1,616		5,600		2,096	3,500	3,100		3,100	
305	SPECIAL DEPARTMENT SUPPLIES											
	57		70		400		4	200	400		400	
307	MEMBERSHIP FEES											
	46,968		48,390		52,150		54,395	54,395	60,925		60,925	
314	OUTSIDE REPRODUCTION EXPENSES											
	955				1,000				1,000		1,000	
317	COMPUTER EQUIPMENT											

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019 YTD	2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
			5,294		10,535		7,517	3,150	1,500		1,500	
318	COMPUTER SOFTWARE											
			4,000		2,000				30,000		30,000	
321	TRAVEL, TRAINING & SUBSISTENCE											
	7,124		10,785		14,600		5,524	7,000	25,825		25,825	
328	MEALS & RELATED EXPENSE											
	602		608		1,500		1,342	800	1,500		1,500	
341	COMMUNICATIONS EXPENSE											
361	UNIFORMS & SPECIAL CLOTHING											
			597		600		446	600	750		750	
444	ASR OPERATING & MONITORING EXP											
					195,978		195,977	195,978	306,550		306,550	
445	NON-CIP ENGINEERING EXPENSE											
									50,000		50,000	
461	SPECIAL EXPENSE											
	15,941		13,341		34,600		7,350	5,000	30,900		30,900	
511	PROFESSIONAL SERVICES											
	63,163		63,537		66,948		63,185	66,948	461,800		461,800	
TOTAL CLASS: 10 MATERIALS & SERVICES												
	134,810		148,238		385,911		337,836	337,571	974,250		974,250	
CLASS: 25 TRANSFERS												
816	TRSFERS TO REPROGRAPHICS FUND											
	2,540		3,709		3,327		1,645	3,327	1,651		1,651	
817	TRSFERS TO GARAGE FUND											
	639				857			857				
835	TRSFER TO GF, BVTN BLDG OPERATIONS											
			20,592		10,296		9,438	10,296	16,701		16,701	
836	TRSFER TO GF, BVTN BLDG DEBT SVC											

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019 YTD	2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
			27,400		10,356		9,493	10,356	12,834		12,834	
TOTAL CLASS: 25 TRANSFERS												
	3,179		51,701		24,836		20,576	24,836	31,186		31,186	
TOTAL DEPARTMENT: 72 CAPITAL DEVELOPMNT-ENGINEERING												
	419,127	2.80	615,542	3.80	1,186,729	5.80	969,222	1,078,172	2,007,070	6.50	2,007,070	6.50

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019 YTD	2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

049	PROG COORDINATOR -PUBLIC WORKS											
			17,568	1.00	78,922	1.00	67,805	74,210	88,163	1.00	88,163	1.00
057	PUBLIC WORKS SUPERVISOR											
	66,961	1.00	108,281	2.00	179,490	2.00	171,543	178,197	192,562	2.00	192,562	2.00
112	PUBLIC WORKS MANAGER 3											
	108,886	1.00	111,346	1.00	114,128	1.00	107,294	116,160	122,139	1.00	122,139	1.00
133	WATER CUSTOMER SERVICE TECH											
	57,386	1.00	62,949	1.00	67,709	1.00	70,650	70,110	66,736	1.00	66,736	1.00
162	WATER DISTRIBUTION LEAD											
	85,586	2.00	154,431	2.00	162,803	2.00	157,231	161,839	171,043	2.00	171,043	2.00
173	WATER DISTRIBUTION TECHNICIAN											
	298,262	6.00	194,214	6.00	328,100	6.00	177,980	191,045	338,999	6.00	338,999	6.00
178	WATER QUALITY TECHNICIAN											
	148,211	2.00	120,613		51,680	1.00		8,527	54,502	1.00	54,502	1.00
188	INVENTORY CONTROL TECHNICIAN											
	13,757	.25	15,822	.25								
209	WATER DISTRIBUTION EQUIP OPER											
	144,706	3.00	166,563	3.00	291,860	5.00	313,053	324,305	336,746	5.00	336,746	5.00
299	PAYROLL TAXES AND FRINGES											
	478,637		520,424		883,936		628,550	696,826	954,745		954,745	

TOTAL CLASS: 05 PERSONNEL SERVICES

	1,402,392	16.25	1,472,211	16.25	2,158,628	19.00	1,694,106	1,821,219	2,325,635	19.00	2,325,635	19.00
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CLASS: 10 MATERIALS & SERVICES

301	OFFICE EXPENSE											
	65		304		900		783	1,058	1,300		1,300	
303	OFFICE FURNITURE & EQUIPMENT											
	1,232		1,488		1,400		801	950	2,050		2,050	
304	DEPARTMENT EQUIPMENT EXPENSE											

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019 YTD	2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
	36,345		24,243		57,500		52,075	55,000	72,000		72,000	
305	SPECIAL DEPARTMENT SUPPLIES											
	7,884		5,983		10,800		10,596	10,800	11,800		11,800	
307	MEMBERSHIP FEES											
	11,551		11,949		14,905		14,331	14,300	16,981		16,981	
308	PERIODICALS & SUBSCRIPTIONS											
	389		200		500		532	505	870		870	
316	ADVERTISING, RECORDING & FILING											
			2,118									
317	COMPUTER EQUIPMENT											
	500				1,246		728	728	1,131		1,131	
318	COMPUTER SOFTWARE											
					13,500		8,000	8,000				
321	TRAVEL, TRAINING & SUBSISTENCE											
	8,854		10,021		13,380		13,168	13,300	31,325		31,325	
328	MEALS & RELATED EXPENSE											
	153											
341	COMMUNICATIONS EXPENSE											
	31,577		33,902		45,000		30,084	44,000	46,000		46,000	
351	UTILITIES EXPENSE											
	245,004		261,611		290,000		235,471	270,000	290,000		290,000	
361	UNIFORMS & SPECIAL CLOTHING											
	10,545		10,402		13,800		9,483	13,300	21,200		21,200	
371	EQUIPMENT OPER & MAINT EXPENSE											
									12,150		6,650	
372	ROLLING STOCK & EQUIPMENT UNDER \$10K											
											5,500	
381	BUILDING EXPENSE											
	9		6,429		20,000		4,575	15,000	20,000		20,000	
409	WATER PURCHASES FOR RESALE											
	1,288,362		1,383,335		1,627,525		963,979	1,499,382	1,684,550		1,684,550	

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019 YTD	2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
410	BARNEY RESERVOIR OPERATIONS											
	88,608		95,900		164,609		75,132	100,000	150,051		150,051	
413	SERVICE INSTALLATIONS											
	2,984		2,341		3,300		3,276	3,300	10,500		10,500	
417	WILLAMETTE INTAKE FACILITIES OPER											
					16,000		4,364	10,000	13,000		13,000	
418	JWC OPERATING EXP - OTHER											
	17,585		79,811		42,250		14,641	22,752	45,000		45,000	
419	CHEMICAL & LABORATORY SUPPLIES											
	41,298		33,025		66,800		61,615	60,000	78,100		78,100	
425	DUMPING EXPENSES											
	1,531		1,729		3,000		2,995	3,200	5,000		5,000	
439	WATER WHEELING SERVICES - TVWD											
					383,000		63,296	383,000	1,671,621		1,671,621	
441	LINE MAINTENANCE											
	189,296		185,760		234,229		235,723	224,000	218,000		218,000	
446	METER MAINTENANCE											
	159,795		225,024		249,126		247,317	249,000	278,062		278,062	
447	WATER PURCHASES - WHEELING											
									510,000		510,000	
448	MANHOLE / PRV VALVE ADJUSTMENTS											
	54,522		49,000		146,450		146,052	147,552	150,000		150,000	
461	SPECIAL EXPENSE											
	217		349		1,200		319	900	2,523		2,523	
497	DEBT ISSUANCE COST											
			135,399		850		1,600	850	150,850		150,850	
498	UNDERWRITERS DISCOUNT, BOND											
			9,816						20,000		20,000	
511	PROFESSIONAL SERVICES											
	327,811		344,899		370,020		356,843	359,800	629,500		629,500	
512	CITY RIGHT OF WAY FEES											

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019 YTD	2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
	619,246		641,861		652,035		597,696	732,409	919,379		919,379	
525	PMTS TO OTHER GOVERNMENT AGENCIES											
	50,924		53,778		56,400		55,891	55,891	60,000		60,000	
536	MAINTENANCE CONTRACTS											
	23,102		23,742		33,500		26,974	31,000	49,500		49,500	
551	RENTS AND LEASES											
	17,903		1,917		11,468		220	2,400	2,700		2,700	
TOTAL CLASS: 10 MATERIALS & SERVICES												
	3,237,292		3,636,336		4,544,693		3,238,560	4,332,377	7,175,143		7,175,143	
CLASS: 15 CAPITAL OUTLAY												
641	VEHICLES											
	133,926		747		168,050		167,420	168,050	473,873		473,873	
670	ROLLING STOCK											
									229,934		229,934	
671	EQUIPMENT											
	40,000		140,678		98,000		98,000	98,000	96,600		96,600	
TOTAL CLASS: 15 CAPITAL OUTLAY												
	173,926		141,425		266,050		265,420	266,050	800,407		800,407	
CLASS: 25 TRANSFERS												
801	TRSFR TO GENERAL FD - OVERHEAD											
	217,037		318,316		360,830		330,761	360,830	448,971		448,971	
802	TRSFR TO GENERAL FD-ACCOUNTING											
	49,312		28,616		62,355		57,159	62,355	100,875		100,875	
803	TRSFR TO GENERAL FD-LANDSCAPE											
	69,355		80,215		83,669		76,697	83,669	88,269		88,269	
804	TRSFR - OPERATIONS ADMIN											
	197,088		249,697		288,261		264,239	288,261	261,881		261,881	
805	TRSFR TO G/F BLDG MAINT											

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BUDGET PREPARATION WORKSHEET SUMMARY

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DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019 YTD	2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
	20,687		18,448		20,886		19,146	20,886	20,972		20,972	
808	TRSFERS TO GIS PGRM (TO ISD FUND 2018-19)											
	101,395		165,166		179,079		164,156	179,079	177,216		177,216	
817	TRSFERS TO GARAGE FUND											
	98,923		112,814		136,655		91,896	136,655	134,214		134,214	
818	TRSFERS TO ISD-ALLOCATED											
	193,014		232,089		286,721		262,828	286,721	329,957		329,957	
819	TRSFERS TO INSURANCE FUND											
	198,941		228,792		228,792		209,726	228,792	285,990		285,990	
832	TRSFERS TO WATER DEBT SVC FUND											
	1,495,160		748,426		2,184,994		2,184,994	2,184,994	2,184,994		2,184,994	
833	TRSFERS TO WATER CONSTRUCT FUND											
	1,776,000		1,230,000		1,000,000		1,000,000	2,000,000	2,000,000		2,000,000	
TOTAL CLASS: 25 TRANSFERS												
	4,416,912		3,412,579		4,832,242		3,661,602	4,832,242	6,033,339		6,033,339	
CLASS: 30 FUND BAL/CONTINGENCY/RESERVES												
972	RESERVE - OPERATIONS FACILITY REPLACMT											
											121,939	
987	RESERVE - JWC EMERGENCY EQUIPMT											
					500,000				500,000		500,000	
991	CONTINGENCY - UNRESERVED											
					7,645,159				9,410,575		10,567,566	
995	RESERVE - RATE STABILIZATION											
					600,000				600,000		600,000	
996	RESERVE - EQUIPMENT REPLACMT											

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019 YTD	2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
					342,168				398,636		398,636	
TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES												
					9,087,327				10,909,211		12,188,141	
TOTAL DEPARTMENT: 85 PUBLIC WORKS - OPERATIONS												
	9,230,522	16.25	8,662,551	16.25	20,888,940	19.00	8,859,688	11,251,888	27,243,735	19.00	28,522,665	19.00

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BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301	BEGINNING WORKING CAPITAL										
		11,626,817	12,236,827	13,147,277	13,147,277	12,877,835	12,877,835				

TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

		11,626,817	12,236,827	13,147,277	13,147,277	12,877,835	12,877,835				
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CLASS: 15 INTERGOVERNMENTAL REVENUE

329	OTHER INTERGOVERNMENTAL REV										
		294	101,872	88,820	88,820	80,000	80,000				

TOTAL CLASS: 15 INTERGOVERNMENTAL REVENUE

		294	101,872	88,820	88,820	80,000	80,000				
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CLASS: 20 PERMITS & FEES

355	WATER METER INSTALLATION FEES										
		10,134	51,989	45,000	25,000	20,000	20,000				

TOTAL CLASS: 20 PERMITS & FEES

		10,134	51,989	45,000	25,000	20,000	20,000				
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CLASS: 25 SERVICE FEES

361	WATER SALES										
		9,126,336	10,127,493	10,886,780	11,218,780	14,037,532	15,316,462				

362	UNMETERED WATER SALES										
		3,576	29,914	14,000	20,000	15,000	15,000				

364	CUSTOMER SERV CHARGES										
		25,420	27,385	25,000	23,750	25,000	25,000				

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

301 BEGINNING WORKING CAPITAL

329 OTHER INTERGOVERNMENTAL REV
 LEASE OF THE CITY'S EXCESS 2.1MGD JWC PLANT CAPACITY TO THE TUALATIN VALLEY WATER DISTRICT

355 WATER METER INSTALLATION FEES
 CHARGES FOR NEW WATER METERS ARE INCREASING FOR METERS WHICH ARE CAPABLE OF
 RADIO SIGNAL READING \$20,000

361 WATER SALES
 FY 16-17 NO RATE INCREASE IS REFLECTED IN WATER SALES
 FY 17-18 WATER SALES REFLECTS A 3.37% INCREASE IN THE CONSUMPTION CHARGE WHICH IS A 10
 CENT INCREASE FROM \$2.97 TO \$3.07 PER 100 CUBIC FEET OF WATER EFFECTIVE JULY 1, 2017
 17 CENTS IS DEDICATED TO FUTURE CAPACITY INCREASES FOR THE WATER CONSTRUCTION FUND
 FY 18-19 WATER SALES REFLECTS A 3.26% INCREASE ON CONSUMPTION WHICH IS A 10 CENT
 INCREASE FROM \$3.07 TO \$3.17 PER 100 CUBIC FEET OF WATER EFFECTIVE JULY1, 2018
 17 CENTS IS DEDICATED TO FUTURE CAPACITY INCREASES FOR THE WATER CONSTRUCTION FUND
 FY2018-19 REVISED ESTIMATE INCLUDES:
 3% INCREASE IN WATER SALES REVENUES OVER LAST YEAR'S ACTUALS - \$431,000
 REVENUE FROM AREAS WITHDRAWN FROM TVWD AND BILLED BY BEAVERTON
 AREA 2 AND 5 BEGINNING IN DECEMBER 2018 - \$85,480
 AREA 3 AND 6 BEGINNING IN MARCH 2019 - \$180,580
 AREA 4 BEGINNING IN MAY 2019 - 420,720
 FY 19-20 WATER SALES REFLECTS A 3.15% INCREASE ON CONSUMPTION WHICH IS A 10 CENT
 INCREASE FROM \$3.17 TO \$3.27 PER 100 CUBIC FEET OF WATER EFFECTIVE JULY 1, 2019 \$10,863,200
 REVENUE FROM AREAS WITHDRAWN FROM TVWD AND BILLED BY BEAVERTON
 AREA 2 \$77,551
 AREA 3 \$336,199
 AREA 4 \$2,411,072
 AREA 5 \$103,410
 AREA 6 \$246,100
 AMENDMENT PACKET NO. 3 - INCREASE THE CONSUMPTION RATE BY 30 CENTS PER CCF
 TO FUND THE DEBT SERVICE PAYMENTS ON A \$30 MILLION REVENUE BOND ISSUE SCHEDULED
 FOR LATE FY 2019-20 \$1,278,930

362 UNMETERED WATER SALES
 CHARGES FOR USING WATER FROM HYDRANTS

364 CUSTOMER SERV CHARGES
 FEES CHARGED FOR RETURNED CHECKS AND WATER METER TURN ON FEES.

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
366	DEMAND CHARGE										
	3,305,627		3,579,324		3,900,000		4,161,800	5,366,782		5,366,782	
369	UTILITY SALES ALLOWANCES										
	-63,474		-71,077		-75,000		-75,000	-85,000		-85,000	
TOTAL CLASS: 25 SERVICE FEES											
	12,397,485		13,693,039		14,750,780		15,349,330	19,359,314		20,638,244	
CLASS: 35 MISCELLANEOUS REVENUES											
382	SALE OF CITY OR BURA PROPERTY										
	29,206		12,825				3,368				
384	INVESTMENT INTEREST EARNINGS										
	148,244		206,543		235,400		275,600	313,600		313,600	
389	MISCELLANEOUS REVENUES										
	51,002		34,547		30,000		30,000	30,000		30,000	
394	MISC INTEREST EARNINGS										
	18,108		19,318		40,000		20,000	20,000		20,000	
398	SRVS PROVIDED TO OTHER FUNDS										
	121,745		91,179		60,000		300,000	200,000		200,000	
399	REIMBURSEMENTS - OTHER										
	173		280								
753	ENERGY EFFICIENCY REBATES										
757	MED/LIFE INS PREM REFUND DISTRIBUTION										
	5,210		3,656				2,261				
TOTAL CLASS: 35 MISCELLANEOUS REVENUES											
	373,688		368,348		365,400		631,229	563,600		563,600	
TOTAL PROGRAM: 0000 UNRESTRICTED											
	24,408,418		26,452,075		28,397,277		29,241,656	32,900,749		34,179,679	

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 03 REVENUE
 PROGRAM: 0000 UNRESTRICTED

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

366 DEMAND CHARGE
 MONTHLY METER COMPONENT OF CUSTOMER WATER CHARGES. THIS CHARGE IS FOR THE BASE CAPACITY DEMAND THAT EACH METER PLACES ON THE SYSTEM, METER REPAIR AND REPLACEMENT, LINE MAINTENANCE AND METER READING
 FY 16-17 NO RATE INCREASE IS REFLECTED IN WATER BASE CHARGES
 FY 17-18 REFLECTS MODEST GROWTH IN THE NUMBER OF NEW METERS SERVED AND \$1 PER MONTH (7.69%) INCREASE ON ALL METER SIZES, EFFECTIVE 7/1/2017.
 FY 18-19 MODEST GROWTH IN THE NUMBER OF NEW METERS SERVED AND \$1 PER MONTH (7.14%) INCREASE ON ALL METER SIZES, EFFECTIVE 7/1/2018
 FY2018-19 ESTIMATE INCLUDES REVENUE FROM AREAS WITHDRAWN FROM TVWD DURING THE YEAR:
 AREAS 2 AND 5 BEGINNING IN DECEMBE 2018 - \$54,950
 AREAS 3 AND 6 BEGINNING IN MARCH 2019 - \$100,470
 AREA 4 BEGINNING IN MAY 2019 - 154,850
 FY 19-20 MODEST GROWTH IN THE NUMBER OF NEW METERS SERVED AND \$1 PER MONTH (7.14%) INCREASE ON ALL METER SIZES, EFFECTIVE 7/1/2019 \$3,953,475
 REVENUE FROM AREAS WITHDRAWN FROM TVWD AND BILLED BY BEAVERTON
 AREA 2 \$88,320
 AREA 3 \$198,360
 AREA 4 \$991,253
 AREA 5 \$12,178
 AREA 6 \$123,196

369 UTILITY SALES ALLOWANCES
 BILLING ADJUSTMENTS TO CUSTOMER ACCOUNTS FOR LEAKS, WRITE OFF OF DELINQUENT CHARGES, WHEN APPLICABLE AND WRITE OFF OF UNCOLLECTIBLE ACCOUNTS -\$85,000

382 SALE OF CITY OR BURA PROPERTY

384 INVESTMENT INTEREST EARNINGS
 INTEREST EARNINGS IS BASED ON AVAILABLE CASH BALANCES AND INTEREST RATES:
 FY 16-17 BUDGETED INTEREST EARNINGS ARE BASED UPON .55%
 FY 17-18 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.10%
 FY 18-19 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.75% FY 19-20 BUDGETED INTEREST EARNINGS ARE BASED UPON 3.00% \$313,600

389 MISCELLANEOUS REVENUES
 AT&T CELL TOWER SITE LEASE, T-MOBILE CELL TOWER SITE LEASE, HYDRANT METER RENTALS, 3RD PARTY RECOVERIES FOR DAMAGES TO CITY PROPERTY

394 MISC INTEREST EARNINGS
 REVENUES FROM DELINQUENT CHARGES ASSESSED THROUGH THE CITY'S UTILITY BILLING SYSTEM \$20,000

398 SRVS PROVIDED TO OTHER FUNDS
 REIMBURSEMENTS RECEIVED FROM OTHER FUNDS FOR PROVIDING IN-HOUSE ENGINEERING SERVICES FOR CAPITAL PROJECTS. \$200,000

399 REIMBURSEMENTS - OTHER

753 ENERGY EFFICIENCY REBATES

757 MED/LIFE INS PREM REFUND DISTRIBUTION
 MODA MEDICAL INSURANCE PREMIUM EXPERIENCE REBATE DISTRIBUTION TO OPERATING FUNDS

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
TOTAL DEPARTMENT: 03 REVENUE											
	24,408,418		26,452,075		28,397,277		29,241,656	32,900,749		34,179,679	

BP WORKSHEET & JUSTIFICATION

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

046	PRINCIPAL ENGINEER	52,867	.40	53,062	.40	55,197	.40	55,074	57,940	.40	57,940	.40
068	ENGINEERING ASSOCIATE					37,453	1.00	26,536	83,970	1.00	83,970	1.00
084	PROJECT ENGINEER 1	110,439	1.50	141,555	1.50	235,593	2.50	234,983	214,071	2.10	214,071	2.10
123	ENGINEERING TECH 2								35,314	.50	35,314	.50
124	ENGINEERING CONST INSPECTOR	.40		24,829	.40	26,813	.40	27,884				
175	PROJECT ENGINEER 2			30,591	1.00	114,248	1.00	111,888	214,973	2.00	214,973	2.00
221	SUPPORT SPECIALIST 2	22,009	.50	23,721	.50	25,646	.50	25,537	28,021	.50	28,021	.50
299	PAYROLL TAXES AND FRINGES	95,823		141,845		281,032		233,863	367,345		367,345	

TOTAL CLASS: 05 PERSONNEL SERVICES

		281,138	2.80	415,603	3.80	775,982	5.80	715,765	1,001,634	6.50	1,001,634	6.50
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CLASS: 10 MATERIALS & SERVICES

303	OFFICE FURNITURE & EQUIPMENT			1,616		5,600		3,500	3,100		3,100	
305	SPECIAL DEPARTMENT SUPPLIES	57		70		400		200	400		400	

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 046 PRINCIPAL ENGINEER
 POSITION IS ALLOCATED .40 FTE 501-72-0740 / .25 FTE 502-72-0740 / .25 FTE 513-72-0740 / AND .10 FTE 001-72-0703.
- 068 ENGINEERING ASSOCIATE
 FY 2018-19 REFLECTS A NEW 1 FTE ENGINEERING ASSOCIATE ADDED MID-YEAR VIA AGENDA BILL 19046
- 084 PROJECT ENGINEER 1
 1 FTE PROJ ENGR 1 ALLOCATED 60% 001-85-0701 AND 10% IN EACH OF THE FOLLOWING:
 101-72-0735, 502-72-0740, 513-72-0740, 501-72-0740.
 1 FTE PROJ ENGR 1 ALLOCATED 100% 501-72-0740.
 1 FTE PROJ ENGR 1 ALLOCATED: 40% 513-72-0740, 40% 501-72-0740, 20% 101-72-0735.
 FY 17-18 REFLECTS NEW 1 FTE PROJECT ENGINEER 1 POSITION.
 FY 17-18 REFLECTS MID-YEAR RECLASSIFICATION OF 1 FTE PROJECT ENGINEER POSITION TO 1 FTE PROJECT ENGINEER 2 POSITION.
 FY 18-19 REFLECTS A NEW 1 FTE PROJECT ENGINEER 1 POSITION 100% IN 501-72-0740.
 FY 2019-20 REFLECTS 1 FTE PROJECT ENGR 1 POSITION BEING REALLOCATED FROM 20/40/40 IN STREET FUND / WATER FUND / STORM DRAIN FUND TO 100% IN STREET FUND PROGRAM 0735.
- 123 ENGINEERING TECH 2
 FY 2019-20 REFLECTS 1 FTE ET2 TRANSFERRED FROM THE GENERAL FUND - ENGINEERING TO 50 / 25 / 25 IN WATER FUND / SEWER FUND / STORM DRAIN FUND - ENTERPRISE MGMT PROGRAM.
- 124 ENGINEERING CONST INSPECTOR
 1 FTE ENGINEERING CONSTRUCTION INSPECTOR IS ALLOCATED
 40% 501-72-0740, 40% 513-72-0740, 20% 101-72-0735
 FY 2019-20 REFLECTS 1 FTE ENGR CONST INSPECTOR POSITION'S ALLOCATION CHANGING FROM 20/40/40 IN STREET FUND 101-72-0735 / WATER FUND 501-72-0740 / STORM FUND 513-72-0740 TO 100% IN GENERAL FUND (001-70-0701)
- 175 PROJECT ENGINEER 2
 FY 17-18 REFLECTS MID-YEAR RECLASSIFICATION OF 1 FTE PROJECT ENGINEER POSITION TO 1 FTE PROJECT ENGINEER 2 POSITION.
 FY 19-20 REFLECTS A NEW 1 FTE PROJECT ENGINEER 2 POSITION.
- 221 SUPPORT SPECIALIST 2
 POSITION IS ALLOCATED .50 FTE 501-72-0740 / .25 FTE 502-72-0740 / .25 FTE 513-72-0740.
- 299 PAYROLL TAXES AND FRINGES
 PAYROLL TAXES AND FRINGE BENEFITS EXPRESSED AS A PERCENTAGE OF SALARY TOTALS 58.14% AS A CITY-WIDE AVERAGE AND CONSISTS OF THE FOLLOWING:
 34.14% IN PAYROLL TAXES CONSISTING OF 7.65% FICA, AVERAGE OF 23.22% FOR RETIREMENT CONTRIBUTIONS (28.45% PERS. 19.45% OPSRP GENERAL OR 24.08% OPSRP POLICE), AND 3.27% IN OTHER TAXES (UNEMPLOYMENT, LONG TERM DISABILITY, WORKERS COMPENSATION, PEHP, AND TRIMET)
 24.00% AS THE AVERAGE COST OF MEDICAL, DENTAL, LIFE AND AD&D INSURANCES

- 303 OFFICE FURNITURE & EQUIPMENT
 MISCELLANEOUS OFFICE FURNITURE AND EQUIPMENT \$600
 OFFICE FURNITURE & EQUIPMENT FOR NEW PROJ ENGR 2 POSITION \$2,500
- 305 SPECIAL DEPARTMENT SUPPLIES
 MISCELLANEOUS SUPPLIES AND MATERIALS \$400

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
307	MEMBERSHIP FEES										
	46,968		48,390		52,150		54,395	60,925		60,925	
314	OUTSIDE REPRODUCTION EXPENSES										
	955				1,000			1,000		1,000	
317	COMPUTER EQUIPMENT										
			5,294		10,535		3,150	1,500		1,500	
318	COMPUTER SOFTWARE										
			4,000		2,000			30,000		30,000	
321	TRAVEL, TRAINING & SUBSISTENCE										
	7,124		10,785		14,600		7,000	25,825		25,825	
328	MEALS & RELATED EXPENSE										
	602		608		1,500		800	1,500		1,500	
341	COMMUNICATIONS EXPENSE										
361	UNIFORMS & SPECIAL CLOTHING										
			597		600		600	750		750	
444	ASR OPERATING & MONITORING EXP										
					195,978		195,978	306,550		306,550	
445	NON-CIP ENGINEERING EXPENSE										
								50,000		50,000	
461	SPECIAL EXPENSE										
	15,941		13,341		34,600		5,000	30,900		30,900	
511	PROFESSIONAL SERVICES										

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	OBJECT DESCRIPTION	JUSTIFICATIONS
307	MEMBERSHIP FEES	
	5 - PROF ENGINEER LICENSE RENEWAL (INCLUDING NEW PE2 POSITION) \$1,000	
	3 - ASCE (AMERICAN SOCIETY OF CIVIL ENGINEERS) (\$225EA) (DW, PD & NEW PE2) \$675	
	OREGON ASSOC OF WATER UTILITIES (CITY MEMBERSHIP) \$8,200	
	AWWA CITY MEMBERSHIP \$3,900	
	AMERICAN PUBLIC WORKS ASSOCIATION MEMBERSHIP (SS & NEW PE2) \$380	
	WATER RIGHTS EXAMINER LICENSE RENEWAL (DW) \$100	
	REGIONAL WATER PROVIDER CONSORTIUM ANNUAL DUES \$40,000	
	LEAGUE OF OREGON CITIES ANNUAL DUES (WATER PORTION) \$6,345	
	1-PROF LAND SURVEYOR LICENSE RENEWAL (\$220EA) (DW) \$225	
	1-PLSO MEMBERSHIP (\$100EA) (DW) \$100	
314	OUTSIDE REPRODUCTION EXPENSES	
	AWWA COPYRIGHTED BROCHURES & MATERIALS; OTHER PRINTED MATERIALS RELATED TO WATER \$1,000	
317	COMPUTER EQUIPMENT	
	COMPUTER EQUIPMENT & MONITORS FOR NEW PROJECT ENGINEER 2 POSITION \$1,500	
318	COMPUTER SOFTWARE	
	SOFTWARE MODELING PACKAGE \$29,000	
	SOFTWARE FOR NEW PROJ ENGINEER 2 POSITION \$1,000	
321	TRAVEL, TRAINING & SUBSISTENCE	
	4 - TRAVEL/TRAINING FOR PROFESSIONAL ENGINEERS PDH TO MAINTAIN CERTICATION \$3,000	
	1 - TRAINING FOR WATER DIST 1 PROFESSIONAL DEV HOURS (BB) \$1,200	
	1 - PROFESSIONAL ENG/PROF LAND SURVEYOR/WATER RIGHTS (PRINCIAL ENG) \$3,500	
	5 - PNWS-AWWA CONFERENCE REGISTRATION AND EXPENSES (\$1,500 EA) (4 PE, 1 SPECIALIST) \$7,500	
	2 - APWA CONFERENCE AND TECHNICAL TRAINING \$3,400	
	1 - TRAINING FOR SANITARY CERT PROFESSIONAL DEV HOURS (DW) \$1,200	
	DEPARTMENTAL PROFESSIONAL DEVELOPMENT \$2,625	
	1 - TRAINING FOR ASSOCIATE ENGINEER \$1,000	
	FOR NEW PROJ ENGR 2 POSITION: APWA CONF AND TECHNICAL ENGINEER TRAINING \$2,400	
328	MEALS & RELATED EXPENSE	
	PROF MEETINGS AND MEALS ASSOCIATED WITH TRAINING \$500	
	HOST WATER REGIONAL WATER PROVIDERS CONSORTIUM MEETINGS \$400	
	HOST AWWA SUBSECTION LUNCH \$600	
341	COMMUNICATIONS EXPENSE	
	CELL PHONE USAGE FOR NEW ENGINEERING ASSOCIATE POSITION	
361	UNIFORMS & SPECIAL CLOTHING	
	5 - RAINGEAR, FOOTWEAR, CLOTHING, JACKETS, HARD HATS, VESTS & SAFETY EQUIP (\$150/EMPLOYEE) \$750	
444	ASR OPERATING & MONITORING EXP	
	ASR ANNUAL REPORTING AND ON CALL SERVICES \$198,000	
	WELL TESTING/TESTING ASR6 & 7 \$108,550	
445	NON-CIP ENGINEERING EXPENSE	
	WATER SYSTEM HYDRAULIC MODELING & MAPPING \$50,000	
461	SPECIAL EXPENSE	
	INFORMATION DEVICES (EMERGENCY PREPAREDNESS AND WATER CONSERVATION) \$1,500	
	WATER SAVINGS KITS FOR PUBLIC DISTRIBUTION \$3,000	
	MANDATED COB WATER SYSTEM EMERGENCY RESPONSE PLAN UPDATE \$5,000	
	CITY SHARE OF JWC WASH. CO FAIR BOOTH \$500	
	MESSENGER SERVICES \$400	
	WATER SAVINGS REBATE PROGRAM \$20,000	
	CITY SHARE OF COLLEGE CAREER FAIR BOOTH FOR STAFF RECRUITMENT 500 \$500	
511	PROFESSIONAL SERVICES	

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
	63,163		63,537		66,948		66,948	461,800		461,800	

TOTAL CLASS: 10 MATERIALS & SERVICES

	134,810		148,238		385,911		337,571	974,250		974,250	
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CLASS: 25 TRANSFERS

816	TRSFERS TO REPROGRAPHICS FUND										
		2,540	3,709		3,327		3,327	1,651		1,651	
817	TRSFERS TO GARAGE FUND										
		639			857		857				
835	TRSFER TO GF, BVTN BLDG OPERATIONS										
			20,592		10,296		10,296	16,701		16,701	
836	TRSFER TO GF, BVTN BLDG DEBT SVC										
			27,400		10,356		10,356	12,834		12,834	

TOTAL CLASS: 25 TRANSFERS

	3,179		51,701		24,836		24,836	31,186		31,186	
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TOTAL PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

	419,127	2.80	615,542	3.80	1,186,729	5.80	1,078,172	2,007,070	6.50	2,007,070	6.50
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TOTAL DEPARTMENT: 72 CAPITAL DEVELOPMNT-ENGINEERING

	419,127	2.80	615,542	3.80	1,186,729	5.80	1,078,172	2,007,070	6.50	2,007,070	6.50
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BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
 PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

CONSULTANT SERVICES FOR EPA MANDATED CONSUMER CONFIDENCE REPORT \$7,000
 ELEMENTARY SCHOOLS WATER CONSERVATION PERFORMANCE \$2,800
 IN-HOUSE LOCATE CHARGES \$45,000
 S&B STUDY/TELEMETRY \$5,000
 WATER AUDITS FOR WATER CONSERVATION \$2,000
 WATER SDC RATE STUDY (POTABLE AND NON-POTABLE) \$100,000
 COMMUNITY WATER SYSTEM RISK AND RESILIENCE \$100,000
 FEDERAL SAFE DRINKING WATER ACT REPORT \$100,000
 SHAKE ALERT - TELEMETRY INTERGRATION \$25,000
 FRACTA - PIPELINE CONDITION ASSESSMENT \$25,000
 WATER SYSTEM HYDROLIC MODELING \$50,000

- 816 TRSFERS TO REPROGRAPHICS FUND
 ALLOCATION OF COPIER, GRAPHICS, PRINTING, MAILING, & POSTAGE CHARGES THROUGH REPROGRAPHICS \$1,651
- 817 TRSFERS TO GARAGE FUND
 ALLOCATION OF FLEET SERVICES (FUEL, MAINTENANCE & REPLACEMENT) PROVIDED BY THE GARAGE FUND
- 835 TRSFR TO GF, BVTN BLDG OPERATIONS
 BEAVERTON BUILDING OPERATING EXPENSE ALLOCATION \$16,701
- 836 TRSFR TO GF, BVTN BLDG DEBT SVC
 BEAVERTON BUILDING DEBT SERVICE EXPENSE ALLOCATION \$12,834

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0741 WATER SERVICES

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 10 MATERIALS & SERVICES

316	ADVERTISING,RECORDING & FILING		2,118								
409	WATER PURCHASES FOR RESALE	1,288,362	1,383,335		1,627,525		1,499,382	1,684,550		1,684,550	
410	BARNEY RESERVOIR OPERATIONS	88,608	95,900		164,609		100,000	150,051		150,051	
417	WILLAMETTE INTAKE FACILITIES OPER				16,000		10,000	13,000		13,000	
418	JWC OPERATING EXP - OTHER	17,585	79,811		42,250		22,752	45,000		45,000	
439	WATER WHEELING SERVICES - TVWD				383,000		383,000	1,671,621		1,671,621	
447	WATER PURCHASES - WHEELING							510,000		510,000	
497	DEBT ISSUANCE COST		135,399		850		850	150,850		150,850	
498	UNDERWRITERS DISCOUNT, BOND		9,816					20,000		20,000	
511	PROFESSIONAL SERVICES	233,704	248,674		226,800		226,800	310,000		310,000	
512	CITY RIGHT OF WAY FEES	619,246	641,861		652,035		732,409	919,379		919,379	
525	PMTS TO OTHER GOVERNMENT AGENCIES	50,924	53,778		56,400		55,891	60,000		60,000	

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0741 WATER SERVICES

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 316 ADVERTISING, RECORDING & FILING

- 409 WATER PURCHASES FOR RESALE
 - FY 17-18 INCLUDES:
 - JWC WATER TREATMENT PLANT WATER PRODUCTION CHARGES BUD \$1,400,000/ ACTUAL \$1,365,000
 - BUREAU OF RECLAMATION BUD \$26,000/ ACTUAL \$18,000
 - PORTLAND WATER BUREAU BUD \$500/ ACTUAL 500
 - FY 18-19 INCLUDES \$1,600,000 FOR JWC WATER AND TREATMENT PLANT COSTS, \$27,000 BUREAU OF JWC WATER TREATMENT PLANT WATER PRODUCTION CHARGES \$1,600,000
 - BUREAU OF RECLAMATION \$27,000
 - PORTLAND WATER BUREAU \$525
 - FY 19-20 INCLUDES:
 - JWC WATER TREATMENT PLANT WATER PRODUCTION CHARGES \$1,656,000
 - BUREAU OF RECLAMATION \$28,000
 - PORTLAND WATER BUREAU \$550

- 410 BARNEY RESERVOIR OPERATIONS
 - REFLECTS ALLOCATION OF STAFFING AND OPERATING EXPENSES FOR CITY OF HILLSBORO BETWEEN BARNEY MEMBERS.
 - INCLUDES THE COST OF SAMPLING AND ANALYSIS FOR WATER QUALITY \$150,051

- 417 WILLAMETTE INTAKE FACILITIES OPER
 - BEAVERTON'S PROPORTIONAL EXPENSE OF THE WILLAMETTE INTAKE FACILITIES COMMISSION'S OPERATIONS. \$13,000

- 418 JWC OPERATING EXP - OTHER
 - MAINTENANCE PERFORMED BY JWC STAFF ON CHLORINE SCRUBBER, TRANSMISSION LINE CORRIDOR, SEDIMENT REMOVAL AND INSPECTIONS OF THE CLEARWELL AND RESERVOIRS. \$45,000

- 439 WATER WHEELING SERVICES - TVWD
 - PAYMENT TO TVWD TO WHEEL WATER THROUGH TVWD'S SYSTEM FOR THE 4,077 ACCOUNTS THAT WERE WITHDRAWN FROM TVWD'S SERVICE AREA AND TRANSFERRED TO THE CITY OF BEAVERTON'S SERVICE AREA
 - FY 2018-19 216,655 CCF OF WATER AT WHEELING CHARGE OF \$1.722 PER CCF \$373,080
 - FY 2019-20 970,744 CCF OF WATER AT WHEELING CHARGE OF \$1.722 PER CCF \$1,671,621

- 447 WATER PURCHASES - WHEELING
 - WATER PURCHASES FROM THE JWC WATER TREATMENT PLANT THAT IS WHEELED THROUGH TVWD'S WATER SYSTEM TO SERVE THE AREAS WITHDRAWN FROM THE TVWD'S SERVICE DISTRICT AND NOW SERVED BY CITY OF BEAVERTON \$510,000

- 497 DEBT ISSUANCE COST
 - BOND PAYING AGENT FEES \$850
 - BOND ISSUANCE COSTS FOR PROJECTED \$30 MILLION 2019 WATER REVENUE BONDS \$150,000

- 498 UNDERWRITERS DISCOUNT, BOND
 - COST FOR PROJECTED \$30 MILLION 2019 WATER REVENUE BONDS \$20,000

- 511 PROFESSIONAL SERVICES
 - FY 2019-20 INCREASE REFLECTS A SLIGHT INCREASE FOR GROWTH IN NUMBER OF METERS READ AND ADDITIONAL COSTS EXPECTED WITH THE TVWD WITHDRAWAL AREAS AND SOUTH COOPER MOUNTAIN \$310,000

- 512 CITY RIGHT OF WAY FEES
 - THIS ACCOUNT WAS ESTABLISHED TO ACCOUNT FOR THE PAYMENT IN LIEU OF 5% ROW LICENSE FEES TO THE GENERAL FUND.
 - FY 2019-20 INCREASE REFLECTS THE 4,077 WATER ACCOUTS THAT WERE WITHDRAWN FROM THE TVWD AND NOW SERVED AND BILLED BY THE CITY OF BEAVERTON \$919,379

- 525 PMTS TO OTHER GOVERNMENT AGENCIES
 - PAYMENTS TO WEST SLOPE WATER DISTRICT FOR TRANSFER OF 66 ACCOUNTS TO THE CITY OF BEAVERTON. INCLUDES 4.36% OF ANNUAL DEBT SERVICE ON WATER RESERVOIR BOND ISSUE AND REIMBURSEMENT FOR UNDERCONSUMPTION ON THE PORTLAND WATER CONTRACT \$60,000

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0741 WATER SERVICES

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE

TOTAL CLASS: 10 MATERIALS & SERVICES

	2,298,429		2,650,692		3,169,469		3,031,084	5,534,451		5,534,451	
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CLASS: 25 TRANSFERS

801	TRSFRR TO GENERAL FD - OVERHEAD	217,037		318,316		360,830		360,830	448,971		448,971
802	TRSFRR TO GENERAL FD-ACCOUNTING	49,312		28,616		62,355		62,355	100,875		100,875
818	TRSFRRS TO ISD-ALLOCATED	193,014		232,089		286,721		286,721	329,957		329,957
819	TRSFRRS TO INSURANCE FUND	198,941		228,792		228,792		228,792	285,990		285,990
832	TRSFRRS TO WATER DEBT SVC FUND	1,495,160		748,426		2,184,994		2,184,994	2,184,994		2,184,994
833	TRSFRRS TO WATER CONSTRUCT FUND	1,776,000		1,230,000		1,000,000		1,000,000	2,000,000		2,000,000

TOTAL CLASS: 25 TRANSFERS

	3,929,464		2,786,239		4,123,692		4,123,692	5,350,787		5,350,787	
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CLASS: 30 FUND BAL/CONTINGENCY/RESERVES

987	RESERVE - JWC EMERGNCY EQUIPMT					500,000		500,000		500,000	
991	CONTINGENCY - UNRESERVED					7,645,159		9,410,575		10,567,566	
995	RESERVE - RATE STABILIZATION					600,000		600,000		600,000	
996	RESERVE - EQUIPMENT REPLACMT					342,168		398,636		398,636	

TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES

						9,087,327		10,909,211		12,066,202	
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TOTAL PROGRAM: 0741 WATER SERVICES

	6,227,893		5,436,931		16,380,488		7,154,776	21,794,449		22,951,440	
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BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0741 WATER SERVICES

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 801 TRSFR TO GENERAL FD - OVERHEAD
 ALLOCATION OF OVERHEAD SERVICES PROVIDED BY THE GENERAL FUND
 14.59% OF FY18-19 BUDGETED PERSONNEL SERVICES TOTAL EXPENDITURES \$448,971
- 802 TRSFR TO GENERAL FD-ACCOUNTING
 ALLOCATION OF ACCOUNTING SERVICES PROVIDED BY THE GENERAL FUND \$100,875
- 818 TRSFERS TO ISD-ALLOCATED
 ALLOCATION OF SERVICES PROVIDED BY THE INFORMATION SYSTEMS FUND \$246,423
 SOFTWARE MAINTENANCE - TELEMETRY, ASSET SYSTEM, BACKFLOW SYSTEM AND UTILITY BILLINGS \$81,334
 ENGINEERING SOFTWARE UPGRADES \$2,200
- 819 TRSFERS TO INSURANCE FUND
 ALLOCATION OF CHARGES FOR GENERAL LIABILITY AND PROPERTY INSURANCE \$285,990
- 832 TRSFERS TO WATER DEBT SVC FUND
 DEBT SERVICE (PRINCIPAL & INTEREST) ON OUTSTANDING WATER REVENUE BONDS. (2016 & 2018) \$2,184,994
- 833 TRSFERS TO WATER CONSTRUCT FUND
 TRANSFER FROM WATER OPERATING FUND TO HELP COVER THE COST OF VARIOUS JWC AND EXTRA
 CAPACITY INCREASE PROJECTS \$2,000,000

- 987 RESERVE - JWC EMERGENCY EQUIPMT
 DEDICATED CONTINGENCY FOR JOINT WATER COMMISSION EMERGENCY PLANT EQUIPMENT \$500,000
 (CITY'S SHARE IS 25% OF \$2,000,000)
- 991 CONTINGENCY - UNRESERVED

- 995 RESERVE - RATE STABILIZATION
 DEDICATED CONTINGENCY FOR WATER RATE STABILIZATION PER BOND COVENANTS \$600,000
- 996 RESERVE - EQUIPMENT REPLACEMT
 RESERVE FOR EQUIPMENT REPLACEMENT, JWC RESERVE FOR VEHICLE REPLACEMENT, COB \$398,636

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0742 WATER SYSTEM DISTRIBUTION

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

057	PUBLIC WORKS SUPERVISOR	66,961	1.00	83,693	1.00	87,437	1.00	83,817	91,050	1.00	91,050	1.00
112	PUBLIC WORKS MANAGER 3	54,444	.50	55,673	.50	57,061	.50	58,079	61,067	.50	61,067	.50
133	WATER CUSTOMER SERVICE TECH	57,386	1.00	62,949	1.00							
162	WATER DISTRIBUTION LEAD	1,851	1.00	64,571	1.00	79,415	1.00	77,616	80,966	1.00	80,966	1.00
173	WATER DISTRIBUTION TECHNICIAN	298,262	6.00	194,214	6.00	328,100	6.00	191,045	338,999	6.00	338,999	6.00
188	INVENTORY CONTROL TECHNICIAN	13,757	.25	15,822	.25							
209	WATER DISTRIBUTION EQUIP OPER	144,706	3.00	166,563	3.00	291,860	5.00	324,305	336,746	5.00	336,746	5.00
299	PAYROLL TAXES AND FRINGES	329,352		353,470		620,352		479,302	668,668		668,668	

TOTAL CLASS: 05 PERSONNEL SERVICES

		966,719	12.75	996,955	12.75	1,464,225	13.50	1,214,164	1,577,496	13.50	1,577,496	13.50
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CLASS: 10 MATERIALS & SERVICES

301	OFFICE EXPENSE	15		153		400		658	600		600	
303	OFFICE FURNITURE & EQUIPMENT	485		66		400		400	1,050		1,050	
304	DEPARTMENT EQUIPMENT EXPENSE	13,067		13,797		18,500		17,000	32,000		32,000	
305	SPECIAL DEPARTMENT SUPPLIES	6,956		5,328		6,800		6,800	6,800		6,800	

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0742 WATER SYSTEM DISTRIBUTION

OBJ	OBJECT DESCRIPTION	JUSTIFICATIONS
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- 057 PUBLIC WORKS SUPERVISOR

- 112 PUBLIC WORKS MANAGER 3
 1 FTE PUBLIC WORKS MANAGER 3 IS ALLOCATED:
 50% 501-85-0743 / 50% 501-85-0742.
- 133 WATER CUSTOMER SERVICE TECH
 FY 18-19 REFLECTS TRANSFER OF 1 FTE WATER CUSTOMER SERVICE TECH POSITION FROM
 PROGRAM 0742 (WATER SYSTEM DISTRIBUTION) TO PROGRAM 0743 (WATER SYSTEM QUALITY).
- 162 WATER DISTRIBUTION LEAD

- 173 WATER DISTRIBUTION TECHNICIAN

- 188 INVENTORY CONTROL TECHNICIAN
 FY 2018-19 REFLECTS REDISTRIBUTION OF 1 FTE INVENTORY CONTROL TECH POSITION FROM
 25% IN 001-85 / 25% IN 101-85 / 25% IN 501-85 / 10% IN 502-85 / 15% IN 513-85 TO 100% IN
 THE GARAGE FUND.
- 209 WATER DISTRIBUTION EQUIP OPER
 FY 16-17 REFLECTS 1.0 FTE TRANSFERRED FROM SEWER FUND'S CONSTRUCTION PROGRAM 0757 AND
 1.0 FTE TRANSFERRED FROM STORM DRAIN FUND'S CONSTRUCTION PROGRAM 0739
 FY 18-19 REFLECTS 2 NEW FTE WATER DISTRIBUTION EQUIPMENT OPERATOR POSITIONS.
- 299 PAYROLL TAXES AND FRINGES
 PAYROLL TAXES AND FRINGE BENEFITS EXPRESSED AS A PERCENTAGE OF SALARY
 TOTALS 58.14% AS A CITY-WIDE AVERAGE AND CONSISTS OF THE FOLLOWING:
 34.14% IN PAYROLL TAXES CONSISTING OF 7.65% FICA, AVERAGE OF 23.22% FOR
 RETIREMENT CONTRIBUTIONS (28.45% PERS. 19.45% OPSRP GENERAL OR
 24.08% OPSRP POLICE), AND 3.27% IN OTHER TAXES (UNEMPLOYMENT,
 LONG TERM DISABILITY, WORKERS COMPENSATION, PEHP, AND TRIMET)
 24.00% AS THE AVERAGE COST OF MEDICAL, DENTAL, LIFE AND AD&D INSURANCES

- 301 OFFICE EXPENSE
 OFFICE SUPPLIES \$600
- 303 OFFICE FURNITURE & EQUIPMENT
 OFFICE FURNITURE 3 NEW LOCKERS \$1,050
- 304 DEPARTMENT EQUIPMENT EXPENSE
 REPLACEMENT OF MISCELLANEOUS POWER TOOLS \$15,000
 TOOL SETUP FOR VALVE TURNING PROGRAM \$4,000
 FLUSHING PROGRAM \$2,000
 HYDRANT REPAIR AND REBUILD \$1,500
 CORRELATION \$2,500
 LOCATER \$3,500
 LINE FREEZE KIT \$3,500
- 305 SPECIAL DEPARTMENT SUPPLIES
 PIPE TAPPING BITS \$1,500
 LUMBER \$300
 SAW BLADES \$1,000
 HAND TOOLS \$2,000
 EROSION CONTROL FOR WATER LEAKS \$500
 TRASH PUMPS \$1,500

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0742 WATER SYSTEM DISTRIBUTION

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
307	MEMBERSHIP FEES										
	1,367		823		2,740		2,200	3,440		3,440	
308	PERIODICALS & SUBSCRIPTIONS										
	89		200		200		200	450		450	
317	COMPUTER EQUIPMENT										
	500				1,246						
321	TRAVEL, TRAINING & SUBSISTENCE										
	5,372		5,169		5,600		5,600	19,335		19,335	
328	MEALS & RELATED EXPENSE										
	88										
361	UNIFORMS & SPECIAL CLOTHING										
	7,187		6,908		7,800		7,800	14,000		14,000	
371	EQUIPMENT OPER & MAINT EXPENSE										
								12,150		6,650	
372	ROLLING STOCK & EQUIPMENT UNDER \$10K										
										5,500	
413	SERVICE INSTALLATIONS										
	2,984		2,341		3,300		3,300	10,500		10,500	
419	CHEMICAL & LABORATORY SUPPLIES										
	9,907		155		16,800		10,000	12,100		12,100	
425	DUMPING EXPENSES										
	1,496		1,729		2,500		2,500	4,500		4,500	
441	LINE MAINTENANCE										
	156,050		153,412		159,229		152,000	180,000		180,000	
446	METER MAINTENANCE										

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0742 WATER SYSTEM DISTRIBUTION

OBJ	OBJECT DESCRIPTION	JUSTIFICATIONS
307	MEMBERSHIP FEES	
	AWWA MEMBERSHIP \$440	
	OHA CERTS WATER DIST, TREATMENT (7 SINGLE @140/EACH AND 2 COMBINATION @210/EACH) \$1,400	
	EXAM FEE REIMBURSEMENT \$600	
	CROSS CONNECTION SPECIALIST, TESTER (2 SINGLE @195/EACH AND 2 COMBINATION @305/EACH) \$1,000	
308	PERIODICALS & SUBSCRIPTIONS	
	WATER DISTRIBUTION & MAINTENANCE MANUALS \$450	
317	COMPUTER EQUIPMENT	
	NO APPROPRIATION REQUESTED	
321	TRAVEL, TRAINING & SUBSISTENCE	
	TRAVEL AND SUBSISTENCE NEEDED TO SUPPORT TRAINING HOTEL AND MEAL EXPENSES \$4,000	
	TRAINING REGISTRATION FEES FOR WATER RECERTS (6 @500/EA) \$3,000	
	TRAINING REGISTRATION FEES FOR CROSS CONNECTION RECERTS TESTERS(2@550 & SPEC 2@255) \$1,610	
	MANAGEMENT TRAINING AWWA (2@500) \$1,000	
	CITYWORKS STORE ROOM TRAINING (1 WEB @500 AND 1 DAY AT CITYWORKS CONFERENCE @1500) \$2,000	
	AWWA MANAGEMENT INST. REG AND ALL EXPENSE FOR TWO \$3,200	
	APWA EXPO FOR 1 \$1,900	
	DEPARTMENTAL PROFESSIONAL DEVELOPMENT \$2,625	
328	MEALS & RELATED EXPENSE	
	FY 2017-18 REFLECTS THIS EXPENSE IS ACCOUNTED FOR IN THE PUBLIC WORKS ADMINISTRATION FUND	
361	UNIFORMS & SPECIAL CLOTHING	
	SAFETY GEAR AND CLOTHING \$3,500	
	RAINGEAR \$9,000	
	OTHER GEAR \$1,500	
371	EQUIPMENT OPER & MAINT EXPENSE	
	HC 100 CONTROLLER/DATALOGGER \$3,200	
	HEAVY DUTY BUCKET \$2,300	
	HEAVY DUTY FORKS \$1,150	
	BRADCO PICKUP BROOM \$5,500 MOVED TO ACCOUNT 372 BY AMENDMENT PACKET NO. 2	
372	ROLLING STOCK & EQUIPMENT UNDER \$10K	
	BRADCO PICKUP BROOM \$5,500 MOVED FROM ACCOUNT 371 BY AMENDMENT PACKET NO. 2 \$5,500	
413	SERVICE INSTALLATIONS	
	WATER SERVICE INSTALLATIONS 1" & 2" COPPER TUBING & BRASS FITTINGS \$7,500	
	SOUTH COOPER MOUNTAIN ADJUSTMENT PARTS \$3,000	
419	CHEMICAL & LABORATORY SUPPLIES	
	VITA DE-CHLOR TABLETS \$7,400	
	HOSE MONSTER \$3,500	
	CHLORINE TESTING EQUIPMENT AND REAGENTS \$1,200	
425	DUMPING EXPENSES	
	LANDFILL DEBRIS DISPOSAL \$3,000	
	HAULING ALL DEBRIS DIRECTLY TO RECEIVING FACILITY \$1,500	
441	LINE MAINTENANCE	
	MAINTENANCE & REPAIR OF WATER MAINS, VALVES, HYDRANTS, BLOWOFFS AND SERVICES \$120,000	
	FIRE HYDRANT REPLACEMENT PROGRAM \$60,000	
446	METER MAINTENANCE	

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0742 WATER SYSTEM DISTRIBUTION

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
	159,795		225,024		249,126		249,000	278,062		278,062	
448	MANHOLE / PRV VALVE ADJUSTMENTS										
	54,522		49,000		146,450		147,552	150,000		150,000	
461	SPECIAL EXPENSE										
	217		295		400		100	1,523		1,523	
511	PROFESSIONAL SERVICES										
	25,246		30,063		36,620		31,000	111,000		111,000	
551	RENTS AND LEASES										
	17,287		1,269		8,484		1,800	1,700		1,700	
TOTAL CLASS: 10 MATERIALS & SERVICES											
	462,630		495,732		666,595		637,910	839,210		839,210	
CLASS: 15 CAPITAL OUTLAY											
641	VEHICLES										
	133,926		747		75,400		75,400	429,223		429,223	
670	ROLLING STOCK										
								229,934		229,934	
671	EQUIPMENT										
			76,902		6,000		6,000				
TOTAL CLASS: 15 CAPITAL OUTLAY											
	133,926		77,649		81,400		81,400	659,157		659,157	
CLASS: 25 TRANSFERS											
817	TRSFERS TO GARAGE FUND										
	58,563		96,059		84,166		84,166	114,284		114,284	
TOTAL CLASS: 25 TRANSFERS											
	58,563		96,059		84,166		84,166	114,284		114,284	
TOTAL PROGRAM: 0742 WATER SYSTEM DISTRIBUTION											

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0742 WATER SYSTEM DISTRIBUTION

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

REPLACE 1,000 5/8" METERS @ \$138.11 EA \$138,110
 REPLACE 8 3" METERS @ \$1,920.14 EACH COMMERCIAL REPLACEMENT \$15,361
 REPLACE 3 VAULTS @ \$3632.38 EA \$10,898
 REPLACE 200 METER BOXES FOR 3/4" AND 1" METERS @ \$172.14 EA \$34,428
 REPLACE 9 1 1/2" METERS @ \$1313.79 EA \$11,824
 REPLACE 10 2" METERS @ \$1515.90 EA \$15,159
 REPLACE 20 1" METERS @ \$197.42 EA \$3,948
 REPLACE 20 METER BOXES FOR 1 1/2" TO 2" METERS @ \$316.37 EA \$6,327
 REPLACE 100 REGISTERS AND ADD REMOTE READ CAPABILITY, \$155 \$15,500
 REPLACE 300 3/4" BRASS METER TAIL PIECES @\$8.77 EA \$2,631
 REPLACE 300 3/4" X 1 BRASS METER BUSHINGS @\$9.49 EA \$2,847
 REPLACE 10 3/4" METER RISERS 12" @\$142.13 \$1,421
 REPLACE 10 1" METER RISERS 12" @\$291.85 \$2,919
 REPLACE 5 1 1/2" METER RISERS 12" @\$1532.36 \$7,662
 REPLACE 5 2" METER RISERS 12" @\$1805.34 \$9,027

448 MANHOLE / PRV VALVE ADJUSTMENTS
 CHARGES FOR ADJUSTING WATER MANHOLES AND VALVES REQUIRED DURING STREET RECONSTRUCTION. \$150,000

461 SPECIAL EXPENSE
 COMMERCIAL DRIVERS LICENSE AND RENEWAL FEES (5 @\$61.50/EA) \$308
 CDL TESTING FEE - 3RD PARTY TESTER (3@\$250/EA & DMV 3@\$155/EA) \$1,215

511 PROFESSIONAL SERVICES
 TEST AND REPAIR LARGE METERS \$18,500
 CALIBRATION FOR WATER GAUGES & LOCATING EQUIPMENT \$1,500
 6 HOT TAPS @ \$2,500 EACH \$15,000
 UTILITY CUT PAVING \$4,000
 FLAGGERS \$2,000
 12" LINE STOP \$20,000 WATER SYSTEM HYDRAULIC MODELING, MAPPING ETC. \$50,000

551 RENTS AND LEASES
 MISCELLANEOUS EQUIPMENT RENTAL \$500
 HEAVY EQUIPMENT RENTAL \$1,200

641 VEHICLES
 1 - REPLACEMENT FOR VEHICLE 7-609, (2003 F350 SERVICE BODY) WITH F550 4WD SERVICE BODY \$119,500
 (COST INCLUDES VEHICLE, SERVICE BODY, REELS, GENERATOR, CRANE, LIGHTING, LICENSING)
 1 - NEW ADDITIONAL VEHICLE - PETERBILT 337 SERVICE TRUCK W/UTILITY BOX, ONBOARD AIR COMP
 HEAVY DUTY CRANE, LIGHTING, REELS, WATER TANK, GENERATOR, SHELVING AND LICENSING \$235,000
 ADDITIONAL VEHICLE TO REPLACE VAC TRAILER 22-504. PETERBILT 220-33000GVW W/ 20FT FLATBED \$74,723

670 ROLLING STOCK
 NEW COLD PLANER \$23,500
 NEW TAKEUCHI TL 10 CRH TRACK LOADER \$58,158
 REPLACEMENT DITCH WITCH FXT 65 TRUCK MOUNT VAC SYSTEM \$133,509
 NEW TRIPLER AXLE LOW PROFILE TILT TRAILER 24000 LB \$14,767

671 EQUIPMENT
 NO APPROPRIATION REQUESTED

817 TRSFRS TO GARAGE FUND
 FLEET SERVICES PROVIDED BY THE GARAGE FUND \$114,284

City of Beaverton - Finance
 Budget Preparation - 2020

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
	1,621,838	12.75	1,666,395	12.75	2,296,386	13.50	2,017,640	3,190,147	13.50	3,190,147	13.50

City of Beaverton - Finance
Budget Preparation - 2020

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0743 WATER SYSTEM QUALITY

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

049	PROG COORDINATOR -PUBLIC WORKS		17,568	1.00	78,922	1.00	74,210	88,163	1.00	88,163	1.00
057	PUBLIC WORKS SUPERVISOR		24,588	1.00	92,053	1.00	94,380	101,512	1.00	101,512	1.00
112	PUBLIC WORKS MANAGER 3		54,442	.50	55,673	.50	57,067	61,072	.50	61,072	.50
133	WATER CUSTOMER SERVICE TECH				67,709	1.00	70,110	66,736	1.00	66,736	1.00
162	WATER DISTRIBUTION LEAD		83,735	1.00	89,860	1.00	83,388	90,077	1.00	90,077	1.00
178	WATER QUALITY TECHNICIAN		148,211	2.00	120,613		51,680	8,527	1.00	54,502	1.00
299	PAYROLL TAXES AND FRINGES		149,285		166,954		263,584	217,524		286,077	

TOTAL CLASS: 05 PERSONNEL SERVICES

	435,673	3.50	475,256	3.50	694,403	5.50	607,055	748,139	5.50	748,139	5.50
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CLASS: 10 MATERIALS & SERVICES

301	OFFICE EXPENSE		50	151	500	400	700	700
303	OFFICE FURNITURE & EQUIPMENT		747	1,422	1,000	550	1,000	1,000
304	DEPARTMENT EQUIPMENT EXPENSE		23,278	10,446	39,000	38,000	40,000	40,000

305	SPECIAL DEPARTMENT SUPPLIES		928	655	4,000	4,000	5,000	5,000
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BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0743 WATER SYSTEM QUALITY

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 049 PROG COORDINATOR -PUBLIC WORKS
 FY 17-18 REFLECTS MID-YEAR RECLASSIFICATION OF 1 FTE WATER QUALITY TECH POSITION TO 1 FTE PROGRAM COORDINATOR - PUBLIC WORKS POSITION.
- 057 PUBLIC WORKS SUPERVISOR
 FY 17-18 MID-YEAR 1 FTE WATER DISTRIBUTION LEAD POSITION WAS RECLASSIFIED TO 1 FTE PUBLIC WORKS SUPERVISOR POSITION.
- 112 PUBLIC WORKS MANAGER 3
 1 FTE PUBLIC WORKS MANAGER 3 IS ALLOCATED:
 50% 501-85-0743 / 50% 501-85-0742.
- 133 WATER CUSTOMER SERVICE TECH
 FY 18-19 REFLECTS TRANSFER OF 1 FTE WATER CUSTOMER SERVICE TECH POSITION FROM PROGRAM 0742 (WATER SYSTEM DISTRIBUTION) TO PROGRAM 0743 (WATER SYSTEM QUALITY).
- 162 WATER DISTRIBUTION LEAD
 FY 17-18 MID-YEAR 1 FTE WATER DISTRIBUTION LEAD POSITION WAS RECLASSIFIED TO 1 FTE PUBLIC WORKS SUPERVISOR POSITION.
- 178 WATER QUALITY TECHNICIAN
 FY 17-18 REFLECTS MID-YEAR RECLASSIFICATION OF 1 FTE WATER QUALITY TECH POSITION TO 1 FTE PROGRAM COORDINATOR - PUBLIC WORKS POSITION.
 FY 18-19 REFLECTS A NEW 1 FTE WATER QUALITY TECHNICIAN POSITION.
- 299 PAYROLL TAXES AND FRINGES
 PAYROLL TAXES AND FRINGE BENEFITS EXPRESSED AS A PERCENTAGE OF SALARY TOTALS 58.14% AS A CITY-WIDE AVERAGE AND CONSISTS OF THE FOLLOWING:
 34.14% IN PAYROLL TAXES CONSISTING OF 7.65% FICA, AVERAGE OF 23.22% FOR RETIREMENT CONTRIBUTIONS (28.45% PERS. 19.45% OPSRP GENERAL OR 24.08% OPSRP POLICE), AND 3.27% IN OTHER TAXES (UNEMPLOYMENT, LONG TERM DISABILITY, WORKERS COMPENSATION, PEHP, AND TRIMET)
 24.00% AS THE AVERAGE COST OF MEDICAL, DENTAL, LIFE AND AD&D INSURANCES

- 301 OFFICE EXPENSE
 OFFICE SUPPLIES (7 EMPLOYEES @ \$100 EACH) \$700
- 303 OFFICE FURNITURE & EQUIPMENT
 NEW OR REPLACEMENT OF MISC OFFICE EQUIPMENT FOR ASR 5 \$1,000
- 304 DEPARTMENT EQUIPMENT EXPENSE
 CHLORINE POCKET COLORIMETER REPLACEMENTS (2 @ \$500 EA) \$1,000
 WATER SAMPLING STATIONS (2 @ \$2,100 EA) \$4,200
 REPLACEMENT PROBES FOR ON-LINE FLUORIDE ANALYZER (2 @ \$900 EA) \$1,800
 REPLACEMENT PROBES FOR ON-LINE CHLORINE ANALYZERS (2 @ \$1,200 EA) \$2,400
 ROSEMONT CHLORINE ANALYZER/PH METER MEMBRANE FILTERS \$1,000
 HACH PH/CONDUCTIVITY PROBE (2 @ \$1000 EA) \$2,000
 REPLACE IN-LINE FLUORIDE ANALYZER \$7,700
 REPLACEMENT OF MUTI-PRO AIR SENSOR (2 @2000) \$4,000
 PRESSURE TRANSDUCERS FOR ASR PROGRAM (3 @ \$2,000 EACH) \$6,000
 STORAGE SHELVEING FOR STORAGE CONTAINERS \$1,500
 VALVE POSITION INDICATOR \$6,000
 PRV PRESSURE TRANSMITTERS (2@ 1200) \$2,400
- 305 SPECIAL DEPARTMENT SUPPLIES
 TELEMETRY AND PRESSURE GAUGE SUPPLIES \$1,000
 REPLACEMENT OF TRAFFIC SAFETY EQUIPMENT/CONES AND SIGNING \$1,000
 HAND TOOLS, BATTERIES & BUILDING SUPPLIES \$2,000
 REPLACEMENT OF VEHICLE (TOOLS,MATS, INVERTERS,ETC) \$1,000

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0743 WATER SYSTEM QUALITY

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
307	MEMBERSHIP FEES										
	10,184		11,126		12,165		12,100	13,541		13,541	
308	PERIODICALS & SUBSCRIPTIONS										
	300				300		305	420		420	
317	COMPUTER EQUIPMENT										
							728	1,131		1,131	
318	COMPUTER SOFTWARE										
					13,500		8,000				
321	TRAVEL, TRAINING & SUBSISTENCE										
	3,482		4,852		7,780		7,700	11,990		11,990	
328	MEALS & RELATED EXPENSE										
	65										
341	COMMUNICATIONS EXPENSE										
	31,577		33,902		45,000		44,000	46,000		46,000	
351	UTILITIES EXPENSE										
	245,004		261,611		290,000		270,000	290,000		290,000	
361	UNIFORMS & SPECIAL CLOTHING										
	3,358		3,494		6,000		5,500	7,200		7,200	
381	BUILDING EXPENSE										
	9		6,429		20,000		15,000	20,000		20,000	
419	CHEMICAL & LABORATORY SUPPLIES										
	31,391		32,870		50,000		50,000	66,000		66,000	
425	DUMPING EXPENSES										
	35				500		700	500		500	
441	LINE MAINTENANCE										
	33,246		32,348		75,000		72,000	38,000		38,000	
461	SPECIAL EXPENSE										
		54			800		800	1,000		1,000	

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0743 WATER SYSTEM QUALITY

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

307	MEMBERSHIP FEES NW AWWA SUBSECTION AND INDIVIDUAL AWWA MEMBERSHIP (5 @ \$228) \$1,140 OHA DIST TREAT RENEWAL (2 COMBINATION@210) \$420 STATE FIRE MARSHALL HAZARDOUS MATERIALS PERMIT SITES 2 @ \$3400 EACH \$6,800 LIBRARY FOUNTAIN PERMIT \$300 OREGON ASSOCIATION OF WATER UTILITIES (SUPERVISOR AND 4 OPERATORS / \$100 EACH) \$500 PACIFIC NW SECTION AWWA /OREGON WATER UTILITIES COUNCIL \$2,100 OREGON HEALTH AUTHORITY- CROSS CONNECTION SERVICE FEE \$525 OHA SPECIALIST AND TESTER RENEWALS 1 COMBINATION@\$305 EACH \$305 HOA DUES FOR 2 LOTS FOR RESERVE AT COOPER MTN ASR \$1,451
308	PERIODICALS & SUBSCRIPTIONS WATER QUALITY OPERATION AND MAINTENANCE MANUALS \$300 WATER TREATMENT MANUALS AND PERIODICALS ADDRESSING NEWEST EPA REGULATIONS \$120
317	COMPUTER EQUIPMENT DESKTOP COMPUTER \$760 MONITOR (27 INCH) \$219 BATTERY BACKUP \$152
318	COMPUTER SOFTWARE NO APPROPRIATION REQUESTED
321	TRAVEL, TRAINING & SUBSISTENCE MANAGER, SUPERVISOR, LEAD PNWAWWA CONFERENCE-REG, LODGING, TRANS. \$4,200 AWWA SHORT SCHOOL TRAINING (3 @ \$290/EACH) \$870 AWWA WEBINAR \$220 TECHNICAL TRAINING SEMINAR ON INSTRUMENTATION \$1,200 OREGON ASSOCIATION OF WATER UTILITIES CONFERENCE (2@\$320/EACH) \$640 RECERT CROSS CONN SPECIALIST AND TESTER TRAINING (2@\$255/EA & 1@\$550/EA) \$1,060 APWA EXPO (2 @\$1900/EACH) \$3,800
328	MEALS & RELATED EXPENSE FY 2017-18 REFLECTS THIS EXPENSE IS ACCOUNTED FOR IN THE PUBLIC WORKS ADMINISTRATION FUND
341	COMMUNICATIONS EXPENSE INTERNET CHARGES AND LOCAL EXCHANGE TELEPHONE LINES FOR THE WATER TELEMTRY SYSTEM, \$46,000
351	UTILITIES EXPENSE ELECTRICAL POWER EXPENSE TO PGE - ASR 1, ASR 2, ASR 4, FOUR PUMP STATIONS, 23 POWERED PRV STATIONS, FLUORIDE STATION. INCLUDES SOLAR PANEL EXPENSES AND REFLECTS ENERGY SAVINGS \$290,000
361	UNIFORMS & SPECIAL CLOTHING RAIN GEAR AND SAFETY GEAR AND PERSONEL PROTECTION GEAR (6 EMPLOYEES @ \$1,200 EA) \$7,200
381	BUILDING EXPENSE MISCELLANOUS EXPENSE FOR WATER SITE BUILDINGS/MAINTENANCE \$20,000
419	CHEMICAL & LABORATORY SUPPLIES VARIOUS CHEMICALS FOR WATER QUALITY SITES (FLUORIDE, SODIUM HYPOCHLORITE, \$58,000 DE-CLOR,VITA-CLOR,WATER TESTING CHEMICAL AND REAGENTS, ETC.) \$8,000
425	DUMPING EXPENSES LANDFILL DEBRIS DISPOSAL MISCELLANEOUS PROJECTS \$500
441	LINE MAINTENANCE CHLORINE AND FLUORIDE INJECTION EQUIPMENT, RESERVOIRS, PUMPS AND PUMPING RELATED ITEMS \$38,000
461	SPECIAL EXPENSE COMMERCIAL DRIVERS LICENSE AND RENEWAL \$200 OPERATOR CERTIFICATION TESTING AND PREP \$800

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0743 WATER SYSTEM QUALITY

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
511	PROFESSIONAL SERVICES										
	68,861		66,162		106,600		102,000	208,500		208,500	
536	MAINTENANCE CONTRACTS										
	23,102		23,742		33,500		31,000	49,500		49,500	
551	RENTS AND LEASES										
	616		648		2,984		600	1,000		1,000	
TOTAL CLASS: 10 MATERIALS & SERVICES											
	476,233		489,912		708,629		663,383	801,482		801,482	
CLASS: 15 CAPITAL OUTLAY											
641	VEHICLES										
					92,650		92,650	44,650		44,650	
671	EQUIPMENT										
	40,000		63,776		92,000		92,000	96,600		96,600	
TOTAL CLASS: 15 CAPITAL OUTLAY											
	40,000		63,776		184,650		184,650	141,250		141,250	
CLASS: 25 TRANSFERS											
803	TRSFER TO GENERAL FD-LANDSCAPE										
	69,355		80,215		83,669		83,669	88,269		88,269	
804	TRSFER - OPERATIONS ADMIN										
	197,088		249,697		288,261		288,261	261,881		261,881	
805	TRSFER TO G/F BLDG MAINT										
	20,687		18,448		20,886		20,886	20,972		20,972	
808	TRSFERS TO GIS PGRM (TO ISD FUND 2018-19)										
	101,395		165,166		179,079		179,079	177,216		177,216	
817	TRSFERS TO GARAGE FUND										
	40,360		16,755		52,489		52,489	19,930		19,930	
TOTAL CLASS: 25 TRANSFERS											
	428,885		530,281		624,384		624,384	568,268		568,268	
CLASS: 30 FUND BAL/CONTINGENCY/RESERVES											
972	RESERVE - OPERATIONS FACILITY REPLACMT										
										121,939	

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0743 WATER SYSTEM QUALITY

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

511 PROFESSIONAL SERVICES

- TEST, REPAIR AND REPLACE (METERS, MOTORS, PUMPS, ETC) \$20,000
- CERTIFIED LABORATORY WATER QUALITY TESTING (EPA REGULATION) \$65,000
- TELEMETRY CONTROLLED MAINTENANCE & CALIBRATION \$18,000
- VIBRATION TESTING OF PUMPS AND MOTORS \$2,000
- COVERALL CLEANING \$500
- CALIBRATION FOR WATER GAUGES AND WATER LINE LOCATING EQUIPMENT \$4,000
- TELEMETRY REPAIR / LABOR \$4,000
- OVERFLOW INSPECTION OF WATERLINE PROJECTS \$95,000

536 MAINTENANCE CONTRACTS

- ELECTRIC BACK-UP GENERATORS AT WATER SITES, TESTING (5 @ \$1,500) \$7,500
- GENERATOR REPAIR \$4,000
- HACH ON-LINE ANALYZER, MAINTENANCE AND CALIBRATION ON ALL HACH EQUIPMENT \$28,000
- CONTINUED CONTRACT WITH (ECOSCONNECT LLC) BACKFLOW \$10,000

551 RENTS AND LEASES

- MISCELLANEOUS EQUIPMENT RENTAL \$1,000

641 VEHICLES

- 1 - NEW ADDITIONAL TRANSIT VAN (PRV, ARV REPAIR) COST INCLUDES LIGHTING AND SHELVES, CARGO PARTITION AND LICENSING \$44,650

671 EQUIPMENT

- REPLACE AGING TELEMETRY EQUIPMENT AT 4 SITES @ \$24,150 EACH \$96,600
- ON-GOING UPGRADES AT 27 SITES - 50% COMPLETED

803 TRSFR TO GENERAL FD-LANDSCAPE

- ALLOCATION OF LANDSCAPE MAINTENANCE SERVICES PROVIDED BY THE GENERAL FUND \$88,269

804 TRSFR - OPERATIONS ADMIN

- ALLOCATION OF SERVICES PROVIDED BY THE OPERATIONS ADMINISTRATION FUND. \$261,881

805 TRSFR TO G/F BLDG MAINT

- ALLOCATION OF BUILDING MAINTENANCE SERVICES PROVIDED BY THE GENERAL FUND \$20,972

808 TRSFERS TO GIS PGRM (TO ISD FUND 2018-19)

- ALLOCATION OF GEOGRAPHIC INFORMATION SERVICES \$177,216

817 TRSFERS TO GARAGE FUND

- ALLOCATION OF FLEET SERVICES (FUEL AND MAINTENANCE) PROVIDED BY THE GARAGE FUND \$19,930

972 RESERVE - OPERATIONS FACILITY REPLACMT

- AMENDMENT PACKET NO. 4B - ESTABLISH A RESERVE TO BEGIN ACCUMULATING FUNDS FOR THE EVENTUAL REPLACEMENT OF THE OPERATIONS FACILITY COMPLEX.
- TOTAL RESERVE IN FY 2019-20 IS \$500,000 AND THEY ARE IN INDIVIDUAL FUNDS AS FOLLOWS: \$121,939
- GENERAL FUND \$70,597
- STREET FUND \$132,657
- WATER FUND \$121,939
- SEWER FUND \$65,269
- STORM DRAIN FUND \$109,538

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
 DEPT: 85 PUBLIC WORKS - OPERATIONS
 PROGRAM: 0743 WATER SYSTEM QUALITY

OBJ	2017 - ACTUAL		2018 - ACTUAL		2019 BUDGETED		2019	2020 - RECOMD		2020 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE

TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES

												121,939
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TOTAL PROGRAM: 0743 WATER SYSTEM QUALITY

	1,380,791	3.50	1,559,225	3.50	2,212,066	5.50	2,079,472	2,259,139	5.50	2,381,078	5.50
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TOTAL DEPARTMENT: 85 PUBLIC WORKS - OPERATIONS

	9,230,522	16.25	8,662,551	16.25	20,888,940	19.00	11,251,888	27,243,735	19.00	28,522,665	19.00
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TOTAL FUND: 501 WATER FUND

	12,171,591	20.69	13,304,795	21.69	28,397,277	26.88	16,363,821	32,900,749	27.63	34,179,679	27.63
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BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
DEPT: 85 PUBLIC WORKS - OPERATIONS
PROGRAM: 0743 WATER SYSTEM QUALITY

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS
