

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301 BEGINNING WORKING CAPITAL

	-12,236,827		-13,147,277		-13,462,753		-13,462,753	-13,462,753	-11,264,478		-11,264,478	
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TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

	-12,236,827		-13,147,277		-13,462,753		-13,462,753	-13,462,753	-11,264,478		-11,264,478	
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CLASS: 15 INTERGOVERNMENTAL REVENUE

329 OTHER INTERGOVERNMENTAL REV

	-101,872		-88,526		-80,000			-80,000	-80,000		-80,000	
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TOTAL CLASS: 15 INTERGOVERNMENTAL REVENUE

	-101,872		-88,526		-80,000			-80,000	-80,000		-80,000	
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CLASS: 20 PERMITS & FEES

355 WATER METER INSTALLATION FEES

	-51,989		-33,835		-20,000		-40,487	-20,000	-20,000		-20,000	
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TOTAL CLASS: 20 PERMITS & FEES

	-51,989		-33,835		-20,000		-40,487	-20,000	-20,000		-20,000	
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CLASS: 25 SERVICE FEES

361 WATER SALES

	-10,127,493		-11,323,060		-15,316,462		-13,300,894	-14,500,000	-16,150,000		-16,150,000	
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362 UNMETERED WATER SALES

	-29,914		-23,447		-15,000		-6,430	-10,000	-15,000		-15,000	
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364 CUSTOMER SERV CHARGES

	-27,385		-27,845		-25,000		-24,710	-30,000	-30,000		-30,000	
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366 DEMAND CHARGE

	-3,579,324		-4,150,245		-5,366,782		-4,986,659	-5,100,000	-5,600,000		-5,600,000	
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369 UTILITY SALES ALLOWANCES

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DEPT: 03 REVENUE

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
	71,077		107,903		85,000		97,531	100,000	111,000		111,000	

TOTAL CLASS: 25 SERVICE FEES

	-13,693,039		-15,416,694		-20,638,244		-18,221,162	-19,540,000	-21,684,000		-21,684,000	
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CLASS: 35 MISCELLANEOUS REVENUES

382 SALE OF CITY OR BURA PROPERTY

	-12,825		-11,443				-27	-27				
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384 INVESTMENT INTEREST EARNINGS

	-206,543		-295,435		-313,600		-283,320	-313,600	-183,500		-183,500	
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389 MISCELLANEOUS REVENUES

	-34,547		-34,002		-30,000		-38,246	-30,000	-30,000		-30,000	
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394 MISC INTEREST EARNINGS

	-19,318		-21,902		-20,000		-51,435	-20,000	-20,000		-20,000	
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398 SRVS PROVIDED TO OTHER FUNDS

	-91,179		-347,548		-200,000		-326,654	-200,000	-200,000		-200,000	
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399 REIMBURSEMENTS - OTHER

	-280											
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753 ENERGY EFFICIENCY REBATES

			-6,160				-17,664	-5,196				
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757 MED/LIFE INS PREM REFUND DISTRIBUTION

	-3,656		-2,261									
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TOTAL CLASS: 35 MISCELLANEOUS REVENUES

	-368,348		-718,751		-563,600		-717,346	-568,823	-433,500		-433,500	
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TOTAL DEPARTMENT: 03 REVENUE

	-26,452,075		-29,405,083		-34,764,597		-32,441,748	-33,671,576	-33,481,978		-33,481,978	
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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

046	PRINCIPAL ENGINEER											
	53,062	.40	56,097	.40	57,940	.40	66,667	64,737	56,019	.40	56,019	.40
068	ENGINEERING ASSOCIATE											
			11,153	1.00	83,970	1.00	63,989	70,043	75,324	1.00	75,324	1.00
084	PROJECT ENGINEER 1											
	141,555	1.50	231,929	2.50	214,071	2.10	194,328	207,486	215,894	2.10	215,894	2.10
123	ENGINEERING TECH 2											
					7,702		8,657	8,654				
124	ENGINEERING CONST INSPECTOR											
	24,829	.40	26,638	.40								
175	PROJECT ENGINEER 2											
	30,591	1.00	111,981	1.00	214,973	2.00	114,510	147,272	230,031	2.00	230,031	2.00
221	SUPPORT SPECIALIST 2											
	23,721	.50	25,371	.50	28,021	.50	20,335	22,056	27,870	.50	27,870	.50
294	PROJECT SPECIALIST											
					28,444	.50	26,252	28,668	36,998	.50	36,998	.50
299	PAYROLL TAXES AND FRINGES											
	141,845		222,142		367,661		262,292	296,834	370,128		370,128	

TOTAL CLASS: 05 PERSONNEL SERVICES

	415,603	3.80	685,311	5.80	1,002,782	6.50	757,030	845,750	1,012,264	6.50	1,012,264	6.50
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CLASS: 10 MATERIALS & SERVICES

303	OFFICE FURNITURE & EQUIPMENT											
	1,616		2,096		3,100				2,500		2,500	
305	SPECIAL DEPARTMENT SUPPLIES											
	70		4		400			400	400		400	
307	MEMBERSHIP FEES											
	48,390		54,395		60,925		51,488	61,250	61,370		61,370	
314	OUTSIDE REPRODUCTION EXPENSES											

BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
					1,000			500	1,700		1,700	
317	COMPUTER EQUIPMENT											
	5,294		7,517		2,450		2,259	1,500				
318	COMPUTER SOFTWARE											
	4,000				30,000							
321	TRAVEL, TRAINING & SUBSISTENCE											
	10,785		5,996		25,825		5,208	7,348	19,700		19,700	
328	MEALS & RELATED EXPENSE											
	608		1,342		1,500		733	1,500	1,500		1,500	
361	UNIFORMS & SPECIAL CLOTHING											
	597		596		750		430	750	1,050		1,050	
444	ASR OPERATING & MONITORING EXP											
			186,643		306,550		333,753	290,000	198,000		198,000	
445	NON-CIP ENGINEERING EXPENSE											
					50,000		20,000	20,000				
461	SPECIAL EXPENSE											
	13,341		21,066		30,900		608	23,700	40,900		40,900	
511	PROFESSIONAL SERVICES											
	63,537		60,847		793,800		290,959	215,000	457,000		457,000	
TOTAL CLASS: 10 MATERIALS & SERVICES												
	148,238		340,502		1,307,200		705,438	621,948	784,120		784,120	
CLASS: 25 TRANSFERS												
816	TRSFERS TO REPROGRAPHICS FUND											
	3,709		2,278		1,651		2,606	1,651	2,322		2,322	
817	TRSFERS TO GARAGE FUND											
			39						33		33	
835	TRSFER TO GF, BVTN BLDG OPERATIONS											
	20,592		10,296		16,701		15,309	16,701	21,892		21,892	
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	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
	27,400		10,356		18,627		17,558	18,627				

TOTAL CLASS: 25 TRANSFERS

	51,701		22,969		36,979		35,473	36,979	24,247		24,247	
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TOTAL DEPARTMENT: 72 CAPITAL DEVELOPMNT-ENGINEERING

	615,542	3.80	1,048,782	5.80	2,346,961	6.50	1,497,941	1,504,677	1,820,631	6.50	1,820,631	6.50
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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - RECOMD		2021 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	74,940	1.00	134,187	2.00	129,199	131,445	154,146	2.00	154,146	2.00
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057 PUBLIC WORKS SUPERVISOR

	108,281	2.00	188,439	2.00	192,562	2.00	188,424	190,702	188,921	2.00	188,921	2.00
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112 PUBLIC WORKS MANAGER

	111,346	1.00	118,242	1.00	122,139	1.00	114,510	122,366	124,856	1.00	124,856	1.00
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133 WATER CUSTOMER SERVICE TECH

	62,949	1.00	76,997	1.00	23,821		22,157	22,156				
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162 WATER LEAD

	154,431	2.00	172,390	2.00	311,448	5.00	328,554	325,745	394,149	5.00	394,149	5.00
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173 WATER DISTRIBUTION TECHNICIAN 1

	194,214	6.00	193,518	6.00	338,999	6.00	294,570	310,894	366,002	6.00	247,462	4.00
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178 WATER QUALITY TECHNICIAN 2

	120,613			1.00	54,502	1.00		14,014	58,721	1.00	58,721	1.00
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188 INVENTORY CONTROL TECHNICIAN

	15,822	.25										
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209 WATER DISTRIBUTION TECHNICIAN 2

	166,563	3.00	349,031	5.00	206,346	2.00	198,154	203,317	187,423	3.00	136,766	2.00
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215 UTILITY WORKER

							10,137				146,661	3.00
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299 PAYROLL TAXES AND FRINGES

	520,424		688,613		959,727		802,356	820,230	965,655		964,467	
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TOTAL CLASS: 05 PERSONNEL SERVICES

	1,472,211	16.25	1,862,170	19.00	2,343,731	19.00	2,088,061	2,140,869	2,439,873	20.00	2,416,149	20.00
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CLASS: 10 MATERIALS & SERVICES

301 OFFICE EXPENSE

	304		670		1,300		779	1,300	1,300		1,300	
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303 OFFICE FURNITURE & EQUIPMENT

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
	1,488		801		2,050		820	2,000	2,150		2,150	
304	DEPARTMENT EQUIPMENT EXPENSE											
	24,243		52,481		71,641		66,874	61,000	81,975		81,975	
305	SPECIAL DEPARTMENT SUPPLIES											
	5,983		10,787		11,800		7,105	11,300	26,800		26,800	
307	MEMBERSHIP FEES											
	11,949		14,331		16,981		11,597	16,941	33,950		33,950	
308	PERIODICALS & SUBSCRIPTIONS											
	200		532		870		759	800	800		800	
316	ADVERTISING, RECORDING & FILING											
	2,118						65	100				
317	COMPUTER EQUIPMENT											
			1,895		1,131		995	995	1,646		1,646	
318	COMPUTER SOFTWARE											
			8,000		359		298					
321	TRAVEL, TRAINING & SUBSISTENCE											
	10,021		13,168		31,325		13,315	17,180	30,660		30,660	
341	COMMUNICATIONS EXPENSE											
	33,902		31,536		46,000		27,069	46,000	48,000		48,000	
351	UTILITIES EXPENSE											
	261,611		280,074		290,000		247,719	290,000	292,000		292,000	
361	UNIFORMS & SPECIAL CLOTHING											
	10,402		9,483		21,200		17,380	21,000	22,400		22,400	
371	EQUIPMENT OPER & MAINT EXPENSE											
					6,650		3,450	3,450				
372	ROLLING STOCK & EQUIPMENT UNDER \$10K											
					5,500		5,500	5,500	9,500		9,500	
381	BUILDING EXPENSE											
	6,429		4,746		20,000		3,031	17,500	20,000		20,000	
409	WATER PURCHASES FOR RESALE											
	1,383,335		1,482,560		1,684,550		949,399	1,684,550	1,700,000		1,700,000	

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
410	BARNEY RESERVOIR OPERATIONS											
	95,900		104,864		150,051		80,608	150,051	150,000		150,000	
413	SERVICE INSTALLATIONS											
	2,341		3,276		10,500		10,537	10,500	7,500		7,500	
417	WIF ADMIN OPERATING EXPENSE											
			29,588		13,000		4,559	13,000	22,477		22,477	
418	JWC OPERATING EXP - OTHER											
	79,811		59,131		45,000		112,012	80,000	70,000		70,000	
419	CHEMICAL & LABORATORY SUPPLIES											
	33,025		59,928		78,100		65,094	76,000	76,200		76,200	
425	DUMPING EXPENSES											
	1,729		2,995		5,000		4,881	5,000	6,500		6,500	
439	WATER WHEELING SERVICES - TVWD											
			312,589		1,671,621		1,251,034	1,453,450	1,500,000		1,500,000	
441	LINE MAINTENANCE											
	185,760		238,141		228,700		220,240	227,200	248,000		248,000	
446	METER MAINTENANCE											
	225,024		248,329		363,062		334,859	274,000	277,964		277,964	
447	WATER PURCHASES - WHEELING											
			303		510,000		246,631	375,000	390,000		390,000	
448	MANHOLE / PRV VALVE ADJUSTMENTS											
	49,000		116,452		150,000		94,356	115,000	60,000		60,000	
461	SPECIAL EXPENSE											
	349		351		2,523		1,927	2,500	2,113		2,113	
486	WWSP NON-CAPITAL EXPENSE											
					393,024		393,025	393,024				
487	WATER METERS FOR NEW DEVELOPMENTS											
									218,000		218,000	
489	WWSS ADMIN EXPENSES											
					100,000		45,404					
497	DEBT ISSUANCE COST											

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	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
	135,399		1,600		136,199		131,199	136,199				
498	UNDERWRITERS DISCOUNT, BOND											
	9,816				168,501		168,501	168,501				
511	PROFESSIONAL SERVICES											
	344,899		397,736		629,500		515,358	559,500	293,000		630,000	
512	CITY RIGHT OF WAY FEES											
	641,861		715,778		919,379		842,764	919,379	1,087,500		1,087,500	
525	PMTS TO OTHER GOVERNMENT AGENCIES											
	53,778		55,891		60,000		59,178	59,178	60,000		60,000	
536	MAINTENANCE CONTRACTS											
	23,742		26,974		49,500		31,870	49,500	53,500		53,500	
551	RENTS AND LEASES											
	1,917		220		2,700			1,000	2,700		2,700	
TOTAL CLASS: 10 MATERIALS & SERVICES												
	3,636,336		4,285,210		7,897,717		5,970,192	7,247,598	6,796,635		7,133,635	
CLASS: 15 CAPITAL OUTLAY												
641	VEHICLES											
	747		167,420		473,873		230,099	238,873	352,080		352,080	
670	ROLLING STOCK											
					273,364		272,846	266,258	238,500		238,500	
671	EQUIPMENT											
	140,678		98,000		96,600		90,175	96,600	108,000		108,000	
TOTAL CLASS: 15 CAPITAL OUTLAY												
	141,425		265,420		843,837		593,120	601,731	698,580		698,580	
CLASS: 25 TRANSFERS												
801	TRSFR TO GENERAL FD - OVERHEAD											
	318,316		360,830		448,971		411,557	448,971	518,656		518,656	
802	TRSFR TO GENERAL FD-ACCOUNTING											

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OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
	28,616		62,355		100,875		92,469	100,875	135,149		135,149	
803	TRSFR TO GENERAL FD-LANDSCAPE											
	80,215		83,669		88,269		80,913	88,269	87,150		87,150	
804	TRSFR - OPERATIONS ADMIN											
	249,697		314,361		261,881		240,058	261,881	295,393		295,393	
805	TRSFR TO G/F BLDG MAINT											
	18,448		20,886		20,972		19,224	20,972	21,522		21,522	
808	TRSFERS TO GIS PGRM (TO ISD FUND 2018-19)											
	165,166		179,079		177,216		162,448	177,216	187,127		187,127	
817	TRSFERS TO GARAGE FUND											
	112,814		123,205		134,214		137,818	134,214	149,783		149,783	
818	TRSFERS TO ISD-ALLOCATED											
	232,089		275,734		329,957		302,461	329,957	324,000		324,000	
819	TRSFERS TO INSURANCE FUND											
	228,792		228,792		285,990		262,158	285,990	285,990		285,990	
832	TRSFERS TO WATER DEBT SVC FUND											
	748,426		2,184,994		2,184,994		2,185,648	2,184,994	4,432,135		4,432,135	
833	TRSFERS TO WATER CONSTRUCT FUND											
	1,230,000		1,000,000		2,000,000			2,000,000	2,000,000		2,000,000	
844	TRSFERS TO WATER WIFIA FUND											
					120,000			120,000	630,000		630,000	
TOTAL CLASS: 25 TRANSFERS												
	3,412,579		4,833,905		6,153,339		3,894,754	6,153,339	9,066,905		9,066,905	
CLASS: 30 FUND BAL/CONTINGENCY/RESERVES												
972	RESERVE - OPERATIONS FACILITY REPLACMT											
					121,939				243,734		243,734	
987	RESERVE - JWC EMERGNCY EQUIPMT											
					500,000				500,000		500,000	
991	CONTINGENCY - UNRESERVED											

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BUDGET PREPARATION WORKSHEET SUMMARY

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020 YTD	2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	ACT AMT	EST AMT	AMOUNT	FTE	AMOUNT	FTE
					7,936,993				4,716,400		4,403,124	
995	RESERVE - RATE STABILIZATION											
					600,000				600,000		600,000	
996	RESERVE - EQUIPMENT REPLACEMT											
					398,636				513,491		513,491	
TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES												
					9,557,568				6,573,625		6,260,349	
TOTAL DEPARTMENT: 85 PUBLIC WORKS - OPERATIONS												
	8,662,551	16.25	11,246,705	19.00	26,796,192	19.00	12,546,127	16,143,537	25,575,618	20.00	25,575,618	20.00

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City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

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

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 BEGINNING WORKING CAPITAL

301	BEGINNING WORKING CAPITAL										
		12,236,827	13,147,277		13,462,753		13,462,753	11,264,478			11,264,478

TOTAL CLASS: 05 BEGINNING WORKING CAPITAL

		12,236,827	13,147,277		13,462,753		13,462,753	11,264,478			11,264,478
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CLASS: 15 INTERGOVERNMENTAL REVENUE

329	OTHER INTERGOVERNMENTAL REV										
		101,872	88,526		80,000		80,000	80,000			80,000

TOTAL CLASS: 15 INTERGOVERNMENTAL REVENUE

		101,872	88,526		80,000		80,000	80,000			80,000
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CLASS: 20 PERMITS & FEES

355	WATER METER INSTALLATION FEES										
		51,989	33,835		20,000		20,000	20,000			20,000

TOTAL CLASS: 20 PERMITS & FEES

		51,989	33,835		20,000		20,000	20,000			20,000
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CLASS: 25 SERVICE FEES

361	WATER SALES										
		10,127,493	11,323,060		15,316,462		14,500,000	16,150,000			16,150,000

362	UNMETERED WATER SALES										
		29,914	23,447		15,000		10,000	15,000			15,000

364	CUSTOMER SERV CHARGES										
		27,385	27,845		25,000		30,000	30,000			30,000

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 \$80,000

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 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 JULY1, 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
 AREAS 2 AND 5 BEGINNING IN DECEMBER 2018 - \$85,480
 AREAS 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 JULY1, 2019 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
 FY 20-21 WATER SALES REFLECTS A 18.5% INCREASE ON CONSUMPTION WHICH IS A 66 CENT INCREASE FROM \$3.57 TO \$4.23 PER 100 CUBIC FEET OF WATER EFFECTIVE DEC. 1, 2020 \$16,150,000 REVENUE FROM AREAS WITHDRAWN FROM TVWD AND BILLED BY BEAVERTON
 AREA 2&5 \$218,370
 AREA 3 \$406,834
 AREA 4 \$2,882,534
 AREA 6 \$290,437

362 UNMETERED WATER SALES
 CHARGES FOR USING WATER FROM HYDRANTS \$15,000

364 CUSTOMER SERV CHARGES
 FEES CHARGED FOR RETURNED CHECKS AND WATER METER TURN ON FEES. \$30,000

BP WORKSHEET & JUSTIFICATION

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

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
366	DEMAND CHARGE										
	3,579,324		4,150,245		5,366,782		5,100,000	5,600,000		5,600,000	
369	UTILITY SALES ALLOWANCES										
	-71,077		-107,903		-85,000		-100,000	-111,000		-111,000	
TOTAL CLASS: 25 SERVICE FEES											
	13,693,039		15,416,694		20,638,244		19,540,000	21,684,000		21,684,000	
CLASS: 35 MISCELLANEOUS REVENUES											
382	SALE OF CITY OR BURA PROPERTY										
	12,825		11,443				27				
384	INVESTMENT INTEREST EARNINGS										
	206,543		295,435		313,600		313,600	183,500		183,500	
389	MISCELLANEOUS REVENUES										
	34,547		34,002		30,000		30,000	30,000		30,000	
394	MISC INTEREST EARNINGS										
	19,318		21,902		20,000		20,000	20,000		20,000	
398	SRVS PROVIDED TO OTHER FUNDS										
	91,179		347,548		200,000		200,000	200,000		200,000	
399	REIMBURSEMENTS - OTHER										
	280										
753	ENERGY EFFICIENCY REBATES										
			6,160				5,196				
757	MED/LIFE INS PREM REFUND DISTRIBUTION										
	3,656		2,261								
TOTAL CLASS: 35 MISCELLANEOUS REVENUES											
	368,348		718,751		563,600		568,823	433,500		433,500	
TOTAL PROGRAM: 0000 UNRESTRICTED											
	26,452,075		29,405,083		34,764,597		33,671,576	33,481,978		33,481,978	

BP WORKSHEET & JUSTIFICATION

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

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

366	<p>DEMAND CHARGE</p> <p>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</p> <p>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.</p> <p>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</p> <p>FY2018-19 ESTIMATE INCLUDES REVENUE FROM AREAS WITHDRAWN FROM TVWD DURING THE YEAR:</p> <p>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</p> <p>FY 20-21 MODEST GROWTH IN THE NUMBER OF NEW METERS SERVED AND \$1 PER MONTH (6.25%) INCREASE ON ALL METER SIZES, EFFECTIVE 12/1/2020 \$5,600,000</p> <p>REVENUE FROM AREAS WITHDRAWN FROM TVWD AND BILLED BY BEAVERTON</p> <p>AREA 2&5 \$35,544</p> <p>AREA 3 \$210,888</p> <p>AREA 4 \$706,788</p> <p>AREA 6 \$91,164</p>
369	<p>UTILITY SALES ALLOWANCES</p> <p>BILLING ADJUSTMENTS TO CUSTOMER ACCOUNTS FOR LEAKS, WRITE OFF OF DELINQUENT CHARGES, WHEN APPLICABLE AND WRITE OFF OF UNCOLLECTIBLE ACCOUNTS \$111,000</p>
382	<p>SALE OF CITY OR BURA PROPERTY</p>
384	<p>INVESTMENT INTEREST EARNINGS</p> <p>INTEREST EARNINGS IS BASED ON AVAILABLE CASH BALANCES AND INTEREST RATES:</p> <p>FY 16-17 BUDGETED INTEREST EARNINGS ARE BASED UPON .55%</p> <p>FY 17-18 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.10%</p> <p>FY 18-19 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.75%</p> <p>FY 19-20 BUDGETED INTEREST EARNINGS ARE BASED UPON 3.00% FY 20-21 BUDGETED INTEREST EARNINGS ARE BASED UPON 1.40% \$183,500</p>
389	<p>MISCELLANEOUS REVENUES</p> <p>AT&T CELL TOWER SITE LEASE, T-MOBILE CELL TOWER SITE LEASE, HYDRANT METERS \$30,000 RENTALS, 3RD PARTY RECOVERIES FOR DAMAGES TO CITY PROPERTY</p>
394	<p>MISC INTEREST EARNINGS</p> <p>REVENUES FROM DELINQUENT CHARGES ASSESSED THROUGH THE CITY'S UTILITY BILLING SYSTEM \$20,000</p>
398	<p>SRVS PROVIDED TO OTHER FUNDS</p> <p>REIMBURSEMENTS RECEIVED FROM OTHER FUNDS FOR PROVIDING IN-HOUSE ENGINEERING SERVICES FOR CAPITAL PROJECTS. \$200,000</p>
399	<p>REIMBURSEMENTS - OTHER</p>
753	<p>ENERGY EFFICIENCY REBATES</p> <p>PGE ENERGY EFFICIENCY REBATE - INCENTIVE FOR THE SEXTON MT. PUMP STATION'S PARTICIPATION IN THE ENERGY PARTNER PROGRAM WITH PGE.</p> <p>THE PROGRAM IS SEASONAL AND MAY NOT CONTINUE IN THE FY20-21.</p>
757	<p>MED/LIFE INS PREM REFUND DISTRIBUTION</p> <p>MODA MEDICAL INSURANCE PREMIUM EXPERIENCE REBATE DISTRIBUTION TO OPERATING FUNDS</p>

City of Beaverton - Finance
 Budget Preparation - 2021
 FUND: 501 WATER FUND

BP WORKSHEET & JUSTIFICATION

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
TOTAL DEPARTMENT: 03 REVENUE											
	26,452,075		29,405,083		34,764,597		33,671,576	33,481,978		33,481,978	

City of Beaverton - Finance
Budget Preparation - 2021
FUND: 501 WATER FUND

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	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

046	PRINCIPAL ENGINEER	53,062	.40	56,097	.40	57,940	.40	64,737	56,019	.40	56,019	.40
068	ENGINEERING ASSOCIATE			11,153	1.00	83,970	1.00	70,043	75,324	1.00	75,324	1.00
084	PROJECT ENGINEER 1	141,555	1.50	231,929	2.50	214,071	2.10	207,486	215,894	2.10	215,894	2.10
123	ENGINEERING TECH 2					7,702		8,654				
124	ENGINEERING CONST INSPECTOR	24,829	.40	26,638	.40							
175	PROJECT ENGINEER 2	30,591	1.00	111,981	1.00	214,973	2.00	147,272	230,031	2.00	230,031	2.00
221	SUPPORT SPECIALIST 2	23,721	.50	25,371	.50	28,021	.50	22,056	27,870	.50	27,870	.50
294	PROJECT SPECIALIST					28,444	.50	28,668	36,998	.50	36,998	.50
299	PAYROLL TAXES AND FRINGES	141,845		222,142		367,661		296,834	370,128		370,128	

TOTAL CLASS: 05 PERSONNEL SERVICES

		415,603	3.80	685,311	5.80	1,002,782	6.50	845,750	1,012,264	6.50	1,012,264	6.50
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CLASS: 10 MATERIALS & SERVICES

303	OFFICE FURNITURE & EQUIPMENT	1,616		2,096		3,100			2,500		2,500	
305	SPECIAL DEPARTMENT SUPPLIES	70		4		400		400	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.
 FY 2019-20 REFLECTS 380 HRS PTO CASH-IN.
 - 068 ENGINEERING ASSOCIATE
 FY 2018-19 REFLECTS A NEW 1 FTE ENGINEERING ASSOCIATE ADDED MID-YEAR
 - 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.
 FY 18-19 REFLECTS A NEW 1 FTE PROJECT ENGINEER 1 POSITION.
 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. POSITION ALLOCATED 50% WATER FUND, 25% SEWER FUND AND 25% STORM DRAIN FUND.
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF AN ENGINEERING TECH2 POSITION TO A PROJECT SPECIALIST POSITION.
 - 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.
 FT 2019-20 AND 2020-21 REFLECT 80 HRS PTO CASH-IN.
 - 221 SUPPORT SPECIALIST 2
 POSITION IS ALLOCATED .50 FTE 501-72-0740 / .25 FTE 502-72-0740 / .25 FTE 513-72-0740.
 - 294 PROJECT SPECIALIST
 POSITION ALLOCATED 50% WATER FUND, 25% SEWER FUND AND 25% STORM DRAIN FUND.
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF AN ENGINEERING TECH2 POSITION TO A PROJECT SPECIALIST 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
-
- 303 OFFICE FURNITURE & EQUIPMENT
 MISCELLANEOUS OFFICE FURNITURE AND EQUIPMENT \$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	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
307	MEMBERSHIP FEES										
	48,390		54,395		60,925		61,250	61,370		61,370	
314	OUTSIDE REPRODUCTION EXPENSES										
					1,000		500	1,700		1,700	
317	COMPUTER EQUIPMENT										
	5,294		7,517		2,450		1,500				
318	COMPUTER SOFTWARE										
	4,000				30,000						
321	TRAVEL, TRAINING & SUBSISTENCE										
	10,785		5,996		25,825		7,348	19,700		19,700	
328	MEALS & RELATED EXPENSE										
	608		1,342		1,500		1,500	1,500		1,500	
361	UNIFORMS & SPECIAL CLOTHING										
	597		596		750		750	1,050		1,050	
444	ASR OPERATING & MONITORING EXP										
			186,643		306,550		290,000	198,000		198,000	
445	NON-CIP ENGINEERING EXPENSE										
					50,000		20,000				
461	SPECIAL EXPENSE										
	13,341		21,066		30,900		23,700	40,900		40,900	
511	PROFESSIONAL SERVICES										
	63,537		60,847		793,800		215,000	457,000		457,000	

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 & PE2) \$675
 - OREGON ASSOC OF WATER UTILITIES (CITY MEMBERSHIP) \$8,200
 - AWWA CITY MEMBERSHIP \$4,100
 - AMERICAN PUBLIC WORKS ASSOCIATION MEMBERSHIP (SS & PE2) \$380
 - WATER RIGHTS EXAMINER LICENSE RENEWAL (DW) \$100
 - REGIONAL WATER PROVIDER CONSORTIUM ANNUAL DUES \$40,250
 - LEAGUE OF OREGON CITIES ANNUAL DUES (WATER PORTION) \$6,345
 - 1-PROF LAND SURVEYOR LICENSE RENEWAL (\$220EA) (DW) \$220
 - 1-PLSO MEMBERSHIP (\$100EA) (DW) \$100
- 314 OUTSIDE REPRODUCTION EXPENSES
 - AWWA COPYRIGHTED BROCHURES & MATERIALS; OTHER PRINTED MATERIALS RELATED TO WATER \$1,000
 - VARIOUS WATER CONSERVATION PRINT MATERIALS \$700
- 317 COMPUTER EQUIPMENT
 - NO APPROPRIATION REQUESTED
- 318 COMPUTER SOFTWARE
- 321 TRAVEL, TRAINING & SUBSISTENCE
 - 1 - TRAINING FOR WATER DIST 1 PROFESSIONAL DEV HOURS (BB) \$900
 - 1 - PROFESSIONAL ENG/PROF LAND SURVEYOR/WATER RIGHTS (PRINCIAL ENG) \$1,000
 - 6 - PNWS-AWWA CONFERENCE REGISTRATION AND EXPENSES (\$1,500 EA) (5 PE, 1 SPECIALIST) \$9,000
 - 2 - APWA CONFERENCE AND TECHNICAL TRAINING \$2,000
 - 1 - TRAINING FOR SANITARY CERT PROFESSIONAL DEV HOURS (DW) \$900
 - DEPARTMENTAL PROFESSIONAL DEVELOPMENT \$2,500
 - 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
- 361 UNIFORMS & SPECIAL CLOTHING
 - 7 - RAINGEAR, FOOTWEAR, CLOTHING, JACKETS, HARD HATS, VESTS & SAFETY EQUIP (\$150/EMPLOYEE) \$1,050
- 444 ASR OPERATING & MONITORING EXP
 - ASR ANNUAL REPORTING AND ON CALL SERVICES \$198,000
- 445 NON-CIP ENGINEERING EXPENSE
- 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 \$30,000
 - CITY SHARE OF COLLEGE CAREER FAIR BOOTH FOR STAFF RECRUITMENT 500 \$500
- 511 PROFESSIONAL SERVICES
 - CONSULTANT SERVICES FOR EPA MANDATED CONSUMER CONFIDENCE REPORT \$7,000
 - ELEMENTARY SCHOOLS WATER CONSERVATION PERFORMANCE \$1,000
 - IN-HOUSE LOCATE CHARGES \$45,000
 - WATER AUDITS FOR WATER CONSERVATIONS \$2,000
 - WATER SDC RATE STUDY (POTABLE AND NON-POTABLE) \$20,000
 - COMMUNITY WATER SYSTEM RISK AND RESILIENCE \$200,000
 - SHAKE ALERT - TELEMETRY INTERGRATION \$10,000
 - FRACTA - PIPELINE CONDITION ASSESSMENT \$15,000
 - WATER SYSTEM HYDROLOGIC MODELING \$50,000
 - CATHODIC PROTECTION STUDY \$67,000
 - ON-CALL SURVEY \$40,000

BP WORKSHEET & JUSTIFICATION

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

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE

TOTAL CLASS: 10 MATERIALS & SERVICES

	148,238		340,502		1,307,200		621,948	784,120		784,120	
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CLASS: 25 TRANSFERS

816	TRSFERS TO REPROGRAPHICS FUND	3,709		2,278		1,651	1,651	2,322		2,322	
817	TRSFERS TO GARAGE FUND			39				33		33	
835	TRFSR TO GF, BVTN BLDG OPERATIONS	20,592		10,296		16,701	16,701	21,892		21,892	
836	TRFSR TO GF, BVTN BLDG DEBT SVC	27,400		10,356		18,627	18,627				

TOTAL CLASS: 25 TRANSFERS

	51,701		22,969		36,979		36,979	24,247		24,247	
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TOTAL PROGRAM: 0740 ENTERPRISE MGMT & ADMIN

	615,542	3.80	1,048,782	5.80	2,346,961	6.50	1,504,677	1,820,631	6.50	1,820,631	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

- 816 TRSFERS TO REPROGRAPHICS FUND
ALLOCATION OF COPIER, GRAPHICS, PRINTING, MAILING, & POSTAGE CHARGES THROUGH REPROGRAPHICS \$2,322
- 817 TRSFERS TO GARAGE FUND
ALLOCATION OF FLEET SERVICES (FUEL, MAINTENANCE & REPLACEMENT) PROVIDED BY THE GARAGE FUND \$33
- 835 TRSFR TO GF, BVTN BLDG OPERATIONS
BEAVERTON BUILDING OPERATING EXPENSE ALLOCATION \$21,892
- 836 TRSFR TO GF, BVTN BLDG DEBT SVC
BEAVERTON BUILDING DEBT SERVICE EXPENSE ALLOCATION
THE BONDS WILL BE PAID OFF IN FY2019-20

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND

DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING

PROGRAM: 0747 WIFIA PROGRAM MGMT

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 10 MATERIALS & SERVICES

511 PROFESSIONAL SERVICES

TOTAL CLASS: 10 MATERIALS & SERVICES

TOTAL PROGRAM: 0747 WIFIA PROGRAM MGMT

TOTAL DEPARTMENT: 72 CAPITAL DEVELOPMNT-ENGINEERING

	615,542	3.80	1,048,782	5.80	2,346,961	6.50	1,504,677	1,820,631	6.50	1,820,631	6.50
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BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND
DEPT: 72 CAPITAL DEVELOPMNT-ENGINEERING
PROGRAM: 0747 WIFIA PROGRAM MGMT

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

511 PROFESSIONAL SERVICES

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

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

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 10 MATERIALS & SERVICES

316	ADVERTISING, RECORDING & FILING										
	2,118						100				
409	WATER PURCHASES FOR RESALE										
	1,383,335	1,482,560			1,684,550		1,684,550	1,700,000		1,700,000	
410	BARNEY RESERVOIR OPERATIONS										
	95,900	104,864			150,051		150,051	150,000		150,000	
417	WIF ADMIN OPERATING EXPENSE										
		29,588			13,000		13,000	22,477		22,477	
418	JWC OPERATING EXP - OTHER										
	79,811	59,131			45,000		80,000	70,000		70,000	
439	WATER WHEELING SERVICES - TVWD										
		312,589			1,671,621		1,453,450	1,500,000		1,500,000	
447	WATER PURCHASES - WHEELING										
		303			510,000		375,000	390,000		390,000	
486	WWSP NON-CAPITAL EXPENSE										
					393,024		393,024				
489	WWSS ADMIN EXPENSES										
					100,000						
497	DEBT ISSUANCE COST										
	135,399	1,600			136,199		136,199				
498	UNDERWRITERS DISCOUNT, BOND										
	9,816				168,501		168,501				
511	PROFESSIONAL SERVICES										
	248,674	260,707			310,000		310,000			337,000	

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
 - BUREAU OF RECLAMATION
 - PORTLAND WATER BUREAU FY 20-21 \$1,700,000

- 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 \$150,000

- 417 WIF ADMIN OPERATING EXPENSE
 - BEAVERTON'S PROPORTIONAL EXPENSE OF THE WILLAMETTE INTAKE FACILITIES COMMISSION'S OPERATIONS. \$22,477

- 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.\$70,000

- 439 WATER WHEELING SERVICES - TVWD
 - PAYMENT TO TVWD TO WHEEL WATER THROUGH TVWD'S SYSTEM FOR THE4,077 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
 - FY 2020-21 892,000 CCF OF WATER AT WHEELING CHARGE OF\$1.682 PER CCF \$1,500,000

- 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 \$390,000

- 486 WWSP NON-CAPITAL EXPENSE

- 489 WWSS ADMIN EXPENSES

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

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

- 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 BUDGET AMENDMENT PKT.1 ADDS APPROPRIATION FOR METER READING COSTS WHICH REFLECT AN INCREASE DUE TO NEW CONSTRUCTION, INCLUSION OF AREA12 WITHDRAWAL FROM TVWD AND A5% PRICE INCREASE. \$337,000

BP WORKSHEET & JUSTIFICATION

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

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
512	CITY RIGHT OF WAY FEES										
	641,861		715,778		919,379		919,379	1,087,500		1,087,500	
525	PMTS TO OTHER GOVERNMENT AGENCIES										
	53,778		55,891		60,000		59,178	60,000		60,000	
TOTAL CLASS: 10 MATERIALS & SERVICES											
	2,650,692		3,023,011		6,161,325		5,742,432	4,979,977		5,316,977	
CLASS: 25 TRANSFERS											
801	TRSFER TO GENERAL FD - OVERHEAD										
	318,316		360,830		448,971		448,971	518,656		518,656	
802	TRSFER TO GENERAL FD-ACCOUNTING										
	28,616		62,355		100,875		100,875	135,149		135,149	
818	TRSFERS TO ISD-ALLOCATED										
	232,089		275,734		329,957		329,957	324,000		324,000	
819	TRSFERS TO INSURANCE FUND										
	228,792		228,792		285,990		285,990	285,990		285,990	
832	TRSFERS TO WATER DEBT SVC FUND										
	748,426		2,184,994		2,184,994		2,184,994	4,432,135		4,432,135	
833	TRSFERS TO WATER CONSTRUCT FUND										
	1,230,000		1,000,000		2,000,000		2,000,000	2,000,000		2,000,000	
844	TRSFERS TO WATER WIFIA FUND										
					120,000		120,000	630,000		630,000	
TOTAL CLASS: 25 TRANSFERS											
	2,786,239		4,112,705		5,470,787		5,470,787	8,325,930		8,325,930	
CLASS: 30 FUND BAL/CONTINGENCY/RESERVES											
972	RESERVE - OPERATIONS FACILITY REPLACMT										
					121,939			243,734		243,734	
987	RESERVE - JWC EMERGENCY EQUIPMT										
					500,000			500,000		500,000	
991	CONTINGENCY - UNRESERVED										
					7,936,993			4,716,400		4,403,124	

BP WORKSHEET & JUSTIFICATION

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

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

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

- 801 TRSFR TO GENERAL FD - OVERHEAD
 ALLOCATION OF OVERHEAD SERVICES PROVIDED BY THE GENERAL FUND
 14.59% OF FY19-20 BUDGETED PERSONNEL SERVICES TOTAL EXPENDITURES \$518,656
- 802 TRSFR TO GENERAL FD-ACCOUNTING
 ALLOCATION OF ACCOUNTING SERVICES PROVIDED BY THE GENERAL FUND \$135,149
- 818 TRSFRS TO ISD-ALLOCATED
 ALLOCATION OF SERVICES PROVIDED BY THE INFORMATION SYSTEMS FUNDS \$239,466
 SOFTWARE MAINTENANCE - TELEMETRY, ASSET SYSTEM, BACKFLOW SYSTEM AND UTILITY BILLINGS \$82,334
 ENGINEERING SOFTWARE UPGRADES \$2,200
- 819 TRSFRS TO INSURANCE FUND
 ALLOCATION OF CHARGES FOR GENERAL LIABILITY AND PROPERTY INSURANCE \$285,990
- 832 TRSFRS TO WATER DEBT SVC FUND
 DEBT SERVICE (PRINCIPAL & INTEREST) ON OUTSTANDING WATER REVENUE BONDS. (2016 & 2018)
 2016 BOND ISSUE \$680,748
 2018 BOND ISSUE \$1,440,250
 2020 BOND ISSUE \$2,246,027
 CONTRACTUAL DEBT TO BUREAU OF RECLAMATION FOR SCOGGINS DAM \$65,110
- 833 TRSFRS TO WATER CONSTRUCT FUND
 TRANSFER FROM WATER OPERATING FUND TO HELP COVER THE COST OF VARIOUS JWC AND EXTRA \$2,000,000
 CAPACITY INCREASE PROJECTS
- 844 TRSFRS TO WATER WIFIA FUND

- 972 RESERVE - OPERATIONS FACILITY REPLACMT
 IN FY 2019-20, CITY ESTABLISHED A RESERVE TO BEGIN ACCUMULATING FUNDS FOR THE EVENTUAL REPLACEMENT OF THE OPERATIONS FACILITY COMPLEX (\$500,000 PER YEAR)
 \$1,000,000 ACCUMULATED BALANCE IS ALLOCATED BASED UPON FTE COUNTS IN DEPARTMENT 85.
 GENERAL FUND \$141,110
 STREET FUND \$265,157
 WATER FUND \$243,734
 SEWER FUND \$130,461
 STORM DRAIN FUND \$219,538
 \$243,734
- 987 RESERVE - JWC EMERGENCY EQUIPMT
 DEDICATED CONTINGENCY FOR JOINT WATER COMMISSION EMERGENCY PLANT EQUIPMENT (CITY'S SHARE IS 25% OF \$2,000,000) \$500,000
- 991 CONTINGENCY - UNRESERVED

BP WORKSHEET & JUSTIFICATION

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

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
995	RESERVE - RATE STABILIZATION				600,000			600,000		600,000	
996	RESERVE - EQUIPMENT REPLACEMT				398,636			513,491		513,491	
TOTAL CLASS: 30 FUND BAL/CONTINGENCY/RESERVES					9,557,568			6,573,625		6,260,349	
TOTAL PROGRAM: 0741 WATER SERVICES					5,436,931	7,135,716	21,189,680	11,213,219	19,879,532		19,903,256

BP WORKSHEET & JUSTIFICATION

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

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 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 \$513,491



BP WORKSHEET & JUSTIFICATION

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

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE

CLASS: 05 PERSONNEL SERVICES

057	PUBLIC WORKS SUPERVISOR											
	83,693	1.00	85,804	1.00	91,050	1.00	91,140	93,223	1.00	93,223	1.00	
112	PUBLIC WORKS MANAGER											
	55,673	.50	59,121	.50	61,067	.50	61,180	62,424	.50	62,424	.50	
133	WATER CUSTOMER SERVICE TECH											
	62,949	1.00										
162	WATER LEAD											
	64,571	1.00	78,208	1.00	221,371	4.00	236,127	234,582	3.00	234,582	3.00	
173	WATER DISTRIBUTION TECHNICIAN 1											
	194,214	6.00	193,518	6.00	338,999	6.00	310,894	366,002	6.00	247,462	4.00	
188	INVENTORY CONTROL TECHNICIAN											
	15,822	.25										
209	WATER DISTRIBUTION TECHNICIAN 2											
	166,563	3.00	349,031	5.00	206,346	2.00	203,317	187,423	3.00	136,766	2.00	
215	UTILITY WORKER											
										146,661	3.00	
299	PAYROLL TAXES AND FRINGES											
	353,470		453,200		672,469		573,689	622,289		621,101		

TOTAL CLASS: 05 PERSONNEL SERVICES

	996,955	12.75	1,218,882	13.50	1,591,302	13.50	1,476,347	1,565,943	13.50	1,542,219	13.50
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CLASS: 10 MATERIALS & SERVICES

301	OFFICE EXPENSE											
	153		548		600		600	600		600		

BP WORKSHEET & JUSTIFICATION

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

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 057 PUBLIC WORKS SUPERVISOR
 FY 2020-21 REFLECTS 40 HRS PTO CASH-IN.
- 112 PUBLIC WORKS MANAGER
 1 FTE PUBLIC WORKS MANAGER 3 IS ALLOCATED:
 50% 501-85-0743 / 50% 501-85-0742.
 FY 2019-20 REFLECTS 84 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 80 HRS PTO CASH-IN.
- 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 LEAD
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF 3 FTE WATER DISTRIBUTION TECH 2
 POSITIONS TO 3 FTE WATER DISTRIBUTION LEAD POSITIONS.
 FY 2020-21 REFLECTS 1 FTE WATER DISTR LEAD POSITION TRANSFERRING WITHIN THE WATER FUND
 FROM PROGRAM 0742 TO 0743.
 FY 2020-21 REFLECTS 40 HRS PTO CASH-IN.
- 173 WATER DISTRIBUTION TECHNICIAN 1
 FY 2019-20 REFLECTS 238 HRS PTO CASH-IN.
 BUDGET AMENDMENT PKT.1 RECLASSES 2 FTE WATER DISTR TECH 1 POSITIONS TO UTILITY WORKER
- 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 TECHNICIAN 2
 FY 18-19 REFLECTS 2 NEW FTE WATER DISTRIBUTION EQUIPMENT OPERATOR POSITIONS.
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF 3 FTE WATER DISTRIBUTION TECH 2
 POSITIONS TO 3 FTE WATER DISTRIBUTION LEAD POSITIONS.
 FY 2019-20 REFLECTS 280 HRS PTO CASH-IN.
 FY 2020-21 REFLECTS A NEW 1 FTE WATER DISTR TECH 2 POSITION STARTING 9/1/2020.
 BUDGET AMENDMENT PKT.1 RECLASSES THE NEW 1 FTE WATER DISTR TECH 2 POSITION
 TO UTILITY WORKER POSITION EFFECTIVE AUGUST 1, 2020.
- 215 UTILITY WORKER
 FY 16-17 REFLECTS TRANSFER OF UTILITY WORKER POSITION FROM PUBLIC WORKS ADMIN FUND TO
 THE WATER FUND, THEN RECLASSIFIED TO WATER DISTRIBUTION TECH IN PROGRAM 0742.
 FY 16-17 ALSO REFLECTS THE RECLASSIFICATION OF 1 FTE UTILITY WORKER TO WATER
 DISTRIBUTION TECH.
 FY 2020-21 REFLECTS RECLASSIFICATION OF 2 FTE WATER DISTR TECH 1 POSITIONS AND 1 FTE
 WATER DISTR TECH 2 POSITIONS TO 3 FTE UTILITY WORKER (PER BUDGET AMENDMENT PKT.1).
- 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

BP WORKSHEET & JUSTIFICATION

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

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
303	OFFICE FURNITURE & EQUIPMENT										
	66		381		1,050		1,000	1,150		1,150	
304	DEPARTMENT EQUIPMENT EXPENSE										
	13,797		18,431		31,641		31,000	41,875		41,875	
305	SPECIAL DEPARTMENT SUPPLIES										
	5,328		6,800		6,800		6,800	20,800		20,800	
307	MEMBERSHIP FEES										
	823		1,440		3,440		3,400	3,270		3,270	
308	PERIODICALS & SUBSCRIPTIONS										
	200		200		450		400	450		450	
317	COMPUTER EQUIPMENT										
			1,167					559		559	
318	COMPUTER SOFTWARE										
					359						
321	TRAVEL, TRAINING & SUBSISTENCE										
	5,169		5,465		19,335		8,000	15,910		15,910	
361	UNIFORMS & SPECIAL CLOTHING										
	6,908		7,765		14,000		14,000	14,000		14,000	
371	EQUIPMENT OPER & MAINT EXPENSE										
					6,650		3,450				
372	ROLLING STOCK & EQUIPMENT UNDER \$10K										
					5,500		5,500	9,500		9,500	
413	SERVICE INSTALLATIONS										
	2,341		3,276		10,500		10,500	7,500		7,500	
419	CHEMICAL & LABORATORY SUPPLIES										
	155		16,663		12,100		10,000	10,200		10,200	
425	DUMPING EXPENSES										
	1,729		2,482		4,500		4,500	6,000		6,000	

BP WORKSHEET & JUSTIFICATION

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

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 303 OFFICE FURNITURE & EQUIPMENT
 - OFFICE FURNITURE 1 NEW LOCKER \$350
 - CHAIR REPLACEMENT \$800
- 304 DEPARTMENT EQUIPMENT EXPENSE
 - REPLACEMENT OF MISCELLANEOUS POWER TOOLS \$15,000
 - VALVE TURNING PROGRAM \$4,000
 - FLUSHING PROGRAM \$4,000
 - HYDRANT REPAIR AND REBUILD \$1,500
 - LOCATING \$3,000
 - HAMMERHEAD MISSILE FOR TRENCHLESS SERVICE INSTALLATION \$4,400
 - DATALOGGER LEAK DETECTION SYSTEM \$9,975
- 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
 - CUTTING BLADES \$14,000
- 307 MEMBERSHIP FEES
 - AWWA MEMBERSHIP
 - OHA CERTS WATER DIST, TREATMENT 4 SINGLE @140/EACH AND 1 COMBINATION @210/EACH) \$770
 - EXAM FEE REIMBURSEMENT \$1,500
 - 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
 - IPAD FOR FIELD USE \$559
- 318 COMPUTER SOFTWARE
 - 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 (4 @500/EA) \$2,000
 - TRAINING REGISTRATION FEES FOR CROSS CONNECTION RECERTS TESTERS 2 @550 & SPEC 2 @255) \$1,610
 - MANAGEMENT TRAINING AWWA 2 @500) \$1,000
 - CITYWORKS CONFERENCE \$1,500
 - AWWA MANAGEMENT INST. REG AND ALL EXPENSE FOR TWO \$3,200
 - DEPARTMENTAL PROFESSIONAL DEVELOPMENT \$2,600
- 361 UNIFORMS & SPECIAL CLOTHING
 - SAFETY GEAR AND CLOTHING \$3,500
 - RAINGEAR \$9,000
 - OTHER GEAR \$1,500
- 371 EQUIPMENT OPER & MAINT EXPENSE
- 372 ROLLING STOCK & EQUIPMENT UNDER \$10K
 - DEMOLITION/BREAKER TOOL FOR EXCAVATOR \$9,500
- 413 SERVICE INSTALLATIONS
 - WATER SERVICE INSTALLATIONS 1" & 2" COPPER TUBING & BRASS FITTINGS \$7,500
- 419 CHEMICAL & LABORATORY SUPPLIES
 - VITA DE-CHLOR TABLETS \$9,000
 - CHLORINE TESTING EQUIPMENT AND REAGENTS \$1,200
- 425 DUMPING EXPENSES
 - LANDFILL DEBRIS DISPOSAL \$4,000
 - HAULING ALL DEBRIS DIRECTLY TO RECEIVING FACILITY \$2,000

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

PROGRAM: 0742 WATER SYSTEM DISTRIBUTION

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
441	LINE MAINTENANCE										
	153,412		161,995		180,000		178,500	180,000		180,000	
446	METER MAINTENANCE										
	225,024		248,329		363,062		274,000	277,964		277,964	
448	MANHOLE / PRV VALVE ADJUSTMENTS										
	49,000		116,452		150,000		115,000	60,000		60,000	
461	SPECIAL EXPENSE										
	295		351		1,523		1,500	713		713	
487	WATER METERS FOR NEW DEVELOPMENTS										
								218,000		218,000	
511	PROFESSIONAL SERVICES										
	30,063		33,625		111,000		41,000	80,500		80,500	
551	RENTS AND LEASES										
	1,269		131		1,700		1,000	1,700		1,700	
TOTAL CLASS: 10 MATERIALS & SERVICES											
	495,732		625,501		924,210		710,150	950,691		950,691	
CLASS: 15 CAPITAL OUTLAY											
641	VEHICLES										
	747		75,258		429,223		194,223	316,580		316,580	

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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441	LINE MAINTENANCE	
	MAINTENANCE & REPAIR OF WATER MAINS, VALVES, HYDRANTS, BLOWOFFS AND SERVICES	\$120,000
	FIRE HYDRANT REPLACEMENT PROGRAM	\$60,000
446	METER MAINTENANCE	
	REPLACE 1,000 5/8" METERS @ \$138.11 EA	\$138,110
	REPLACE 5 3" METERS @ \$1,920.14 EACH COMMERCIAL REPLACEMENT	\$9,601
	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 525 3/4" BRASS METER TAIL PIECES @ \$8.77 EA	\$4,604
	REPLACE 525 3/4" X 1 BRASS METER BUSHINGS @ \$9.49 EA	\$4,982
	REPLACE 8 3/4" METER RISERS 12" @ \$142.13	\$1,137
	REPLACE 8 1" METER RISERS 12" @ \$291.85	\$2,335
	REPLACE 4 1 1/2" METER RISERS 12" @ \$1532.36	\$6,129
	REPLACE 4 2" METER RISERS 12" @ \$1805.34	\$7,221
	REPLACE 1 6" METER @ \$5760.43 EA	\$5,761
448	MANHOLE / PRV VALVE ADJUSTMENTS	
	CHARGES FOR ADJUSTING WATER MANHOLES AND VALVES REQUIRED DURING STREET RECONSTRUCTION.	\$60,000
461	SPECIAL EXPENSE	
	COMMERCIAL DRIVERS LICENSE AND RENEWAL FEES (5 @ \$61.50/EA)	\$308
	CDL TESTING FEE - 3RD PARTY TESTER (1 @ \$250/EA & DMV 1 @ \$155/EA)	\$405
487	WATER METERS FOR NEW DEVELOPMENTS	
	SOUTH COOPER MOUNTAIN ADJUSTMENT PARTS	\$25,000
	METER PURCHASES FOR NEW DEVELOPMENTS	\$193,000
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
	SENSUS/FERGUSON METER SUPPORT	\$2,500
	OVERHEAD CRANE CERTIFICATION AND TESTING	\$17,000
551	RENTS AND LEASES	
	MISCELLANEOUS EQUIPMENT RENTAL	\$500
	HEAVY EQUIPMENT RENTAL	\$1,200
641	VEHICLES	
	REPLACEMENT OF 6-620, 2005 FORD F350 WITH LIKE TYPE VEHICLE (COSTS INCLUDE VEHICLE, DUMP BODY, SETUP ITEMS,SAFETY LIGHTING AND LICENSING)	\$51,300
	(NOT AVAILBLE AS EV)	
	ADDITIONAL VEHICLE- FORD TRANSIT CONNECT CUSTOMER SERVICE VEHICLE (COSTS INCLUDE VEHICLE, SHELIVING, SETUP ITEMS,SAFETY LIGHTING AND LICENSING)	\$30,280
	(NOT AVAILBLE AS EV)	
	CARRY OVER FROM 19-20: HEAVY DUTY CRANE, LIGHTING, REELS, WATER TANK, GENERATOR, SHELIVING AND LICENSING	\$235,000

BP WORKSHEET & JUSTIFICATION

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

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
670	ROLLING STOCK				273,364		266,258	238,500		238,500	
671	EQUIPMENT			6,000							
	76,902										
TOTAL CLASS: 15 CAPITAL OUTLAY											
	77,649		81,258		702,587		460,481	555,080		555,080	
CLASS: 25 TRANSFERS											
817	TRSFERS TO GARAGE FUND										
	96,059		83,861		114,284		114,284	109,857		109,857	
TOTAL CLASS: 25 TRANSFERS											
	96,059		83,861		114,284		114,284	109,857		109,857	
TOTAL PROGRAM: 0742 WATER SYSTEM DISTRIBUTION											
	1,666,395	12.75	2,009,502	13.50	3,332,383	13.50	2,761,262	3,181,571	13.50	3,157,847	13.50

BP WORKSHEET & JUSTIFICATION

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

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 670 ROLLING STOCK
 - ADDITIONAL EQUIPMENT- 2020 908M CATERPILLER LOADER (WILL REMOVE HELDOVER BACKHOE 6-507 COST SPLIT 50% STORM, 25% STREET, 25% WATER \$25,100 (NOT APPROPRIATE/AVAILABLE AS EV)
 - ADDITIONAL EQUIPMENT- 2020 ENCLOSED TRAILER FOR CONCRETE SAW AND TANK (COST INCLUDES TRAILER, SETUP ITEMS, AND LICENSING) \$33,400
 - ADDITIONAL EQUIPMENT- 2020 524L JD LARGE LOADER (COST INCLUDES VEHICLES, SETUP ITEMS, AND TITLE) \$180,000 (NOT APPROPRIATE/AVAILABLE AS EV)
- 671 EQUIPMENT
 - NO APPROPRIATION REQUESTED

- 817 TRSFERS TO GARAGE FUND
 - FLEET SERVICES PROVIDED BY THE GARAGE FUND \$109,857

BP WORKSHEET & JUSTIFICATION

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

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 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	74,940	1.00	134,187	2.00	131,445	154,146	2.00	154,146	2.00	
057	PUBLIC WORKS SUPERVISOR											
	24,588	1.00	102,635	1.00	101,512	1.00	99,562	95,698	1.00	95,698	1.00	
112	PUBLIC WORKS MANAGER											
	55,673	.50	59,121	.50	61,072	.50	61,186	62,432	.50	62,432	.50	
133	WATER CUSTOMER SERVICE TECH											
			76,997	1.00	23,821		22,156					
162	WATER LEAD											
	89,860	1.00	94,182	1.00	90,077	1.00	89,618	159,567	2.00	159,567	2.00	
178	WATER QUALITY TECHNICIAN 2											
	120,613			1.00	54,502	1.00	14,014	58,721	1.00	58,721	1.00	
299	PAYROLL TAXES AND FRINGES											
	166,954		235,413		287,258		246,541	343,366		343,366		

TOTAL CLASS: 05 PERSONNEL SERVICES

	475,256	3.50	643,288	5.50	752,429	5.50	664,522	873,930	6.50	873,930	6.50
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CLASS: 10 MATERIALS & SERVICES

301	OFFICE EXPENSE											
	151		122		700		700	700		700		
303	OFFICE FURNITURE & EQUIPMENT											
	1,422		420		1,000		1,000	1,000		1,000		
304	DEPARTMENT EQUIPMENT EXPENSE											
	10,446		34,050		40,000		30,000	40,100		40,100		

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 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF 1 FTE WATER CUSTOMER SERVICE TECH TO
 1 FTE PROGRAM COORDINATOR - PUBLIC WORKS POSITION.
 FY 2020-21 REFLECTS 80 HRS PTO CASH-IN.
- 057 PUBLIC WORKS SUPERVISOR
 FY 2019-20 REFLECTS 277 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 120 HRS PTO CASH-IN.
- 112 PUBLIC WORKS MANAGER
 1 FTE PUBLIC WORKS MANAGER 3 IS ALLOCATED:
 50% 501-85-0743 / 50% 501-85-0742.
 FY 2019-20 REFLECTS 84 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 80 HRS PTO CASH-IN.
- 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).
 FY 2019-20 REFLECTS MID-YEAR RECLASSIFICATION OF 1 FTE WATER CUSTOMER SERVICE TECH TO
 1 FTE PROGRAM COORDINATOR - PUBLIC WORKS POSITION.
- 162 WATER LEAD
 FY 2020-21 REFLECTS 1 FTE WATER DISTR LEAD POSITION TRANSFERRING WITHIN THE WATER FUND
 FROM PROGRAM 0742 TO 0743.
 FY 2019-20 REFLECTS 335 HRS PTO CASH-IN AND FY 2020-21 REFLECTS 120 HRS PTO CASH-IN.
- 178 WATER QUALITY TECHNICIAN 2
 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 OFFICES WORK AREAS \$1,000
- 304 DEPARTMENT EQUIPMENT EXPENSE
 CHLORINE POCKET COLORIMETER REPLACEMENTS (2 @ \$500 EA) \$1,000
 WATER SAMPLING STATIONS 5 @ \$1300 EA) \$6,500
 REPLACEMENT PROBES FOR ON-LINE FLUORIDE ANALYZER (2 @ \$1400 EA) \$2,800
 REPLACEMENT PROBES FOR ON-LINE CHLORINE ANALYZERS (2 @ \$1,200 EA) \$2,400
 ROSEMOUNT CHLORINE ELECTROLYTE/TEFLON MEMBRANES 6 @ \$400 \$2,400
 HACH PH/CONDUCTIVITY PROBE (2 @ \$1000 EA) \$2,000
 REPLACE IN-LINE FLUORIDE ANALYZER \$9,000
 REPLACEMENT OF MUTI-PRO AIR SENSOR (2 @2000) \$4,000
 ASR WELL LEVEL INDICATOR 2 @ 1200) \$2,400
 STORAGE SHELIVING FOR STORAGE CONTAINERS \$4,000
 FLUORIDE REFERENCE PORBES 6 @ 200 \$1,200
 PRV PRESSURE TRANSMITTERS (2@ 1200) \$2,400

BP WORKSHEET & JUSTIFICATION

FUND: 501 WATER FUND

DEPT: 85 PUBLIC WORKS - OPERATIONS

PROGRAM: 0743 WATER SYSTEM QUALITY

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
305	SPECIAL DEPARTMENT SUPPLIES										
	655		3,987		5,000		4,500	6,000		6,000	
307	MEMBERSHIP FEES										
	11,126		12,891		13,541		13,541	30,680		30,680	
308	PERIODICALS & SUBSCRIPTIONS										
			332		420		400	350		350	
317	COMPUTER EQUIPMENT										
			728		1,131		995	1,087		1,087	
318	COMPUTER SOFTWARE										
			8,000								
321	TRAVEL, TRAINING & SUBSISTENCE										
	4,852		7,703		11,990		9,180	14,750		14,750	
341	COMMUNICATIONS EXPENSE										
	33,902		31,536		46,000		46,000	48,000		48,000	
351	UTILITIES EXPENSE										
	261,611		280,074		290,000		290,000	292,000		292,000	
361	UNIFORMS & SPECIAL CLOTHING										
	3,494		1,718		7,200		7,000	8,400		8,400	
381	BUILDING EXPENSE										
	6,429		4,746		20,000		17,500	20,000		20,000	
419	CHEMICAL & LABORATORY SUPPLIES										
	32,870		43,265		66,000		66,000	66,000		66,000	
425	DUMPING EXPENSES										
			513		500		500	500		500	
441	LINE MAINTENANCE										
	32,348		76,146		48,700		48,700	68,000		68,000	
461	SPECIAL EXPENSE										
	54				1,000		1,000	1,400		1,400	

BP WORKSHEET & JUSTIFICATION

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

OBJ	OBJECT DESCRIPTION	JUSTIFICATIONS
305	SPECIAL DEPARTMENT SUPPLIES	TELEMETRY AND PRESSURE GAUGE SUPPLIES -\$3000 \$3,000 TELEMETRY ACCESSORIES AND MANUAL PRESSURE GAUGE SUPPLIES -\$1000 \$1,000 HAND TOOLS, BATTERIES & BUILDING SUPPLIES -\$2000 \$2,000
307	MEMBERSHIP FEES	PNWS - AWWA SUBSECTION AND INDIVIDUAL AWWA MEMBERSHIP (7 @ \$235) \$1,645 OHA DIST TREAT RENEWAL 6 COMBINATION@210) \$1,050 STATE FIRE MARSHALL HAZARDOUS MATERIALS PERMIT SITES @\$3400 EACH \$3,400 LIBRARY FOUNTAIN PERMIT \$350 OREGON ASSOCIATION OF WATER UTILITIES (SUPERVISOR AND 4 OPERATORS / \$100 EACH) \$400 PACIFIC NW SECTION AWWA / OREGON WATER UTILITIES COUNCIL \$2,100 OREGON HEALTH AUTHORITY- CROSS CONNECTION SERVICE FEES \$525 OHA SPECIALIST AND TESTER RENEWALS 2 - COMBINATION @ \$305 EACH) \$610 HOA DUES FOR 2 LOTS FOR RESERVE AT COOPER MTN ASR \$1,500 OHA ANNUAL FEE (NEW) \$18,000 OREGON ASSOCIATION OF WATER UTILITIES CITY MEMBERSHIP \$1,100
308	PERIODICALS & SUBSCRIPTIONS	WATER QUALITY OPERATION AND MAINTENANCE MANUALS WATER TREATMENT MANUALS AND PERIODICALS ADDRESSING NEWEST EPA REGULATIONS \$350
317	COMPUTER EQUIPMENT	DESKTOP COMPUTER \$730 MONITOR (27 INCH) \$199 BATTERY BACKUP \$158
318	COMPUTER SOFTWARE	NO APPROPRIATION REQUESTED
321	TRAVEL, TRAINING & SUBSISTENCE	MANAGER, SUPERVISOR, LEAD PNWA AWWA CONFERENCE-REG, LODGING, TRANS. (ORLANDO FL.) \$4,200 AWWA SHORT SCHOOL TRAINING 6 @ \$250/EACH) \$1,500 AWWA WEBINAR \$1,000 TECHNICAL TRAINING SEMINAR ON INSTRUMENTATION (4 @ \$500) \$2,000 OREGON ASSOCIATION OF WATER UTILITIES CONFERENCE (2 @ \$320/EACH) \$640 RECERT CROSS CONN SPECIALIST AND TESTER TRAINING (2 @ \$255/EA & 2 @ \$550/EA) \$1,610 PNWS-AWWA (2 @ \$1900/EACH) - (BOISE IDAHO) \$3,800
341	COMMUNICATIONS EXPENSE	INTERNET CHARGES AND LOCAL EXCHANGE TELEPHONE LINES FOR THE WATER TELEMETRY SYSTEM, \$48,000
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 \$292,000
361	UNIFORMS & SPECIAL CLOTHING	RAIN GEAR AND SAFETY GEAR AND PERSONEL PROTECTION GEAR (7 EMPLOYEES @ \$1,200 EA) \$8,400
381	BUILDING EXPENSE	MISCELLANEOUS EXPENSE FOR WATER SITE BUILDINGS/MAINTENANCE \$20,000
419	CHEMICAL & LABORATORY SUPPLIES	VARIOUS CHEMICALS FOR WATER QUALITY SITES (FLUORIDE, SODIUM HYPOCHLORITE, DE-CLOR, VITA-CLOR, WATER TESTING CHEMICAL AND REAGENTS, ETC.) \$66,000
425	DUMPING EXPENSES	LANDFILL DEBRIS DISPOSAL MISCELLANEOUS PROJECTS \$500
441	LINE MAINTENANCE	CHLORINE AND FLUORIDE INJECTION EQUIPMENT, RESERVOIRS, PUMPS AND PUMPING RELATED ITEMS REPAIRS OR REPLACEMENT \$38,000 PRESSURE REDUCING VALVE REBUILDING KITS AND PILOT REPLACEMENT AND REPAIR \$25,000 BACKFLOW REPLACEMENT PARTS \$5,000
461	SPECIAL EXPENSE	COMMERCIAL DRIVERS LICENSE AND RENEWAL \$200 OPERATOR CERTIFICATION TESTING AND PREP \$1,200

City of Beaverton - Finance
 Budget Preparation - 2021

BP WORKSHEET & JUSTIFICATION

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

OBJ	2018 - ACTUAL		2019 - ACTUAL		2020 BUDGETED		2020	2021 - RECOMD		2021 ADOPTED	
	AMOUNT	FTE	AMOUNT	FTE	AMOUNT	FTE	EST AMT	AMOUNT	FTE	AMOUNT	FTE
511	PROFESSIONAL SERVICES										
	66,162		103,404		208,500		208,500	212,500		212,500	
536	MAINTENANCE CONTRACTS										
	23,742		26,974		49,500		49,500	53,500		53,500	
551	RENTS AND LEASES										
	648		89		1,000			1,000		1,000	
TOTAL CLASS: 10 MATERIALS & SERVICES											
	489,912		636,698		812,182		795,016	865,967		865,967	
CLASS: 15 CAPITAL OUTLAY											
641	VEHICLES										
			92,162		44,650		44,650	35,500		35,500	
671	EQUIPMENT										
	63,776		92,000		96,600		96,600	108,000		108,000	
TOTAL CLASS: 15 CAPITAL OUTLAY											
	63,776		184,162		141,250		141,250	143,500		143,500	
CLASS: 25 TRANSFERS											
803	TRSFR TO GENERAL FD-LANDSCAPE										
	80,215		83,669		88,269		88,269	87,150		87,150	
804	TRSFR - OPERATIONS ADMIN										
	249,697		314,361		261,881		261,881	295,393		295,393	
805	TRSFR TO G/F BLDG MAINT										
	18,448		20,886		20,972		20,972	21,522		21,522	
808	TRSFRS TO GIS PGRM (TO ISD FUND 2018-19)										
	165,166		179,079		177,216		177,216	187,127		187,127	
817	TRSFRS TO GARAGE FUND										
	16,755		39,344		19,930		19,930	39,926		39,926	
TOTAL CLASS: 25 TRANSFERS											
	530,281		637,339		568,268		568,268	631,118		631,118	
TOTAL PROGRAM: 0743 WATER SYSTEM QUALITY											
	1,559,225	3.50	2,101,487	5.50	2,274,129	5.50	2,169,056	2,514,515	6.50	2,514,515	6.50
TOTAL DEPARTMENT: 85 PUBLIC WORKS - OPERATIONS											
	8,662,551	16.25	11,246,705	19.00	26,796,192	19.00	16,143,537	25,575,618	20.00	25,575,618	20.00
TOTAL FUND: 501 WATER FUND											
	13,304,795	21.69	15,942,332	26.88	34,764,597	27.63	22,407,098	33,481,978	28.63	33,481,978	28.63

BP WORKSHEET & JUSTIFICATION

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

OBJ	OBJECT DESCRIPTION
	JUSTIFICATIONS

- 511 PROFESSIONAL SERVICES
 - CONTRACTED BACKFLOW TESTING AT MISCELLANOUS SITES/ INSTALLATION BY PLUMBER\$6,000
 - 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\$2,000
 - 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\$26,000
 - CONTINUED CONTRACT WITH (ECOSCONNECT LLC) BACKFLOW \$16,000
 - 551 RENTS AND LEASES
 - MISCELLANEOUS EQUIPMENT RENTAL \$1,000
-
- 641 VEHICLES
 - REPLACEMENT OF 2-662, 2007 CHEV COLORADO WITH FORD RANGER 4X4 CREWCAB (COSTS INCLUDE VEHICLE, CANOPY, SETUP ITEMS,SAFETY LIGHTING AND LICENSING)\$35,500
 (NOT AVAILBLE AS EV)
 - 671 EQUIPMENT
 - DEAD END AUTO FLUSHING STATIONS - 2 @ \$2000 EA) \$4,000
 - REPLACE AGING TELEMETRY EQUIPMENT AT4 SITES @ \$26000 EACH \$104,000
 - ON-GOING UPGRADES AT 27 SITES -
-
- 803 TRSFR TO GENERAL FD-LANDSCAPE
 - ALLOCATION OF LANDSCAPE MAINTENANCE SERVICES PROVIDED BY THE GENERAL FUND \$87,150
 - 804 TRSFR - OPERATIONS ADMIN
 - ALLOCATION OF SERVICES PROVIDED BY THE OPERATIONS ADMINISTRATION FUND. \$295,393
 - 805 TRSFR TO G/F BLDG MAINT
 - ALLOCATION OF BUILDING MAINTENANCE SERVICES PROVIDED BY THE GENERAL FUND \$21,522
 - 808 TRSFRS TO GIS PGRM (TO ISD FUND 2018-19)
 - ALLOCATION OF GEOGRAPHIC INFORMATION SERVICES \$187,127
 - 817 TRSFRS TO GARAGE FUND
 - ALLOCATION OF FLEET SERVICES (FUEL AND MAINTENANCE) PROVIDED BY THE GARAGE FUND \$39,926