

CITY OF RIVERSIDE  
520 - WATER FUND  
FY 2018-23 FIVE-YEAR PLAN

CATEGORY	DESCRIPTION	2016-17	2017-18	2018-19		2019-20		2020-21		2021-22		2022-23		
		ACTUALS	PROJECTED	PRELIM.	%	PRELIM.	%	PROJ.	%	PROJ.	%	PROJ.	%	
RETAIL SALES	Projected customer usage & growth, includes impacts of proposed 5-year rate plan	Residential	34,993,655	37,549,322	38,465,000	2.4%	40,729,000	5.9%	43,030,000	5.6%	45,439,000	5.6%	48,257,000	6.2%
		Commercial/Industrial	17,868,788	19,140,286	17,120,000	-10.6%	17,770,000	3.8%	18,497,000	4.1%	19,265,000	4.2%	20,133,000	4.5%
		Other	1,763,851	1,889,574	6,902,000	265.3%	7,090,000	2.7%	7,314,000	3.2%	7,545,000	3.2%	7,808,000	3.5%
	<b>TOTAL RETAIL SALES</b>	<b>54,626,294</b>	<b>58,579,182</b>	<b>62,487,000</b>	<b>6.7%</b>	<b>65,589,000</b>	<b>5.0%</b>	<b>68,841,000</b>	<b>5.0%</b>	<b>72,249,000</b>	<b>5.0%</b>	<b>76,198,000</b>	<b>5.5%</b>	
WATER WHOLESALE & CONVEYANCE	Contractual agreements	Water Conveyance	4,385,298	3,016,000	3,123,000	3.5%	3,238,000	3.7%	3,283,000	1.4%	3,328,000	1.4%	3,374,000	1.4%
		Wholesale Sales	823,248	1,947,000	2,394,000	23.0%	4,060,000	69.6%	4,141,000	2.0%	4,224,000	2.0%	4,309,000	2.0%
	<b>TOTAL WATER WHOLESALE &amp; CONVEYANCE REVENUES</b>	<b>5,208,546</b>	<b>4,963,000</b>	<b>5,517,000</b>	<b>11.2%</b>	<b>7,298,000</b>	<b>32.3%</b>	<b>7,424,000</b>	<b>1.7%</b>	<b>7,552,000</b>	<b>1.7%</b>	<b>7,683,000</b>	<b>1.7%</b>	
OTHER OPERATING REVENUE	Contractual agreements, past revenue history	Other Operating Revenues	1,703,058	1,855,532	1,791,303	-3.5%	1,791,303	0.0%	1,791,303	0.0%	1,791,303	0.0%	1,791,303	0.0%
<b>TOTAL OTHER OPERATING REVENUES</b>	<b>1,703,058</b>	<b>1,855,532</b>	<b>1,791,303</b>	<b>-3.5%</b>	<b>1,791,303</b>	<b>0.0%</b>	<b>1,791,303</b>	<b>0.0%</b>	<b>1,791,303</b>	<b>0.0%</b>	<b>1,791,303</b>	<b>0.0%</b>		
NON-OPERATING REVENUE	Contractual agreements, past revenue history	Interest income	16,825	694,300	911,400	31.3%	1,065,800	16.9%	1,228,000	15.2%	1,498,000	22.0%	1,804,000	20.4%
		Property Lease Revenues	1,675,933	1,832,712	2,743,000	49.7%	2,799,000	2.0%	2,854,980	2.0%	2,912,080	2.0%	2,970,321	2.0%
		Other Non-operating Revenues	253,622	250,435	117,600	-53.0%	117,600	0.0%	117,600	0.0%	117,600	0.0%	117,600	0.0%
	<b>TOTAL NON-OPERATING REVENUES</b>	<b>1,946,380</b>	<b>2,777,447</b>	<b>3,772,000</b>	<b>35.8%</b>	<b>3,982,400</b>	<b>5.6%</b>	<b>4,200,580</b>	<b>5.5%</b>	<b>4,527,680</b>	<b>7.8%</b>	<b>4,891,921</b>	<b>8.0%</b>	
CAPITAL CONTRIBUTIONS	Projected trends in development	Capital Contributions	2,582,097	1,600,000	1,050,000	-34.4%	1,050,000	0.0%	1,000,000	-4.8%	1,000,000	0.0%	1,000,000	0.0%
		Backup Facility Capacity Charges	942,062	800,000	1,000,000	25.0%	1,000,000	0.0%	1,000,000	0.0%	1,000,000	0.0%	1,000,000	0.0%
<b>TOTAL CAPITAL CONTRIBUTIONS</b>	<b>3,524,159</b>	<b>2,400,000</b>	<b>2,050,000</b>	<b>-14.6%</b>	<b>2,050,000</b>	<b>0.0%</b>	<b>2,000,000</b>	<b>-2.4%</b>	<b>2,000,000</b>	<b>0.0%</b>	<b>2,000,000</b>	<b>0.0%</b>		
WATER CONSERVATION	1.5% of Retail Sales	Water Conservation Surcharge	1,119,729	868,845	953,822	9.8%	995,783	4.4%	1,033,000	3.7%	1,084,000	4.9%	1,143,000	5.4%
<b>TOTAL WATER CONSERVATION SURCHARGE</b>	<b>1,119,729</b>	<b>868,845</b>	<b>953,822</b>	<b>9.8%</b>	<b>995,783</b>	<b>4.4%</b>	<b>1,033,000</b>	<b>3.7%</b>	<b>1,084,000</b>	<b>4.9%</b>	<b>1,143,000</b>	<b>5.4%</b>		
OTHER FINANCING SOURCES	Bond Proceeds and Use of Reserves	Use of Bond Proceeds for CIP	-	-	11,617,000	N/A	12,899,000	11.0%	26,853,000	108.2%	18,891,000	-29.7%	24,965,000	32.2%
		Use of Equipment Lease Proceeds		2,300,000										
		Use of Water Fund Reserves	10,210,332	18,158,399	4,621,273	-74.6%								
		Use of Water Conservation Reserves	214,995	238,938	699,296	192.7%	748,543	7.0%	-		-		-	
		<b>TOTAL OTHER FINANCING SOURCES</b>	<b>10,425,327</b>	<b>20,697,337</b>	<b>16,937,569</b>	<b>-18.2%</b>	<b>13,647,543</b>	<b>-19.4%</b>	<b>26,853,000</b>	<b>96.8%</b>	<b>18,891,000</b>	<b>-29.7%</b>	<b>24,965,000</b>	<b>32.2%</b>
<b>TOTAL REVENUES AND OTHER FINANCING SOURCES</b>	<b>78,553,493</b>	<b>92,141,343</b>	<b>93,508,694</b>	<b>1.5%</b>	<b>95,354,029</b>	<b>2.0%</b>	<b>112,142,883</b>	<b>17.6%</b>	<b>108,094,983</b>	<b>-3.6%</b>	<b>118,672,224</b>	<b>9.8%</b>		

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		ACTUALS	PROJECTED	PRELIM.	%	PRELIM.	%	PROJ.	%	PROJ.	%	PROJ.	%		
PERSONNEL	Based on Partnership Compensation Model and Memorandums of Understanding	Salaries	11,152,672	12,440,908	13,602,713	9.3%	14,463,972	6.3%	15,153,926	4.8%	15,508,656	2.3%	15,595,109	0.6%	
		Overtime	2,381,187	2,048,488	1,544,394	-24.6%	1,558,047	0.9%	1,589,208	2.0%	1,620,993	2.0%	1,653,414	2.0%	
		CalPERS	3,429,092	3,806,872	4,204,042	10.4%	4,632,956	10.2%	4,984,377	7.6%	5,372,235	7.8%	5,743,211	6.9%	
		Benefits & Other	2,792,121	2,874,941	3,128,746	8.8%	3,244,379	3.7%	3,123,338	-3.7%	3,226,008	3.3%	3,318,049	2.9%	
		<b>TOTAL PERSONNEL</b>	<b>19,755,072</b>	<b>21,171,209</b>	<b>22,479,895</b>	<b>6.2%</b>	<b>23,899,354</b>	<b>6.3%</b>	<b>24,850,849</b>	<b>4.0%</b>	<b>25,727,892</b>	<b>3.5%</b>	<b>26,309,783</b>	<b>2.3%</b>	
SYSTEM OPERATIONS	Includes increases based on historical CPI, internal policies, historical trends, contractual agreements, General Fund Cost Allocation Plan and Utilization Charges	Production Costs	5,418,510	5,839,533	5,544,353	-5.1%	5,018,279	-9.5%	5,117,000	2.0%	5,218,000	2.0%	5,308,000	1.7%	
		Professional Services	1,302,854	1,766,504	1,798,270	1.8%	1,962,140	9.1%	2,001,383	2.0%	2,041,410	2.0%	2,082,239	2.0%	
		Maintenance/Repair	1,883,484	1,956,803	1,947,750	-0.5%	1,947,750	0.0%	1,986,705	2.0%	2,026,439	2.0%	2,066,968	2.0%	
		Taxes and Assessments	2,247,885	2,284,104	2,512,106	10.0%	2,600,253	3.5%	2,652,258	2.0%	2,705,303	2.0%	2,759,409	2.0%	
		Equipment Rental and Fuel Costs	1,769,109	1,584,808	1,799,898	13.6%	1,889,890	5.0%	1,927,688	2.0%	1,966,242	2.0%	2,005,566	2.0%	
		Chemical Supplies	389,403	328,483	597,900	82.0%	647,900	8.4%	660,858	2.0%	674,075	2.0%	687,557	2.0%	
		Insurance	393,506	451,273	649,694	44.0%	604,447	-7.0%	616,536	2.0%	628,867	2.0%	641,444	2.0%	
		Technology-Licences, Maint., Replacements and Supplies	401,195	1,126,792	861,353	-23.6%	1,117,700	29.8%	1,274,804	14.1%	1,371,911	7.6%	1,914,089	39.5%	
		Telephone and Utilities	198,280	215,108	169,924	-21.0%	190,298	12.0%	194,104	2.0%	197,986	2.0%	201,946	2.0%	
		Maintenance/Safety/Special Department Supplies	335,712	294,882	320,130	8.6%	326,130	1.9%	332,653	2.0%	339,306	2.0%	346,092	2.0%	
		Meeting, Travel and Training	57,027	62,326	120,100	92.7%	141,100	17.5%	143,922	2.0%	146,800	2.0%	149,736	2.0%	
		Outside Legal Services	135,165	297,900	297,900	50.5%	297,900	0.0%	303,858	2.0%	309,935	2.0%	316,134	2.0%	
		Property Management	55,497	20,000	195,000	875.0%	220,000	12.8%	220,000	0.0%	220,000	0.0%	220,000	0.0%	
		Other Miscellaneous Operating	135,456	157,257	171,875	9.3%	171,465	-0.2%	174,894	2.0%	178,392	2.0%	181,960	2.0%	
		Allowance for Uncollectibles	31,965	130,000	130,000	0.0%	130,000	0.0%	207,000	59.2%	217,000	4.8%	229,000	5.5%	
		Low-Income Program	-	-	150,000	N/A	150,000	0.0%	150,000	0.0%	150,000	0.0%	150,000	0.0%	
		Equipment Purchases/Replacements	23,685	2,350,132	-	N/A	-	N/A	500,000	N/A	500,000	0.0%	500,000	0.0%	
		General Fund Allocation Charges	2,378,011	2,411,228	2,982,896	23.7%	3,187,587	6.9%	3,346,404	5.0%	3,486,503	4.2%	3,579,250	2.7%	
		Charges from Others	7,900,334	8,380,745	9,377,783	11.9%	9,809,275	4.6%	10,005,461	2.0%	10,205,570	2.0%	10,409,681	2.0%	
		Charges to Others	(7,054,898)	(6,903,204)	(7,449,000)	7.9%	(7,672,000)	3.0%	(7,825,440)	2.0%	(7,981,949)	2.0%	(8,141,588)	2.0%	
<b>TOTAL SYSTEM OPERATIONS</b>	<b>18,002,180</b>	<b>22,654,674</b>	<b>22,177,932</b>	<b>-2.1%</b>	<b>22,740,114</b>	<b>2.5%</b>	<b>23,990,087</b>	<b>5.5%</b>	<b>24,601,790</b>	<b>2.5%</b>	<b>25,607,483</b>	<b>4.1%</b>			
CIP	Rate Plan Proposal Modified Option 1	Water Supply	-	-	5,817,967	N/A	2,175,920	-62.6%	2,797,417	28.6%	-	N/A	-	N/A	
		Well Projects	-	-	3,173,437	N/A	2,175,920	-31.4%	3,356,900	54.3%	1,150,858	-65.7%	5,089,724	342.3%	
		Transmission Pipelines	-	-	5,341,952	N/A	1,450,250	-72.9%	10,353,799	613.9%	6,214,629	-40.0%	6,320,727	1.7%	
		Distribution Pipelines	-	-	5,657,180	N/A	6,745,351	19.2%	9,343,372	38.5%	10,127,544	8.4%	11,599,836	14.5%	
		Distribution Facilities	-	-	1,745,390	N/A	2,284,716	30.9%	3,468,797	51.8%	2,416,800	-30.3%	1,479,571	-38.8%	
		Reservoir Projects	-	-	-	N/A	-	N/A	559,484	N/A	-	N/A	591,828	N/A	
		System Automation	-	-	964,725	N/A	3,984,109	313.0%	3,974,570	-0.2%	3,742,588	-5.8%	5,008,052	33.8%	
		City-Wide IT Projects	-	-	98,807	N/A	-	-	87,088	-11.9%	30,629	-64.8%	-	N/A	
		Capital Expenditures	18,669,185	25,116,485	-	-	-	-	-	-	-	-	-	-	-
		<b>TOTAL CAPITAL OUTLAY</b>	<b>18,669,185</b>	<b>25,116,485</b>	<b>22,799,458</b>	<b>-9.2%</b>	<b>18,903,354</b>	<b>-17.1%</b>	<b>33,884,968</b>	<b>79.3%</b>	<b>23,652,419</b>	<b>-30.2%</b>	<b>30,089,738</b>	<b>27.2%</b>	
DEBT SERVICE	Annual principal & interest payments	Other Debt Related Charges	500,189	528,101	853,000	61.5%	739,000	-13.4%	745,000	0.8%	921,000	23.6%	908,000	-1.4%	
		Bonds Principal	5,781,136	6,098,173	6,362,671	4.3%	7,689,455	20.9%	7,660,000	-0.4%	7,958,000	3.9%	9,820,000	23.4%	
		Bonds Interest	7,794,410	7,868,952	8,886,258	12.9%	9,672,411	8.8%	9,098,000	-5.9%	10,148,000	11.5%	11,193,000	10.3%	
		Capital Equipment Lease Principal	-	210,003	211,492	0.7%	216,524	2.4%	221,675	2.4%	226,950	2.4%	232,349	2.4%	
		Capital Equipment Lease Interest	-	49,797	48,308	-3.0%	43,276	-10.4%	38,125	-11.9%	32,850	-13.8%	27,450	-16.4%	
		Hillwood Principal	801,952	785,600	1,002,286	27.6%	1,063,004	6.1%	1,126,331	6.0%	1,192,364	5.9%	1,253,505	5.1%	
		Hillwood Interest	242,145	377,466	450,676	19.4%	423,244	-6.1%	394,201	-6.9%	363,480	-7.8%	338,713	-6.8%	
<b>TOTAL DEBT SERVICE</b>	<b>15,119,832</b>	<b>15,913,092</b>	<b>17,814,691</b>	<b>11.9%</b>	<b>19,846,914</b>	<b>11.4%</b>	<b>19,283,332</b>	<b>-2.8%</b>	<b>20,842,645</b>	<b>8.1%</b>	<b>23,773,016</b>	<b>14.1%</b>			
GENERAL FUND TRANSFER	11.5% of prior year operating revenues	General Fund Transfer	5,672,500	6,173,100	6,583,600	6.6%	7,025,300	6.7%	7,372,300	4.9%	7,744,800	5.1%	8,126,700	4.9%	
<b>TOTAL GENERAL FUND TRANSFER</b>	<b>5,672,500</b>	<b>6,173,100</b>	<b>6,583,600</b>	<b>6.6%</b>	<b>7,025,300</b>	<b>6.7%</b>	<b>7,372,300</b>	<b>4.9%</b>	<b>7,744,800</b>	<b>5.1%</b>	<b>8,126,700</b>	<b>4.9%</b>			
WATER CONSERVATION	Planned programs	Water Conservation Program	1,334,724	1,107,783	1,653,118	49.2%	1,744,326	5.5%	1,033,000	-40.8%	1,084,000	4.9%	1,143,000	5.4%	
<b>TOTAL WATER CONSERVATION PROGRAM</b>	<b>1,334,724</b>	<b>1,107,783</b>	<b>1,653,118</b>	<b>49.2%</b>	<b>1,744,326</b>	<b>5.5%</b>	<b>1,033,000</b>	<b>-40.8%</b>	<b>1,084,000</b>	<b>4.9%</b>	<b>1,143,000</b>	<b>5.4%</b>			
<b>TOTAL EXPENDITURES AND TRANSFERS-OUT</b>		<b>78,553,493</b>	<b>92,141,343</b>	<b>93,508,694</b>	<b>1.5%</b>	<b>94,159,362</b>	<b>0.7%</b>	<b>110,414,536</b>	<b>17.3%</b>	<b>103,653,546</b>	<b>-6.1%</b>	<b>115,049,720</b>	<b>11.0%</b>		
<b>NET SURPLUS / (DEFICIT)</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,194,667</b>	<b>-</b>	<b>1,728,347</b>	<b>-</b>	<b>4,441,436</b>	<b>-</b>	<b>3,622,504</b>	<b>-</b>		

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CATEGORY	DESCRIPTION	2016-17	2017-18	2018-19		2019-20		2020-21		2021-22		2022-23	
		ACTUALS	PROJECTED	PRELIM.	%	PRELIM.	%	PROJ.	%	PROJ.	%	PROJ.	%
RESERVES	Unrestricted Cash Reserves	34,826,211	36,104,000	29,628,000		30,361,000		32,033,000		34,346,000		37,377,000	
	Designated Cash Reserves												
	Water property reserve	17,281,384	5,000,000	5,000,000		5,000,000		5,000,000		5,000,000		5,000,000	
	Cash reserved for recycled water project	9,359,470	3,099,000	-		-		-		-		-	
	Customer deposits reserve	552,648	553,000	553,000		553,000		553,000		553,000		553,000	
	Capital repair/replacement reserve	1,483,815	2,234,000	2,250,000		2,250,000		2,250,000		2,250,000		2,250,000	
	<b>TOTAL UNRESTRICTED CASH BALANCE</b>	<b>63,503,528</b>	<b>46,990,000</b>	<b>37,431,000</b>	<b>-20.3%</b>	<b>38,164,000</b>	<b>2.0%</b>	<b>39,836,000</b>	<b>4.4%</b>	<b>42,149,000</b>	<b>5.8%</b>	<b>45,180,000</b>	<b>7.2%</b>