

Background

Subject: Adoption of the Agency's Biennial Budget for Fiscal Years (FYs) 2019/20 and 2020/21, and FYs 2020-2029 Ten Year Capital Improvement Plan

FY 2019/20 Rate Resolutions

The Agency establishes the following service rates for Fiscal Year (FY) 2019/20 to support various types of services for different programs and for other local governmental agencies who may require the Agency's staff support or use of Agency's equipment. The highlights of the FY 2019/20 proposed resolutions are provided below and the respective resolution documents are presented in Attachment 4, Budget Adoption and Rate Resolutions: No. 2019-6-1 to 2019-6-8, and 2019-6-10.

Resolution No. 2019-6-10, Board of Directors of the Inland Empire Utilities Agency, San Bernardino County, California, Approving and Adopting its Budget for Fiscal Years 2019/20 and 2020/2021

This resolution affirms the Agency's action in adopting the FYs 2019/2020 and 2020/2021 proposed budget for various programs budget and service rates.

Resolution No. 2019-6-1, Service Rates for Wastewater Discharges to the Regional Wastewater System for Septage, Commercial or Industrial Wastewater, and Excessive Strength Charges

This resolution establishes service rates for processing and issuing permits to domestic, commercial, or industrial wastewater dischargers and wastewater haulers permitted by IEUA, service rates for processing and treatment of sanitary, commercial or industrial wastewater deliveries to the Inland Empire Utilities Agency (Agency)'s Regional Wastewater System, and service rates for application fees for processing and issuing of wastewater discharge permits to industrial wastewater generators who discharge directly through pipeline connections to the Regional Sewer System.

Resolution No. 2019-6-2, Capacity Charges, Volumetric Charges, Strength Charges, Capital Improvement Project (CIP) Charges, IEUA Administrative Charges, and Application and Wastewater Discharge Permit Application Fees for the Etiwanda Wastewater Line (EWL)

This resolution establishes a rate structure for the collection of costs associated for the sewerage service for the EWL under the Etiwanda Wastewater Line Disposal Agreement entered between County Sanitation Districts of Los Angeles County (CSDLAC) and Inland Empire Utilities Agency (Agency)

Resolution No. 2019-6-3, Capacity Charges, Volumetric Charges, Strength Charges, Agency Program Charges and Application Fees for the Non-Reclaimable Wastewater System (NRWS)

This resolution establishes a rate structure for the collection of costs associated for the sewerage service for the NRW north system under the NRWS *Wastewater Disposal Agreement No. 4830* entered between County Sanitation Districts of Los Angeles County (CSDLAC) and Inland Empire Utilities Agency (Agency)

Resolution No. 2019-6-4, Capacity Charges, Volumetric Charges, Strength Charges, Capital Improvement Project (CIP) Charges, IEUA Administrative Charges, and Application and Wastewater Discharge Permit Application Fees for the Inland Empire Brine Line

This resolution establishes initial and monthly capacity charges, volumetric flow charges, CIP charges, trucked wastewater delivery charges and excessive strength charges, application fees for processing applications for Capacity Right Agreements and Wastewater Discharge Permits for the use of the Inland Empire Utilities Agency (Agency)'s Brine Line, NRW south system.

Resolution No. 2019-6-5, Laboratory Rates

This resolution establishes rates on a variety of laboratory analyses for local governmental agencies who enter into agreement with the Agency for laboratory analysis services. The rates support the laboratory staff time and supplies associated with laboratory analyses. The FY 2018/19 laboratory rates remain consistent with prior year rates.

Resolution No. 2019-6-6, Extra-Territorial Sewer Charges

This resolution establishes an extra-territorial (ET) monthly sewer service charge for system users located within our contracting agencies boundaries outside the Inland Empire Utilities Agency service area. This monthly ET charge is in addition to the adopted Regional Sewer service rate. The FY 2019/20 ET monthly sewer service rate is determined based on the Agency-wide assessed valuation for FY 2018/19 as reported by the San Bernardino County Auditors Property Tax Division and the estimated number of billable equivalent dwelling units (EDU) projected in the Agency's FY 2018/19 Regional Wastewater Operations and Maintenance fund budget. The FY 2019/20 monthly ET rate is set at \$16.48 per EDU, in addition to the adopted monthly EDU rate of \$20.00.

Resolution No. 2018-6-7, Imported Water Rates

This resolution establishes rates for delivery of imported water supplies; and the rates are based on the approved and adopted rates by the Metropolitan Water District of Southern California (MWD) Board on April 10, 2018. The rates of sales of imported water are direct pass-through charged by Metropolitan for each class of water (Tier 1 and Tier 2) to the IEUA member agencies.

Resolution No. 2018-6-8, Equipment Rental Fees:

This resolution provides rental equipment rates for local governmental agencies that may occasionally require the use of Agency equipment. The rates cover the Agency's labor cost, materials and supplies, and fuel costs. The cost for rental equipment in FY 2019/20 increases slightly to allow for increased fuel costs.

In the following section, the Additional Background Information, including the Sources and Uses of Funds reports for each of the Agency's program funds, proposed projects, and rate resolutions for Agency's service fees and charges. The proposed budget for these programs is consistent with the IEUA Business Goals of *Fiscal Responsibility*, *Water Reliability*, *Wastewater Management*, *Environmental Stewardship*, and *Business Practices*.

Additional Background Information

Appendix A1 – Adopted Multi-Year Rates and Effective Dates

Appendix A-2 – Biennial Budget Key Assumptions

Appendix B – FY 2019/20 and FY 2020/21 NC Fund Proposed Budget and Rates

Appendix C1 – Budget Summary of FYs 2019/20 and 2020/21

Appendix D1 – D7 – Program Fund Reports and Proposed Capital Project Lists (Regional Wastewater Capital, Regional Wastewater Operations, Recycled Water, Recharge Water, Water Resources, Non-Reclaimable Wastewater, and Administrative Services Funds)

Rate Resolutions:

2019-6-10 Budget Adoption

2019-6-1 Regional Rate for Wastewater Discharge

2019-6-2 NRWS Etiwanda Wastewater Line (EWL) Rate

2019-6-3 NRWS (CSDLAC) Rate for Volumetric, Strength Charges

2019-6-4 NRW Inland Empire Brine Line (IEBL) Rate

2019-6-5 Laboratory Fees

2019-6-6 Extra Territorial Sewer Service Charges

2019-6-7 Establishing Imported Water Rates

2019-6-8 Equipment Rental Rates

Appendix A-1: Adopted Multi-Year Rates and Effective Dates

Wastewater Connection Fees

Rate Description	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19 Projected	FY 2019/20 Projected
Wastewater Connection Fee	\$5,415	\$6,009	\$6,309	\$6,624	\$6,955
Effective Date	1/01/16	1/01/17	7/01/17	7/01/18	7/01/19
Wastewater Connection Units	4,774	5,155	5,223	4,000	4,000

Monthly EDU Sewage Rates

Rate Description	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20
EDU Volumetric Rate	\$15.89	\$17.14	\$18.39	\$19.59	\$20.00
Effective Date	10/01/15	7/01/16	7/01/17	7/01/18	7/01/19

Recycled Water Rates

Rate Description	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19 Projected	FY 2019/20 Projected
Direct Delivery/Acre Foot (AF)	\$350	\$410	\$470	\$480	\$490
Groundwater Recharge/Acre Foot (AF)	\$410	\$470	\$530	\$540	\$550
Effective Date	10/01/15	7/01/16	7/01/17	7/01/18	7/01/19
AF Deliveries	32,331	33,146	34,335	32,000	35,800

Water Connection Fees

Rate Description	FY 2015/16	FY 2016/17	FY 2017/18	FY 2018/19 Projected	FY 2019/20 Projected
Water Connection Fee (for 5/8" and 3/4" meter size)	\$693	\$1,455	\$1,527	\$1,604	\$1,684
Effective Date	1/01/16	1/01/17	7/01/17	7/01/18	7/01/19
Meter Equivalent Units (MEUs)	1,346	4,984	5,455	4,800	4,700

Appendix A2: Biennial Budget Key Assumptions

Revenues and Other Funding Sources	Expenses and Other Uses of Funds
4,000 new wastewater connections per year	3% average growth for O&M expenses
3.4 million volumetric EDU @ 0.25% annual growth	Eliminates vacancy factor in staffing to support succession plan
Recycled Water Deliveries: FY 2019/20 35,800 AF FY 2020/21 36,000 AF	Addition of several major construction projects within the next two-year period
4,700 and 4,630 new water connections (MEU) for FY 2019/20 & FY 2020/21, respectively	Leverage professional services to achieve effective maintenance approach
4% (FY 2019/20) and 3% (FY 2020/21) growth in property tax receipts. Property tax allocated to Regional Capital fund remains at 65%, and “fixed amount” allocation to Regional O&M, Recycled Water, and Administrative Service funds, based on FY 2016/17 budget amendment.	
Capital Improvement Plan (CIP) partially funded by low interest SRF loans and grants	

Appendix B: FY 2019/20 and FY 2020/21 Non-Reclaimable Wastewater Fund Proposed

Budget and Rates

The Non-Reclaimable Wastewater (NWR) fund records the transactions for the acquisition, construction, expansion, replacement, and operation of the Agency's non-reclaimable wastewater sewer lines, interceptors, and appurtenant facilities.

The Non-Reclaimable Wastewater program has budgeted total revenues and other funding sources of \$18.5 million and \$19.7 million for FYs 2019/20 and 2020/21, respectively. The primary funding source for the Non-Reclaimable Wastewater fund are the pass-through rates from the Sanitation District of Los Angeles County (CSDLAC) for the north system and the Santa Ana Watershed Project Authority (SAWPA) for the south system. Revenues also include fees for agency program charges, capacity fees (CIP), wastewater connection fees transferred from Regional Wastewater Capital Improvement fund, and interest income.

Non-Reclaimable Wastewater System (NRWS) Rates: For board review and approval are the FY 2019/20 pass-through rates of Sanitation District of Los Angeles County (CSDLAC) for the north NRWS and the Santa Ana Watershed Project Authority (SAWPA) for the south NRWS. The CSDLAC annual rate structure for the NRW north system is updated based on the 2014 agreement. The NRW south system rates are based on SAWPA rates. Both NRWS rates are effective July 1, 2019 as listed in Table B-1.

The Agency recovers the NRWS program costs through capacity charges for the north system, and for FY 2019/20 the capacity charge per unit is \$20.25. The NRWS south system program costs are recovered through a fifty percent operating surcharge imposed on volumetric, capacity, and strength charges for non-recycled water users.

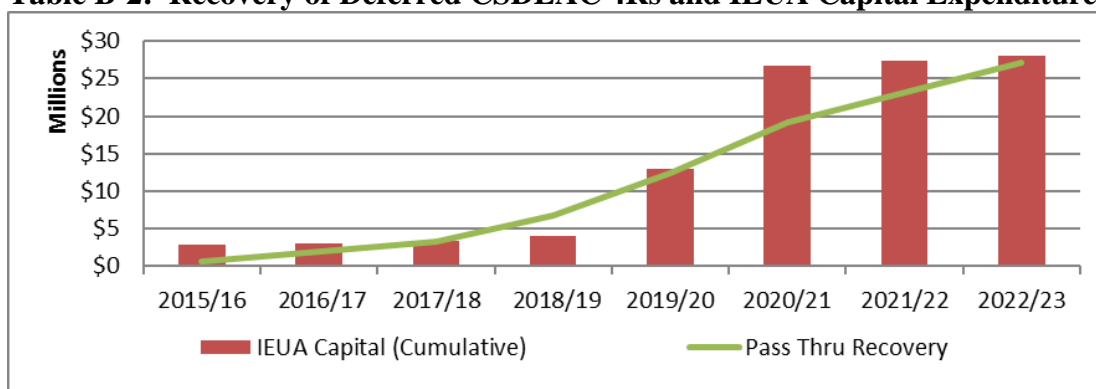
Table B-1: NRW Proposed Program Rates – North and South Systems

Rate Description	2018/19	2019/20 Adopted
North System	14,258 CU	14,005 CU
Flow/mg	\$912	\$940
COD/klb	\$161	\$166
TSS/klb	\$456	\$470
Peak/gpm	\$346	\$357
CU Purchase	\$4,172	\$4,172
CU Lease	\$208.60/CU/Yr.	\$208.60/CU/Yr.
South System		
Capacity/cu	\$406.60	\$418.67
Flow/mg	\$946.00	\$979.00
BOD/klb	\$307.00	\$316.00
TSS/klb	\$429.00	\$442.00

A total of \$9.7 million in capital project costs is budgeted for FY 2019/20 and \$13.7 million is budgeted in FY 2020/21. The proposed capital project budget includes \$0.7 million for the Agency’s CSDLAC capital charges share funded through a state revolving fund (SRF) loan. The loan totals \$4.4 million with the final payment scheduled in FY 2019/20. The loan and is supported by the Non-Reclaimable Wastewater fund reserves. The executed CSDLAC agreement requires the Agency to pay a \$4.4 million share of their existing SRF loan with an annual interest rate of 2.3 percent for a six-year term.

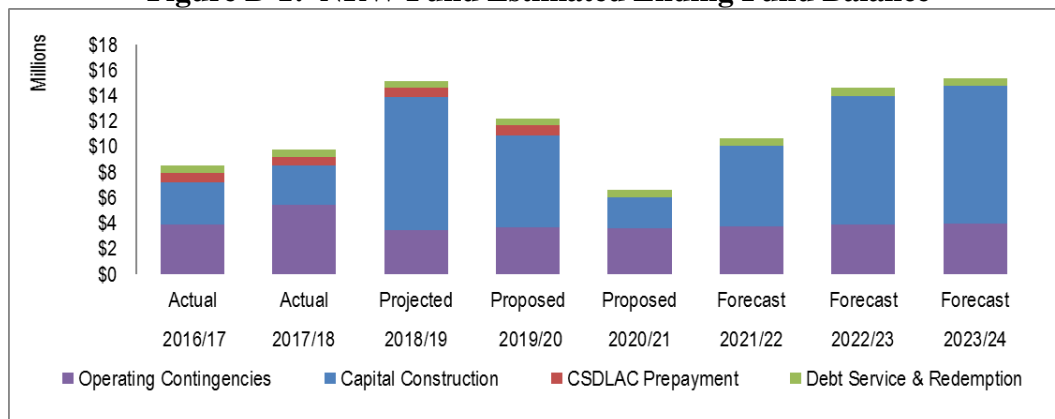
In October 2012 the Board agreed to defer the FY 2011/12 CSDLAC 4Rs capital costs of \$2.6 million to mitigate the fiscal impact to the Northern system customers. Due to this deferral, recovery of the Agency’s capital expenditures for the NRW program were deferred. In FY 2015/16 the CSDLAC 4Rs capital costs were fully paid and the Agency began to recover its deferred capital costs. Full recovery of the Agency’s capital costs is projected to be reached in FY 2022/23.

Table B-2: Recovery of Deferred CSDLAC 4Rs and IEUA Capital Expenditures



The Non-Reclaimable Wastewater ending fund balance for FY 2019/20 is estimated at \$12.2 million, and \$6.6 million for FY 2020/21. The FY 2020/21 the decrease in fund balance, as shown below, can be mainly attributed to increasing capital project costs beginning in FY 2019/20. A total of \$15 million of inter-fund loans have been issued to the Recycled Water fund. The fund balance begins increasing in FY 2021/22, as shown in Figure B-3, the increase is due to a combination of inter-fund loan repayments from Recycled Water fund and decreasing capital project costs.

Figure B-1: NRW Fund Estimated Ending Fund Balance



Appendix C1: Budget Summary of FYs 2019/20 and 2020/21 (\$ Millions)

Fiscal Year	Actual	Projected Actual	Biennial Budget		Forecast		
	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
Operating Revenues	\$153.9	\$159.4	\$164.3	\$169.1	\$174.4	\$180.8	\$186.7
Operating Expense	(143.7)	(154.0)	(162.0)	(162.0)	(163.3)	(168.9)	(174.7)
Operating Net Increase (Decrease)	\$10.2	\$5.4	\$2.3	\$7.1	\$11.1	\$11.9	\$12.0
Other Sources of Funds	112.8	98.6	125.3	199.8	215.9	186.3	162.1
Debt Service	(21.9)	(24.8)	(26.8)	(28.0)	(28.5)	(25.7)	(33.3)
Capital Program	(56.9)	(63.5)	(93.6)	(179.3)	(153.1)	(101.2)	(100.9)
Non-Operating Increase (Decrease)	\$34.0	\$10.3	\$4.9	(\$7.5)	\$34.3	\$59.4	\$27.9
Total Increase (Decrease)	44.3	15.7	7.1	(0.4)	45.4	71.3	40.0
Beginning Fund Balance	\$184.7	\$229.0	\$244.6	\$251.7	\$251.3	\$296.7	\$368.0
Ending Fund Balance	\$229.0	\$244.6	\$251.7	\$251.3	\$296.7	\$368.0	\$408.0

Totals may not tie due to rounding

Appendix C-2: Consolidated Fund Budget FYs 2016/17 to FY 2023/24

INLAND EMPIRE UTILITIES AGENCY FISCAL YEARS 2019/20 AND 2020/21 BIENNIAL BUDGET ALL FUNDS - SOURCES AND USES OF FUNDS (In Thousands)

	FY 2016/17	FY 2017/18	FY 2018/19	FY 2019/20	FY 2020/21	FY 2021/22	FY 2022/23	FY 2023/24
	ACTUAL	ACTUAL	ACTUAL	ADOPTED BUDGET	ADOPTED BUDGET	FORECAST	FORECAST	FORECAST
REVENUES								
User Charges	\$73,173	\$79,940	\$86,122	\$87,285	\$90,491	\$93,684	\$96,831	\$99,853
Property Tax - O&M	1,972	1,972	1,972	1,972	1,972	1,972	1,972	1,972
Cost Reimbursement from JPA	5,804	6,210	6,295	6,684	6,685	6,971	7,242	7,517
Contract Cost reimbursement	120	542	1,751	818	800	800	500	500
Interest Revenue	1,399	2,396	3,827	4,693	4,157	3,780	4,364	4,832
Recycled Water Sales	16,385	16,878	15,890	18,120	18,752	19,408	20,445	21,037
Water Sales	29,908	45,999	43,528	44,724	46,236	47,796	49,464	51,024
TOTAL REVENUES	\$128,760	\$153,937	\$159,387	\$164,296	\$169,093	\$174,411	\$180,819	\$186,736
OTHER FINANCING SOURCES								
Property Tax - Debt , Capital, Reserve:	\$43,702	\$46,441	\$48,378	\$50,392	\$51,963	\$53,581	\$55,247	\$56,392
Connection Fees	35,923	40,739	32,912	35,735	36,687	37,539	34,619	35,409
Debt Proceeds	0	0	0	0	0	0	0	0
State Loans	9,271	15,229	3,743	19,209	89,234	111,033	78,519	52,270
Grants	12,295	5,595	8,041	13,137	16,416	1,885	3,510	6,260
Sale of Assets	0	1,320	0	0	0	0	0	0
Capital Contract Reimbursement	1,454	2,482	1,693	2,640	1,364	7,761	8,279	4,661
Other Revenues	(752)	964	872	1,162	1,112	1,112	1,112	1,112
Loan Transfer from Internal Fund	0	0	3,000	3,000	3,000	3,000	5,000	6,000
TOTAL OTHER FINANCING SOURCES	\$101,893	\$112,770	\$98,638	\$125,275	\$199,776	\$215,911	\$186,286	\$162,103
TOTAL REVENUES AND OTHER FINANCING SOURCES	\$230,653	\$266,707	\$258,025	\$289,570	\$368,869	\$390,322	\$367,105	\$348,839
EXPENSES								
Employment Expense	\$46,171	\$43,351	\$47,680	\$51,289	\$52,309	\$55,529	\$57,856	\$60,068
Contract Work/Special Projects	15,699	11,797	15,648	15,276	12,043	7,586	7,438	8,360
Utilities	7,907	8,323	9,446	9,788	10,144	10,414	10,693	10,980
Operating Fees	11,587	12,149	12,171	12,265	12,726	13,070	13,426	13,792
Chemicals	4,259	3,985	4,216	4,997	5,147	5,301	5,460	5,624
Professional Fees and Services	6,967	8,435	10,293	12,023	11,347	11,524	11,835	12,127
Office and Administrative Expense	2,071	1,564	2,264	2,680	2,908	2,735	3,068	2,811
Biosolids Recycling	4,094	4,092	4,364	4,419	4,551	4,688	4,829	4,973
Materials & Supplies	3,012	2,963	3,050	2,983	2,995	3,043	3,142	3,245
MWD Water Purchases	29,908	46,001	43,528	44,724	46,236	47,796	49,464	51,024
Other Expenses	599	1,044	1,383	1,571	1,573	1,603	1,643	1,677
TOTAL EXPENSES	\$132,275	\$143,702	\$154,042	\$162,015	\$161,979	\$163,289	\$168,854	\$174,682
CAPITAL PROGRAM								
CSDLAC 4Rs	\$689	\$705	\$721	\$737	\$0	\$0	\$0	\$0
IERCA investment	0	0	500	500	500	0	0	0
Capital Construction & Expansion	29,411	56,193	62,322	92,349	178,799	153,169	101,209	100,877
TOTAL CAPITAL PROGRAM	\$30,100	\$56,898	\$63,543	\$93,586	\$179,299	\$153,169	\$101,209	\$100,877
DEBT SERVICE								
Financial Expenses	\$524	\$206	\$224	\$228	\$403	\$228	\$217	\$219
Interest	8,161	6,386	6,183	7,071	6,876	6,518	6,195	8,949
Principal	62,008	15,259	15,360	16,537	17,720	18,744	14,334	18,099
Short Term Inter-Fund Loan	0	0	3,000	3,000	3,000	3,000	5,000	6,000
TOTAL DEBT SERVICE	\$70,693	\$21,851	\$24,767	\$26,835	\$27,998	\$28,490	\$25,746	\$33,268
FUND BALANCE								
Net Increase (Decrease)	(\$2,415)	\$44,256	\$15,674	\$7,134	(\$407)	\$45,374	\$71,296	\$40,013
Beginning Fund Balance July 01	\$187,114	\$184,700	\$228,955	\$244,629	\$251,763	\$251,356	\$296,730	\$368,026
ENDING BALANCE AT JUNE 30	\$184,700	\$228,955	\$244,629	\$251,763	\$251,356	\$296,730	\$368,026	\$408,039
RESERVE BALANCE SUMMARY								
Operating Contingencies	\$35,393	\$36,371	\$36,921	\$39,362	\$38,516	\$38,343	\$39,304	\$40,713
Capital Expansion & Replacement	29,013	20,969	27,652	42,259	92,198	139,982	205,736	243,660
CCRA Capital Construction	31,710	55,560	70,056	72,262	30,916	15,430	7,030	4,428
Water Connection	4,590	9,548	12,259	12,516	14,478	16,509	17,130	17,462
Rehabilitation/Replacement	19,624	18,094	10,783	10,783	12,283	12,783	13,283	13,783
CSDLAC Prepayment	689	705	721	737	0	0	0	0
Water Resource Capital	4,217	5,521	4,003	332	2,006	4,804	8,999	8,462
Debt Service & Redemption	16,757	31,839	27,175	32,121	32,511	32,994	33,172	32,931
Self Insurance Program	6,000	6,000	5,545	3,000	3,000	3,000	3,000	3,000
Employee Retirement Benefit	5,431	5,401	6,000	6,000	6,000	6,000	5,142	4,651
Sinking Fund	31,275	38,948	43,513	32,390	19,448	26,884	35,228	38,947
ENDING BALANCE AT JUNE 30	\$184,700	\$228,955	\$244,629	\$251,763	\$251,356	\$296,730	\$368,026	\$408,039

*Numbers may not total due to rounding

Appendix C-3: Consolidated Fund Budget by Fund

INLAND EMPIRE UTILITIES AGENCY
 FISCAL YEARS 2019/20 AND 2020/21 BIENNIAL BUDGET
 SOURCES AND USES OF FUNDS - BY PROGRAM FUND (In Thousands)

	FY 2016/17 ACTUAL	FY 2017/18 ACTUAL	FY 2018/19 PROJECTED ACTUAL	FY 2019/20 PROPOSED BUDGET							FY 2020/21 PROPOSED BUDGET	
				Administrative Services Program	Non- Reclaimable Wastewater Program	Regional Wastewater Capital Improvement Fund	Regional Wastewater Operations & Maintenance Program	Recharge Water Program	Recycle d Water Program	Water Resource s Program		TOTAL
REVENUES												
User Charges	\$73,173	\$79,940	\$86,122	\$0	\$12,370	\$0	\$68,158	\$0	\$0	\$6,757	\$87,285	\$90,491
Property Tax	1,972	1,972	1,972	1,972	0	0	0	0	0	0	1,972	1,972
Cost Reimbursement JPA	5,804	6,210	6,295	1,383	0	0	4,065	1,237	0	0	6,684	6,685
Contract Cost reimbursement	120	542	1,751	0	0	0	66	69	0	683	818	800
Interest Revenue	1,399	2,396	3,827	320	583	790	1,700	115	983	202	4,693	4,157
Recycled Water Sales	16,385	16,878	15,890	0	0	0	0	0	18,120	0	18,120	18,752
Water Sales	29,908	45,999	43,528	0	0	0	0	0	0	44,724	44,724	46,236
TOTAL REVENUES	\$128,760	\$153,937	\$159,387	\$3,675	\$12,953	\$790	\$73,988	\$1,421	\$19,103	\$52,366	\$164,296	\$169,093
OTHER FINANCING SOURCES												
Property Tax - Debt and Capital	\$43,702	\$46,441	\$48,378	\$0	\$0	\$34,037	\$9,549	\$0	\$2,170	\$4,637	\$50,392	\$51,963
Regional System Connection Fees	35,923	40,739	32,912	0	0	27,820	0	0	7,915	0	35,735	36,687
State Loans	9,271	15,229	3,743	0	0	9,800	0	1,256	8,153	0	19,209	89,234
Grants	12,295	5,595	8,041	0	0	0	1,261	4,845	7,032	0	13,137	16,416
Capital Cost Reimbursement	1,454	2,482	1,693	0	0	0	0	565	2,075	0	2,640	1,364
Other Revenues	(752)	964	872	2	250	1	909	0	0	0	1,162	1,112
Loan Transfer from Internal Fund	0	0	3,000	0	3,000	0	0	0	0	0	3,000	3,000
TOTAL OTHER FINANCING SOURCES	\$101,893	\$112,770	\$98,638	\$2	\$3,250	\$71,658	\$11,718	\$6,665	\$27,345	\$4,637	\$125,275	\$199,776
TOTAL REVENUES AND OTHER FINANCING SOURCES	\$230,653	\$266,707	\$258,025	\$3,677	\$16,203	\$72,447	\$85,707	\$8,086	\$46,448	\$57,003	\$289,570	\$368,869
EXPENSES												
Employment Expenses	\$46,171	\$43,351	\$47,680	\$2,469	\$2,517	\$3,613	\$33,985	\$653	\$5,184	\$2,868	\$51,289	\$52,309
Contract Work/Special Projects	15,699	11,797	15,648	2,335	600	125	5,800	139	1,780	4,498	15,276	12,043
Utilities	7,907	8,323	9,446	806	91	0	6,022	68	2,801	0	9,788	10,144
Operating Fees	11,587	12,149	12,171	12	6,905	267	1,953	13	10	3,105	12,265	12,726
Chemicals	4,259	3,985	4,216	0	130	0	4,867	0	0	0	4,997	5,147
Professional Fees and Services	6,967	8,435	10,293	4,830	191	407	4,723	934	666	272	12,023	11,347
Office and Administrative expenses	2,071	1,564	2,264	2,571	24	0	3	15	3	64	2,680	2,908
Biosolids Recycling	4,094	4,092	4,364	0	35	0	4,384	0	0	0	4,419	4,551
Materials & Supplies	3,012	2,963	3,050	614	84	0	2,019	98	169	0	2,983	2,995
MWD Water Purchases	29,908	46,001	43,528	0	0	0	0	0	0	44,724	44,724	46,236
Other Expenses	599	1,044	1,383	(6,241)	460	1,548	4,277	53	1,132	343	1,571	1,573
TOTAL EXPENSES	\$132,275	\$143,702	\$154,042	\$7,397	\$11,036	\$5,960	\$68,034	\$1,973	\$11,743	\$55,872	\$162,015	\$161,979
CAPITAL PROGRAM												
CSDLAC 4Rs	\$689	\$705	\$721	\$0	\$737	\$0	\$0	\$0	\$0	\$0	\$737	\$0
IERCA investment	0	0	500	0	0	500	0	0	0	0	500	500
Capital Construction and Expansion	29,411	56,193	62,322	2,310	8,950	24,824	25,988	5,000	18,727	6,550	92,349	178,799
TOTAL CAPITAL PROGRAM	\$30,100	\$56,898	\$63,543	\$2,310	\$9,687	\$25,324	\$25,988	\$5,000	\$18,727	\$6,550	\$93,586	\$179,299
DEBT SERVICE												
Financial Expenses	\$524	\$206	\$224	\$18	\$1	\$139	\$0	\$67	\$3	\$0	\$228	\$403
Interest	8,161	6,386	6,183	0	280	3,017	655	461	2,657	0	7,071	6,876
Principal	62,008	15,259	15,360	0	305	9,370	756	739	5,367	0	16,537	17,720
Short Term Inter-Fund Loan	0	0	3,000	0	0	0	0	0	3,000	0	3,000	3,000
TOTAL DEBT SERVICE	\$70,693	\$21,851	\$24,767	\$18	\$586	\$12,526	\$1,412	\$1,267	\$11,027	\$0	\$26,835	\$27,998
TRANSFERS IN (OUT)												
Capital Contribution	\$0	\$0	\$0	\$1,286	(\$44)	\$3,399	(\$4,598)	\$44	(\$88)	\$0	\$0	\$0
Debt Service	0	0	0	0	0	(3,299)	265	633	2,400	0	0	(0)
Operation support	0	(0)	0	2,335	(79)	0	(2,176)	757	(836)	0	0	0
Capital - Connection Fees Allocation	0	0	0	975	2,292	(8,984)	5,717	0	0	0	(0)	0
One Water	0	0	0	49	0	0	0	25	(2,021)	1,947	0	0
TOTAL INTERFUND TRANSFERS IN (OUT)	(\$684)	(\$0)	(\$0)	\$4,645	\$2,169	(\$8,883)	(\$792)	\$1,460	(\$545)	\$1,947	\$0	\$0
FUND BALANCE												
Net Increase (Decrease)	(\$2,415)	\$44,256	\$15,674	(\$1,403)	(\$2,938)	\$19,755	(\$10,519)	\$1,306	\$4,405	(\$3,472)	\$7,134	(\$407)
Beginning Fund Balance July 01	187,114	184,700	228,955	13,681	15,188	88,587	76,428	4,108	36,651	9,985	244,629	251,763
ENDING BALANCE AT JUNE 30	\$184,700	\$228,955	\$244,629	\$12,279	\$12,251	\$108,342	\$65,909	\$5,414	\$41,056	\$6,513	\$251,763	\$251,356
RESERVE BALANCE SUMMARY												
Operating Contingencies	\$35,393	\$36,371	\$36,921	\$3,279	\$3,679	\$0	\$21,323	\$987	\$3,914	\$6,180	\$39,362	\$38,516
Capital Expansion & Replacement	29,013	20,969	27,652	0	7,249	16,617	0	2,883	15,511	0	42,259	92,198
CCRA Capital Construction	31,710	55,560	70,056	0	0	72,262	0	0	0	0	72,262	30,916
Water Connection	4,590	9,548	12,259	0	0	0	0	0	12,516	0	12,516	14,478
Rehabilitation/Replacement	19,624	18,094	10,783	0	0	0	10,783	0	0	0	10,783	12,283
CSDLAC Prepayment	689	705	721	0	737	0	0	0	0	0	737	0
Water Resource Capital	4,217	5,521	4,003	0	0	0	0	0	0	332	332	2,006
Debt Service & Redemption	16,757	31,839	27,175	0	586	19,463	1,412	1,545	9,116	0	32,121	32,511
Self Insurance Program	6,000	6,000	5,545	3,000	0	0	0	0	0	0	3,000	3,000
Employee Retirement Benefit	5,431	5,401	6,000	6,000	0	0	0	0	0	0	6,000	6,000
Sinking Fund	31,275	38,948	43,513	0	0	0	32,390	0	0	0	32,390	19,448
ENDING BALANCE AT JUNE 30	\$184,700	\$228,955	\$244,629	\$12,279	\$12,251	\$108,342	\$65,909	\$5,414	\$41,056	\$6,513	\$251,763	\$251,356

*Numbers may not total due to rounding

Appendix D-1: Regional Wastewater Capital Improvement Fund Budget

INLAND EMPIRE UTILITIES AGENCY FISCAL YEARS 2019/20 and 2020/21 BIENNIAL BUDGET REGIONAL WASTEWATER CAPITAL IMPROVEMENT FUND - SOURCES AND USES OF FUNDS (In Thousands)

	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024
	Actual	Actual	Projected Actual	Proposed Budget	Proposed Budget	Forecast		
REVENUES								
Interest Revenue	\$240	\$456	\$497	\$790	\$826	\$592	\$700	\$838
TOTAL REVENUES	\$240	\$456	\$497	\$790	\$826	\$592	\$700	\$838
OTHER FINANCING SOURCES								
Property Tax - Debt and Capital	\$29,688	\$31,469	\$32,728	\$34,037	\$35,058	\$36,109	\$37,193	\$37,937
Regional System Connection Fees	30,508	32,850	26,496	27,820	28,655	29,514	26,600	27,398
State Loans	-	500	-	9,800	80,250	103,650	56,050	29,170
Sale of Assets	-	1,320	-	-	-	-	-	-
Other Revenues	101	19	11	1	1	1	1	1
Loan Transfer from Internal Fund	-	-	-	-	-	-	2,000	6,000
TOTAL OTHER FINANCING SOURCES	\$60,294	\$66,158	\$59,238	\$71,658	\$143,963	\$169,275	\$121,843	\$100,505
EXPENSES								
Employment Expenses	\$3,810	\$3,836	\$4,101	\$3,613	\$3,743	\$3,973	\$4,140	\$4,298
Contract Work/Special Projects	1,131	611	132	125	-	-	-	-
Operating Fees	259	254	260	267	275	283	292	301
Professional Fees and Services	370	339	375	407	420	429	438	447
Other Expenses	534	933	1,360	1,548	1,535	1,568	1,601	1,638
TOTAL EXPENSES	\$6,105	\$5,973	\$6,229	\$5,960	\$5,973	\$6,253	\$6,470	\$6,683
CAPITAL PROGRAM								
Work In Progress	\$11,425	\$20,316	\$27,374	\$24,824	\$102,243	\$125,119	\$66,210	\$36,054
IERCA investment	-	-	500	500	500	-	-	-
TOTAL CAPITAL PROGRAM	\$11,425	\$20,316	\$27,874	\$25,324	\$102,743	\$125,119	\$66,210	\$36,054
DEBT SERVICE								
Financial Expenses	\$268	\$140	\$136	\$139	\$256	\$139	\$131	\$132
Interest	4,712	3,004	2,655	3,017	2,656	2,272	1,993	5,127
Principal	57,274	8,791	8,922	9,370	9,630	10,081	5,145	8,475
Short Term Inter-Fund Loan	-	-	-	-	-	-	-	-
TOTAL DEBT SERVICE	\$62,255	\$11,935	\$11,714	\$12,526	\$12,543	\$12,493	\$7,269	\$13,735
TRANSFERS IN (OUT)								
Capital Contribution	(\$302)	\$51	\$4,735	\$3,399	\$10,426	\$3,880	\$2,401	\$1,414
Debt Service	(917)	(2,848)	(2,912)	(3,299)	(3,327)	(3,358)	(3,352)	(1,213)
Capital - Connection Fees Allocation	(957)	(811)	(6,765)	(8,984)	(8,656)	(2,131)	(2,707)	(4,046)
TOTAL INTERFUND TRANSFERS IN (OUT)	(\$2,177)	(\$3,608)	(\$4,942)	(\$8,883)	(\$1,556)	(\$1,609)	(\$3,658)	(\$3,845)
FUND BALANCE								
Net Income (Loss)	(\$21,427)	\$24,782	\$8,976	\$19,755	\$21,974	\$24,392	\$38,936	\$41,027
Beginning Fund Balance July 01	76,257	54,829	79,611	88,587	108,342	130,316	154,708	193,643
ENDING FUND BALANCE AT JUNE 30*	\$54,829	\$79,611	\$88,587	\$108,342	\$130,316	\$154,708	\$193,643	\$234,670
RESERVE BALANCE SUMMARY								
Capital Construction	\$15,680	\$4,588	\$2,647	\$16,617	\$79,906	\$119,788	\$166,995	\$210,629
CCRA Capital Construction	31,710	55,560	70,056	72,262	30,916	15,430	7,030	4,428
Debt Service & Redemption	7,440	19,463	15,884	19,463	19,494	19,489	19,619	19,613
ENDING BALANCE AT JUNE 30	\$54,829	\$79,611	\$88,587	\$108,342	\$130,316	\$154,708	\$193,643	\$234,670

*Numbers may not total due to rounding

**Regional Wastewater Capital Improvement Fund
Proposed Capital Project List**

Major Projects (\$Millions)	FY 2019/20	FY 2020/21	FY 2021/22 to FY 2023/24	TYCIP Total
RP-5 Expansion	\$11.00	\$90.00	\$119.00	\$304.90
CCWRF Asset Management Improvements	6.8	7.5	6	26.9
RP-1 Flare Improvements	5	-	-	5
Collection System Upgrades	0.5	0.5	1.5	5
RP-1 Solids & Liquid Treatment Expansion	0.2	-	-	80.5
All Other Capital Projects	1.8	4.7	100.9	92.3
Total	\$25.30	\$102.70	\$227.40	\$514.60

Appendix D-2: Regional Wastewater Operations & Maintenance Fund Budget

INLAND EMPIRE UTILITIES AGENCY
FISCAL YEARS 2019/20 AND 2020/21 BIENNIAL BUDGET
REGIONAL WASTEWATER OPERATIONS & MAINTENANCE FUND - SOURCES AND USES OF FUNDS (In Thousands)

	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024
	ACTUAL	ACTUAL	PROJECTED ACTUAL	PROPOSED BUDGET	PROPOSED BUDGET	FORECAST		
REVENUES								
User Charges	\$56,597	\$62,144	\$66,663	\$68,158	\$70,366	\$72,653	\$75,020	\$77,466
Cost Reimbursement JPA	3,675	3,981	3,763	4,065	4,227	4,396	4,572	4,755
Contract Cost Reimbursement	70	64	66	66	66	66	66	66
Interest Revenue	538	965	1,800	1,700	1,300	1,200	1,300	1,500
TOTAL REVENUES	\$60,881	\$67,155	\$72,293	\$73,988	\$75,959	\$78,315	\$80,958	\$83,787
OTHER FINANCING SOURCES								
Property Tax Revenues - Debt/Capital/Rt	\$9,549	\$9,549	\$9,549	\$9,549	\$9,549	\$9,549	\$9,549	\$9,549
State Loans	7,531	11,310	2,239	0	0	0	0	0
Grants	11,780	3,142	3,011	1,261	1,135	0	0	0
Other Revenues	611	248	601	909	909	909	909	909
TOTAL OTHER FINANCING SOURCES	\$29,470	\$24,248	\$15,400	\$11,718	\$11,593	\$10,458	\$10,458	\$10,458
EXPENSES								
Employment Expenses	\$32,335	\$28,718	\$32,321	\$33,985	\$35,261	\$37,433	\$39,003	\$40,495
Contract Work/Special Projects	11,048	7,544	7,787	5,800	6,425	4,015	3,940	5,215
Utilities	5,329	5,806	6,182	6,022	6,266	6,423	6,584	6,751
Operating Fees	1,443	1,519	1,752	1,953	2,015	2,080	2,143	2,206
Chemicals	4,180	3,880	4,086	4,867	5,013	5,163	5,318	5,478
Professional Fees and Services	2,252	3,587	3,667	4,723	4,226	4,353	4,437	4,582
Biosolids Recycling	4,007	4,044	4,329	4,384	4,515	4,651	4,790	4,934
Materials & Supplies	2,199	1,992	2,020	2,019	2,064	2,126	2,190	2,256
Other Expenses	887	2,621	3,773	4,277	4,231	4,322	4,422	4,524
TOTAL EXPENSES	\$63,684	\$59,710	\$65,922	\$68,034	\$70,020	\$70,570	\$72,831	\$76,444
CAPITAL PROGRAM								
Capital Construction & Expansion (WIP)	\$12,557	\$23,781	\$21,754	\$25,988	\$21,047	\$6,726	\$6,775	\$10,246
TOTAL CAPITAL PROGRAM	\$12,557	\$23,781	\$21,754	\$25,988	\$21,047	\$6,726	\$6,775	\$10,246
DEBT SERVICE								
Financial Expenses	\$16	(\$26)	\$0	\$0	\$0	\$1	\$0	\$0
Interest	200	179	175	655	641	620	597	573
Principal	0	172	177	756	771	791	814	857
TOTAL DEBT SERVICE	\$216	\$325	\$352	\$1,412	\$1,412	\$1,412	\$1,412	\$1,430
TRANSFERS IN (OUT)								
Capital Contribution	(\$181)	(\$1,826)	(\$5,020)	(\$4,598)	(\$11,010)	(\$4,226)	(\$2,702)	(\$2,011)
Debt Service				265	123	123	123	(2,146)
Operation support to GG for Non-Capital Projects		(649)	(508)	(2,176)	(1,307)	(279)	(1,016)	(705)
Capital - Connection Fees Allocation		0	5,454	5,717	4,785	1,879	2,255	3,599
TOTAL INTERFUND TRANSFERS IN (OUT)	(\$181)	(\$2,475)	(\$74)	(\$792)	(\$7,409)	(\$2,502)	(\$1,339)	(\$1,263)
FUND BALANCE								
Net Income (Loss)	\$13,712	\$5,113	(\$409)	(\$10,519)	(\$12,335)	\$7,564	\$9,058	\$4,862
Beginning Fund Balance July 01	58,012	71,724	76,837	76,428	65,909	53,574	61,137	70,195
ENDING FUND BALANCE JUNE 30*	\$71,724	\$76,837	\$76,428	\$65,909	\$53,574	\$61,137	\$70,195	\$75,057
RESERVE BALANCE SUMMARY								
Operating Contingies	\$20,038	\$18,590	\$20,720	\$21,323	\$21,931	\$22,058	\$22,753	\$23,896
Rehabilitation/Replacement	19,624	18,094	10,783	10,783	10,783	10,783	10,783	10,783
Debt Service	787	1,204	1,412	1,412	1,412	1,412	1,430	1,430
Sinking Fund	31,275	38,948	43,513	32,390	19,448	26,884	35,228	38,947
ENDING BALANCE AT JUNE 30	\$71,724	\$76,837	\$76,428	\$65,909	\$53,574	\$61,137	\$70,195	\$75,057

* Numbers may not total due to rounding

**Regional Wastewater Operations & Maintenance Fund
Proposed Capital Project List**

Major Projects (\$Millions)	FY 2019/20	FY 2020/21	FY 2021/22 to FY 2023/24	TYCIP Total
RP-1 Mechanical Restoration Upgrades	\$8.90	\$1.00		\$9.90
RP-4 Influent Screen Replacement	2.9			2.9
RP-1 Primary Effluent Conveyance Improvement	2.7			2.7
RSS Haven Avenue Repair & Replace from Airport to Mission	2	4		6
SCADA Enterprise System	2	3.5	3	8.5
RP-4 Process Improvements	1.9	1	3.2	6.1
All Other Capital Projects	5.5	11.5	17.5	71.7
Total	\$25.90	\$21.00	\$23.70	\$107.80

Appendix D-3: Recycled Water Fund Budget

INLAND EMPIRE UTILITIES AGENCY FISCAL YEARS 2019/20 and 2020/21 BIENNIAL BUDGET RECYCLED WATER FUND - SOURCES AND USES OF FUNDS (In Thousands)

	2017/2018	2018/2019	2018/2019	2019/2020	2020/2021	2021/2022	2022/23	2023/24
	ACTUAL	AMENDED BUDGET	PROJECTED ACTUAL	PROPOSED BUDGET	PROPOSED BUDGET	FORECAST		
REVENUES								
Interest Revenue	\$371	\$577	577	\$983	\$949	\$945	\$1,230	\$1,360
Water Sales	16,878	15,890	15,890	18,120	18,752	19,408	20,445	21,037
TOTAL REVENUES	\$17,343	\$16,467	\$16,467	\$19,103	\$19,701	\$20,353	\$21,675	\$22,397
OTHER FINANCING SOURCES								
Property Tax - Debt/Capital	\$2,170	\$2,170	\$2,170	\$2,170	\$2,170	\$2,170	\$2,170	\$2,170
Connection Fees	7,889	6,416	6,416	7,915	8,032	8,025	8,019	8,011
State Loans	3,418	7,909	1,503	8,153	5,220	7,240	22,469	23,100
Grants	2,164	6,710	4,503	7,032	3,750	1,875	3,500	6,250
Capital Contract Reimbursement	202	72	663	2,075	702	6,824	7,220	3,473
Other Revenues	12	0	0	0	0	0	0	0
TOTAL OTHER FINANCING SOURCES	\$15,855	\$23,277	\$15,255	\$27,345	\$19,875	\$26,134	\$43,378	\$43,004
EXPENSES								
Employment Expenses	\$4,084	\$4,248	\$4,416	\$5,184	\$5,370	\$5,701	\$5,940	\$6,168
Contract Work/Special Projects	1,019	1,982	1,131	1,780	1,365	1,063	995	975
Utilities	1,833	2,028	2,512	2,801	2,885	2,971	3,061	3,152
Operating Fees	3	10	6	10	10	11	11	11
Chemicals	0	0	0	0	0	0	0	0
Professional Fees and Services	481	884	685	666	632	669	741	729
Office and Administrative expenses	2	3	3	3	3	3	3	3
Materials & Supplies	154	203	252	169	174	185	199	216
Other Expenses	728	934	980	1,132	1,122	1,146	1,170	1,197
TOTAL EXPENSES	\$8,304	\$10,293	\$9,983	\$11,743	\$11,562	\$11,750	\$12,121	\$12,452
CAPITAL PROGRAM								
Work In Progress	\$7,439	\$16,237	\$8,213	\$18,727	\$23,800	\$16,300	\$23,305	\$44,000
TOTAL CAPITAL PROGRAM	\$7,439	\$16,237	\$8,213	\$18,727	\$23,800	\$16,300	\$23,305	\$44,000
DEBT SERVICE								
Financial Expenses	\$1	\$3	\$3	\$3	\$3	\$4	\$3	\$3
Interest	2,715	2,657	2,800	2,657	2,881	2,846	2,877	2,577
Principal	5,159	5,256	5,256	5,367	6,232	6,625	7,083	7,381
Short Term Inter-Fund Loan	0	3,000	3,000	3,000	3,000	3,000	5,000	6,000
TOTAL DEBT SERVICE	\$7,875	\$10,916	\$11,059	\$11,027	\$12,116	\$12,475	\$14,963	\$15,961
TRANSFERS IN (OUT)								
Capital Contribution	(\$80)	(\$1,052)	(\$1,020)	(\$88)	(\$21)	(\$13)	(\$21)	(\$134)
Debt Service	2,397	2,400	2,400	2,400	2,542	2,540	2,541	2,669
Operation support	(464)	(709)	(680)	(836)	(755)	(759)	(817)	(835)
Water Connection Allocation	(390)	(1,652)	(1,652)	(2,021)	(950)	(855)	(297)	(316)
TOTAL INTERFUND TRANSFERS IN (OUT)	\$1,463	(\$1,014)	(\$951)	(\$545)	\$816	\$914	\$1,406	\$1,384
FUND BALANCE								
Net Income (Loss)	\$11,043	\$1,284	\$1,516	\$4,405	(\$7,086)	\$6,875	\$16,071	(\$5,629)
Beginning Fund Balance July 01	24,092	35,135	35,135	36,651	41,056	33,970	40,845	56,916
ENDING BALANCE AT JUNE 30	\$35,135	\$36,419	\$36,651	\$41,056	\$33,970	\$40,845	\$56,916	\$51,287
RESERVE BALANCE SUMMARY								
Operating Contingency	\$2,768	\$3,431	\$3,431	\$3,914	\$3,854	\$3,917	\$4,040	\$4,151
Capital Construction	12,831	12,702	12,934	15,511	4,664	8,456	23,284	16,947
Water Connection	9,548	12,259	12,259	12,516	14,478	16,509	17,130	17,462
Debt Service	9,988	8,027	8,027	9,116	9,475	9,963	9,961	9,726
ENDING BALANCE AT JUNE 30	\$35,135	\$36,419	\$36,651	\$41,056	\$33,970	\$40,845	\$56,916	\$51,287

* Numbers may not total due to rounding

**Recycled Water Fund
Proposed Capital Project List**

Major Projects (\$Millions)	FY 2019/20	FY 2020/21	FY 2021/22 to FY 2023/24	TYCIP Total
Recycled Water Intertie to City of Pomona	\$2.00	\$3.00	\$61.00	\$80.00
Recycled Water Intertie to Jurupa Community Services District	1.0	18.5	11.8	31.3
Baseline Recycled Water Pipeline Extension	5.7	0	0	5.7
RP-1 1158 Recycled Water Pump Station Upgrades	4.7	0	0	4.7
Napa Lateral (San Bernardino Speedway, CSI, Prologis)	1.6	0	0	1.6
All Other Capital Projects	3.7	2.3	10.8	81.1
Total	\$18.70	\$23.80	\$83.60	\$204.40

Appendix D-4: Recharge Water Fund Budget

INLAND EMPIRE UTILITIES AGENCY FISCAL YEARS 2019/20 AND 2020/21 BIENNIAL BUDGET RECHARGE WATER FUND - SOURCES AND USES OF FUNDS (In Thousands)

	2016/2017	2017/2018	2018/2019	2019/2020	2019/2020	2021/2022	2022/2023	2023/2024
			PROJECTED	PROPOSED	PROPOSED			
	ACTUAL	ACTUAL	ACTUAL	BUDGET	BUDGET	FORECAST		
REVENUES								
Cost Reimbursement from JPA	\$948	\$864	\$1,137	\$1,237	\$1,076	\$1,108	\$1,141	\$1,175
Contract Cost reimbursement	(10)	0	1,544	69	0	0	0	0
Interest Revenue	16	23	85	115	160	190	195	195
TOTAL REVENUES	\$954	\$888	\$2,766	\$1,421	\$1,236	\$1,298	\$1,336	\$1,370
OTHER FINANCING SOURCES								
State Loans	\$0	\$0	\$0	\$1,256	\$3,764	\$143	\$0	\$0
Grants	(4)	0	452	4,845	11,521	0	0	0
Capital Contract Reimbursement	1,117	2,280	1,026	565	662	937	1,059	1,188
Other Revenues	0	25	0	0	0	0	0	0
TOTAL OTHER FINANCING SOURCES	\$1,113	\$2,305	\$1,478	\$6,665	\$15,947	\$1,080	\$1,059	\$1,188
EXPENSES								
Employment Expenses	\$565	\$657	\$596	\$653	\$677	\$718	\$748	\$777
Contract Work/Special Projects	353	25	1,544	139	0	0	0	0
Utilities	82	99	75	68	70	72	74	76
Operating Fees	5	7	12	13	8	8	8	8
Professional Fees and Services	801	591	1,171	934	859	885	911	939
Office and Administrative expense	9	10	15	15	16	16	17	17
Expense Allocation	65	0	47	53	52	54	55	56
Materials & Supplies	69	83	90	98	101	104	107	111
Other Expenses	15	0	0	0	0	0	0	0
TOTAL EXPENSES	\$1,964	\$1,471	\$3,549	\$1,973	\$1,782	\$1,857	\$1,921	\$1,984
CAPITAL PROGRAM								
Capital Expansion/Construction	\$864	\$1,645	\$1,036	\$5,000	\$13,184	\$290	\$500	\$750
TOTAL CAPITAL PROGRAM	\$864	\$1,645	\$1,036	\$5,000	\$13,184	\$290	\$500	\$750
DEBT SERVICE								
Financial Expenses	\$73	\$71	\$68	\$67	\$125	\$63	\$62	\$61
Interest	95	148	245	461	430	527	491	454
Principal	647	683	710	739	769	916	944	988
TOTAL DEBT SERVICE	\$815	\$902	\$1,024	\$1,267	\$1,324	\$1,506	\$1,497	\$1,503
TRANSFERS IN (OUT)								
Capital Contribution	\$399	\$15	\$44	\$44	\$0	\$0	\$10	\$113
Debt Service	408	451	512	633	662	694	688	690
Operation support	507	440	661	757	707	749	780	809
Property Tax Transfer	68	25	1,009	25	5	23	45	68
TOTAL INTERFUND TRANSFERS IN (OUT)	\$1,381	\$931	\$2,227	\$1,460	\$1,374	\$1,466	\$1,523	\$1,679
FUND BALANCE								
Net Income (Loss)	(\$196)	\$105	\$863	\$1,306	\$2,267	\$191	\$0	\$0
Beginning Fund Balance July 01	3,337	3,140	3,246	4,108	5,414	7,681	7,872	7,872
ENDING FUND BALANCE AT JUNE 30*	\$3,140	\$3,246	\$4,108	\$5,414	\$7,681	\$7,872	\$7,872	\$7,872
RESERVE BALANCE SUMMARY								
Operating Contingencies	\$1,978	\$2,165	\$1,183	\$987	\$891	\$928	\$960	\$992
Capital Expansion / Construction	500	500	1,659	2,883	5,245	5,398	5,367	5,335
Debt Service & Redemption	662	581	1,267	1,545	1,545	1,545	1,545	1,545
ENDING BALANCE AT JUNE 30	\$3,140	\$3,246	\$4,108	\$5,414	\$7,681	\$7,872	\$7,872	\$7,872

* Numbers may not total due to rounding

**Recharge Water Fund
Proposed Capital Project List**

Major Projects (\$Millions)	FY 2019/20	FY 2020/21	FY 2021/22 to FY 2023/24	TYCIP Total
Recharge Master Plan	\$5.00	\$9.80	\$0.00	\$14.80
All Other Capital Projects	0	3.4	8.3	11.7
Total	\$5.00	\$13.23	\$8.30	\$26.50

Appendix D-5: Water Resources Fund Budget

INLAND EMPIRE UTILITIES AGENCY
FISCAL YEARS 2019/20 AND 2020/21 BUDGET
WATER RESOURCES FUND - SOURCES AND USES OF FUNDS (In Thousands)

	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024
	Actual	Actual	Projected Actual	Proposed Budget	Proposed Budget	Forecast		
REVENUES AND OTHER FINANCING SOURCES								
User Charges	\$4,775	\$5,344	\$6,165	\$6,757	\$7,397	\$8,042	\$8,545	\$8,732
Contract Cost reimbursement	60	380	142	683	734	734	434	434
Interest Revenue	53	100	128	202	166	207	285	324
Water Sales	29,908	45,999	43,528	44,724	46,236	47,796	49,464	51,024
Gas Sales	0	0	0	0	0	0	0	0
TOTAL REVENUES AND OTHER FINANCING SOURCE:	\$34,796	\$51,823	\$49,963	\$52,366	\$54,533	\$56,779	\$58,728	\$60,513
OTHER FINANCING SOURCES								
Property Tax - Debt and Capital	\$2,295	\$3,254	\$3,932	\$4,637	\$5,186	\$5,753	\$6,336	\$6,736
Grants	150	206	76	0	10	10	10	10
Other Revenues	9	34	0	0	0	0	0	0
TOTAL OTHER FINANCING SOURCES	\$2,454	\$3,495	\$4,007	\$4,637	\$5,196	\$5,763	\$6,346	\$6,746
EXPENSES								
Employment Expenses	\$2,074	\$1,780	\$2,340	\$2,868	\$2,971	\$3,154	\$3,286	\$3,412
Contract Work/Special Projects	1,422	1,814	4,359	4,498	2,751	2,109	1,313	1,313
Operating Fees	3,219	3,037	2,944	3,105	3,198	3,263	3,328	3,396
Professional Fees and Services	269	176	194	272	276	281	286	291
Office and Administrative expenses	8	3	5	64	64	64	64	64
MWD Water Purchases	29,908	46,001	43,528	44,724	46,236	47,796	49,464	51,024
Other Expenses	119	246	309	343	341	347	352	358
TOTAL EXPENSES	\$37,020	\$53,058	\$53,679	\$55,872	\$55,837	\$57,013	\$58,093	\$59,857
	37,020	53,058	53,679	55,872	55,837	57,013	58,093	59,857
CAPITAL PROGRAM								
Capital Construction & Expansion (WIP)	\$0	\$0	\$1,500	\$6,550	\$3,575	\$3,575	\$3,000	\$8,000
TOTAL CAPITAL PROGRAM	\$0	\$0	\$1,500	\$6,550	\$3,575	\$3,575	\$3,000	\$8,000
TRANSFERS IN (OUT)								
Water Connections	\$59	\$321	\$626	\$1,947	\$917	\$825	\$236	\$236
TOTAL INTERFUND TRANSFERS IN (OUT)	\$59	\$321	\$626	\$1,947	\$917	\$825	\$236	\$236
FUND BALANCE								
Net Income (Loss)	\$289	\$2,581	(\$583)	(\$3,472)	\$1,235	\$2,779	\$4,217	(\$361)
Beginning Fund Balance July 01	7,698	7,987	10,568	9,985	6,513	7,748	10,527	14,744
ENDING FUND BALANCE AT JUNE 30	\$7,987	\$10,568	\$9,985	\$6,513	\$7,748	\$10,527	\$14,744	\$14,382
RESERVE BALANCE SUMMARY								
Capital / Operation Contingencies	\$3,770	\$5,047	\$5,982	\$6,180	\$5,742	\$5,723	\$5,744	\$5,920
Water Resources Capital	4,217	5,521	4,003	332	2,006	4,804	8,999	8,462
ENDING BALANCE AT JUNE 30	\$7,987	\$10,568	\$9,985	\$6,513	\$7,748	\$10,527	\$14,744	\$14,382

* Numbers may not total due to rounding

**Water Resources Fund
Proposed Capital Project List**

Major Projects (\$Millions)	FY 2019/20	FY 2020/21	FY 2021/22 to FY 2023/24	TYCIP Total
Chino Basin Program Planning	\$6.60	\$2.60	\$2.60	\$11.70
All Other Capital Projects	0	1.0	12.0	13.0
Total	\$6.60	\$3.60	\$14.60	\$24.70

Appendix D-6: Non-Reclaimable Wastewater Fund Budget

INLAND EMPIRE UTILITIES AGENCY FISCAL YEARS 2019/20 AND 2020/21 BUDGET NON-RECLAIMABLE WASTEWATER FUND - SOURCES AND USES OF FUNDS (In Thousands)

	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024
	ACTUAL	ACTUAL	PROJECTED ACTUAL	PROPOSED BUDGET	PROPOSED BUDGET	FORECAST		
REVENUES								
User Charges	\$11,800	\$12,452	\$13,294	\$12,395	\$12,653	\$12,924	\$13,202	\$13,593
Interest Revenue	164	274	425	583	461	367	394	376
TOTAL REVENUES	\$11,964	\$12,725	\$13,719	\$12,978	\$13,114	\$13,290	\$13,597	\$13,969
OTHER FINANCING SOURCES								
Other Revenues	\$156	\$507	\$257	\$250	\$200	\$200	\$200	\$200
Loan Transfer from Internal Fund	0	0	3,000	3,000	3,000	3,000	3,000	0
TOTAL OTHER FINANCING SOURCES	\$156	\$507	\$3,257	\$3,250	\$3,200	\$3,200	\$3,200	\$200
EXPENSES								
Employment Expenses	\$2,018	\$2,030	\$2,223	\$2,517	\$2,608	\$2,769	\$2,885	\$2,995
Contract Work/Special Projects	38	88	150	600	100	100	100	100
Utilities	83	89	76	91	93	96	99	102
Operating Fees	6,649	7,315	7,185	6,929	7,134	7,348	7,568	7,796
Chemicals	79	105	130	130	134	138	142	146
Professional Fees and Services	87	114	122	191	197	202	208	214
Office and Administrative expenses	0	0	0	24	24	25	26	27
Biosolids Recycling	0	25	26	35	36	37	38	39
Materials & Supplies	37	65	93	84	86	89	92	94
Operation Contribution to IERCA	0	0	0	0	0	0	0	0
Other Expenses	65	276	403	460	455	464	474	485
TOTAL EXPENSES	\$9,056	\$10,106	\$10,408	\$11,061	\$10,868	\$11,268	\$11,632	\$11,998
CAPITAL PROGRAM								
CSDLAC 4Rs SRF Loan	\$689	\$705	\$721	\$737	\$0	\$0	\$0	\$0
Capital Expansion/Construction	186	359	785	8,950	13,750	600	700	800
TOTAL CAPITAL PROGRAM	\$875	\$1,064	\$1,506	\$9,687	\$13,750	\$600	\$700	\$800
DEBT SERVICE								
Financial Expenses	\$26	\$0	\$1	\$1	\$1	\$1	\$1	\$1
Interest	402	341	307	280	268	253	236	218
Principal	168	454	294	305	317	331	348	398
TOTAL DEBT SERVICE	\$596	\$795	\$602	\$586	\$586	\$586	\$585	\$617
TRANSFERS IN (OUT)								
Capital Contribution	(\$18)	(\$65)	(\$44)	(\$44)	(\$21)	(\$13)	(\$11)	(\$22)
Operation support	0	(24)	(19)	(79)	(48)	(10)	(37)	(26)
Property Tax Transfer	54	107	972	2,292	3,324	72	72	72
TOTAL INTERFUND TRANSFERS IN (OUT)	\$36	\$19	\$909	\$2,169	\$3,255	\$49	\$24	\$24
FUND BALANCE								
Net Income (Loss)	\$1,630	\$1,285	\$5,370	(\$2,937)	(\$5,634)	\$4,085	\$3,903	\$779
Beginning Fund Balance July 01	6,903	8,533	9,818	15,188	12,251	6,618	10,703	14,606
ENDING FUND BALANCE AT JUNE 30*	\$8,533	\$9,818	\$15,188	\$12,251	\$6,618	\$10,703	\$14,606	\$15,385
RESERVE BALANCE SUMMARY								
Capital/Operations Contingencies	\$3,938	\$5,461	\$3,469	\$3,687	\$3,622	\$3,756	\$3,877	\$3,999
Capital Construction	3,304	3,050	10,413	7,241	2,410	6,361	10,112	10,769
CSDLAC Prepayment	689	705	721	737	0	0	0	0
Debt Service	602	602	586	586	586	585	617	616
ENDING BALANCE AT JUNE 30	\$8,533	\$9,818	\$15,188	\$12,251	\$6,618	\$10,703	\$14,606	\$15,385

* Numbers may not total due to rounding

**Non-Reclaimable Wastewater Fund
Proposed Capital Project List**

Major Projects (\$Millions)	FY 2019/20	FY 2020/21	FY 2021/22 to FY 2023/24	TYCIP Total
Philadelphia Lift Station Force Main Improvements	\$5.00	\$13.50	\$0.00	\$18.50
NRW Pipeline Relining along Cucamonga Creek	2.2			2.2
East End Flowmeter Replacement	1.6			1.6
NRWS Manhole Upgrades	0.2	0.2	0.6	2
All Other Capital Projects			1.5	6.2
Total	\$9.00	\$13.70	\$2.10	\$30.50

Appendix D-7: Administrative Services Fund Budget

INLAND EMPIRE UTILITIES AGENCY FISCAL YEARS 2019/20 and FISCAL YEAR 2020/21 BIENNIAL BUDGET ADMINISTRATIVE SERVICES FUND - SOURCES AND USES OF FUNDS (In Thousands)

	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024
			PROJECTED	PROPOSED	PROPOSED			
	ACTUAL	ACTUAL	ACTUAL	BUDGET	BUDGET	FORECAST		
REVENUES								
Property Tax	\$1,972	\$1,972	\$1,972	\$1,972	\$1,972	\$1,972	\$1,972	\$1,972
Cost Reimbursement from JPA	1,181	1,365	1,394	1,383	1,382	1,467	1,529	1,587
Interest Revenue	153	207	315	320	295	280	260	240
TOTAL REVENUES	\$3,306	\$3,547	\$3,682	\$3,675	\$3,649	\$3,719	\$3,761	\$3,799
OTHER FINANCING SOURCES								
Other Revenues	\$102	\$120	\$2	\$2	\$2	\$2	\$2	\$2
TOTAL OTHER FINANCING SOURCES	\$102	\$203	\$2	\$2	\$2	\$2	\$2	\$2
EXPENSES								
Employment Expenses	\$1,052	\$2,247	\$1,681	\$2,469	\$1,679	\$1,780	\$1,853	\$1,924
Contract Work/Special Projects	973	696	545	2,335	1,403	299	1,090	757
Utilities	445	496	601	806	830	852	875	899
Operating Fees	10	14	12	12	12	12	12	12
Professional Fees and Services	2,726	3,147	4,079	4,830	4,737	4,705	4,815	4,926
Office and Administrative expenses	2,048	1,548	2,238	2,571	2,798	2,623	2,954	2,696
Biosolids Recycling	22	23	10	0	0	0	0	0
Materials & Supplies	525	669	594	614	570	539	554	568
Other Expenses	(1,475)	(3,759)	(5,487)	(6,241)	(6,164)	(6,298)	(6,431)	(6,580)
TOTAL EXPENSES	\$6,326	\$5,080	\$4,272	\$7,397	\$5,864	\$4,512	\$5,722	\$5,201
CAPITAL PROGRAM								
Capital Expansion & Construction	\$1,444	\$2,652	\$1,660	\$2,310	\$1,200	\$559	\$718	\$1,028
TOTAL CAPITAL PROGRAM	\$1,444	\$2,652	\$1,660	\$2,310	\$1,200	\$559	\$718	\$1,028
DEBT SERVICE								
Financial Expenses	\$34	\$19	\$16	\$18	\$18	\$19	\$20	\$21
TOTAL DEBT SERVICE	\$34	\$19	\$16	\$18	\$18	\$19	\$20	\$21
TRANSFERS IN (OUT)								
Capital Contribution	\$519	\$1,905	\$1,304	\$1,286	\$626	\$371	\$323	\$641
Operation support	0	696	545	2,335	1,403	299	1,090	757
Capital - Connection Fees Allocation	904	703	339	975	547	180	380	375
One Water	22	44	17	49	27	7	16	12
TOTAL INTERFUND TRANSFERS IN (OUT)	\$1,444	\$3,348	\$2,204	\$4,645	\$2,603	\$858	\$1,808	\$1,784
FUND BALANCE								
Net Income (Loss)	(\$2,952)	(\$653)	(\$60)	(\$1,403)	(\$828)	(\$511)	(\$890)	(\$665)
Beginning Fund Balance July 01	17,345	14,394	13,741	13,681	12,279	11,450	10,940	10,050
ENDING FUND BALANCE AT JUNE 30*	\$14,394	\$13,741	\$13,681	\$12,279	\$11,450	\$10,940	\$10,050	\$9,385
RESERVE BALANCE SUMMARY								
Operating Contingency	\$2,963	\$2,340	\$1,936	\$2,266	\$1,755	\$1,304	\$1,707	\$1,534
Self-Insurance Program	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
Employee Retirement Benefit	5,431	5,401	5,745	4,013	3,696	3,635	2,342	1,851
ENDING BALANCE AT JUNE 30	\$14,394	\$13,741	\$13,681	\$12,279	\$11,450	\$10,940	\$10,050	\$9,385

*Numbers may not total due to rounding

**Administrative Services Fund
Proposed Capital Project List**

Major Projects (\$Millions)	FY 2019/20	FY 2020/21	FY 2021/22 to FY 2023/24	TYCIP Total
Agency-wide Vehicle Replacement	\$0.50	\$0.30	\$1.00	\$3.50
Agency SCADA ¹ Integration with SAP	0.3	0.2		0.5
Headquarters Campus Driveway Improvements	0.4			0.4
BizNet Infrastructure Replacement Project	0.3	0.1		0.4
ICP ² Instrument	0.2			0.2
All Other Capital Projects	0.6	0.5	1.3	8.6
Total	\$2.30	\$1.20	\$2.30	\$13.60