

TO: Capital Improvements Advisory Committee

FROM: Tracey B. Lehmann, P.E., Director - Development

DATE: September 23, 2020

SUBJECT: September 2020 Status Update

The purpose of this memo is to provide a summary of SAWS impact fee eligible Capital Improvement Projects.

SAWS owns and operates an infrastructure-intensive system comprised of treatment facilities, pumping stations, storage facilities, and pipelines that are continuously improved and expanded. The schedule for future investment in the water and wastewater system is known as the Capital Improvements Plan (CIP). Projects included in the CIP can serve to rehabilitate and renew the system, enhance the system to improve efficiency and meet regulatory requirements, increase the system capacity, or achieve a combination of these objectives. SAWS staff prepare and maintain a draft CIP that forecasts projects to be designed and/or constructed over the next five years.

The draft five-year CIP is used to develop current year CIP which is funded as part of the SAWS annual budget approved by the SAWS Board of Trustees. The 2020 funded CIP is approximately \$609M. The 2021 to 2025 unfunded CIPs are approximately \$515M/year. The actual 2021 to 2025 CIPs are contingent upon future SAWS Board approval of the annual budgets, of which funding may require rate increases that are contingent upon approval by the San Antonio City Council.

The portion of the CIP related to increasing the system capacity (Growth CIP) is defined by SAWS Water and Wastewater Master Plans. The Master Plans are developed to ensure adequate capacity for a 25-year planning period. The Master Plans are adjusted as needed by SAWS staff based on current development trends. In addition, the Master Plans are peer reviewed and updated by outside consultants approximately every five years. The current impact fee CIP relates to the Growth CIP between 2019 and 2028.

The San Antonio City Council approved the San Antonio Water System's Land Use Assumptions Plan (LUAP), Capital Improvements Plan, and Maximum Impact Fees on May 16, 2019. The revised fees went into effect on June 1, 2019.

The following two tables show a summary of SAWS impact fees collected and spent for impact fee eligible projects. The previous status update, extending from June 2019 through November 2019, is shown in Table A. Table B includes the total impact fees collected and spent from December 2019 through August 2020.

Table A	JUN 2019 – NOV 2019	IF Collected	IF Spent
	Flow	6,922,553	70,220
	System Development	4,791,435	6,094,634
	Collection	9,684,312	2,708,171
	Treatment	4,993,414	-
	Water Supply	17,686,132	-
	Water Delivery (Recoup)		7,545,855
	Wastewater (Recoup)		-
	Water Supply (Recoup)		40,590,493
	Total	44,077,844	56,703,718

Table B	DEC 2019 – AUG 2020	IF Collected	IF Spent
	Flow	12,754,786	577,745
	System Development	9,613,741	4,377,064
	Collection	17,829,978	414,671
	Treatment	7,867,445	1,659
	Water Supply	32,530,996	203,036
	Water Delivery (Recoup)		15,779,905
	Wastewater (Recoup)		-
	Water Supply (Recoup)		37,132,989
	Total	80,596,945	58,378,337

The approved impact fees are meant to reimburse SAWS for costs associated with existing excess capacity and help fund infrastructure required to create new capacity. Since 1993 and continuing through August 2020, SAWS has collected \$900.56M in impact fees.

SAWS has directly funded impact fee eligible projects, which add capacity to the water and sewer system at time of construction with the expenditure of \$366.27M of the collected impact fees between 1993 and August 2020. Beginning in 2015, in accordance with state law, SAWS has elected to “recoup” impact fees associated with the reimbursement for existing excess capacity and use those impact fees to fund capital projects not directly associated with providing additional capacity. These recouped impact fees thereby serve as a tool to minimize rate increases. Through August 2020, SAWS has recouped \$310.42M in collected impact fees for this purpose. In total, SAWS has utilized \$676.69M of the collected impact fees as of August 2020.

SAWS is projected to spend another \$62.69M on impact fee eligible jobs currently in process and over the next 6 to 12 months, SAWS intends to recoup an additional \$32.25M in impact fees to help fund other capital projects included in the current CIP.

Growth continues in our region and as a result, SAWS continues to move projects forward to meet the new demands. The attached Table C includes all projects included in the 2019-2028 impact fee update along with information regarding updates to revised cost estimates, status of projects and SAWS Board approved funding.

Please feel free to contact SAWS staff at any time for information on CIP projects.

Table C: 2019-2028 CIP List of Projects and Board Approved Funding

This guide is provided to help understand and navigate through the contents of the CIP list of projects. The listing is broken into the different sections for the different impact fee categories:

- Water Delivery - Flow
- Water Delivery - System Development
- Wastewater - Collection
- Wastewater - Treatment
- Water Supply

The information related to the different projects within each category is arranged in the following columns (from L-R):

- 2019 CIP Project ID : Identification numbers corresponding the projects listed in the CIP section of the 2019 Impact Fee Report
- 2019 CIP Project Name : Names matching the 2019 Impact Fee Report
- 2019 Impact Fee Study Cost : Project costs corresponding with 2019 report
- Current Cost : Updated value account for actual design and construction costs combined
- Change in Project Cost : Difference between the prior two columns. Positive values reflect an increase in cost
- % Impact Fee Eligible : Taken from 2019 report: reflects the growth cost component that is included in the impact fee calculation
- \$ Impact Fee Eligible : % eligible applied to current cost
- Initial Project Start : Anticipated project start date (typically design start) when project is initially planned
- Current Project Start : Actual design start date
- Milestone : Shows if the project is under design, construction or closed
- Board Approved Amount : Total approved funding for the project: includes Acquisition, Design, Construction, Project Closing and other capital expenditures
- Comments : Provided to explain outlying values or unique circumstances

Special notes

- Current cost will match initial cost if the project is still in planning and no significant activity has occurred
- Due to the integrated nature of our water distribution system, the % eligible and corresponding dollar value will be blank for the System Development section. In the 2019 report, the percent eligibility was determined for different types of facilities such as wells, elevated tanks, ground tanks, and pumps. Percent eligibility was also differentiated by impact fee area: High, Middle and Low. These complexities make it difficult to apply % eligibility to individual projects
- Current Start Date: This date is the actual design start of the project. In some cases this information is not available - particularly for developer projects. When not available, current start is the same as the Initial start date
- Milestone: this field is blank for projects that are still in planning.

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2019 CIP PROJECT ID	2019 CIP PROJECT NAME	2019 Impact Fee Study Cost	Current Cost	Change in Project Cost	% Impact Fee Credit Eligible	\$ Impact Fee Credit Eligible	Initial Project Start	Current Project Start	Milestone	Board Approved Amount	COMMENTS
1	Hardy Oak Blvd 30-inch WL	\$3,714,500	\$3,714,500	\$0	35.4%	\$1,314,933					
2	PZ 6 to PZ 905E Pressure Reducing Valve	\$162,500	\$162,500	\$0	35.4%	\$57,525					
3	FM 1604 20-inch WL	\$4,003,200	\$4,003,200	\$0	35.4%	\$1,417,133					
4	Eddie Road 16-inch WL	\$1,560,900	\$1,560,900	\$0	35.4%	\$552,559					
5	Pressure Zones 823 and 828 Integration	\$3,427,000	\$3,427,000	\$0	35.4%	\$1,213,158					
6	North Foster 20-inch WL	\$2,717,700	\$2,717,700	\$0	35.4%	\$962,066					
7	Highway 281 16-inch WL	\$483,900	\$1,189,791	\$705,891	35.4%	\$421,186	3/1/2016	9/26/2016	Closed	\$1,189,791	Scope changed for project
8	12-inch WL, Loop 1604 16-inch WL	\$3,111,900	\$3,111,900	\$0	35.4%	\$1,101,613					
9	16-inch PZ 1080, PZ 994-North to PZ 999 Connections	\$6,661,900	\$6,661,900	\$0	35.4%	\$2,358,313					
10	SW Loop 410 20-inch WL	\$2,013,400	\$2,013,400	\$0	35.4%	\$712,744					
11	Former PZ 1380 to PZ 1400-East Connections	\$1,786,600	\$1,786,600	\$0	35.4%	\$632,456					
12	Helotes Park No 2 PRV to PZ 1201 from PZ 1400	\$145,000	\$145,000	\$0	35.4%	\$51,330					
13	US Hwy 281 12-inch WL	\$3,391,900	\$3,391,900	\$0	35.4%	\$1,200,733					
14	Montgomery Drive 16-inch WL	\$773,200	\$773,200	\$0	35.4%	\$273,713					
15	Montgomery Road 16-inch WL	\$216,500	\$216,500	\$0	35.4%	\$76,641					
16	SH-16 12-inch WL	\$1,724,100	\$1,724,100	\$0	35.4%	\$610,331					
17	Zigmont Rd 12-inch WL	\$3,127,400	\$3,127,400	\$0	35.4%	\$1,107,100					
18	Post Oak to Oaks Dr loop, Autumn Ln loop	\$3,052,600	\$3,052,600	\$0	35.4%	\$1,080,620					Programmed for design in 2021
19	Borgfeld Dr 20-inch WL	\$7,472,200	\$7,472,200	\$0	35.4%	\$2,645,159					Programmed for design in 2021
20	16-inch and 20-inch WL along Talley Rd and	\$5,450,400	\$5,450,400	\$0	35.4%	\$1,929,442					Programmed for design in 2020
21	Talley Rd 16-inch WL and 12-inch PZ 1044 PRV	\$4,196,200	\$4,196,200	\$0	35.4%	\$1,485,455					Programmed for design in 2021
22	20-inch WL along Huebner Rd and West	\$2,390,700	\$2,390,700	\$0	35.4%	\$846,308					
23	16-inch Ladera WLS	\$10,117,200	\$10,117,200	\$0	35.4%	\$3,581,489					
24	PZ 1080 16-inch WLS, Lambda and Texas	\$3,050,400	\$3,050,400	\$0	35.4%	\$1,079,842					
25	Judson Rd 20-inch WL	\$1,426,500	\$1,426,500	\$0	35.4%	\$504,981					
26	Starcrest Dr 12-inch WL	\$1,621,300	\$1,621,300	\$0	35.4%	\$573,940					
27	Blanco Rd 20-inch WL, Borgfeld Dr 12-inch and 20-inch WLS	\$10,551,800	\$10,551,800	\$0	35.4%	\$3,735,337					
28	Rolling Oaks Estates 12-inch and 16-inch WLS, Potranco Rd 20-inch WL	\$11,285,200	\$11,285,200	\$0	35.4%	\$3,994,961					
29	Culebra Rd 16-inch WL	\$2,658,000	\$2,658,000	\$0	35.4%	\$940,932					
30	& 72: PZ 1125 12-inch, 16-inch, 20-inch WL & New Northeast Service Center 16-inch WL along	\$3,783,800	\$3,783,800	\$0	35.4%	\$1,339,465					
31	Blanco Rd 12-inch WLS	\$1,742,800	\$1,742,800	\$0	35.4%	\$616,951					
32	Jungman Rd 12-inch WLS and PZ 930 16-inch WL	\$25,429,400	\$25,429,400	\$0	35.4%	\$9,002,008					
33	FM 143 16-inch WL, West Montgomery 16-inch WL	\$5,192,800	\$5,192,800	\$0	35.4%	\$1,838,251					
34	Sage Run 16-inch WL	\$1,473,500	\$1,473,500	\$0	35.4%	\$521,619					
35	Palo Alto Rd 16-inch and Noyes Rd - Senior Rd 12-inch WLS	\$6,381,200	\$6,381,200	\$0	35.4%	\$2,258,945					
36	SH-16 16-inch WL	\$3,596,700	\$3,596,700	\$0	35.4%	\$1,273,232					
37	Pleasanton Road 12-inch WL	\$3,284,400	\$3,284,400	\$0	35.4%	\$1,162,678					
38	Roosevelt Avenue 12-inch WL	\$3,667,600	\$3,667,600	\$0	35.4%	\$1,298,330					
39	Applewhite 12-inch WL	\$2,345,400	\$2,345,400	\$0	35.4%	\$830,272					
40	Hunters Pond 12-inch WL	\$1,112,000	\$1,112,000	\$0	35.4%	\$393,648					
41	Morin Road 12-inch WL	\$1,273,000	\$1,273,000	\$0	35.4%	\$450,642					
42	Stacey Road 12-inch WL	\$3,635,500	\$3,635,500	\$0	35.4%	\$1,286,967					
43	Hume Road 12-inch WL	\$2,759,800	\$2,759,800	\$0	35.4%	\$976,969					
44	Kirkner Road 12-inch WL, Stuart Road 12-inch WL	\$5,449,000	\$5,449,000	\$0	35.4%	\$1,928,946					
45	Tamaron Pass 12-inch WL	\$4,863,200	\$4,863,200	\$0	35.4%	\$1,721,573					
46	PZ 1610-East 12-inch WL	\$4,401,000	\$4,401,000	\$0	35.4%	\$1,557,954					
47	PZ 1400-West 12-inch WL (1)	\$1,915,600	\$1,915,600	\$0	35.4%	\$678,122					
48	Boerne Stage Airfield 12-inch WL	\$3,162,500	\$3,162,500	\$0	35.4%	\$1,119,525					
49	1540-West PRV and 12-inch WL	\$3,077,100	\$3,077,100	\$0	35.4%	\$1,089,293					
50	20-inch PZ 1125 WL along Stahl Road	\$2,060,500	\$2,060,500	\$0	35.4%	\$729,417					
51	Shady Falls Road 12-inch WL	\$4,797,700	\$4,797,700	\$0	35.4%	\$1,698,386					
52	Western PZ 1400-West 12-inch WL	\$6,909,100	\$6,909,100	\$0	35.4%	\$2,445,821					
53	12-inch and 16-inch Looping in Eastern PZ 1258-East	\$14,615,600	\$14,615,600	\$0	35.4%	\$5,173,922					
54	PZ 1610-East 12-inch WL (1)	\$5,010,300	\$5,010,300	\$0	35.4%	\$1,773,646					
55	PZ4-PZ4-05 12-inch WL along Five Palms, Quintana Road and PLS heading north to Farr Drive	\$200,000	\$200,000	\$0	35.4%	\$70,800					
56	PZ5-PZ5-02 16-inch WL along Evers from Callaghan Road to Wildflower	\$177,022	\$177,022	\$0	35.4%	\$62,666					

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57	PZ6-PZ6-06 12-inch WL along Lookout Road from O'Connor to Lookout Way	\$463,316	\$463,316	\$0	35.4%	\$164,014					
58	PZ8-PZ8-06 12-inch WL along PLs from Silver Pointe to Galm Road	\$493,913	\$493,913	\$0	35.4%	\$174,845					
59	PZ8 16-inch WL along Cedar Trail across Bandera Road	\$36,060	\$36,060	\$0	35.4%	\$12,765					
60	PZ9-PZ9-01 12-inch WL along Toepperwein Road from Rain Tree Path to Mia Way	\$626,133	\$626,133	\$0	35.4%	\$221,651					
61	PZ10-PZ10-01 12-inch Along Stone Oak Parkway from Ruby Run to Cibolo Canyon	\$1,372,465	\$1,372,465	\$0	35.4%	\$485,853					
62	PZ11-PZ11-03 16-inch Along PLs and W Apache Bif from State Hwy 16 to Ranch Town Tank	\$1,077,429	\$1,077,429	\$0	35.4%	\$381,410					
63	PZ 1400-West 12-inch WL	\$962,500	\$962,500	\$0	35.4%	\$340,725					
64	PZ10B-PZ10B-02 16-inch WL along CR 371 from Hwy 1283 to CR 278	\$2,225,885	\$2,225,885	\$0	35.4%	\$787,963					
65	PZ10B 16-inch WL along FM 1283 from FM 471 to CR 371	\$952,858	\$952,858	\$0	35.4%	\$337,312					
66	PZ11A-PZ11A-01 16-inch WL along existing pipe near Borgfeld Tank	\$1,695,912	\$1,695,912	\$0	35.4%	\$600,353					
67	Babcock Road to Cross Mountain Trail	\$1,057,760	\$1,057,760	\$0	35.4%	\$374,447					
68	PZ12West-PZ12A-03 16-inch WL along SH 16 N from Shadow Canyon Road to Private Road	\$3,010,463	\$3,010,463	\$0	35.4%	\$1,065,704					
69	PZ14-PZ14-02 16-inch WL along Bridlewood Trail from Boerne Stage Road to Bridle Path	\$500,469	\$500,469	\$0	35.4%	\$177,166					
70	16-inch WL along Old Fredericksburg Road from Lost Creek Gap to Fahrenthold	\$850,000	\$850,000	\$0	35.4%	\$300,900					
71	Whispering Wind Drive - Mogford to Riptide WL	\$450,000	\$1,688,694	\$1,238,694	35.4%	\$597,798	1/1/2017	9/29/2017	Closed	\$1,688,694	Scope changed for project
72	New Northeast Service Center 16-inch WL along	\$587,400	\$587,400	\$0	35.4%	\$207,940					
73	Potranco Road PZ Interconnection	\$200,000	\$200,000	\$0	35.4%	\$70,800					
74	SEP-7 "Black Willow/281 to Wild Root"	\$150,000	\$150,000	\$0	35.4%	\$53,100					
75	10 "Hunters Forest"	\$2,200,000	\$2,200,000	\$0	35.4%	\$778,800					
76	Hickory Hollow PL	\$750,000	\$750,000	\$0	35.4%	\$265,500					
77	Along Nacogdoches from O'Conner to Judson to 20-inch WL near Kings Mountain	\$3,500,000	\$3,500,000	\$0	35.4%	\$1,239,000					
78	Fair View Acres Tract	\$240,000	\$240,000	\$0	35.4%	\$84,960	7/1/2018	4/8/2019	Closed	N/A	Developer constructed, SAWS provided pipe
79	Northpoint Offices	\$500,000	\$500,000	\$0	35.4%	\$177,000	7/1/2018	4/8/2019	Closed	N/A	Developer constructed, SAWS provided pipe
80	Dietz Elkhorn 16-inch WL	\$200,000	\$200,000	\$0	35.4%	\$70,800					
81	Living Faith Church 16-inch WL	\$145,600	\$145,600	\$0	35.4%	\$51,542					
82	Westlakes Tract 1604 (Previously reported as WD FLOW)	\$2,566,720	\$2,851,312	\$284,592	35.4%	\$1,009,364	2/2/2018	2/2/2018	Closed	\$1,400,832	Difference between budget and current cost is likely developer participation
83	GOVT - Potranco Rd: Loop 1604 to HWY 211 - Bexar County is widening Potranco from 1604 to HWY 211 from 2 lanes to 5 lanes with associated drainage improvements.	\$1,020,232	\$2,484,992	\$1,464,760	35.4%	\$879,687	3/1/2014	3/2/2014	Design	\$2,484,992	
Water Delivery - Flow Total		\$252,445,736	\$256,139,673	\$3,693,937						\$6,764,309	
			<i>% change</i>	<i>1.5%</i>							

Table C: 2019-2028 CIP List of Projects and Board Approved Funding

2019 CIP PROJECT ID	2019 CIP PROJECT NAME	2019 Impact Fee Study Cost	Current Cost	Change in Project Cost	% Impact Fee Credit Eligible	\$ Impact Fee Credit Eligible	Initial Project Start	Current Project Start	Milestone	Board Approved Amount	COMMENTS
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Water Delivery - System Development

1	SS-AK - G - Verano Development - Design and build a 1.5 MG EST, & 5,000 LF of 20-inch distribution main	\$8,730,590	\$8,730,590	\$0							
2	Dietrich Rd	\$5,500,000	\$5,762,036	\$262,036			1/1/2016	8/8/2017	Design	\$1,209,026	Construction remains to be funded
4	DeZavala-PZ 7	\$5,774,500	\$6,274,780	\$500,280			1/1/2015	8/8/2018	Design	\$635,205	Construction remains to be funded
5	Replace Loma Linda Tank with SW Loop 410 Tank	\$6,256,600	\$6,991,136	\$734,536			4/3/2017	8/7/2017	Construction	\$6,991,136	
8	Turtle Creek 3 Reservoir; PZ 8 (Pumps 1 - 4)	\$19,500,000	\$18,607,601	-\$892,399			1/1/2015	7/23/2018	Design	\$8,708,243	Construction remains to be funded
9	Meadow Springs Well Field, HSPS, and GST	\$12,220,000	\$12,220,000	\$0							
11	University PS 5 MG GST	\$9,900,000	\$9,900,000	\$0							
12	Green Mountain HSPs 1-4; Elevated Storage	\$10,093,600	\$10,022,785	-\$70,815			8/7/2017	1/3/2019	Construction	\$10,022,785	
14	Wurzbach PS to University PS (PZ7 to PZ8) Water Transmission Main	\$18,828,700	\$18,397,903	-\$430,797			1/1/2015	2/29/2016	Construction	\$18,397,903	
16	Project 28 - 36/42" Waterline and Evans PS expansion	\$9,490,690	\$9,490,690	\$0							
17	Project 32. Green Mountain PS to Evans PS (PZ10 to PZ11A): 30" pipeline	\$6,078,600	\$5,123,881	-\$954,719			9/18/2017	9/18/2017	Construction	\$3,960,703	Previously mis-labeled Project 52. Difference between budget and current cost is likely developer participation
18	Micron 48-inch Water Main Extension to Anderson Tank project Phase 2	\$2,974,000	\$2,936,883	-\$37,117			1/1/2010	3/31/2016	Closed	\$5,274,534	Project started before impact study. Prior board approved amount not part of impact fee calculation.
19	Turtle Creek #3 to Medical Center Transmission Main	\$15,525,000	\$15,525,000	\$0			1/4/2018	11/26/2018	Planning	\$829,742	Partially complete; balance to be designed & constructed
20	Ladera 24-inch Transmission Main	\$2,210,900	\$2,944,829	\$733,929			5/1/2018	5/1/2018	Construction	\$1,454,206	Difference between budget and current cost is likely developer participation
21	Project 5. 30" water line along Lockhill Selma to DeZavala EST	\$13,933,040	\$13,933,040	\$0			1/1/2020	2/24/2020	Design	\$488,000	Construction remains to be funded
22	Proj 41: Highway 90: Cagnon Rd. to Luckey Ranch Main (C10-M22)	\$5,184,300	\$5,184,300	\$0							
23	Project 27. PZ4-02 Old Pearsall to Cagnon	\$2,214,740	\$5,974,170	\$3,759,430			2/2/2018	2/2/2018	Construction	\$5,040,498	Re-routed (scope change - Hwy 90: 1604 - 410)
26	Canyon Golf and Wilderness Oak	\$1,350,000	\$1,350,000	\$0			4/20/2020	4/30/2020	Design	\$355,763	Construction remains to be funded
28	Artesia Pump 1-PZ 3; 2- PZ 4	\$9,900,000	\$9,900,000	\$0							
29	Ranch Town Pump 1	\$368,740	\$368,740	\$0							
30	Micron Additional Well	\$3,803,600	\$3,803,600	\$0			5/1/2016	5/1/2016	Construction	\$2,070,132	Partially complete; balance to be designed & constructed
Water Delivery - System Development Total		\$169,837,600	\$173,441,964	\$3,604,364						\$65,437,877	
				<i>% change</i>							<i>2.1%</i>

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2019 CIP PROJECT ID	2019 CIP PROJECT NAME	2019 Impact Fee Study Cost	Current Cost	Change in Project Cost	% Impact Fee Credit Eligible	\$ Impact Fee Credit Eligible	Initial Project Start	Current Project Start	Milestone	Board Approved Amount	COMMENTS
1	C07-01	\$37,004	\$37,004	\$0	7.8%	\$2,886					
2	C63-04	\$1,166,326	\$1,166,326	\$0	3.6%	\$41,585					
3	C69-01	\$2,715,935	\$2,715,935	\$0	12.0%	\$325,912					
4	C69-04	\$1,452,586	\$1,452,586	\$0	2.5%	\$36,087	1/4/2018	4/2/2018	Design	\$345,107	Construction remains to be funded
7	Rilling Road	\$100,177,880	\$100,177,880	\$0	11.2%	\$11,188,739					
8	E-4 Bulverde: Evans to Redland	\$5,500,000	\$5,500,000	\$0	5.5%	\$304,926	1/4/2018	1/1/2019	Design	\$15,290	Construction remains to be funded
9	E-16 Wurzbach: Blanco to Nakoma	\$15,752,422	\$12,275,621	-\$3,476,801	5.2%	\$643,804	1/1/2018	3/2/2018	Construction	\$12,275,621	
10	E-74	\$6,392,332	\$4,523,200	-\$1,869,132	4.0%	\$179,058	1/1/2019	3/1/2018	Design	\$851,679	Construction remains to be funded
11	W-1 Leon Creek: Hwy 151 to Hwy 90	\$30,400,000	\$30,400,000	\$0	20.0%	\$6,080,000					
12	W-52	\$15,424,946	\$15,424,946	\$0	26.5%	\$4,084,603					
13	W-6	\$218,000,000	\$194,641,958	-\$23,358,042	19.2%	\$37,355,316	2/7/2019	2/14/2019	Construction	\$194,641,958	Difference due to construction bid amount
14	W-9	\$63,600,000	\$63,600,000	\$0	19.2%	\$12,205,991					
15	Mission Del Lago	\$3,600,000	\$3,600,000	\$0	100.0%	\$3,600,000					
16	Steubing Tract	\$2,924,705	\$2,924,705	\$0	32.7%	\$957,518					
17	Gombert Tract	\$409,500	\$409,500	\$0	53.0%	\$217,059					
18	Garcia	\$2,565,000	\$2,565,000	\$0	29.1%	\$747,657					
19	Yates Property Bulverde Tract	\$6,840,000	\$6,840,000	\$0	23.3%	\$1,595,027					
20	Fischer Tract (Revised) Tract	\$324,000	\$324,000	\$0	32.9%	\$106,687			Closed	N/A	Built by developer without SAWS participation
21	Medio M03c Ph II (Westpointe West Sewer Ph 1 - 75%)	\$2,256,000	\$1,669,323	-\$586,677	3.3%	\$54,253	7/1/2018	4/8/2019	Construction	\$1,669,323	Developer oversized project
22	Medio M04	\$3,257,000	\$3,177,981	-\$79,019	9.0%	\$286,018	7/1/2018	6/8/2020	Construction	\$3,177,981	Developer oversized project
23	Medio M17 (Westpointe West Sewer Ph 1 - 25%)	\$437,000	\$556,441	\$119,441	12.0%	\$66,773	7/1/2018	4/8/2019	Construction	\$556,441	Developer oversized project
24	Medio M18	\$2,219,000	\$2,165,164	-\$53,836	25.5%	\$552,924	7/1/2018	6/8/2020	Construction	\$2,165,164	Developer oversized project
25	Medio M19	\$4,720,000	\$4,720,000	\$0	14.0%	\$660,800					
26	Medio M20	\$801,000	\$781,567	-\$19,433	7.9%	\$61,515	7/1/2018	6/8/2020	Construction	\$781,567	Developer oversized project
27	W-2 Huebner Creek: Eckhart to Shadow Mist (Phase 1)	\$13,110,548	\$13,110,548	\$0	8.0%	\$1,048,844	9/26/2011	7/1/2015	Design	\$15,738,249	Project started before impact study. Prior board approved amount not part of impact fee calculation.
28	C_11_Alzan Creek_Misletoe to Leal	\$1,845,078	\$1,845,078	\$0	4.4%	\$82,088					
29	C-12 Donaldson Terrace	\$2,179,991	\$2,179,991	\$0	3.9%	\$85,816	11/13/2013	9/9/2013	Closed	\$10,858,719	Project started before impact fee study. Prior board approved amount not part of impact fee calculation.
30	C-3 SA Airport: McCullough and Wetmore to Basse	\$8,899,046	\$8,899,046	\$0	9.0%	\$800,914	3/16/2009	1/24/2017	Design	\$2,769,669	Construction remains to be funded
31	C-5 - Culebra/Castroville to Laredo & C-28- Zarzamora Creek/San Gabriel to NW 23rd Street Projects	\$16,400,000	\$14,666,329	-\$1,733,671	13.0%	\$1,906,623	11/7/2011	11/7/2011	Construction	\$14,666,329	Phase 3
32	Martinez Creek	\$23,126,283	\$23,126,283	\$0	7.6%	\$1,749,865					
33	E_7_Beitel Creek_Wurzbach Pkwy to Austin Hwy	\$2,033,829	\$2,033,829	\$0	13.1%	\$266,002					
34	E-19 Segment 1	\$29,022,288	\$39,446,433	\$10,424,145	20.9%	\$8,234,864	1/1/2017	2/2/2016	Construction	\$42,196,512	Difference due to construction bid amount
35	E-19 Segment 2	\$30,651,913	\$34,441,216	\$3,789,303	25.0%	\$8,610,304	1/2/2017	7/30/2018	Construction	\$34,441,216	Difference due to construction bid amount
36	E-20 Segment 1	\$38,205,224	\$31,030,562	-\$7,174,662	20.0%	\$6,206,112	1/1/2016	6/7/2016	Construction	\$31,030,562	Difference due to construction bid amount
37	E-54	\$20,481,381	\$20,481,381	\$0	17.0%	\$3,481,835					
38	Palo Alto	\$4,100,000	\$4,100,000	\$0	20.0%	\$820,000					
39	Schuchart	\$5,400,000	\$5,400,000	\$0	14.6%	\$785,705					
40	Texas Research Park	\$13,410,000	\$13,410,000	\$0	14.6%	\$1,952,496					
41	W-31	\$8,709,110	\$15,858,514	\$7,149,404	21.6%	\$3,431,402	2/26/2010	2/4/2010	Closed	\$17,346,643	Project started before impact fee study. Prior board approved amount not part of impact fee calculation.
42	E-54 Phase II	\$7,100,250	\$7,100,250	\$0	12.0%	\$852,030					
43	Helotes Creek Gravity Main and Lift Station No. 246 Elimination Project	\$18,830,670	\$18,830,670	\$0	26.5%	\$4,984,678	1/1/2016	8/17/2016	Design	\$1,144,969	Construction remains to be funded
44	C_22_Balcones Hights_Oaskdale to Babcock	\$6,612,771	\$6,612,771	\$0	17.7%	\$1,171,727					
45	C_36_Jackson Keller to Montview	\$4,443,857	\$4,443,857	\$0	32.9%	\$1,462,944					
Wastewater - Collection Total		\$745,534,876	\$728,665,895	-\$16,868,981						\$386,673,000	
				<i>% change</i>							<i>-2.3%</i>

Table C: 2019-2028 CIP List of Projects and Board Approved Funding

2019 CIP PROJECT ID	2019 CIP PROJECT NAME	2019 Impact Fee Study Cost	Current Cost	Change in Project Cost	% Impact Fee Credit Eligible	\$ Impact Fee Credit Eligible	Initial Project Start	Current Project Start	Milestone	Board Approved Amount	COMMENTS
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Wastewater - Treatment

1	Dos Rios WRC Digester Mixing Improvements	\$17,880,785	\$17,880,785	\$0	13.6%	\$2,439,985	1/27/2020	3/17/2020	Design	\$1,494,918	
2	Dos Rios WRC Tertiary Filter Expansion Project (Dos Rios)	\$8,580,000	\$8,580,000	\$0	0.0%	\$0					
3	Dos Rios WRC Control System Upgrade	\$1,426,658	\$1,426,658	\$0	13.6%	\$194,680	1/1/2019	7/14/2020	Design	\$858,983	Construction remains to be funded
4	Dos Rios WRC Electrical System Improvements - Phase 1	\$10,182,700	\$14,619,351	\$4,436,651	11.8%	\$1,722,898	8/18/2014	8/21/2014	Construction	\$15,355,722	Project started before impact fee study. Prior board approved amount not part of impact fee calculation.
5	Dos Rios WRC Electrical System Improvements - Phase 2	\$18,000,000	\$18,000,000	\$0	11.8%	\$2,121,309	1/1/2016	6/5/2017	Design	\$2,837,919	Construction remains to be funded
6	Leon Creek WRC Control System Upgrade / Replacement	\$4,500,000	\$4,500,000	\$0	0.0%	\$0	6/29/2018	9/8/2020	Design	\$5,514,256	Construction remains to be funded
7	Medio Creek WRC Plant 1 Improvements	\$18,819,917	\$18,819,917	\$0	19.0%	\$3,568,256	7/3/2017	7/3/2018	Planning	\$5,354,730	Partially complete; balance to be designed & constructed
8	Medio Creek WRC Control System Upgrade / Replacement (combine into 2020)	\$2,246,723	\$2,246,723	\$0	19.0%	\$425,979					
9	Dos Rios WRC High Rate Primary Clarifier	\$11,000,000	\$11,000,000	\$0	0.0%	\$0					
10	Dos Rios WRC Thermal Hydrolysis Project	\$22,000,000	\$22,000,000	\$0	0.0%	\$0					
11	Dos Rios WRC Electrical System Improvements - Phase 3	\$16,600,000	\$16,600,000	\$0	11.8%	\$1,956,318					
12	Dos Rios WRC Electrical System Improvements - Phase 4	\$11,750,000	\$11,750,000	\$0	11.8%	\$1,384,743					
13	Dos Rios WRC Tertiary Filter Expansion Project (Leon)	\$2,750,000	\$2,750,000	\$0	0.0%	\$0					
17	Dos Rios WRC Thickening Facility Expansion	\$4,000,000	\$7,390,607	\$3,390,607	13.6%	\$1,008,511	5/15/2017	5/9/2017	Construction	\$7,391,105	Project started before impact fee study. Prior board approved amount not part of impact fee calculation.
23	Dos Rios Headworks Enhancements	\$3,500,000	\$3,723,962	\$223,962	13.6%	\$508,166	8/31/2016	12/1/2015	Construction	\$3,723,962	
Wastewater - Collection Total		\$153,236,783	\$161,288,003	\$8,051,220						\$42,531,595	
			<i>% change</i>	<i>5.3%</i>							

Water Supply

2019	Vista Ridge Integration	\$200,000,000	\$206,056,479	\$6,056,479	32.4%	\$66,758,652	1/1/2015	11/1/2016	Construction	\$214,766,910	This includes multiple projects
2019	Vista Ridge 142 mile Pipeline/Wellfield	\$930,000,000	\$930,000,000	\$0	32.4%	\$301,303,540	4/15/2020	4/15/2020	Operational		With the commencement of the operational phase the Vista Ridge project on April 15, 2020, SAWS began paying for water made available (up to 50,000 acre-feet a year for an initial period of 30 years plus a limited extension period).
Water Supply		\$1,130,000,000	\$1,136,056,479	\$6,056,479						\$214,766,910	
			<i>% change</i>	<i>0.5%</i>							

Total	\$2,451,054,995	\$2,455,592,015	\$4,537,020	<i>% change</i>	<i>0.2%</i>						
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