

TO: Capital Improvements Advisory Committee

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

DATE: September 22, 2021

SUBJECT: September 2021 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 2021 funded CIP is approximately \$541M. The 2022 to 2026 unfunded CIPs are approximately \$507M/year. The actual 2022 to 2026 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 table shows a summary of SAWS impact fees collected and spent for impact fee eligible projects from June 2019 through July 2021.

JUN 2019 – JULY 2021	IF Collected	IF Spent
Flow	40,589,215	326,829
System Development	30,975,661	11,906,266
Collection	55,063,643	5,282,363
Treatment	24,815,308	13,699
Water Supply	102,103,208	60,509,246
Water Delivery (Recoup)	-	35,847,904
Wastewater (Recoup)	-	12,418,798
Water Supply (Recoup)	-	43,706,794
Total	253,547,035	170,011,899

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 July 2021, SAWS has collected \$1.029B 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 \$429.56M of the collected impact fees between 1993 and July 2021. 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 July 2021, SAWS has recouped \$301.55M in collected impact fees for this purpose. In total, SAWS has utilized \$731.11M of the collected impact fees as of July 2021.

SAWS is projected to spend another \$88.04M on impact fee eligible jobs currently in process and over the next 6 to 12 months, SAWS intends to recoup an additional \$34.15M 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 the reader 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
- **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 Study \$ Impact Fee Eligible : % eligible applied to impact fee study cost
- Current \$ Impact Fee Eligible : % eligible applied to current cost
- Change in \$ IF Eligible : Comparison between IF study and current eligible costs
- Projected 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 (Sept 2020) : Total approved funding for the project: includes Acquisition, Design, Construction, Project Closing and other capital expenditures. As of September 2020
- **Board Approved Amount (July 2021)** : **Total approved funding for the project: includes Acquisition, Design, Construction, Project Closing and other capital expenditures. As of July 2021**
- **Change in Board Approved Amount** : **Reflects change between September 2020 and July 2021**
- Comments : Provided to explain outlying values or unique circumstances

Special notes

- **Items in bold above relate to new or amended columns in the table**
- 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
- Projected Project Start title changed from Initial project start. This date established during planning
- Current Project Start: 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.
- Comments: New comments are added in the July 2021 report

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

2019 CIP PROJECT ID	2019 CIP PROJECT NAME	Impact Fee Study Cost	Current Cost	Change in Project Cost	% Impact Fee Eligible	Impact Fee Study \$ IF Eligible	Current \$ IF Eligible	Change in \$ IF Eligible	Projected Project Start	Current Project Start	Milestone	Board Approved Amount (Sept 2020)	Board Approved Amount (July 2021)	Change in Board Approved Amount	COMMENTS
1	Hardy Oak Blvd 30-inch WL	\$3,714,500	\$3,714,500	\$0	35.4%	\$1,314,933	\$1,314,933	\$0							
2	PZ 6 to PZ 905E Pressure Reducing Valve	\$162,500	\$162,500	\$0	35.4%	\$57,525	\$57,525	\$0							
3	FM 1604 20-inch WL	\$4,003,200	\$4,003,200	\$0	35.4%	\$1,417,133	\$1,417,133	\$0							
4	Eddie Road 16-inch WL	\$1,560,900	\$1,560,900	\$0	35.4%	\$552,559	\$552,559	\$0							
5	Pressure Zones 823 and 828 Integration	\$3,427,000	\$3,427,000	\$0	35.4%	\$1,213,158	\$1,213,158	\$0	1/1/2018	3/12/2018	Design		\$611,182	\$611,182	
6	North Foster 20-inch WL	\$2,717,700	\$2,717,700	\$0	35.4%	\$962,066	\$962,066	\$0							
7	Highway 281 16-inch WL	\$483,900	\$1,375,906	\$892,006	35.4%	\$171,301	\$487,071	\$315,770	3/1/2016	9/26/2016	Closed	\$1,375,906	\$1,375,906	\$0	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	\$1,101,613	\$0							
9	16-inch PZ 1080, PZ 994-North to PZ 999 Connections	\$6,661,900	\$6,661,900	\$0	35.4%	\$2,358,313	\$2,358,313	\$0							
10	SW Loop 410 20-inch WL	\$2,013,400	\$2,013,400	\$0	35.4%	\$712,744	\$712,744	\$0							
11	Former PZ 1380 to PZ 1400-East Connections	\$1,786,600	\$1,786,600	\$0	35.4%	\$632,456	\$632,456	\$0	1/1/2020	4/27/2020	Design		\$476,601	\$476,601	
12	Helotes Park No 2 PRV to PZ 1201 from PZ 1400	\$145,000	\$145,000	\$0	35.4%	\$51,330	\$51,330	\$0							
13	US Hwy 281 12-inch WL	\$3,391,900	\$3,391,900	\$0	35.4%	\$1,200,733	\$1,200,733	\$0							
14	Montgomery Drive 16-inch WL	\$773,200	\$773,200	\$0	35.4%	\$273,713	\$273,713	\$0							
15	Montgomery Road 16-inch WL	\$216,500	\$216,500	\$0	35.4%	\$76,641	\$76,641	\$0							
16	SH-16 12-inch WL	\$1,724,100	\$1,724,100	\$0	35.4%	\$610,331	\$610,331	\$0							
17	Zigmont Rd 12-inch WL	\$3,127,400	\$3,127,400	\$0	35.4%	\$1,107,100	\$1,107,100	\$0			Design		\$714,106	\$714,106	Under Design, working towards 30%
18	Post Oak to Oaks Dr loop, Autumn Ln loop (name changed to Primrose Oaks South Water Main Replacement)	\$3,052,600	\$3,052,600	\$0	35.4%	\$1,080,620	\$1,080,620	\$0			Design		\$981,551	\$981,551	Under Design, working towards 30%
19	Borgfeld Dr 20-inch WL	\$7,472,200	\$7,472,200	\$0	35.4%	\$2,645,159	\$2,645,159	\$0							
20	16-inch and 20-inch WL along Talley Rd and	\$5,450,400	\$5,450,400	\$0	35.4%	\$1,929,442	\$1,929,442	\$0							
21	Talley Rd 16-inch WL and 12-inch PZ 1044 PRV	\$4,196,200	\$4,196,200	\$0	35.4%	\$1,485,455	\$1,485,455	\$0	5/1/2019	7/8/2020	Design		\$183,779	\$183,779	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	\$846,308	\$0							
23	16-inch Ladera WLS	\$10,117,200	\$10,117,200	\$0	35.4%	\$3,581,489	\$3,581,489	\$0	7/17/2019	7/17/2019	Construction		\$1,495,831	\$1,495,831	Partially complete
24	PZ 1080 16-inch WLS, Lambda and Texas	\$3,050,400	\$3,050,400	\$0	35.4%	\$1,079,842	\$1,079,842	\$0							
25	Judson Rd 20-inch WL	\$1,426,500	\$1,426,500	\$0	35.4%	\$504,981	\$504,981	\$0							
26	Starcrest Dr 12-inch WL	\$1,621,300	\$1,621,300	\$0	35.4%	\$573,940	\$573,940	\$0							
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	\$3,735,337	\$0							
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	\$3,994,961	\$0							
29	Culebra Rd 16-inch WL	\$2,658,000	\$2,658,000	\$0	35.4%	\$940,932	\$940,932	\$0	10/19/2017	6/19/2019	Construction		\$2,840,471	\$2,840,471	Governmental project with TxDOT. Construction to start in January
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	\$1,339,465	\$0							
31	Blanco Rd 12-inch WLS	\$1,742,800	\$1,742,800	\$0	35.4%	\$616,951	\$616,951	\$0							
32	Jungman Rd 12-inch WLS and PZ 930 16-inch WL	\$25,429,400	\$25,429,400	\$0	35.4%	\$9,002,008	\$9,002,008	\$0							
33	FM 143 16-inch WL, West Montgomery 16-inch WL	\$5,192,800	\$5,192,800	\$0	35.4%	\$1,838,251	\$1,838,251	\$0							
34	Sage Run 16-inch WL	\$1,473,500	\$1,473,500	\$0	35.4%	\$521,619	\$521,619	\$0							
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	\$2,258,945	\$0							
36	SH-16 16-inch WL	\$3,596,700	\$3,596,700	\$0	35.4%	\$1,273,232	\$1,273,232	\$0							
37	Pleasanton Road 12-inch WL	\$3,284,400	\$3,284,400	\$0	35.4%	\$1,162,678	\$1,162,678	\$0							
38	Roosevelt Avenue 12-inch WL	\$3,667,600	\$3,667,600	\$0	35.4%	\$1,298,330	\$1,298,330	\$0							
39	Applewhite 12-inch WL	\$2,345,400	\$2,345,400	\$0	35.4%	\$830,272	\$830,272	\$0							
40	Hunters Pond 12-inch WL	\$1,112,000	\$1,112,000	\$0	35.4%	\$393,648	\$393,648	\$0							
41	Morin Road 12-inch WL	\$1,273,000	\$1,273,000	\$0	35.4%	\$450,642	\$450,642	\$0							
42	Stacey Road 12-inch WL	\$3,635,500	\$3,635,500	\$0	35.4%	\$1,286,967	\$1,286,967	\$0							
43	Hume Road 12-inch WL	\$2,759,800	\$2,759,800	\$0	35.4%	\$976,969	\$976,969	\$0							
44	Kirkner Road 12-inch WL, Stuart Road 12-inch WL	\$5,449,000	\$5,449,000	\$0	35.4%	\$1,928,946	\$1,928,946	\$0							
45	Tamaron Pass 12-inch WL	\$4,863,200	\$4,863,200	\$0	35.4%	\$1,721,573	\$1,721,573	\$0							
46	PZ 1610-East 12-inch WL	\$4,401,000	\$4,401,000	\$0	35.4%	\$1,557,954	\$1,557,954	\$0							
47	PZ 1400-West 12-inch WL (1)	\$1,915,600	\$1,915,600	\$0	35.4%	\$678,122	\$678,122	\$0							
48	Boerne Stage Airfield 12-inch WL	\$3,162,500	\$3,162,500	\$0	35.4%	\$1,119,525	\$1,119,525	\$0							
49	1540-West PRV and 12-inch WL	\$3,077,100	\$3,077,100	\$0	35.4%	\$1,089,293	\$1,089,293	\$0							
50	20-inch PZ 1125 WL along Stahl Road	\$2,060,500	\$2,060,500	\$0	35.4%	\$729,417	\$729,417	\$0							
51	Shady Falls Road 12-inch WL	\$4,797,700	\$4,797,700	\$0	35.4%	\$1,698,386	\$1,698,386	\$0							
52	Western PZ 1400-West 12-inch WL	\$6,909,100	\$6,909,100	\$0	35.4%	\$2,445,821	\$2,445,821	\$0							
53	12-inch and 16-inch Looping in Eastern PZ 1258-East	\$14,615,600	\$14,615,600	\$0	35.4%	\$5,173,922	\$5,173,922	\$0							
54	PZ 1610-East 12-inch WL (1)	\$5,010,300	\$5,010,300	\$0	35.4%	\$1,773,646	\$1,773,646	\$0							
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	\$70,800	\$0							
56	PZ5-PZ5-02 16-inch WL along Evers from Callaghan Road to Wildflower	\$177,022	\$177,022	\$0	35.4%	\$62,666	\$62,666	\$0							

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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	\$164,014	\$0							
58	PZ8-PZ8-06 12-inch WL along PLs from Silver Pointe to Galm Road	\$493,913	\$493,913	\$0	35.4%	\$174,845	\$174,845	\$0							
59	PZ8 16-inch WL along Cedar Trail across Bandera Road	\$36,060	\$36,060	\$0	35.4%	\$12,765	\$12,765	\$0							
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	\$221,651	\$0							
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	\$485,853	\$0							
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	\$381,410	\$0							
63	PZ 1400-West 12-inch WL	\$962,500	\$962,500	\$0	35.4%	\$340,725	\$340,725	\$0							
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	\$787,963	\$0							
65	PZ10B 16-inch WL along FM 1283 from FM 471 to CR 371	\$952,858	\$952,858	\$0	35.4%	\$337,312	\$337,312	\$0							
66	PZ11A-PZ11A-01 16-inch WL along existing pipe near Borgfeld Tank	\$1,695,912	\$1,695,912	\$0	35.4%	\$600,353	\$600,353	\$0							
67	Babcock Road to Cross Mountain Trail	\$1,057,760	\$1,057,760	\$0	35.4%	\$374,447	\$374,447	\$0							
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	\$1,065,704	\$0							
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	\$177,166	\$0							
70	16-inch WL along Old Fredericksburg Road from Lost Creek Gap to Fahrenthold	\$850,000	\$850,000	\$0	35.4%	\$300,900	\$300,900	\$0							
71	Whispering Wind Drive - Mogford to Riptide WL	\$450,000	\$1,823,890	\$1,373,890	35.4%	\$159,300	\$645,657	\$486,357	1/1/2017	9/29/2017	Closed	\$1,688,694	\$1,823,890	\$135,196	Scope changed for project
72	New Northeast Service Center 16-inch WL along	\$587,400	\$1,140,649	\$553,249	35.4%	\$207,940	\$403,790	\$195,850			Construction		\$1,140,649	\$1,140,649	Project Name: Judson Rd. Water Infrastructure Improvements
73	Potranco Road PZ Interconnection	\$200,000	\$200,000	\$0	35.4%	\$70,800	\$70,800	\$0							
74	SEP-7 "Black Willow/281 to Wild Root"	\$150,000	\$150,000	\$0	35.4%	\$53,100	\$53,100	\$0							
75	10 "Hunters Forest"	\$2,200,000	\$2,200,000	\$0	35.4%	\$778,800	\$778,800	\$0							
76	Hickory Hollow PL	\$750,000	\$750,000	\$0	35.4%	\$265,500	\$265,500	\$0							
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	\$1,239,000	\$0							
78	Fair View Acres Tract	\$240,000	\$240,000	\$0	35.4%	\$84,960	\$84,960	\$0	7/1/2018	4/8/2019	Closed	N/A			Part of project 79
79	Northpoint Offices	\$500,000	\$500,000	\$0	35.4%	\$177,000	\$177,000	\$0	7/1/2018	4/8/2019	Closed	N/A	\$41,236	\$41,236	Developer constructed, SAWS provided pipe
80	Dietz Elkhorn 16-inch WL	\$200,000	\$200,000	\$0	35.4%	\$70,800	\$70,800	\$0							
81	Living Faith Church 16-inch WL	\$145,600	\$145,600	\$0	35.4%	\$51,542	\$51,542	\$0			Closed		\$16,728	\$16,728	
82	Westlakes Tract 1604 (Previously reported as WD FLOW)	\$2,566,720	\$1,445,708	-\$1,121,012	35.4%	\$908,619	\$511,781	-\$396,838	2/2/2018	2/2/2018	Closed	\$1,400,832	\$1,445,708	\$44,876	
83	Potranco Road 9FM 1957) - Loop 1604 to Hwy 211	\$ 1,020,232	\$2,484,992	\$1,464,760	35.4%	\$361,162	\$879,687	\$518,525	3/1/2014	3/2/2014	Design	\$2,484,992	\$3,951,948	\$1,466,956	Name Changed to match Project management database. Project started before impact fee study.
Water Delivery - Flow Total		\$252,445,736	\$255,608,629	\$3,162,893		\$89,365,790	\$90,485,455	\$1,119,664				\$6,950,424	\$17,099,585	\$10,149,161	
		<i>% change</i>		<i>1.3%</i>		<i>% change</i>		<i>1.3%</i>							

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2019 CIP PROJECT ID	2019 CIP PROJECT NAME	Impact Fee Study Cost	Current Cost	Change in Project Cost	% Impact Fee Eligible	Impact Fee Study \$ IF Eligible	Current \$ IF Eligible	Change in \$ IF Eligible	Projected Project Start	Current Project Start	Milestone	Board Approved Amount (Sept 2020)	Board Approved Amount (July 2021)	Change in Board Approved Amount	COMMENTS
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	\$1,313,711	\$104,685	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	\$741,137	\$105,933	Construction remains to be funded
5	Replace Loma Linda Tank with SW Loop 410 Tank	\$6,256,600	\$7,597,185	\$1,340,585					4/3/2017	8/7/2017	Construction	\$6,991,136	\$7,597,185	\$606,049	Cost increase due to change in scope
8	Turtle Creek 3 Reservoir; PZ 8 (Pumps 1 - 4)	\$19,500,000	\$18,607,601	-\$892,399					1/1/2015	7/23/2018	Construction	\$8,708,243	\$9,179,407	\$471,164	Partially constructed; Primary Pump Station under design
9	Meadow Springs Well Field, HSPS, and GST	\$12,220,000	\$12,220,000	\$0							Design		\$7,022	\$7,022	
11	University PS 5 MG GST	\$9,900,000	\$9,900,000	\$0					1/1/2020	9/14/2020	Design		\$618,203	\$618,203	
12	Green Mountain HSPs 1-4; Elevated Storage	\$10,093,600	\$10,681,553	\$587,953					8/7/2017	1/3/2019	Construction	\$10,022,785	\$10,681,553	\$658,768	
14	Wurzbach PS to University PS (PZ7 to PZ8) Water Transmission Main	\$18,828,700	\$19,813,229	\$984,529					1/1/2015	2/29/2016	Construction	\$18,397,903	\$19,813,229	\$1,415,325	
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	Closed	\$3,960,703	\$4,097,387	\$136,684	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	\$5,827,329	\$552,794	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	Design	\$829,742	\$2,155,020	\$1,325,278	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	\$1,495,831	\$41,624	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	\$584,830	\$96,830	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	\$5,090,197	\$49,699	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	\$394,874	\$39,111	Construction remains to be funded
28	Artesia Pump 1-PZ 3; 2- PZ 4	\$9,900,000	\$9,900,000	\$0					1/7/2021	1/30/2019	Design		\$2,434,570	\$2,434,570	
29	Ranch Town Pump 1	\$368,740	\$368,740	\$0					9/15/2020	9/14/2020	Design		\$641,169	\$641,169	
30	Micron Additional Well	\$3,803,600	\$3,803,600	\$0					5/1/2016	5/1/2016	Construction	\$2,070,132	\$2,718,323	\$648,191	Partially complete; balance to be designed & constructed
Water Delivery - System Development Total		\$169,837,600	\$176,122,107	\$6,284,507								\$65,437,877	\$75,390,977	\$9,953,100	
			<i>% change</i>	<i>3.7%</i>											

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

2019 CIP PROJECT ID	2019 CIP PROJECT NAME	Impact Fee Study Cost	Current Cost	Change in Project Cost	% Impact Fee Eligible	Impact Fee Study \$ IF Eligible	Current \$ IF Eligible	Change in \$ IF Eligible	Projected Project Start	Current Project Start	Milestone	Board Approved Amount (Sept 2020)	Board Approved Amount (July 2021)	Change in Board Approved Amount	COMMENTS
1	C07-01	\$37,004	\$37,004	\$0	7.8%	\$2,886	\$2,886	\$0							
2	C63-04	\$1,166,326	\$1,166,326	\$0	3.6%	\$41,585	\$41,585	\$0							
3	C69-01	\$2,715,935	\$2,715,935	\$0	12.0%	\$325,912	\$325,912	\$0							
4	C69-04 (C-69 South Zarzamora Street Sewer Upsize and Relief)	\$1,452,586	\$1,452,586	\$0	2.5%	\$36,087	\$36,087	\$0	1/4/2018	4/2/2018	Construction	\$345,107	\$3,417,564	\$3,072,457	
7	Rilling Road	\$100,177,880	\$100,177,880	\$0	11.2%	\$11,188,739	\$11,188,739	\$0			Design		\$5,059,616	\$5,059,616	
8	E-4: Bulverde: Evans to Redland	\$5,500,000	\$10,813,573	\$5,313,573	5.5%	\$304,926	\$599,517	\$294,591	1/4/2018	1/1/2019	Construction	\$15,290	\$10,813,573	\$10,798,283	
9	E-16: Wurzbach: Blanco to Nakoma	\$15,752,422	\$12,954,878	-\$2,797,544	5.2%	\$826,147	\$679,428	-\$146,719	1/1/2018	3/2/2018	Construction	\$12,275,621	\$12,954,878	\$679,256	
10	E-74: Rosillo Creek Sewer Project	\$6,392,332	\$4,523,200	-\$1,869,132	4.0%	\$253,050	\$179,058	-\$73,992	1/1/2019	3/1/2018	Construction	\$851,679	\$1,070,334	\$218,655	
11	W-1: Leon Creek: Hwy 151 to Hwy 90	\$30,400,000	\$40,237,531	\$9,837,531	20.0%	\$6,080,000	\$8,047,506	\$1,967,506	7/1/2015	12/22/2015	Construction		\$40,237,531	\$40,237,531	
12	W-52: Culebra Creek Sewer Capacity Relief	\$15,424,946	\$15,424,946	\$0	26.5%	\$4,084,603	\$4,084,603	\$0							
13	W-6: Upper Segment: Hwy 90 to SW Military drive Sewer Main	\$218,000,000	\$195,946,177	-\$22,053,823	19.2%	\$41,838,147	\$37,605,619	-\$4,232,528	2/7/2019	2/14/2019	Construction	\$194,641,958	\$195,946,177	\$1,304,219	
14	W-9: Upper Leon Creek Sewer Capacity Storage and Relief	\$63,600,000	\$63,600,000	\$0	19.2%	\$12,205,991	\$12,205,991	\$0							
15	Mission Del Lago	\$3,600,000	\$4,838,515	\$1,238,515	100.0%	\$3,600,000	\$4,838,515	\$1,238,515	4/17/2017	3/19/2018	Closed		\$4,838,515	\$4,838,515	
16	Steubing Tract	\$2,924,705	\$6,422,450	\$3,497,745	32.7%	\$957,518	\$2,102,644	\$1,145,126	8/28/2017	3/12/2018	Construction		\$6,422,450	\$6,422,450	
17	Gombert Tract	\$409,500	\$409,500	\$0	53.0%	\$217,059	\$217,059	\$0							
18	Garcia	\$2,565,000	\$2,565,000	\$0	29.1%	\$747,657	\$747,657	\$0							
19	Yates Property Bulverde Tract	\$6,840,000	\$6,840,000	\$0	23.3%	\$1,595,027	\$1,595,027	\$0							
20	Fischer Tract (Revised) Tract	\$324,000	\$324,000	\$0	32.9%	\$106,687	\$106,687	\$0			Closed				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%	\$73,320	\$54,253	-\$19,067	7/1/2018	4/8/2019	Construction	\$1,669,323	\$1,669,323	\$0	Developer oversized project
22	Medio M04	\$3,257,000	\$3,177,981	-\$79,019	9.0%	\$293,130	\$286,018	-\$7,112	7/1/2018	6/8/2020	Construction	\$3,177,981	\$3,177,981	\$0	Developer oversized project
23	Medio M17 (Westpointe West Sewer Ph 1 - 25%)	\$437,000	\$556,441	\$119,441	12.0%	\$56,441	\$66,773	\$14,333	7/1/2018	4/8/2019	Construction	\$556,441	\$556,441	\$0	Developer oversized project
24	Medio M18	\$2,219,000	\$2,165,164	-\$53,836	25.5%	\$566,672	\$552,924	-\$13,748	7/1/2018	6/8/2020	Construction	\$2,165,164	\$2,165,164	\$0	Developer oversized project
25	Medio M19	\$4,720,000	\$4,720,000	\$0	14.0%	\$660,800	\$660,800	\$0							
26	Medio M20	\$801,000	\$781,567	-\$19,433	7.9%	\$63,044	\$61,515	-\$1,530	7/1/2018	6/8/2020	Construction	\$781,567	\$781,567	\$0	Developer oversized project
27	W-2 Huebner Creek: Eckhart to Shadow Mist (Phase 1)	\$13,110,548	\$14,439,967	\$1,329,419	8.0%	\$1,048,844	\$1,155,197	\$106,354	9/26/2011	7/1/2015	Design	\$1,425,143	\$14,439,967	\$13,014,824	
28	C_11_Alzan Creek_Misletoe to Leal	\$1,845,078	\$1,845,078	\$0	4.4%	\$82,088	\$82,088	\$0							
29	C-12 Donaldson Terrace	\$2,179,991	\$2,179,991	\$0	3.9%	\$85,816	\$85,816	\$0	11/13/2013	9/9/2013	Closed	\$10,858,719	\$11,111,871	\$253,152	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	\$800,914	\$0	3/16/2009	1/24/2017	Construction	\$2,769,669	\$24,386,778	\$21,617,109	Project started prior to impact fee study period
31	C-5 - Culebra/Castroville to Laredo & C-28- Zarzamora Creek/San Gabriel to NW 23rd Street Projects	\$16,400,000	\$15,492,037	-\$907,963	13.0%	\$2,132,000	\$2,013,965	-\$118,035	11/7/2011	11/7/2011	Construction	\$14,666,329	\$15,492,037	\$825,709	Phase 3
32	Martinez Creek	\$23,126,283	\$24,416,698	\$1,290,415	7.6%	\$1,749,865	\$1,847,505	\$97,640	7/1/2015	12/1/2015	Construction		\$24,416,698	\$24,416,698	Construction Completed
33	E_7_Beitel Creek_Wurzbach Pkwy to Austin Hwy	\$2,033,829	\$2,033,829	\$0	13.1%	\$266,002	\$266,002	\$0							
34	E-19 Segment 1	\$29,022,288	\$43,274,847	\$14,252,559	20.9%	\$6,058,713	\$9,034,087	\$2,975,374	1/1/2017	2/2/2016	Construction	\$42,196,512	\$43,274,847	\$1,078,335	Difference: actual construction cost and IF Study Estimate
35	E-19 Segment 2	\$30,651,913	\$35,844,634	\$5,192,721	25.0%	\$7,662,978	\$8,961,158	\$1,298,180	1/2/2017	7/30/2018	Construction	\$34,441,216	\$35,844,634	\$1,403,418	Difference: actual construction cost and IF Study Estimate
36	E-20 Segment 1	\$38,205,224	\$32,134,146	-\$6,071,078	20.0%	\$7,641,045	\$6,426,829	-\$1,214,216	1/1/2016	6/7/2016	Construction	\$31,030,562	\$32,134,146	\$1,103,583	Difference: actual construction cost and IF Study Estimate
37	E-54	\$20,481,381	\$20,481,381	\$0	17.0%	\$3,481,835	\$3,481,835	\$0							Project split into two, LS & Pipeline
38	Palo Alto	\$4,100,000	\$4,100,000	\$0	20.0%	\$820,000	\$820,000	\$0							
39	Schuchart	\$5,400,000	\$5,400,000	\$0	14.6%	\$785,705	\$785,705	\$0							
40	Texas Research Park	\$13,410,000	\$13,410,000	\$0	14.6%	\$1,952,496	\$1,952,496	\$0							
41	W-31	\$8,709,110	\$15,858,514	\$7,149,404	21.6%	\$1,884,443	\$3,431,402	\$1,546,960	2/26/2010	2/4/2010	Closed	\$17,346,643	\$19,792,593	\$2,445,949	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	\$852,030	\$0							
43	Helotes Creek Gravity Main and Lift Station #246 Elimination	\$18,830,670	\$18,830,670	\$0	26.5%	\$4,984,678	\$4,984,678	\$0	1/1/2016	8/17/2016	Design	\$1,144,969	\$1,685,557	\$540,588	Construction remains to be funded
44 & 45	Small Capacity Constraints	\$6,612,771	\$6,612,771	\$0	23.8%	\$1,573,839	\$1,573,839	\$0			Design		\$1,202,457	\$1,202,457	Scope included in the 2019 Small Capacity Constraint I Project
Wastewater - Collection Total		\$745,534,876	\$760,317,692	\$14,782,816	2.0%	\$131,447,666	\$136,305,297	\$4,857,631				\$372,359,894	\$512,892,699	\$140,532,805	

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1	Dos Rios WRC Digester Mixing Improvements	\$17,880,785	\$17,880,785	\$0	13.6%	\$2,439,985	\$2,439,985	\$0	1/27/2020	3/17/2020	Design	\$1,494,918	\$1,599,705	\$104,787	Construction remains to be funded, 2022
2	Dos Rios WRC Tertiary Filter Expansion Project (Dos Rios)	\$8,580,000	\$8,580,000	\$0	0.0%	\$0	\$0	\$0							
3	Dos Rios WRC Control System Upgrade	\$1,426,658	\$1,426,658	\$0	13.6%	\$194,680	\$194,680	\$0	1/1/2019	7/14/2020	Design	\$858,983	\$1,125,906	\$266,923	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%	\$1,200,036	\$1,722,898	\$522,862	8/18/2014	8/21/2014	Closed	\$15,355,722	\$17,322,480	\$1,966,758	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	\$2,121,309	\$0	1/1/2016	6/5/2017	Design	\$2,837,919	\$3,172,672	\$334,752	Construction remains to be funded; Project split into two packages (2 & 2A)
6	Leon Creek WRC Electrical System Improvements Phase I	\$4,500,000	\$5,888,076	\$1,388,076	0.0%	\$0	\$0	\$0	6/29/2018	9/8/2020	Construction	\$5,514,256	\$5,888,076	\$373,820	Under Construction
7	Medio Creek WRC Plant 1 Improvements	\$18,819,917	\$18,819,917	\$0	19.0%	\$3,568,256	\$3,568,256	\$0	7/3/2017	7/3/2018	Construction	\$5,354,730	\$5,651,364	\$296,634	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	\$425,979	\$0							
9	Dos Rios WRC High Rate Primary Clarifier	\$11,000,000	\$11,000,000	\$0	0.0%	\$0	\$0	\$0	3/12/2019	3/12/2019					
10	Dos Rios WRC Thermal Hydrolysis Project	\$22,000,000	\$22,000,000	\$0	0.0%	\$0	\$0	\$0							
11	Dos Rios WRC Electrical System Improvements - Phase 3	\$16,600,000	\$16,600,000	\$0	11.8%	\$1,956,318	\$1,956,318	\$0							Design Planned for 2022/2023
12	Dos Rios WRC Electrical System Improvements - Phase 4	\$11,750,000	\$11,750,000	\$0	11.8%	\$1,384,743	\$1,384,743	\$0							
13	Dos Rios WRC Tertiary Filter Expansion Project (Leon)	\$2,750,000	\$2,750,000	\$0	0.0%	\$0	\$0	\$0							
17	Dos Rios WRC Thickening Facility Expansion	\$4,000,000	\$8,013,899	\$4,013,899	13.6%	\$545,834	\$1,093,564	\$547,731	5/15/2017	5/9/2017	Construction	\$7,391,105	\$8,013,899	\$622,794	Project started before impact fee study. Prior board approved amount not part of impact fee calculation.
23	Dos Rios Headworks Enhancements	\$3,500,000	\$4,304,813	\$804,813	13.6%	\$477,605	\$587,428	\$109,824	8/31/2016	12/1/2015	Construction	\$3,723,962	\$4,304,813	\$580,851	
Wastewater - Collection Total		\$153,236,783	\$163,880,223	\$10,643,440		\$14,314,745	\$15,495,161	\$1,180,416				\$42,531,595	\$47,078,916	\$4,547,321	
		<i>% change</i>		<i>6.9%</i>		<i>% change</i>		<i>8.2%</i>							
2019	Vista Ridge Integration	\$200,000,000	\$206,056,479	\$6,056,479	32.4%	\$64,796,460	\$66,758,652	\$1,962,192	1/1/2015	11/1/2016	Construction	\$214,766,910	\$220,646,162	\$5,879,252	This includes multiple projects with the operational phase of the vista ridge project commencing 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).
2019	Vista Ridge 142 mile Pipeline/Wellfield	\$930,000,000	\$930,000,000	\$0	32.4%	\$301,303,540	\$301,303,540	\$0	4/15/2020	4/15/2020	Operational				
Water Supply		\$1,130,000,000	\$1,136,056,479	\$6,056,479		\$388,773,480	\$392,573,643	\$3,800,162				\$214,766,910	\$220,646,162	\$5,879,252	
		<i>% change</i>		<i>0.5%</i>		<i>% change</i>		<i>1.0%</i>							
Grand Totals		\$2,451,054,995	\$2,491,985,129	\$40,930,135		\$623,901,682	\$634,859,555	\$10,957,873				\$702,046,700	\$873,108,338	\$171,061,639	24.4%
				<i>1.7%</i>				<i>1.8%</i>							