

ARCH CAPE WATER & SANITARY DISTRICTS BUDGET  
COMMITTEE - FISCAL 2019 – 2020

3 May 2019

The following members were present on behalf of their respective districts.

Water District: Ron Schiffman, Director – President  
Debra Birkby, Director – Vice President & Treasurer  
Virginia Birkby, Director – Vice-President  
Linda Murray, Director  
Dan Seifer, Director  
Cathy D’Onofrio, Arch Cape Community  
Richard D’Onofrio, Arch Cape Community  
Carl Matson, Arch Cape Community

Excused Absent: Heather Newman, Arch Cape Community  
Chris Anderson, Arch Cape Community

Sanitary District: Ron Schiffman, Director – President  
Virginia Birkby, Director – Vice-President  
Debra Birkby, Director - Treasurer  
Casey Short, Director  
Darr Tindall, Director  
Cathy D’Onofrio, Arch Cape Community  
Richard D’Onofrio, Arch Cape Community  
Carl Matson, Arch Cape Community

Excused Absent: Heather Newman, Arch Cape Community  
Chris Anderson, Arch Cape Community

Public: Rick Gardner  
Cathy Gardner

Staff: Phil Chick, District Manager  
Steve Hill, Secretary

The Budget Committee Chairman Mr. Casey Short opened the meeting at 4:04pm.

**April 19<sup>th</sup> Budget Committee Minutes:** On page 2 change, ... “reflecting \$50K per year watershed expenditures from 2010-21 through ....” to “reflecting \$50K watershed expenditure for 2010-21. “ .Ms. Tindall moved approval of the minutes as amended which was seconded by Mr. Schiffman. All in favor. Motion carried.

Mr. Rick Gardner expressed his concern for the implications of ongoing high level of expense for the watershed and to fully understand where the board was headed with this possible acquisition. He wanted to know what if anything was being committed to.

### **Consideration of Proposed 2019-20 Water District Budget:**

**Watershed Expense:** A general discussion ensued on what level of expense if any should be reflected for the watershed. It was expressed that any information received from reports or documents related to the property which identify potential revenues and expenditures relating to the watershed should only be discussed in executive session. It was additionally pointed out that for the public record there should be access to non-confidential information that wasn't otherwise protected by the confidentiality agreement entered into with EFM.

Mr. Chick pointed out that the \$35K shown for watershed expense in 2019-20 is to complete the work which was begun in 2018-19 to include an appraisal of the acquisition under consideration for the Arch Cape Community Forest. He further said that at this time we did not know what operating revenues and expenses should be projected for the watershed.

Mr. Schiffman moved that we strike reference to watershed expense entirely which was seconded by Ms. Virginia Birkby.

Mr. Schiffman took a personal break from the meeting and Mr. Short called for a five minute recess at 4:37pm. The meeting was reconvened at 4:42pm

**Water District:** The Recommended Version 2 of the proposed budget from staff was reviewed with the following actions taken.

- Excess revenue moved to \$29K
- Watershed expenditure set to \$40K

For the LRFP the following adjustments were recommended.

- Dropping the projection of \$50K watershed expenditures thru 2028-29
- Elimination of the third comparison option shown at the bottom of the rate projection sheet.

Mr. Seifer moved that excess revenue be changed from \$24K to \$29K and that watershed expenditure be set at \$40K from \$35K which was seconded by Ms. Tindall. All in favor. Motion carried.

**2019-20 Water District Budget Public Hearing:** Mr. Short opened the public hearing at 5:05pm to take comments or questions from the public and hearing none closed the hearing at 5:07pm.

### **Consideration of Proposed 2019-20 Sanitary District Budget:**

**General discussion:** Advancement in timing of the membrane replacement and Webb lift station rebuild were reported as driving the adjustments needed to this years budget as well as for the LRFP resulting in higher than previously projected rate increases.



An earlier ramp up in rates covering expected expenses versus the lowering of immediate rate increases and paying debt service expense in future years was discussed.

A desire was expressed for establishing a commercial rate structure for short term rental properties and other commercial customers.

Ms. Virginia Birkby moved that a recommendation be made to the board for consideration of such a commercial rate structure to begin in September of this year which was seconded by Mr. Richard D'Onofrio. All in favor. Motion carried.

**Low Income Utility Rate Discounts:** Mr. Chick reported that reduced amounts customers would pay for utility services had been arranged at a number of other districts.

While not giving a direct discount, the Tillamook PUD worked through the Community Action Resources Enterprises organization as did Pacific Power through Clatsop Community Action which offers some financial support reducing what customers paid for utilities. These were volunteer programs not directly administered by the utility districts. Garibaldi, however, had a donation based program which provided for a \$15 dollar discount from a \$50 sewer bill.

**Lower Loan Rates:** Mr. Chick said there was the potential of receiving a 1% versus a 4% ten year loan for just the Webb lift station work if corresponded with a watershed purchase loan to secure any gap funding needed, under the "Sponsorship Option" of the Clean Water State Revolving Loan Fund.

**Sanitary District:** The Recommended Version 2 of the proposed budget from staff was reviewed with the following actions taken.

- Reflect 8% of user fees projected for excess revenues resulting in \$21K set in place of \$15K.
- Movement of undesignated monies from \$26K to \$5K by moving the difference to contingency at \$40K.

The LRF was considered.

Mr. Schiffman moved approval of the 'rates only' version of the LRF which was seconded by Ms. Tindall. All in favor. Motion carried.

**2019-20 Sanitary District Budget Public Hearing:** Mr. Short opened the public hearing at 5:48pm to take comments or questions from the public and hearing none closed the hearing at 5:50pm.

All changes to be reflected in new updated budgets shown as FINAL ver3 and revised long range financial plans for further consideration.

The meeting was recessed by Mr. Casey Short at 5:58pm to be reconvened at 5:00pm May 17, 2019.

Respectfully submitted,



Steve Hill

Attest



Mr. Casey Short, Committee Chairman



**Arch Cape  
Rate Projections  
FY 2019-20 Budget Cycle**

**WD & SD Rates only**

	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2033-34
<b>LRFP Blended Rates :</b>													
Water Qtrly Rate	140	160	163	166	169	172	175	179	183	187	191	195	215
Sanitary Qtrly Rate	215	215	234	253	271	276	282	288	294	294	294	294	324
Water Rate % Chg		14%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Sanitary Rate % Chg			9%	8%	7%	2%	2%	2%	2%	2%	2%	2%	2%
Water Qtrly Rate : Annual \$	\$ 560	\$ 640	\$ 652	\$ 664	\$ 676	\$ 688	\$ 700	\$ 716	\$ 732	\$ 748	\$ 764	\$ 780	
Sanitary Qtrly Rate : Annual \$	\$ 860	\$ 860	\$ 936	\$ 1,012	\$ 1,084	\$ 1,104	\$ 1,128	\$ 1,152	\$ 1,176	\$ 1,176	\$ 1,176	\$ 1,176	
Total Yearly Utility Cost	\$ 1,420	\$ 1,500	\$ 1,588	\$ 1,676	\$ 1,760	\$ 1,792	\$ 1,828	\$ 1,868	\$ 1,908	\$ 1,924	\$ 1,940	\$ 1,956	
Total Annual % Chg		6%	6%	6%	5%	2%	2%	2%	2%	1%	1%	1%	1%

**WD Rates Only & SD Loans w/ \$254K interest expense**

	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2033-34
<b>LRFP Blended Rates :</b>													
Water Qtrly Rate	140	160	163	166	169	172	175	179	183	187	191	195	215
Sanitary Qtrly Rate	215	215	224	233	242	252	262	272	283	294	306	318	387
Water Rate % Chg		14%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Sanitary Rate % Chg			4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Water Qtrly Rate : Annual \$	\$ 560	\$ 640	\$ 652	\$ 664	\$ 676	\$ 688	\$ 700	\$ 716	\$ 732	\$ 748	\$ 764	\$ 780	
Sanitary Qtrly Rate : Annual \$	\$ 860	\$ 860	\$ 896	\$ 932	\$ 968	\$ 1,008	\$ 1,048	\$ 1,088	\$ 1,132	\$ 1,176	\$ 1,224	\$ 1,272	
Total Yearly Utility Cost	\$ 1,420	\$ 1,500	\$ 1,548	\$ 1,596	\$ 1,644	\$ 1,696	\$ 1,748	\$ 1,804	\$ 1,864	\$ 1,924	\$ 1,988	\$ 2,052	
Total Annual % Chg		6%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%

**WD Loans w/ \$107K interest expense & SD Loans w/ \$254K interest expense**

	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2033-34
<b>LRFP Blended Rates :</b>													
Water Qtrly Rate	140	160	163	168	173	178	183	188	194	200	206	212	228
Sanitary Qtrly Rate	215	215	224	233	242	252	262	272	283	294	306	318	387
Water Rate % Chg		14%	2%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Sanitary Rate % Chg			4%	4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Water Qtrly Rate : Annual \$	\$ 560	\$ 640	\$ 652	\$ 672	\$ 692	\$ 712	\$ 732	\$ 752	\$ 776	\$ 800	\$ 824	\$ 848	
Sanitary Qtrly Rate : Annual \$	\$ 860	\$ 860	\$ 896	\$ 932	\$ 968	\$ 1,008	\$ 1,048	\$ 1,088	\$ 1,132	\$ 1,176	\$ 1,224	\$ 1,272	
Total Yearly Utility Cost	\$ 1,420	\$ 1,500	\$ 1,548	\$ 1,604	\$ 1,660	\$ 1,720	\$ 1,780	\$ 1,840	\$ 1,908	\$ 1,976	\$ 2,048	\$ 2,120	
Total Annual % Chg		6%	3%	4%	3%	4%	3%	3%	4%	4%	4%	4%	4%

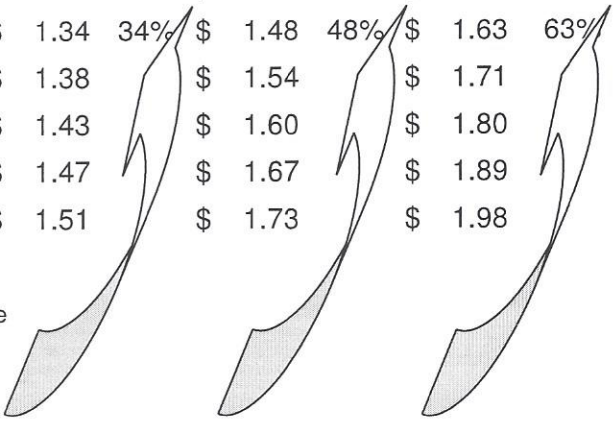
Inflation Rate

1%	2%	3%	4%	5%
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Orig Cost \$ 1.00

Year 1	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00	\$ 1.00
Year 2	\$ 1.01	\$ 1.02	\$ 1.03	\$ 1.04	\$ 1.05
Year 3	\$ 1.02	\$ 1.04	\$ 1.06	\$ 1.08	\$ 1.10
Year 4	\$ 1.03	\$ 1.06	\$ 1.09	\$ 1.12	\$ 1.16
Year 5	\$ 1.04	\$ 1.08	\$ 1.13	\$ 1.17	\$ 1.22
Year 6	\$ 1.05	\$ 1.10	\$ 1.16	\$ 1.22	\$ 1.28
Year 7	\$ 1.06	\$ 1.13	\$ 1.19	\$ 1.27	\$ 1.34
Year 8	\$ 1.07	\$ 1.15	\$ 1.23	\$ 1.32	\$ 1.41
Year 9	\$ 1.08	\$ 1.17	\$ 1.27	\$ 1.37	\$ 1.48
Year 10	\$ 1.09	\$ 1.20	\$ 1.30	\$ 1.42	\$ 1.55
Year 11	\$ 1.10	\$ 1.22	\$ 1.34	\$ 1.48	\$ 1.63
Year 12	\$ 1.12	\$ 1.24	\$ 1.38	\$ 1.54	\$ 1.71
Year 13	\$ 1.13	\$ 1.27	\$ 1.43	\$ 1.60	\$ 1.80
Year 14	\$ 1.14	\$ 1.29	\$ 1.47	\$ 1.67	\$ 1.89
Year 15	\$ 1.15	\$ 1.32	\$ 1.51	\$ 1.73	\$ 1.98

Percentage increase at the end of a 10 Year Period



**ARCH CAPE WATER & SANITARY DISTRICTS  
HISTORICAL RATE REVIEW**

Water : Qtrly 3/4"	Qrtly	Qrtly	Total	% Inc	Annual Cost
	Base Rate	Surcharge	Qrtly		
Jul 1993	\$48.00	\$0.00	\$48.00		\$192.00
Jul 1998	\$66.00	\$21.00	\$87.00	81%	\$348.00
Jul 2002	\$105.00	\$21.00	\$126.00	45%	\$504.00
May 2008	\$132.00	\$21.00	\$153.00	21%	\$612.00
Jul 2011	\$141.00	\$47.00	\$188.00	23%	\$752.00
Jul 2012	\$123.00	\$47.00	\$170.00	(10%)	\$680.00
Jul 2016	\$121.00	\$19.00	\$140.00	(18%)	\$560.00
Jul 2018	\$141.00	\$19.00	\$160.00	14%	\$640.00

Sanitary	Qrtly	Qrtly	Total	% Inc	Annual Cost
	Base Rate	Surcharge	Qrtly		
Jul 1993	\$66.00	\$0.00	\$66.00		\$264.00
Jul 2000	\$81.00	\$0.00	\$81.00	23%	\$324.00
Jul 2004	\$105.00	\$21.00	\$126.00	56%	\$504.00
May 2008	\$147.00	\$12.00	\$159.00	26%	\$636.00
Jul 2011	\$153.00	\$27.00	\$180.00	13%	\$720.00
Jul 2012	\$153.00	\$41.00	\$194.00	8%	\$776.00
Jul 2016	\$174.00	\$41.00	\$215.00	11%	\$860.00
Jul 2018	\$174.00	\$41.00	\$215.00	0%	\$860.00

Total Annual Cost WD & SD	Qrtly	Qrtly	Total	% Inc	Annual Cost
	Base Rate	Surcharge	Qrtly		
Jul 1993	\$114.00	\$0.00	\$114.00		\$456.00
Jul 2000	\$147.00	\$21.00	\$168.00	47%	\$672.00
Jul 2004	\$210.00	\$42.00	\$252.00	50%	\$1,008.00
May 2008	\$279.00	\$33.00	\$312.00	24%	\$1,248.00
Jul 2011	\$294.00	\$74.00	\$368.00	18%	\$1,472.00
Jul 2012	\$276.00	\$88.00	\$364.00	(1%)	\$1,456.00
Jul 2016	\$295.00	\$60.00	\$355.00	(2%)	\$1,420.00
Jul 2018	\$315.00	\$60.00	\$375.00	6%	\$1,500.00



**ARCH CAPE WATER DISTRICT  
FY 2019-20 BUDGET  
GENERAL FUND**

2016-17 ACTUAL	2017-18 ACTUAL	2018-19 ADOPTED	2018-19 EOY PROJ	WATER RESOURCES	2019-20 PROP (ver1)	2019-20 RECOM (ver2)	2019-20 FINAL (ver3)
<b>BEGINNING BALANCE</b>							
57,205	92,771	76,597	112,809	Undesignated Balance	83,861	83,861	
		31,488		Capital Reserve			
				Operating Reserve	55,083	55,083	
				2018-19 Transfer to Capital Reserve			
<b>57,205</b>	<b>92,771</b>	<b>108,085</b>	<b>112,809</b>	<b>TOTAL BEGINNING BALANCE</b>	<b>138,944</b>	<b>138,944</b>	
<b>REVENUE</b>							
133,288	138,268	161,924	162,275	User Fees	166,510	166,510	
25,219	38,341	26,000	30,446	Excess Usage Charges	24,000	24,000	
20,862	21,698	21,820	22,716	Debt Service Surcharges	21,970	21,970	
122,641	125,515	124,722	131,407	Sanitary District IGA <sup>1</sup> Service Charge	140,368	140,368	
469	860	800	1,500	Interest	900	900	
4,540	5,442		9,862	Miscellaneous			
2,100	0	1,400	1,400	Meter Hookup Fee	1,400	1,400	
				Sale of Truck			
648	667	700	375	Cannon Beach IGA			
			1,797	Cannon View Park	700	700	
<b>309,766</b>	<b>330,791</b>	<b>337,366</b>	<b>361,777</b>	<b>TOTAL REVENUE</b>	<b>355,848</b>	<b>355,849</b>	
<b>366,971</b>	<b>423,562</b>	<b>445,451</b>	<b>474,586</b>	<b>TOTAL RESOURCES</b>	<b>494,792</b>	<b>494,793</b>	

Received	Water District Accounts	Base Rate
99%	292	\$144.00
		166,510
	Debt Svc Rate	
	292	\$19.00
		21,970

1/ Intergovernmental Agreement

Total Rate **\$163.00**

**ARCH CAPE WATER DISTRICT  
FY 2019-20 BUDGET  
GENERAL FUND**

2016-17 ACTUAL	2017-18 ACTUAL	2018-19 ADOPTED	2018-19 EOY PROJ	WATER REQUIREMENTS		2019-20 PROP (ver1)	2019-20 RECOM (ver2)	2019-20 FINAL (ver3)
<b>PERSONNEL SERVICES</b>								
68,581	71,324	74,176	74,176	Manager		76,179	76,179	
47,794	49,525	52,998	51,666	Operator		55,184	55,184	
8,903	9,983	9,783	9,627	FICA		10,049	10,049	
10,637	11,783	11,688	11,671	PERS		14,200	14,200	
26,193	35,799	38,500	35,780	Medical Insurance		37,428	37,428	
3,094	3,150	2,800	3,133	Worker's Compensation		3,500	3,500	
<b>165,201</b>	<b>181,565</b>	<b>189,945</b>	<b>186,053</b>	<b>TOTAL Personnel Services</b>		<b>196,540</b>	<b>196,540</b>	
<b>MATERIALS &amp; SERVICES</b>								
26,784	27,588	27,588	27,588	Administrative Services		28,416	28,416	
1,173	2,940	6,000	5,853	Temporary Help		12,000	12,000	
577	648	650	681	Clothing Allowance		700	700	
2,200	1,963	2,000	549	Education		2,000	2,000	
1,927	645	2,000	995	Travel		2,000	2,000	
1,042	1,124	1,200	1,949	Office Supplies		1,500	1,500	
1,238	1,326	1,420	2,100	Postage		1,600	1,600	
4,014	3,479	4,000	2,565	Vehicle		3,000	3,000	
3,300	2,925	3,600	3,225	Sanitary District Facilities Use Charges		3,600	3,600	
500	525	525	525	Payroll Service		551	551	
5,583	4,708	5,660	5,666	Liability & Property Insurance		6,063	6,063	
3,672	190	1,000	1,055	Licenses		2,000	2,000	
13,554	17,960	21,000	23,616	Maintenance		21,000	21,000	
4,244	3,343	5,000	4,708	Chemicals		5,000	5,000	
0	1,938	55,000	25,572	Watershed		35,000	35,000	
952	1,209	875	890	Dues / Taxes		900	900	
6,808	1,354	4,000	6,787	Professional Services		5,700	5,700	
2,180	2,440	5,000	3,500	Auditing		4,000	4,000	
473	940	2,700	1,600	Legal Services		2,000	2,000	
480	25	700	674	Notices		700	700	
7,516	8,889	10,000	8,722	Utilities		10,000	10,000	
<b>88,217</b>	<b>86,159</b>	<b>159,918</b>	<b>128,818</b>	<b>TOTAL MATERIALS &amp; SERVICES</b>		<b>147,730</b>	<b>147,730</b>	
<b>CAPITAL OUTLAY</b>								
	17,925			Replacement Pickup Truck				
	4,332			Water Purification Unit				
<b>0</b>	<b>22,257</b>	<b>0</b>	<b>0</b>	<b>TOTAL CAPITAL OUTLAYS</b>		<b>0</b>	<b>0</b>	
<b>253,418</b>	<b>289,981</b>	<b>349,863</b>	<b>314,871</b>	<b>TOTAL OPERATING EXPENSES</b>		<b>344,270</b>	<b>344,270</b>	





**ARCH CAPE WATER DISTRICT  
FY 2019-20 BUDGET  
CAPITAL FUND**

2016-17 ACTUAL	2017-18 ACTUAL	2018-19 ADOPTED	2018-19 EOY PROJ	WATER RESOURCES	2019-20 PROP (ver1)	2019-20 RECOM (ver2)	2019-20 FINAL (ver3)
33,649	48,892	66,979	54,387	Undesignated Balance Project Reserve Debt Service Reserve	65,321	65,321	
<b>33,649</b>	<b>48,892</b>	<b>66,979</b>	<b>54,387</b>	<b>TOTAL BEGINNING BALANCE</b>	<b>65,321</b>	<b>65,321</b>	

**REVENUE**

15,243	18,087	10,934	10,934	Loan Proceeds SDC Revenue Other	10,934	10,934	
<b>15,243</b>	<b>18,087</b>	<b>10,934</b>	<b>10,934</b>	Interest on Investments Miscellaneous <b>TOTAL REVENUE</b>	<b>10,934</b>	<b>10,934</b>	

TRANSFER FROM GENERAL FUND

0	0	0	0		0	0	
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<b>48,892</b>	<b>66,979</b>	<b>77,913</b>	<b>65,321</b>	<b>TOTAL RESOURCES</b>	<b>76,255</b>	<b>76,255</b>	
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**ARCH CAPE WATER DISTRICT  
FY 2019-20 BUDGET  
CAPITAL FUND**

2016-17 ACTUAL	2017-18 ACTUAL	2018-19 ADOPTED	2018-19 EOY PROJ	WATER REQUIREMENTS	2019-20 PROP (ver1)	2019-20 RECOM (ver2)	2019-20 FINAL (ver3)
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**CAPITAL OUTLAY**

	12,592			Dodge Truck			
				Water Source Assessment			
				New Service			
				Other			
<b>0</b>	<b>12,592</b>	<b>0</b>	<b>0</b>	<b>TOTAL CAPITAL</b>	<b>0</b>	<b>0</b>	<b>0</b>

**CONTINGENCY & ENDING BALANCE**

**CONTINGENCY**

	<b>77,913</b>	<b>65,321</b>	<b>CONTINGENCY</b>		<b>76,255</b>	<b>76,255</b>	
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**UNAPPROPRIATED BALANCE**

				Project Reserve			
				Project Reserve			
48,892	54,387			Undesignated		0	
<b>48,892</b>	<b>54,387</b>	<b>0</b>	<b>0</b>	<b>TOTAL UNAPPROPRIATED BALANCE</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>48,892</b>	<b>54,387</b>	<b>77,913</b>	<b>65,321</b>	<b>TOT CONTINGENCY &amp; UNAPP BAL. (Ending Bal)</b>	<b>76,255</b>	<b>76,255</b>	<b>76,255</b>

<b>48,892</b>	<b>66,979</b>	<b>77,913</b>	<b>65,321</b>	<b>TOTAL REQUIREMENTS</b>	<b>76,255</b>	<b>76,255</b>	
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<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>RESOURCES UNDER/(OVER) REQUIREMENTS</b>	<b>0</b>	<b>0</b>	<b>0</b>
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ARCH CAPE WATER DISTRICT  
LONG RANGE FINANCIAL PLAN

KEY ASSUMPTIONS:

- 2 Hookups per year
- Expense allocation: Blended 57.0% Sanitary
- Expense growth: 2% growing to 4%
- Rates adjusted to retain approximately 16% of Oper Exp on hand
- Contingency set at 15% of Operating Expenses
- No loans for capital projects
- Watershed expense of \$35K : 2019-20 & \$32K per year from 2023-24 to 2026-27
- Transfer from Gen Fund to Capital Fund:
  - \$15K : 2025-26
- User rates adjusted for Op Ex needs and Capital Expenses
  - Rate increased by 2% per year from 2019-20 at \$163 to \$195 in 2028-29

EXPECTED FUTURE CAPITAL FUND EXPENDITURE:

- \$70K Membrane Replacement : 2025-26
- \$20K Storage Planning : Preliminary Design : 2025-26
- \$280K South Reservoir Construction : 2032-33  
(Includes \$40K Grant)
- \$80K Membrane Replacement : 2034-35



**ARCH CAPE WATER DISTRICT  
LONG RANGE FINANCIAL PLAN**

WATER DISTRICT - GENERAL FUND												
ASSUMPTIONS	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
SD IGA % : PERSONNEL + ALLOC	55.5%	53.0%	57.0%	57.0%	57.0%	57.0%	57.0%	57.0%	57.0%	57.0%	57.0%	57.0%
GENERAL INFLATION	2.0%	2.5%	2.5%	2.5%	2.5%	3.0%	3.0%	3.0%	4.0%	4.0%	4.0%	4.0%
CONTINGENCY	Assume 15% of operating expenditures is budgeted after 2019-20; and assume 15% of that amount is spent per year.											
HOOKUPS	290	291	292	294	296	298	300	302	304	306	308	310
Change in Hookups	2	2	2	2	2	2	2	2	2	2	2	2
System Development Charge	5,329	5,467	5,467	5,604	5,744	5,916	6,093	6,276	6,527	6,788	7,060	7,342
Excess usage Charge % of User Fees*	17.5%	17.5%	17.5%	17.5%	17.5%	17.5%	17.5%	17.5%	17.5%	17.5%	17.5%	17.5%
<b>WD Quarterly User Rates</b>	140	160	163	166	169	172	175	179	183	187	191	195
User Rate % increase			2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Usage charges	121	141	144	147	150	153	156	160	164	168	172	176
Debt service surcharges	19	19	19	19	19	19	19	19	19	19	19	19
Annual increase - Total		14.3%	1.9%	1.8%	1.8%	1.8%	1.7%	2.3%	2.2%	2.2%	2.1%	2.1%
Annual increase - Usage chg. Only		16.5%	2.1%	2.1%	2.0%	2.0%	2.0%	2.6%	2.5%	2.4%	2.4%	2.3%
	Act	EOY PROJ	PROJECTED									
<b>RESOURCES</b>	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
<b>BEGINNING BALANCE</b>	92,771	112,809	138,943	129,749	158,253	183,258	208,644	219,080	231,088	242,633	253,478	283,674
<b>REVENUE</b>												
USER FEES	138,268	162,275	166,510	171,143	175,824	180,552	185,328	191,347	197,430	203,576	209,785	216,058
EXCESS USAGE CHARGES	38,341	30,446	24,000	29,950	30,769	31,597	32,432	33,486	34,550	35,626	36,712	37,810
FEE SURCHARGE FOR DEBT	21,698	22,716	21,970	22,344	22,496	22,648	22,800	22,952	23,104	23,256	23,408	23,560
SD IGA REVENUE	125,515	131,407	140,368	144,752	148,371	152,822	157,407	162,129	168,614	175,359	182,373	189,668
WATERSHED REVENUE												
DEBT PROCEEDS	2,500				2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
SALE OF TRUCK	4,470											
OTHER												
<b>TOTAL REVENUE</b>	<b>330,791</b>	<b>361,777</b>	<b>355,848</b>	<b>370,589</b>	<b>379,860</b>	<b>390,019</b>	<b>400,367</b>	<b>412,314</b>	<b>426,098</b>	<b>440,216</b>	<b>454,678</b>	<b>469,495</b>
<b>TOTAL RESOURCES</b>	<b>423,562</b>	<b>474,586</b>	<b>494,792</b>	<b>500,338</b>	<b>538,113</b>	<b>573,277</b>	<b>609,011</b>	<b>631,393</b>	<b>657,186</b>	<b>682,849</b>	<b>708,156</b>	<b>753,169</b>

**ARCH CAPE WATER DISTRICT  
LONG RANGE FINANCIAL PLAN**

REQUIREMENTS	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
<b>EXPENDITURES</b>												
<b>PERSONNEL</b>												
SALARY/WAGE	142,615	147,140	155,613	159,503	163,491	168,396	173,448	178,651	185,797	193,229	200,958	208,996
BENEFITS	38,950	38,913	40,928	41,951	43,000	44,290	45,619	46,987	48,867	50,821	52,854	54,968
<b>TOTAL PERSONNEL</b>	<b>181,565</b>	<b>186,053</b>	<b>196,541</b>	<b>201,455</b>	<b>206,491</b>	<b>212,686</b>	<b>219,066</b>	<b>225,638</b>	<b>234,664</b>	<b>244,050</b>	<b>253,812</b>	<b>263,965</b>
<b>MATERIALS &amp; SERVICES</b>												
ALLOCABLE EXPENSES	39,713	42,280	51,216	52,496	53,809	55,423	57,086	58,798	61,150	63,596	66,140	68,786
SD FACILITIES USE	2,925	3,225	3,600	3,000	3,000	3,000	3,000	3,000	3,000	3,001	3,002	3,003
WATERSHED	1,938	25,572	35,000	5,000	5,000	5,000	20,000	20,000	20,000	20,000	20,000	20,000
MAINTENANCE & CHEMICALS	21,303	28,323	26,000	26,650	27,316	28,136	28,980	29,849	31,043	32,285	33,576	34,919
UTILITIES	8,889	8,722	10,000	10,250	10,506	10,821	11,146	11,480	11,940	12,417	12,914	13,431
GEN'L & ADMINISTRATIVE	11,391	20,696	21,914	22,462	23,023	23,714	24,426	25,158	26,165	27,211	28,300	29,432
<b>TOTAL MATERIALS &amp; SERVICES</b>	<b>86,159</b>	<b>128,818</b>	<b>147,730</b>	<b>119,858</b>	<b>122,655</b>	<b>126,094</b>	<b>144,637</b>	<b>148,286</b>	<b>153,298</b>	<b>158,511</b>	<b>143,932</b>	<b>149,570</b>
CONTINGENCY		38,000	51,000	48,197	49,372	50,817	54,556	56,089	58,194	60,384	59,662	62,030
CONTINGENCY (amt. spent @ 10%/yr)					4,937	5,082	5,456	5,609	5,819	6,038	5,966	6,203
CAPITAL OUTLAY	22,257											
<b>TOTAL OPERATING EXPENDITURES</b>	<b>289,981</b>	<b>314,871</b>	<b>344,271</b>	<b>321,313</b>	<b>334,083</b>	<b>343,862</b>	<b>369,159</b>	<b>379,533</b>	<b>393,781</b>	<b>408,599</b>	<b>403,710</b>	<b>419,738</b>
<b>TRANSFER TO CAPITAL FUND</b>												
DEBT SERVICE	20,772	20,772	20,772	20,772	20,772	20,772	20,772	20,772	20,772	20,772	20,772	20,772
<b>CONTINGENCY &amp; ENDING BALANCE</b>												
CONTINGENCY			51,000	48,197	49,372	50,817	54,556	56,089	58,194	60,384	59,662	62,030
DESIGNATED RESERVES			55,083	51,410	52,663	54,205	58,193	59,828	62,074	64,410	63,639	66,166
UNDESIGNATED	112,809	138,943	23,665	58,646	81,223	103,622	106,332	115,172	122,365	128,684	160,373	184,463
<b>CONT. + RESERVES + UNDESIGNATED</b>	<b>112,809</b>	<b>138,943</b>	<b>129,749</b>	<b>158,253</b>	<b>183,258</b>	<b>208,644</b>	<b>219,080</b>	<b>231,088</b>	<b>242,633</b>	<b>253,478</b>	<b>283,674</b>	<b>312,659</b>
<b>ENDING BALANCE</b>	<b>112,809</b>	<b>138,943</b>	<b>129,749</b>	<b>158,253</b>	<b>183,258</b>	<b>208,644</b>	<b>219,080</b>	<b>231,088</b>	<b>242,633</b>	<b>253,478</b>	<b>283,674</b>	<b>312,659</b>
<b>TOTAL REQUIREMENTS</b>	<b>423,562</b>	<b>474,586</b>	<b>494,792</b>	<b>500,338</b>	<b>538,113</b>	<b>573,277</b>	<b>609,011</b>	<b>631,393</b>	<b>657,186</b>	<b>682,849</b>	<b>708,156</b>	<b>753,169</b>
END BAL OVER/(UNDER) BEG BAL	20,038	26,134	(9,195)	28,505	25,005	25,385	10,436	12,008	11,545	10,845	30,196	28,985
RESOURCES OVER/(UNDER) REQ.	0											
LIQUIDITY REQ'MENT: 16% OP EXP	44,621	28,338	55,083	51,410	52,663	54,205	58,193	59,828	62,074	64,410	63,639	66,166
ENDING BALANCE MINUS LIQUIDITY R	68,189	110,605	74,665	106,843	130,595	154,439	160,887	171,260	180,559	189,068	220,035	246,493
<b>CAPITAL FUND ENDING BALANCE</b>	<b>51,417</b>	<b>62,351</b>	<b>73,285</b>	<b>84,493</b>	<b>95,981</b>	<b>107,813</b>	<b>119,999</b>	<b>132,551</b>	<b>55,605</b>	<b>69,181</b>	<b>83,301</b>	<b>97,985</b>



**ARCH CAPE WATER DISTRICT  
LONG RANGE FINANCIAL PLAN**

WATER DISTRICT - CAPITAL FUND													
	Act	EOY PROJ		PROJECTED									
		2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
<b>RESOURCES</b>													
<b>BEGINNING BALANCE</b>	48,892	51,417	62,351	73,285	84,493	95,981	107,813	119,999	132,551	145,605	159,181	172,864	186,656
<b>REVENUE</b>													
SDC REVENUE	18,087	10,934	10,934	11,208	11,488	11,832	12,186	12,552	13,054	13,576	14,120	14,684	15,268
<b>TOTAL REVENUE</b>	18,087	10,934	10,934	11,208	11,488	11,832	12,186	12,552	13,054	13,576	14,120	14,684	15,268
<b>TRANSFER FROM GENERAL FUND</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL RESOURCES</b>	66,979	62,351	73,285	84,493	95,981	107,813	119,999	132,551	145,605	159,181	172,864	186,656	200,524
<b>REQUIREMENTS</b>													
<b>EXPENDITURES</b>													
WATER SOURCE ASSESSMENT													
MEMBRANE REPLACEMENT													
SECOND WATER SOURCE													
STORAGE PLING : PRELIM DESIGN													
TRUCK	12,592												
SOUTH RESERVOIR	2,970												
OTHER	15,562	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL EXPENDITURES</b>	31,124	0	0	0	0	0	0	0	0	0	0	0	0
<b>ENDING BALANCE</b>	51,417	62,351	73,285	84,493	95,981	107,813	119,999	132,551	145,605	159,181	172,864	186,656	200,524
<b>TOTAL REQUIREMENTS</b>	66,979	62,351	73,285	84,493	95,981	107,813	119,999	132,551	145,605	159,181	172,864	186,656	200,524



**ARCH CAPE WATER DISTRICT  
LONG RANGE FINANCIAL PLAN**

**KEY ASSUMPTIONS:**

- 2 Hookups per year
- Expense allocation: Blended 57.0% Sanitary
- Expense growth: 2% growing to 4%
- Rates adjusted to retain approximately 16% of Oper Exp on hand
- Contingency set at 15% of Operating Expenses excepting 2020-21 & 2021-22 being set at %10
- Loans of \$200K in 2020-21 & \$250K in 2024-25 with an interest expense of \$107K
- Watershed expense of \$35K : 2019-20 & \$50K per year from 2020-21 to 2028-29
- Transfer from Gen Fund to Capital Fund:
  - \$200K : 2020-21
  - \$250K : 2024-25
  - \$15K : 2025-26
- User rates adjusted for Op Ex needs and Capital Expenses
  - Rate increased by 2% per year from 2019-20 at \$163 and by 3% thereafter

**EXPECTED FUTURE CAPITAL FUND EXPENDITURE:**

- \$70K Membrane Replacement : 2025-26
- \$20K Storage Planning : Preliminary Design : 2025-26
- \$280K South Reservoir Construction : 2032-33  
(Includes \$40K Grant)
- \$80K Membrane Replacement : 2034-35

**ARCH CAPE WATER DISTRICT  
LONG RANGE FINANCIAL PLAN**

WATER DISTRICT - GENERAL FUND													
ASSUMPTIONS	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	
SD IGA % : PERSONNEL + ALLOC	55.5%	53.0%	57.0%	57.0%	57.0%	57.0%	57.0%	57.0%	57.0%	57.0%	57.0%	57.0%	57.0%
GENERAL INFLATION	2.0%	2.5%	2.5%	2.5%	2.5%	3.0%	3.0%	3.0%	4.0%	4.0%	4.0%	4.0%	4.0%
CONTINGENCY	Assume 15% of operating expenditures is budgeted after 2019-20; and assume 15% of that amount is spent per year.												
HOOKUPS	290	291	292	294	296	298	300	302	304	306	308	310	
Change in Hookups	2	2	2	2	2	2	2	2	2	2	2	2	
System Development Charge	5,329	5,467	5,467	5,604	5,744	5,916	6,093	6,276	6,527	6,788	7,060	7,342	
Excess usage Charge % of User Fees*	17.5%	17.5%	17.5%	17.5%	17.5%	17.5%	17.5%	17.5%	17.5%	17.5%	17.5%	17.5%	
<b>WD Quarterly User Rates</b>	140	160	163	168	173	178	183	188	194	200	206	212	
User Rate % increase			2.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Usage charges	121	141	144	149	154	159	164	169	175	181	187	193	
Debt service surcharges	19	19	19	19	19	19	19	19	19	19	19	19	
Annual increase - Total		14.3%	1.9%	3.1%	3.0%	2.9%	2.8%	2.7%	3.2%	3.1%	3.0%	2.9%	
Annual increase - Usage chg. Only		16.5%	2.1%	3.5%	3.4%	3.2%	3.1%	3.0%	3.6%	3.4%	3.3%	3.2%	
	Act	EOY PROJ	PROJECTED										
<b>RESOURCES</b>	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	
<b>BEGINNING BALANCE</b>	92,771	112,809	138,943	129,103	290,686	252,738	216,110	182,605	371,329	312,503	255,926	201,388	
<b>REVENUE</b>													
USER FEES	138,268	162,275	165,940	173,472	180,513	187,633	194,832	202,110	210,672	219,329	228,080	236,927	
EXCESS USAGE CHARGES	38,341	30,446	24,000	30,358	31,590	32,836	34,096	35,369	36,868	38,382	39,914	41,462	
FEE SURCHARGE FOR DEBT	21,698	22,716	21,895	22,344	22,496	22,648	22,800	22,952	23,104	23,256	23,408	23,560	
SD IGA REVENUE	125,515	131,407	140,368	144,752	148,371	152,822	157,407	162,129	168,614	175,359	182,373	189,668	
WATERSHED REVENUE													
DEBT PROCEEDS	2,500			200,000				250,000					
SALE OF TRUCK	4,470	14,933	3,000	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	
OTHER													
<b>TOTAL REVENUE</b>	<b>330,791</b>	<b>361,777</b>	<b>355,203</b>	<b>573,325</b>	<b>385,369</b>	<b>398,338</b>	<b>411,534</b>	<b>674,961</b>	<b>441,658</b>	<b>458,726</b>	<b>476,175</b>	<b>494,017</b>	
<b>TOTAL RESOURCES</b>	<b>423,562</b>	<b>474,586</b>	<b>494,146</b>	<b>702,428</b>	<b>676,055</b>	<b>651,076</b>	<b>627,644</b>	<b>857,565</b>	<b>812,987</b>	<b>771,228</b>	<b>732,101</b>	<b>695,404</b>	



**ARCH CAPE WATER DISTRICT  
LONG RANGE FINANCIAL PLAN**

REQUIREMENTS	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
<b>EXPENDITURES</b>												
<b>PERSONNEL</b>												
SALARY/WAGE	142,615	147,140	155,613	159,503	163,491	168,396	173,448	178,651	185,797	193,229	200,958	208,996
BENEFITS	38,950	38,913	40,928	41,951	43,000	44,290	45,619	46,987	48,867	50,821	52,854	54,968
<b>TOTAL PERSONNEL</b>	<b>181,565</b>	<b>186,053</b>	<b>196,541</b>	<b>201,455</b>	<b>206,491</b>	<b>212,686</b>	<b>219,066</b>	<b>225,638</b>	<b>234,664</b>	<b>244,050</b>	<b>253,812</b>	<b>263,965</b>
<b>MATERIALS &amp; SERVICES</b>												
ALLOCABLE EXPENSES	39,713	42,280	51,216	52,496	53,809	55,423	57,086	58,798	61,150	63,596	66,140	68,786
SD FACILITIES USE	2,925	3,225	3,600	3,000	3,000	3,000	3,000	3,000	3,000	3,001	3,002	3,003
WATERSHED	1,938	25,572	35,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
MAINTENANCE & CHEMICALS	21,303	28,323	26,000	26,650	27,316	28,136	28,980	29,849	31,043	32,285	33,576	34,919
UTILITIES	8,889	8,722	10,000	10,250	10,506	10,821	11,146	11,480	11,940	12,417	12,914	13,431
GEN'L & ADMINISTRATIVE	11,391	20,696	21,914	22,462	23,023	23,714	24,426	25,158	26,165	27,211	28,300	29,432
<b>TOTAL MATERIALS &amp; SERVICES</b>	<b>86,159</b>	<b>128,818</b>	<b>147,730</b>	<b>164,858</b>	<b>167,655</b>	<b>171,094</b>	<b>174,637</b>	<b>178,286</b>	<b>183,298</b>	<b>188,511</b>	<b>193,932</b>	<b>199,570</b>
CONTINGENCY		38,000	51,000	36,631	37,415	57,567	59,056	60,589	62,694	64,884	67,162	69,530
CONTINGENCY (amt. spent @ 10%/yr)					3,741	5,757	5,906	6,059	6,269	6,488	6,716	6,953
CAPITAL OUTLAY	22,257											
<b>TOTAL OPERATING EXPENDITURES</b>	<b>289,981</b>	<b>314,871</b>	<b>344,271</b>	<b>366,313</b>	<b>377,887</b>	<b>389,537</b>	<b>399,609</b>	<b>409,983</b>	<b>424,231</b>	<b>439,049</b>	<b>454,460</b>	<b>470,488</b>
<b>TRANSFER TO CAPITAL FUND</b>												
DEBT SERVICE	20,772	20,772	20,772	45,430	45,430	45,430	45,430	76,253	76,253	76,253	76,253	76,253
<b>CONTINGENCY &amp; ENDING BALANCE</b>												
CONTINGENCY			51,000	36,631	37,415	57,567	59,056	60,589	62,694	64,884	67,162	69,530
DESIGNATED RESERVES			55,083	58,610	59,863	61,405	62,993	64,628	66,874	69,210	71,639	74,166
UNDESIGNATED	112,809	138,943	23,020	195,444	155,460	97,138	60,557	246,113	182,935	121,832	62,587	4,968
<b>CONT. + RESERVES + UNDESIGNATED</b>	<b>112,809</b>	<b>138,943</b>	<b>129,103</b>	<b>290,686</b>	<b>252,738</b>	<b>216,110</b>	<b>182,605</b>	<b>371,329</b>	<b>312,503</b>	<b>255,926</b>	<b>201,388</b>	<b>148,663</b>
<b>ENDING BALANCE</b>	<b>112,809</b>	<b>138,943</b>	<b>129,103</b>	<b>290,686</b>	<b>252,738</b>	<b>216,110</b>	<b>182,605</b>	<b>371,329</b>	<b>312,503</b>	<b>255,926</b>	<b>201,388</b>	<b>148,663</b>
<b>TOTAL REQUIREMENTS</b>	<b>423,562</b>	<b>474,586</b>	<b>494,146</b>	<b>702,428</b>	<b>676,055</b>	<b>651,076</b>	<b>627,644</b>	<b>857,565</b>	<b>812,987</b>	<b>771,228</b>	<b>732,101</b>	<b>695,404</b>
END BAL OVER/(UNDER) BEG BAL	20,038	26,134	(9,840)	161,583	(37,948)	(36,628)	(33,505)	188,724	(58,826)	(56,577)	(54,538)	(52,724)
REVENUE OVER/(UNDER) EXPENSE	40,811	46,906	10,932	207,013	7,482	8,802	11,925	264,977	17,427	19,676	21,715	23,529
RESOURCES OVER/(UNDER) REQ.	0											
LIQUIDITY REQ: 16% OP EXP	44,621	28,338	55,083	58,610	59,863	61,405	62,993	64,628	66,874	69,210	71,639	74,166
ENDING BALANCE MINUS LIQUIDITY R	68,189	110,605	74,020	232,076	192,875	154,705	119,612	306,701	245,629	186,716	129,749	74,498
<b>CAPITAL FUND ENDING BALANCE</b>	<b>51,417</b>	<b>62,351</b>	<b>73,285</b>	<b>84,493</b>	<b>95,981</b>	<b>107,813</b>	<b>119,999</b>	<b>132,551</b>	<b>55,605</b>	<b>69,181</b>	<b>83,301</b>	<b>97,985</b>



**ARCH CAPE WATER DISTRICT  
LONG RANGE FINANCIAL PLAN**

WATER DISTRICT - CAPITAL FUND													
	Act	PROJECTED											
		2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
<b>RESOURCES</b>													
<b>BEGINNING BALANCE</b>	48,892	51,417	62,351	73,285	84,493	95,981	107,813	119,999	132,551	145,605	157,141	168,622	180,103
<b>REVENUE</b>													
SDC REVENUE	18,087	10,934	10,934	11,208	11,488	11,832	12,186	12,552	13,054	13,576	14,120	14,684	15,248
<b>TOTAL REVENUE</b>	18,087	10,934	10,934	11,208	11,488	11,832	12,186	12,552	13,054	13,576	14,120	14,684	15,248
<b>TRANSFER FROM GENERAL FUND</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL RESOURCES</b>	66,979	62,351	73,285	84,493	95,981	107,813	119,999	132,551	145,605	159,117	172,240	185,364	198,485
<b>REQUIREMENTS</b>													
2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29		
66,979	62,351	73,285	84,493	95,981	107,813	119,999	132,551	145,605	159,117	172,240	185,364	198,485	211,603
<b>EXPENDITURES</b>													
WATER SOURCE ASSESSMENT													
MEMBRANE REPLACEMENT								70,000					
SECOND WATER SOURCE								20,000					
STORAGE PILING : PRELIM DESIGN													
TRUCK	12,592												
SOUTH RESERVOIR													
OTHER	2,970												
<b>TOTAL EXPENDITURES</b>	15,562	0	0	0	0	0	0	90,000	0	0	0	0	0
<b>ENDING BALANCE</b>	51,417	62,351	73,285	84,493	95,981	107,813	119,999	132,551	145,605	159,117	172,240	185,364	198,485
<b>TOTAL REQUIREMENTS</b>	66,979	62,351	73,285	84,493	95,981	107,813	119,999	132,551	145,605	159,117	172,240	185,364	198,485

**ARCH CAPE SANITARY DISTRICT  
FY 2019-20 BUDGET  
GENERAL FUND**

2016-17 ACTUAL	2017-18 ACTUAL	2018-19 ADOPTED	2018-19 EOY PROJ	SANITARY RESOURCES	2019-20 PROP (ver1)	2019-20 RECOM (ver2)	2019-20 FINAL (ver3)																					
<b>BEGINNING BALANCE</b>																												
261,902	274,771	277,350	255,069	Undesignated Balance	295,526	295,529																						
			5,000	Capital Reserve																								
15,256	15,256	15,256	15,256	ODEQ Irrig Site Loan#11432 res	15,256	15,256																						
		40,960	42,864	Operating Reserve	21,825	21,825																						
		9,000	9,003	Bonded Debt Reserve	9,003	9,000																						
<b>277,158</b>	<b>290,027</b>	<b>342,566</b>	<b>327,192</b>	<b>TOTAL BEGINNING BALANCE</b>	<b>341,611</b>	<b>341,611</b>																						
<b>REVENUE</b>																												
221,486	231,810	234,963	235,154	User Fees	261,384	261,384																						
18,925	33,039	18,000	23,357	Excess Usage Charges	15,000	15,000																						
52,365	54,571	55,365	55,352	Debt Service Surcharges	55,527	55,527																						
3,300	2,925	3,300	3,225	WD Facilities Use Charges	3,300	3,300																						
	1,136			Clatsop Cty Land Sales																								
132,165	150,541	141,436	144,325	Property Tax Receipts (Bond)	140,000	140,000																						
2,980	5,526	2,800	8,500	Interest	2,764	2,764																						
768	4,567		811	Miscellaneous																								
<b>431,988</b>	<b>484,116</b>	<b>455,863</b>	<b>470,724</b>	<b>TOTAL REVENUE</b>	<b>477,974</b>	<b>477,974</b>																						
<b>709,146</b>	<b>774,143</b>	<b>798,430</b>	<b>797,916</b>	<b>TOTAL RESOURCES</b>	<b>819,585</b>	<b>819,585</b>																						
<table border="0"> <tr> <td>Received</td> <td>Sanitary District Accounts</td> <td>Base Rate</td> </tr> <tr> <td>99%</td> <td>342</td> <td>\$193.00</td> </tr> <tr> <td></td> <td></td> <td>261,384</td> </tr> <tr> <td></td> <td>Debt Srvc Rate</td> <td></td> </tr> <tr> <td></td> <td>342</td> <td>\$41.00</td> </tr> <tr> <td></td> <td></td> <td>55,527</td> </tr> <tr> <td></td> <td>Total Rate</td> <td><b>\$234.00</b></td> </tr> </table>								Received	Sanitary District Accounts	Base Rate	99%	342	\$193.00			261,384		Debt Srvc Rate			342	\$41.00			55,527		Total Rate	<b>\$234.00</b>
Received	Sanitary District Accounts	Base Rate																										
99%	342	\$193.00																										
		261,384																										
	Debt Srvc Rate																											
	342	\$41.00																										
		55,527																										
	Total Rate	<b>\$234.00</b>																										

**ARCH CAPE SANITARY DISTRICT  
FY 2019-20 BUDGET  
GENERAL FUND**

2016-17 ACTUAL	2017-18 ACTUAL	2018-19 ADOPTED	2018-19 EOY PROJ	SANITARY REQUIREMENTS	2019-20 PROP (ver1)	2019-20 RECOM (ver2)	2019-20 FINAL (ver3)
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**EXPENDITURES**

PERSONNEL SERVICES

<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>TOTAL Personnel Services</b>	<b>0</b>	<b>0</b>	<b>0</b>

MATERIALS & SERVICES

122,641	125,515	124,722	131,407	Water District IGA <sup>1</sup> Charges	140,368	140,368	
10,657	10,655	11,440	10,605	Liability & Property Insurance	11,347	11,347	
2,758	2,736	2,800	2,657	Licenses	2,800	2,800	
28,615	37,587	35,000	40,651	Maintenance	40,000	40,000	
4,709	5,627	5,500	5,777	Chemicals	5,500	5,500	
0	4,611	5,000	1,500	Inflow & Infiltration	4,000	4,000	
1,091	872	1,100	1,202	Dues / Taxes	1,100	1,100	
4,796	4,360	6,000	6,150	Professional Services	6,000	6,000	
0	625	0	0	Emergency Sanitation	0	0	
2,180	2,440	5,000	3,500	Auditing	10,000	10,000	
1,000	3,753	2,500	8,936	Legal Services	5,000	5,000	
250	20	700	553	Notices	700	700	
46,875	43,117	46,000	44,246	Utilities	46,000	46,000	
<b>225,572</b>	<b>241,917</b>	<b>245,762</b>	<b>257,184</b>	<b>TOTAL MATERIALS &amp; SERVICES</b>	<b>272,815</b>	<b>272,815</b>	

CAPITAL OUTLAY

	16,715			TR50 Mixer			
				Dodge Ram Truck			
<b>0</b>	<b>16,715</b>	<b>0</b>	<b>0</b>	<b>TOTAL CAPITAL OUTLAYS</b>	<b>0</b>	<b>0</b>	

<b>225,572</b>	<b>258,632</b>	<b>245,762</b>	<b>257,184</b>	<b>TOTAL OPERATING EXPENSES</b>	<b>272,815</b>	<b>272,815</b>	
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**ARCH CAPE SANITARY DISTRICT  
FY 2019-20 BUDGET  
CAPITAL FUND**

2016-17 ACTUAL	2017-18 ACTUAL	2018-19 ADOPTED	2018-19 EOY PROJ	SD CAPITAL RESOURCES	2019-20 PROP (ver1)	2019-20 RECOM (ver2)	2019-20 FINAL (ver3)
<b>BEGINNING BALANCE</b>							
76,280	76,280	92,588	107,780	Undesignated Balance Project Reserve Debt Service Reserve	124,130	124,130	
<b>76,280</b>	<b>76,280</b>	<b>92,588</b>	<b>107,780</b>	<b>TOTAL BEGINNING BALANCE</b>	<b>124,130</b>	<b>124,130</b>	
<b>REVENUE</b>							
	23,904 7,596	16,350	16,350	Loan Proceeds Bond Proceeds SDC Revenue Other Interest on Investments Miscellaneous	16,350	16,350	
<b>0</b>	<b>31,500</b>	<b>16,350</b>	<b>16,350</b>	<b>TOTAL REVENUE</b>	<b>16,350</b>	<b>16,350</b>	
<b>TRANSFER FROM GENERAL FUND</b>							
<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>270,000</b>	<b>270,000</b>	
<b>76,280</b>	<b>107,780</b>	<b>108,938</b>	<b>124,130</b>	<b>TOTAL RESOURCES</b>	<b>410,480</b>	<b>410,480</b>	

**ARCH CAPE SANITARY DISTRICT  
FY 2019-20 BUDGET  
CAPITAL FUND**

2015-16 ACTUAL	2016-17 ACTUAL	2018-19 ADOPTED	2018-19 EOY PROJ	SANITARY CAPITAL REQUIREMENTS	2019-20 PROP (ver1)	2019-20 RECOM (ver2)	2019-20 FINAL (ver3)
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**EXPENDITURES**

CAPITAL OUTLAY

		25,000		Inflow & Infiltration Membranes & Screens SCADA Sys Upgrade Other	375,000 21,000	375,000 21,000	
<b>0</b>	<b>0</b>	<b>25,000</b>	<b>0</b>	<b>TOTAL CAPITAL</b>	<b>396,000</b>	<b>396,000</b>	

**CONTINGENCY & ENDING BALANCE**

CONTINGENCY

<b>0</b>	<b>0</b>	<b>83,938</b>	<b>39,000</b>	<b>CONTINGENCY</b>	<b>14,480</b>	<b>14,480</b>	
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UNAPPROPRIATED BALANCE

				Project Reserve			
				Project Reserve			
76,280	107,780		85,130	Undesignated			
<b>76,280</b>	<b>107,780</b>	<b>0</b>	<b>85,130</b>	<b>TOTAL UNAPPROPRIATED BALANCE</b>	<b>0</b>	<b>0</b>	

<b>76,280</b>	<b>107,780</b>	<b>83,938</b>	<b>124,130</b>	<b>TOT CONTINGENCY &amp; UNAPP BAL. (Ending Bal)</b>	<b>14,480</b>	<b>14,480</b>	
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<b>76,280</b>	<b>107,780</b>	<b>108,938</b>	<b>124,130</b>	<b>TOTAL REQUIREMENTS</b>	<b>410,480</b>	<b>410,480</b>	
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<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>RESOURCES UNDER/(OVER) REQUIREMENTS</b>	<b>0</b>	<b>0</b>	
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**ARCH CAPE SANITARY DISTRICT  
LONG RANGE FINANCIAL PLAN**

**KEY ASSUMPTIONS:**

- 2 Hookups per year
- Expense allocation: Blended 57.0% Sanitary
- Expense growth: 2% growing to 4%
- Contingency set at 4% of Operating Expenses : 2019-20 thru 2021-22
- Liquidity Requirement set to 8% in 2019-20 & 2020-21 and 4% in 2021-22 from 16%
- Transfer from Gen Fund to Capital Fund:
  - \$280K : 2019-20
  - \$130K : 2021-22
  - \$225K : 2028-29
- Imposition of Tax : 2019-20 : \$142K : retention of \$6K balance
- User rates adjusted for Op Ex needs and Capital Expenses
  - Rate increased by 9% to \$234 : 2019-20
  - Rate increased by 8% to \$253 : 2020-21
  - Rate increased by 7% to \$271 : 2021-22
  - Rate increased by 2% to \$276 : 2022-23
  - Rate increased by 2% to \$282 : 2023-24
  - Rate increased by 2% to \$288 : 2024-25
  - Rate increased by 2% to \$294 : 2025-26

**EXPECTED FUTURE CAPITAL FUND EXPENDITURES:**

- \$325K Membrane & Screens Replacement : 2019-20
- \$50K Screening Upgrade : 2019-20
- \$21K SCADA Upgrade : 2019-20
- \$180K Web Lift Station Upgrade : 2021-22
- \$350K Membrane Replacement : 2028-29
- \$400K Membrane Replacement : 2037-38

**ARCH CAPE SANITARY DISTRICT  
LONG RANGE FINANCIAL PLAN**

SANITARY DISTRICT - GENERAL FUND													
ASSUMPTIONS	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	
	2.0%	2.5%	2.5%	2.5%	2.5%	3.0%	3.0%	3.0%	4.0%	4.0%	4.0%	4.0%	4.0%
GENERAL INFLATION													
CONTINGENCY													
HOOKUPS	340	341	342	344	346	348	350	352	354	356	358	360	
Change in Hookups	2	2	2	2	2	2	2	2	2	2	2	2	
System Development Charge	7,968	8,175	8,175	8,379	8,589	8,847	9,112	9,385	9,761	10,151	10,557	10,979	
Excess usage Charge % of User Fees	6.4%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	6.0%	6.0%	
<b>SD Quarterly User Rates</b>	<b>215</b>	<b>215</b>	<b>234</b>	<b>253</b>	<b>271</b>	<b>276</b>	<b>282</b>	<b>288</b>	<b>294</b>	<b>294</b>	<b>294</b>	<b>294</b>	<b>294</b>
User Rate % increase			9.0%	8.0%	7.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Usage charges	174	174	194	213	232	243	254	261	267	280	280	281	281
Debt service surcharges	41	41	40	40	39	33	28	27	27	14	14	13	13
Annual increase - Total			9%	8%	7%	2%	2%	2%	2%	2%			
Annual increase - Usage chg. Only			11.5%	9.8%	9%	5%	5%	3%	2%	5%			0%
	Act	EOY PROJ	PROJECTED										
<b>RESOURCES</b>	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	
<b>BEGINNING BALANCE</b>	290,027	327,192	341,611	77,717	119,958	53,581	122,647	201,558	284,153	365,608	456,288	527,770	
<b>REVENUE</b>													
USER FEES	231,810	235,154	261,384	293,088	321,088	338,256	355,600	367,488	378,072	398,720	400,960	404,640	
EXCESS USAGE CHARGES	33,039	23,357	15,000	23,447	25,687	27,060	28,448	29,399	30,246	31,898	24,058	24,278	
FEE SURCHARGE FOR DEBT	54,571	55,352	55,527	54,383	54,311	46,493	38,702	38,702	38,702	19,383	19,383	19,383	
PROPERTY TAX RECEIPTS	150,541	144,325	140,000	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	
OTHER	14,155	12,536	6,064	6,216	6,371	6,562	6,759	6,962	7,240	7,530	7,831	8,144	
<b>TOTAL REVENUE</b>	<b>484,116</b>	<b>470,724</b>	<b>477,975</b>	<b>521,734</b>	<b>552,057</b>	<b>562,972</b>	<b>574,109</b>	<b>587,151</b>	<b>598,860</b>	<b>602,131</b>	<b>596,832</b>	<b>601,046</b>	
<b>ADDITIONAL DEBT/GRANTS</b>													
SCADA Upgrade													
<b>TOTAL ADDITIONAL DEBT</b>													
<b>TOTAL RESOURCES</b>	<b>774,143</b>	<b>797,916</b>	<b>819,585</b>	<b>599,451</b>	<b>672,015</b>	<b>616,553</b>	<b>696,757</b>	<b>788,709</b>	<b>883,014</b>	<b>967,739</b>	<b>1,053,120</b>	<b>1,128,816</b>	



**ARCH CAPE SANITARY DISTRICT  
LONG RANGE FINANCIAL PLAN**

REQUIREMENTS	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
<b>EXPENDITURES</b>												
MATERIALS & SVCS												
WD IGA CHARGES	125,515	131,407	140,368	144,752	148,371	152,822	157,407	162,129	168,614	175,359	182,373	189,668
MAINTENANCE & CHEMICALS	43,214	46,428	45,500	46,638	47,803	49,238	50,715	52,236	54,326	56,499	58,759	61,109
UTILITIES	43,117	44,246	46,000	47,150	48,329	49,779	51,272	52,810	54,923	57,119	59,404	61,780
GEN'L & ADMINISTRATIVE	30,071	35,103	40,947	41,971	43,020	44,311	45,640	47,009	48,889	50,845	52,879	54,994
TOTAL M&S	241,917	257,184	272,815	280,510	287,523	296,149	305,033	314,184	326,751	339,822	353,414	367,551
DEBT SERVICE	54,587	54,521	54,453	54,383	54,311	46,493	38,702	38,702	38,702	19,383	19,383	19,383
USDA PLANT UPGRADE - GO BONDS	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600
CONTINGENCY	37,000	39,000	13,000	11,220	11,501	44,422	45,755	47,128	49,013	50,973	53,012	55,133
CONTINGENCY SPENT(@ 15%/yr)						6,663	6,863	7,069	7,352	7,646	7,952	8,270
CAPITAL OUTLAY	16,715											
TOTAL OPERATING EXPENDITURES	258,632	257,184	272,815	280,510	287,523	296,149	305,033	314,184	326,751	339,822	353,414	367,551
<b>TOTAL GENERAL FUND EXPENDITURES</b>	<b>457,819</b>	<b>456,305</b>	<b>471,868</b>	<b>479,493</b>	<b>486,434</b>	<b>493,905</b>	<b>495,199</b>	<b>504,555</b>	<b>517,406</b>	<b>511,451</b>	<b>525,349</b>	<b>539,804</b>
<b>TRANSFER TO CAPITAL FUND</b>			<b>270,000</b>		<b>132,000</b>							<b>225,000</b>
CONTINGENCY		39,000	13,000	11,220	11,501	44,422	45,755	47,128	49,013	50,973	53,012	55,133
DESIGNATED RESERVES		72,123	16,682	20,256	20,256	20,256	5,000	5,000	5,000	5,000		
UNDESIGNATED	316,324	230,488	48,035	88,481	21,824	57,969	150,803	232,026	311,595	400,315	474,758	308,880
<b>CONTING. + ENDING BALANCE</b>	<b>316,324</b>	<b>341,611</b>	<b>77,717</b>	<b>119,958</b>	<b>53,581</b>	<b>122,647</b>	<b>201,558</b>	<b>284,153</b>	<b>365,608</b>	<b>456,288</b>	<b>527,770</b>	<b>364,012</b>
<b>TOTAL REQUIREMENTS</b>	<b>774,143</b>	<b>797,916</b>	<b>819,585</b>	<b>599,451</b>	<b>672,015</b>	<b>616,553</b>	<b>696,757</b>	<b>788,709</b>	<b>883,014</b>	<b>967,739</b>	<b>1,053,120</b>	<b>1,128,816</b>
<b>END BAL OVER/(UNDER) BEG BAL</b>	<b>26,297</b>	<b>14,419</b>	<b>(263,893)</b>	<b>42,240</b>	<b>(66,377)</b>	<b>69,067</b>	<b>78,911</b>	<b>82,596</b>	<b>81,455</b>	<b>90,680</b>	<b>71,482</b>	<b>(163,758)</b>
<b>RESOURCES OVER/(UNDER) REQ.</b>												
<b>LIQUIDITY REQ'MENT: 16% OP EXP</b>												
ENDING BALANCE MINUS LIQUIDITY RE	76,303	76,051	21,825	22,441	11,501	47,384	48,805	50,269	52,280	54,371	56,546	58,808
ENDING BALANCE MINUS LIQUIDITY RE	240,021	265,560	55,892	97,517	42,080	75,264	152,753	233,884	313,328	401,917	471,224	305,204
<b>CAPITAL ENDING BALANCE</b>	107,780	124,130	14,480	31,239	416	18,110	36,333	55,104	74,625	94,928	116,042	13,001

**LRFP Blended Rates :**

	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Water Qtrly Rate	140	160	163	166	169	172	175	179	183	187	191	195
Sanitary Qtrly Rate	215	215	234	253	271	276	282	288	294	294	294	294
Water Rate % Chg		14%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Sanitary Rate % Chg			9%	8%	7%	2%	2%	2%	2%	2%	2%	2%
Water Qtrly Rate : Annual \$	\$ 560	\$ 640	\$ 652	\$ 664	\$ 676	\$ 688	\$ 700	\$ 716	\$ 732	\$ 748	\$ 764	\$ 780
Sanitary Qtrly Rate : Annual \$	\$ 860	\$ 860	\$ 936	\$ 1,012	\$ 1,084	\$ 1,104	\$ 1,128	\$ 1,152	\$ 1,176	\$ 1,176	\$ 1,176	\$ 1,176
Total Yearly Utility Cost	\$ 1,420	\$ 1,500	\$ 1,588	\$ 1,676	\$ 1,760	\$ 1,792	\$ 1,828	\$ 1,868	\$ 1,908	\$ 1,924	\$ 1,940	\$ 1,956
Total Annual % Chg		6%	6%	6%	5%	2%	2%	2%	2%	1%	1%	1%



**ARCH CAPE SANITARY DISTRICT  
LONG RANGE FINANCIAL PLAN**

SANITARY DISTRICT - CAPITAL FUND													
	Act	PROJECTED											
		2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
<b>RESOURCES</b>													
<b>BEGINNING BALANCE</b>	<b>76,280</b>	<b>107,780</b>	<b>124,130</b>	<b>14,480</b>	<b>31,239</b>	<b>416</b>	<b>18,110</b>	<b>36,333</b>	<b>55,104</b>	<b>74,625</b>	<b>94,928</b>	<b>116,042</b>	<b>116,042</b>
<b>REVENUE</b>													
SDC REVENUE	31,500	16,350	16,350	16,759	17,178	17,693	18,224	18,771	19,521	20,302	21,114	21,959	21,959
<b>TOTAL REVENUE</b>	<b>31,500</b>	<b>16,350</b>	<b>16,350</b>	<b>16,759</b>	<b>17,178</b>	<b>17,693</b>	<b>18,224</b>	<b>18,771</b>	<b>19,521</b>	<b>20,302</b>	<b>21,114</b>	<b>21,959</b>	<b>21,959</b>
<b>TRANSFER FROM GENERAL FUND</b>			<b>270,000</b>		<b>132,000</b>								<b>225,000</b>
<b>TOTAL RESOURCES</b>	<b>107,780</b>	<b>124,130</b>	<b>410,480</b>	<b>31,239</b>	<b>180,416</b>	<b>18,110</b>	<b>36,333</b>	<b>55,104</b>	<b>74,625</b>	<b>94,928</b>	<b>116,042</b>	<b>116,042</b>	<b>363,001</b>

**REQUIREMENTS**

SANITARY DISTRICT - G.O. DEBT SVC													
	Act	PROJECTED											
		2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
<b>RESOURCES</b>													
<b>BEGINNING BALANCE</b>	<b>9,284</b>	<b>15,226</b>	<b>6,026</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>
<b>TAX IMPOSED</b>	<b>147,551</b>	<b>142,000</b>	<b>142,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>
<b>REVENUE</b>													
PROPERTY TAX RECEIPTS	150,542	135,400	140,000	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600
<b>TOTAL REVENUE</b>	<b>150,542</b>	<b>135,400</b>	<b>140,000</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>
<b>TOTAL RESOURCES</b>	<b>159,826</b>	<b>150,626</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>
<b>REQUIREMENTS</b>													
EXPENDITURES	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600
<b>ENDING BALANCE</b>	<b>15,226</b>	<b>6,026</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>
<b>TOTAL REQUIREMENTS</b>	<b>159,826</b>	<b>150,626</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>

**EXPENDITURES**

Membrane Replacement			325,000											350,000
Screening Upgrade			50,000											
SCADA Upgrade			21,000											
Webb Station Upgrade				180,000										
<b>TOTAL EXPENDITURES</b>			<b>396,000</b>	<b>180,000</b>										<b>350,000</b>
<b>ENDING BALANCE</b>	<b>107,780</b>	<b>124,130</b>	<b>14,480</b>	<b>31,239</b>	<b>416</b>	<b>18,110</b>	<b>36,333</b>	<b>55,104</b>	<b>74,625</b>	<b>94,928</b>	<b>116,042</b>	<b>116,042</b>	<b>13,001</b>	<b>13,001</b>
<b>TOTAL REQUIREMENTS</b>	<b>107,780</b>	<b>124,130</b>	<b>410,480</b>	<b>31,239</b>	<b>180,416</b>	<b>18,110</b>	<b>36,333</b>	<b>55,104</b>	<b>74,625</b>	<b>94,928</b>	<b>116,042</b>	<b>116,042</b>	<b>363,001</b>	<b>363,001</b>
<b>REVENUE OVER/(UNDER) EXPENDS</b>	<b>31,500</b>	<b>16,350</b>	<b>(379,650)</b>	<b>16,759</b>	<b>(162,822)</b>	<b>17,693</b>	<b>18,224</b>	<b>18,771</b>	<b>19,521</b>	<b>20,302</b>	<b>21,114</b>	<b>21,114</b>	<b>(328,041)</b>	<b>(328,041)</b>

ARCH CAPE SANITARY DISTRICT  
LONG RANGE FINANCIAL PLAN

KEY ASSUMPTIONS:

- 2 Hookups per year
- Expense allocation: Blended 57.0% Sanitary
- Expense growth: 2% growing to 4%
- Contingency set at 15% of Operating Expenses
- Liquidity Requirement set to 16% of Total Operating Expenses
- Loans :     \$375K 10Yrs at 4% total expense of \$462K : 2019-20  
              \$180K 20Yrs at 4% total expense of \$265K : 2021-22  
              \$350K 10Yrs at 4% total expense of \$432K : 2028-29  
              Total Interest expense for three loans : \$254K
- Transfer from Gen Fund to Capital Fund:
  - \$375K : 2019-20
  - \$180K : 2021-22
  - \$350K : 2028-29
- Imposition of Tax : 2019-20 : \$140K : retention of \$6K balance
- User rates adjusted for Op Ex needs and Capital Expenses
  - Rate increased by 4% to \$224 : 2019-20
  - Rate increased by 4% to \$233 : 2020-21
  - Rate increased by 4% to \$242 : 2021-22
  - Rate increased by 4% to \$252 : 2022-23
  - Rate increased by 4% to \$262 : 2023-24
  - Rate increased by 4% to \$272 : 2024-25
  - Rate increased by 4% to \$283 : 2025-26
  - Rate increased by 4% to \$294 : 2026-27
  - Rate increased by 4% to \$306 : 2027-28
  - Rate increased by 4% to \$318 : 2028-29

EXPECTED FUTURE CAPITAL FUND EXPENDITURES:

- \$325K Membrane & Screens Replacement : 2019-20
- \$50K Screening Upgrade : 2019-20
- \$21K SCADA Upgrade : 2019-20
- \$180K Web Lift Station Upgrade : 2021-22
- \$350K Membrane Replacement : 2028-29
- \$400K Membrane Replacement : 2037-38



**ARCH CAPE SANITARY DISTRICT  
LONG RANGE FINANCIAL PLAN**

SANITARY DISTRICT - GENERAL FUND												
ASSUMPTIONS	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
	2.0%	2.5%	2.5%	2.5%	2.5%	3.0%	3.0%	3.0%	4.0%	4.0%	4.0%	4.0%
GENERAL INFLATION												
CONTINGENCY	Assume 15% of operating expenditures is budgeted after 2017-18; and 15% of that amount is spent per year.											
HOOKUPS	340	341	342	344	346	348	350	352	354	356	358	360
Change in Hookups	2	2	2	2	2	2	2	2	2	2	2	2
System Development Charge	7,968	8,175	8,175	8,379	8,589	8,847	9,112	9,385	9,761	10,151	10,557	10,979
Excess usage Charge % of User Fees	6.4%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	8.0%	6.0%	6.0%
<b>SD Quarterly User Rates</b>	<b>215</b>	<b>215</b>	<b>224</b>	<b>233</b>	<b>242</b>	<b>252</b>	<b>262</b>	<b>272</b>	<b>283</b>	<b>294</b>	<b>306</b>	<b>318</b>
			<b>4.0%</b>	<b>4.0%</b>	<b>4.0%</b>	<b>4.0%</b>	<b>4.0%</b>	<b>4.0%</b>	<b>4.0%</b>	<b>4.0%</b>	<b>4.0%</b>	<b>4.0%</b>
<i>Usage charges</i>	174	174	149	158	157	179	189	199	210	235	247	227
<i>Debt service surcharges</i>	41	41	75	75	85	73	73	73	73	59	59	91
Annual increase - Total			4.2%	4.0%	4%	4%	4%	4%	4%	4%	4%	4%
Annual increase - Usage chg. Only			-14.4%	6.0%	-1%	14%	6%	5%	6%	12%	5%	-8%
	Act	EOY PROJ	PROJECTED									
<b>RESOURCES</b>	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
<b>BEGINNING BALANCE</b>	290,027	327,192	341,611	287,644	248,150	201,669	178,963	164,169	157,198	156,385	182,956	209,648
<b>REVENUE</b>												
USER FEES	231,810	235,154	247,841	217,408	217,288	249,168	264,600	280,192	297,360	334,640	353,704	326,880
EXCESS USAGE CHARGES	33,039	23,357	15,000	17,393	17,383	19,933	21,168	22,415	23,789	26,771	21,222	19,613
FEE SURCHARGE FOR DEBT	54,571	55,352	55,365	100,821	114,066	98,182	98,182	98,182	98,182	78,862	78,862	122,014
PROPERTY TAX RECEIPTS	150,541	144,325	140,000	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600
OTHER	14,155	12,536	6,064	6,216	6,371	6,562	6,759	6,962	7,240	7,530	7,831	8,144
<b>TOTAL REVENUE</b>	<b>484,116</b>	<b>470,724</b>	<b>464,269</b>	<b>486,437</b>	<b>499,708</b>	<b>518,446</b>	<b>535,309</b>	<b>552,351</b>	<b>571,171</b>	<b>592,403</b>	<b>606,219</b>	<b>621,251</b>
<b>ADDITIONAL DEBT/GRANTS</b>												
SCADA Upgrade			375,000									350,000
Membranes & Screens					180,000							
Webb Lift Station												350,000
<b>TOTAL ADDITIONAL DEBT</b>												
<b>TOTAL RESOURCES</b>	<b>774,143</b>	<b>797,916</b>	<b>1,180,880</b>	<b>774,081</b>	<b>927,858</b>	<b>720,115</b>	<b>714,272</b>	<b>716,520</b>	<b>728,369</b>	<b>748,788</b>	<b>789,175</b>	<b>1,180,899</b>



**ARCH CAPE SANITARY DISTRICT  
LONG RANGE FINANCIAL PLAN**

REQUIREMENTS	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
<b>EXPENDITURES</b>												
MATERIALS & SVCS												
WD IGA CHARGES	125,515	131,407	140,368	144,752	148,371	152,822	157,407	162,129	168,614	175,359	182,373	189,668
MAINTENANCE & CHEMICALS	43,214	46,428	45,500	46,638	47,803	49,238	50,715	52,236	54,326	56,499	58,759	61,109
UTILITIES	43,117	44,246	46,000	47,150	48,329	49,779	51,272	52,810	54,923	57,119	59,404	61,780
GEN'L & ADMINISTRATIVE	30,071	35,103	40,947	41,971	43,020	44,311	45,640	47,009	48,889	50,845	52,879	54,994
TOTAL M&S	241,917	257,184	272,815	280,510	287,523	296,149	305,033	314,184	326,751	339,822	353,414	367,551
DEBT SERVICE	54,587	54,521	100,821	100,821	114,066	98,182	98,182	98,182	98,182	78,862	78,862	122,014
USDA PLANT UPGRADE - GO BONDS	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600
CONTINGENCY	37,000	39,000	40,922	42,077	43,128	44,422	45,755	47,128	49,013	50,973	53,012	55,133
CONTINGENCY SPENT (@ 5%/yr)						2,221	2,288	2,356	2,451	2,549	2,651	2,757
CAPITAL OUTLAY	16,715											
<b>TOTAL OPERATING EXPENDITURES</b>	<b>457,819</b>	<b>456,305</b>	<b>518,236</b>	<b>525,931</b>	<b>546,189</b>	<b>541,152</b>	<b>550,103</b>	<b>559,322</b>	<b>571,984</b>	<b>565,832</b>	<b>579,527</b>	<b>636,922</b>
<b>TRANSFER TO CAPITAL FUND</b>			<b>375,000</b>		<b>180,000</b>							<b>350,000</b>
CONTINGENCY		39,000	40,922	42,077	43,128	44,422	45,755	47,128	49,013	50,973	53,012	55,133
DESIGNATED RESERVES		72,123	34,409	20,256	20,256	20,256	5,000	5,000	5,000	5,000		
UNDESIGNATED	316,324	230,488	212,313	185,818	138,285	114,285	113,414	105,070	102,372	126,982	156,636	138,845
<b>CONTING. + ENDING BALANCE</b>	<b>316,324</b>	<b>341,611</b>	<b>287,644</b>	<b>248,150</b>	<b>201,669</b>	<b>178,963</b>	<b>164,169</b>	<b>157,198</b>	<b>156,385</b>	<b>182,956</b>	<b>209,648</b>	<b>193,977</b>
<b>TOTAL REQUIREMENTS</b>	<b>774,143</b>	<b>797,916</b>	<b>1,180,880</b>	<b>774,081</b>	<b>927,858</b>	<b>720,115</b>	<b>714,272</b>	<b>716,520</b>	<b>728,369</b>	<b>748,788</b>	<b>789,175</b>	<b>1,180,899</b>
<b>END BAL OVER/(UNDER) BEG BAL</b>	<b>26,297</b>	<b>14,419</b>	<b>(53,967)</b>	<b>(39,494)</b>	<b>(46,481)</b>	<b>(22,706)</b>	<b>(14,794)</b>	<b>(6,971)</b>	<b>(813)</b>	<b>26,571</b>	<b>26,692</b>	<b>(15,671)</b>
<b>RESOURCES OVER/(UNDER) REQ.</b>												
<b>LIQUIDITY REQ'MENT: 16% OP EXP</b>	76,303	76,051	82,918	84,149	87,390	86,584	88,016	89,492	91,517	90,533	92,724	101,907
ENDING BALANCE MINUS LIQUIDITY	240,021	265,560	204,726	164,001	114,279	92,379	76,153	67,706	64,867	92,422	116,923	92,070
<b>CAPITAL ENDING BALANCE</b>	107,780	124,130	119,480	136,239	153,416	171,110	189,333	208,104	227,625	247,928	269,042	291,001

LRFP Blended Rates :	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Water Qtrly Rate	140	160	163	168	173	178	183	188	194	200	206	212
Sanitary Qtrly Rate	215	215	224	233	242	252	262	272	283	294	306	318
Water Rate % Chg		14%	2%	3%	3%	3%	3%	3%	3%	3%	3%	3%
Sanitary Rate % Chg			4%	4%	4%	4%	4%	4%	4%	4%	4%	4%
Water Qtrly Rate : Annual \$	\$ 560	\$ 640	\$ 652	\$ 672	\$ 692	\$ 712	\$ 732	\$ 752	\$ 776	\$ 800	\$ 824	\$ 848
Sanitary Qtrly Rate : Annual \$	\$ 860	\$ 860	\$ 896	\$ 932	\$ 968	\$ 1,008	\$ 1,048	\$ 1,088	\$ 1,132	\$ 1,176	\$ 1,224	\$ 1,272
Total Yearly Utility Cost	\$ 1,420	\$ 1,500	\$ 1,548	\$ 1,604	\$ 1,660	\$ 1,720	\$ 1,780	\$ 1,840	\$ 1,908	\$ 1,976	\$ 2,048	\$ 2,120
Total Annual % Chg		6%	3%	4%	3%	4%	3%	3%	4%	4%	4%	4%



**ARCH CAPE SANITARY DISTRICT  
LONG RANGE FINANCIAL PLAN**

SANITARY DISTRICT - CAPITAL FUND													
	Act	PROJECTED											
		EOY PROJ	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
<b>RESOURCES</b>													
<b>BEGINNING BALANCE</b>	<b>76,280</b>	<b>107,780</b>	<b>124,130</b>	<b>119,480</b>	<b>136,239</b>	<b>153,416</b>	<b>171,110</b>	<b>189,333</b>	<b>208,104</b>	<b>227,625</b>	<b>247,928</b>	<b>269,042</b>	<b>269,042</b>
<b>REVENUE</b>													
SDC REVENUE	31,500	16,350	16,350	16,759	17,178	17,693	18,224	18,771	19,521	20,302	21,114	21,959	21,959
<b>TOTAL REVENUE</b>	<b>31,500</b>	<b>16,350</b>	<b>16,350</b>	<b>16,759</b>	<b>17,178</b>	<b>17,693</b>	<b>18,224</b>	<b>18,771</b>	<b>19,521</b>	<b>20,302</b>	<b>21,114</b>	<b>21,959</b>	<b>21,959</b>
<b>TRANSFER FROM GENERAL FUND</b>			<b>375,000</b>		<b>180,000</b>								<b>350,000</b>
<b>TOTAL RESOURCES</b>	<b>107,780</b>	<b>124,130</b>	<b>515,480</b>	<b>136,239</b>	<b>333,416</b>	<b>171,110</b>	<b>189,333</b>	<b>208,104</b>	<b>227,625</b>	<b>247,928</b>	<b>269,042</b>	<b>269,042</b>	<b>641,001</b>

**REQUIREMENTS**

SANITARY DISTRICT - G.O. DEBT SVC													
	Act	PROJECTED											
		EOY PROJ	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
<b>EXPENDITURES</b>													
Membrane Replacement			325,000										350,000
Screening Upgrade			50,000										
SCADA Upgrade			21,000										
Webb Station Upgrade				180,000									
<b>TOTAL EXPENDITURES</b>			<b>396,000</b>		<b>180,000</b>								<b>350,000</b>
<b>ENDING BALANCE</b>	<b>107,780</b>	<b>124,130</b>	<b>119,480</b>	<b>136,239</b>	<b>153,416</b>	<b>171,110</b>	<b>189,333</b>	<b>208,104</b>	<b>227,625</b>	<b>247,928</b>	<b>269,042</b>	<b>269,042</b>	<b>291,001</b>
<b>TOTAL REQUIREMENTS</b>	<b>107,780</b>	<b>124,130</b>	<b>515,480</b>	<b>136,239</b>	<b>333,416</b>	<b>171,110</b>	<b>189,333</b>	<b>208,104</b>	<b>227,625</b>	<b>247,928</b>	<b>269,042</b>	<b>269,042</b>	<b>641,001</b>
<b>REVENUE OVER/(UNDER) EXPENDS</b>	<b>31,500</b>	<b>16,350</b>	<b>(379,650)</b>	<b>16,759</b>	<b>(162,822)</b>	<b>17,693</b>	<b>18,224</b>	<b>18,771</b>	<b>19,521</b>	<b>20,302</b>	<b>21,114</b>	<b>(328,041)</b>	

**SANITARY DISTRICT - G.O. DEBT SVC**

SANITARY DISTRICT - G.O. DEBT SVC													
	Act	PROJECTED											
		EOY PROJ	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
<b>RESOURCES</b>													
<b>BEGINNING BALANCE</b>	<b>9,284</b>	<b>15,226</b>	<b>6,026</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>
<b>TAX IMPOSED</b>	<b>147,551</b>	<b>142,000</b>	<b>140,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>	<b>146,000</b>
<b>REVENUE</b>													
PROPERTY TAX RECEIPTS	150,542	135,400	140,000	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600	144,600
<b>TOTAL REVENUE</b>	<b>150,542</b>	<b>135,400</b>	<b>140,000</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>	<b>144,600</b>
<b>TOTAL RESOURCES</b>	<b>159,826</b>	<b>150,626</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>
<b>REQUIREMENTS</b>													
<b>EXPENDITURES</b>													
<b>ENDING BALANCE</b>	<b>15,226</b>	<b>6,026</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>	<b>1,426</b>
<b>TOTAL REQUIREMENTS</b>	<b>159,826</b>	<b>150,626</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>	<b>146,026</b>

**ARCH CAPE SANITARY DISTRICT  
LONG RANGE FINANCIAL PLAN**

SANITARY DISTRICT - GENERAL FUND											Totals																																																																																				
2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29																																																																																						
<b>Loans</b>											905,000																																																																																				
<table border="0" style="width:100%"> <tr> <td style="width:10%">Membranes &amp; Screens</td> <td style="width:10%">375,000</td> <td style="width:10%">Webb</td> <td style="width:10%">180,000</td> <td colspan="7"></td> <td style="width:10%">Membranes</td> <td style="width:10%">350,000</td> </tr> <tr> <td></td> <td>10 Yrs at 4%</td> <td>20 Yrs at 4%</td> <td colspan="7"></td> <td>10 Yrs at 4%</td> <td></td> </tr> <tr> <td></td> <td>46,234</td> <td>13,245</td> <td colspan="7"></td> <td>pmt</td> <td>43,152</td> </tr> <tr> <td></td> <td>462,340</td> <td>264,900</td> <td colspan="7"></td> <td>tot exp</td> <td>431,520</td> </tr> <tr> <td></td> <td>87,340</td> <td>84,900</td> <td colspan="7"></td> <td>int exp</td> <td>81,520</td> </tr> <tr> <td colspan="11"></td> <td>1,158,760</td> </tr> <tr> <td colspan="11"></td> <td>253,760</td> </tr> </table>											Membranes & Screens	375,000	Webb	180,000								Membranes	350,000		10 Yrs at 4%	20 Yrs at 4%								10 Yrs at 4%			46,234	13,245								pmt	43,152		462,340	264,900								tot exp	431,520		87,340	84,900								int exp	81,520												1,158,760												253,760
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