

# Central Davis Sewer District

# **BUDGET 2008**



**December 13, 2007**

**Central Davis Sewer District**  
**2008 Budget Matrix**

# Central Davis Sewer District - 2007 Budget

## TREATMENT PLANT - 2007 - 2008 Final

	Expended 2006	Budget 2007	To Date Expended 2007	Forecast To Go 2007	Forecast Total 2007	Budget 2008
<b>OPERATING REVENUES</b>						
Service Charges	1,774,108	1,780,000	1,537,739	304,261	1,842,000	1,986,000
Property Taxes	526,659	439,000	99,570	407,430	507,000	509,000
<b>Total Oper. Revenue</b>	<b>2,300,767</b>	<b>2,219,000</b>	<b>1,637,309</b>	<b>711,691</b>	<b>2,349,000</b>	<b>2,495,000</b>
<b>OPERATING EXPENSES</b>						
Salaries & Wages	453,440	455,000	436,720	43,280	480,000	468,000
Employee Benefits	191,792	205,000	198,834	16,166	215,000	211,000
Board of Trustee Fees	13,200	13,000	12,100	900	13,000	25,000
Office Supply/Expense	21,251	24,000	21,718	2,282	24,000	25,000
Repairs & Maintenance	235,540	258,000	246,195	18,805	265,000	271,000
Utilities	235,904	254,000	211,115	32,885	244,000	264,000
Trunk System Repairs	42,627					
Chemicals	61,739	62,000	49,466	8,534	58,000	60,000
Chemical Analysis	23,396	35,000	23,555	9,445	33,000	34,000
Professional Services	137,628	169,000	132,085	37,915	170,000	344,000
Insurance & Bonds	52,170	59,000	43,581	2,419	46,000	52,000
Miscellaneous	27,714	68,000	25,700	6,300	32,000	34,000
Depreciation	1,065,223	1,178,000	1,098,000	0	1,098,000	1,178,000
<b>Total Oper. Expense</b>	<b>2,561,624</b>	<b>2,780,000</b>	<b>2,499,069</b>	<b>178,931</b>	<b>2,678,000</b>	<b>2,966,000</b>
<b>OPERATING INCOME</b>	<b>(260,858)</b>	<b>(561,000)</b>	<b>(861,760)</b>	<b>532,760</b>	<b>(329,000)</b>	<b>(471,000)</b>
<b>NON-OPERATING INCOME (EXPENSE)</b>						
Interest Income	227,663	172,000	197,765	34,235	232,000	186,000
Impact Fees	1,249,859	675,000	687,068	94,932	782,000	586,000
Sundry Revenue	62,015	56,000	59,283	717	60,000	55,000
Interest on Bonds	(194,488)	(181,000)	0	(181,000)	(181,000)	(164,000)
Revenue Bond Proceeds	405,000					100,000
<b>Non-Oper Inc./Loss</b>	<b>1,750,049</b>	<b>722,000</b>	<b>944,116</b>	<b>(51,116)</b>	<b>893,000</b>	<b>763,000</b>
<b>GROSS INCOME</b>	<b>1,489,191</b>	<b>161,000</b>	<b>82,356</b>	<b>481,644</b>	<b>564,000</b>	<b>292,000</b>
<b>OTHER EXPENDITURES</b>						
Bond Retirement	521,000	537,000	0	537,000	537,000	553,000
Capital Improvements	2,001,442	327,000	236,891	43,109	280,000	970,000
<b>Total Other Expenditures</b>	<b>2,522,442</b>	<b>864,000</b>	<b>236,891</b>	<b>580,109</b>	<b>817,000</b>	<b>1,523,000</b>
<b>NET INCOME</b>	<b>(1,033,251)</b>	<b>(703,000)</b>	<b>(154,535)</b>	<b>(98,465)</b>	<b>(253,000)</b>	<b>(1,231,000)</b>
<b>ADD DEPRECIATION</b>	<b>1,065,223</b>	<b>1,178,000</b>	<b>1,098,000</b>	<b>0</b>	<b>1,098,000</b>	<b>1,100,000</b>
<b>CASH INCREASE/DECR.</b>	<b>31,972</b>	<b>475,000</b>	<b>943,465</b>	<b>(98,465)</b>	<b>845,000</b>	<b>(131,000)</b>

# Central Davis Sewer District - 2007 Budget

## COLLECTIONS SYSTEM - 2007 - 2008 **Final**

	Expended 2006	Budget 2007	To Date Expended 2007	Forecast To Go 2007	Forecast Total 2007	Budget 2008
<b>OPERATING REVENUES</b>						
Service Charges	699,361	716,000	634,406	129,594	764,000	781,000
Property Taxes	0	0	0	0	0	0
	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>
Total Oper. Revenue	699,361	716,000	634,406	129,594	764,000	781,000
<b>OPERATING EXPENSES</b>						
Salaries & Wages	273,802	296,000	290,050	29,950	320,000	344,000
Employee Benefits	102,428	133,000	132,056	14,944	147,000	155,000
Office Supply/Expense	4,404	5,000	3,233	1,767	5,000	5,000
General Maintenance	40,762	46,000	53,637	11,363	65,000	68,000
Collection Repairs/Claims	99,393	130,000	74,717	27,283	102,000	106,000
Professional Services	16,160	17,000	8,922	5,078	14,000	15,000
Insurance & Bonds	23,000	27,000	30,800	1,200	32,000	38,000
Miscellaneous	1,368	1,000	4,185	1,815	6,000	4,000
Depreciation	296,222	336,000	336,000	0	336,000	336,000
	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>
Total Oper. Expense	857,539	991,000	933,600	93,400	1,027,000	1,071,000
GROSS INCOME	(158,178)	(275,000)	(299,194)	36,194	(263,000)	(290,000)
<b>OTHER ITEMS</b>						
Sundry Revenue	0	0	200	0	200	0
Capital Improvements	35,747	1,100,000	1,045,571	82,429	1,128,000	250,000
	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>
Total Other Expenditures	35,747	1,100,000	1,045,371	82,429	1,127,800	250,000
NET INCOME	(193,925)	(1,375,000)	(1,344,565)	(46,235)	(1,390,800)	(540,000)
ADD DEPRECIATION	296,222	336,000	336,000	0	336,000	336,000
	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>	<u>        </u>
CASH INCREASE/DECR.	102,297	(1,039,000)	(1,008,565)	(46,235)	(1,054,800)	(204,000)

# Central Davis Sewer District - 2007 Budget

## TREATMENT PLANT AND COLLECTION SYSTEM - 2007 - 2008 - Final

	Expended 2006	Budget 2007	To Date Expended 2007	Forecast To Go 2007	Forecast Total 2007	Budget 2008
<b>OPERATING REVENUES</b>						
Service Charges	2,473,469	2,496,000	2,172,145	433,855	2,606,000	2,767,000
Property Taxes	526,659	439,000	99,570	407,430	507,000	509,000
<b>Total Oper. Revenue</b>	<b>3,000,128</b>	<b>2,935,000</b>	<b>2,271,715</b>	<b>841,285</b>	<b>3,113,000</b>	<b>3,276,000</b>
<b>OPERATING EXPENSES</b>						
Salaries & Wages	727,242	751,000	726,770	73,230	800,000	812,000
Employee Benefits	294,220	338,000	330,890	31,110	362,000	366,000
Board of Trustee Fees	13,200	13,000	12,100	900	13,000	25,000
Office Supply/Expense	25,655	29,000	24,951	4,049	29,000	30,000
Repairs & Maintenance	276,302	304,000	299,832	30,168	330,000	339,000
Utilities	235,904	254,000	211,115	32,885	244,000	264,000
Trunk System Repairs	142,020	130,000	74,717	27,283	102,000	106,000
Chemicals	61,739	62,000	49,466	8,534	58,000	60,000
Chemical Analysis	23,396	35,000	23,555	9,445	33,000	34,000
Professional Services	153,788	186,000	141,007	42,993	184,000	359,000
Insurance & Bonds	75,170	86,000	74,381	3,619	78,000	90,000
Miscellaneous	29,082	69,000	29,885	8,115	38,000	38,000
Depreciation	1,361,445	1,514,000	1,434,000	0	1,434,000	1,514,000
<b>Total Oper. Expense</b>	<b>3,419,163</b>	<b>3,771,000</b>	<b>3,432,669</b>	<b>272,331</b>	<b>3,705,000</b>	<b>4,037,000</b>
<b>OPERATING INCOME</b>	<b>(419,036)</b>	<b>(836,000)</b>	<b>(1,160,954)</b>	<b>568,954</b>	<b>(592,000)</b>	<b>(761,000)</b>
<b>NON-OPERATING INCOME (EXPENSE)</b>						
Interest Income	227,663	172,000	197,765	34,235	232,000	186,000
Impact Fees	1,249,859	675,000	687,068	94,932	782,000	586,000
Sundry Revenue	62,015	56,000	59,483	717	60,200	55,000
Interest on Bonds	(194,488)	(181,000)	0	(181,000)	(181,000)	(164,000)
Revenue Bond Proceeds	405,000	0	0	0	0	100,000
<b>Non-Oper Inc./Loss</b>	<b>1,750,049</b>	<b>722,000</b>	<b>944,316</b>	<b>(51,116)</b>	<b>893,200</b>	<b>763,000</b>
<b>GROSS INCOME</b>	<b>1,331,013</b>	<b>(114,000)</b>	<b>(216,638)</b>	<b>517,838</b>	<b>301,200</b>	<b>2,000</b>
<b>OTHER EXPENDITURES</b>						
Bond Retirement	521,000	537,000	0	537,000	537,000	553,000
Capital Improvements	2,037,189	1,427,000	1,282,462	125,538	1,408,000	1,220,000
<b>Total Other Expenditures</b>	<b>2,558,189</b>	<b>1,964,000</b>	<b>1,282,462</b>	<b>662,538</b>	<b>1,945,000</b>	<b>1,773,000</b>
<b>NET INCOME</b>	<b>(1,227,176)</b>	<b>(2,078,000)</b>	<b>(1,499,100)</b>	<b>(144,700)</b>	<b>(1,643,800)</b>	<b>(1,771,000)</b>
<b>ADD DEPRECIATION</b>	<b>1,361,445</b>	<b>1,514,000</b>	<b>1,434,000</b>	<b>0</b>	<b>1,434,000</b>	<b>1,514,000</b>
<b>CASH INCREASE/DECR.</b>	<b>134,269</b>	<b>(564,000)</b>	<b>(65,100)</b>	<b>(144,700)</b>	<b>(209,800)</b>	<b>(257,000)</b>

**Central Davis Sewer District**  
**5 year Capital Forecast**

**Central Davis Sewer District  
Five Year Project Analysis  
2008**

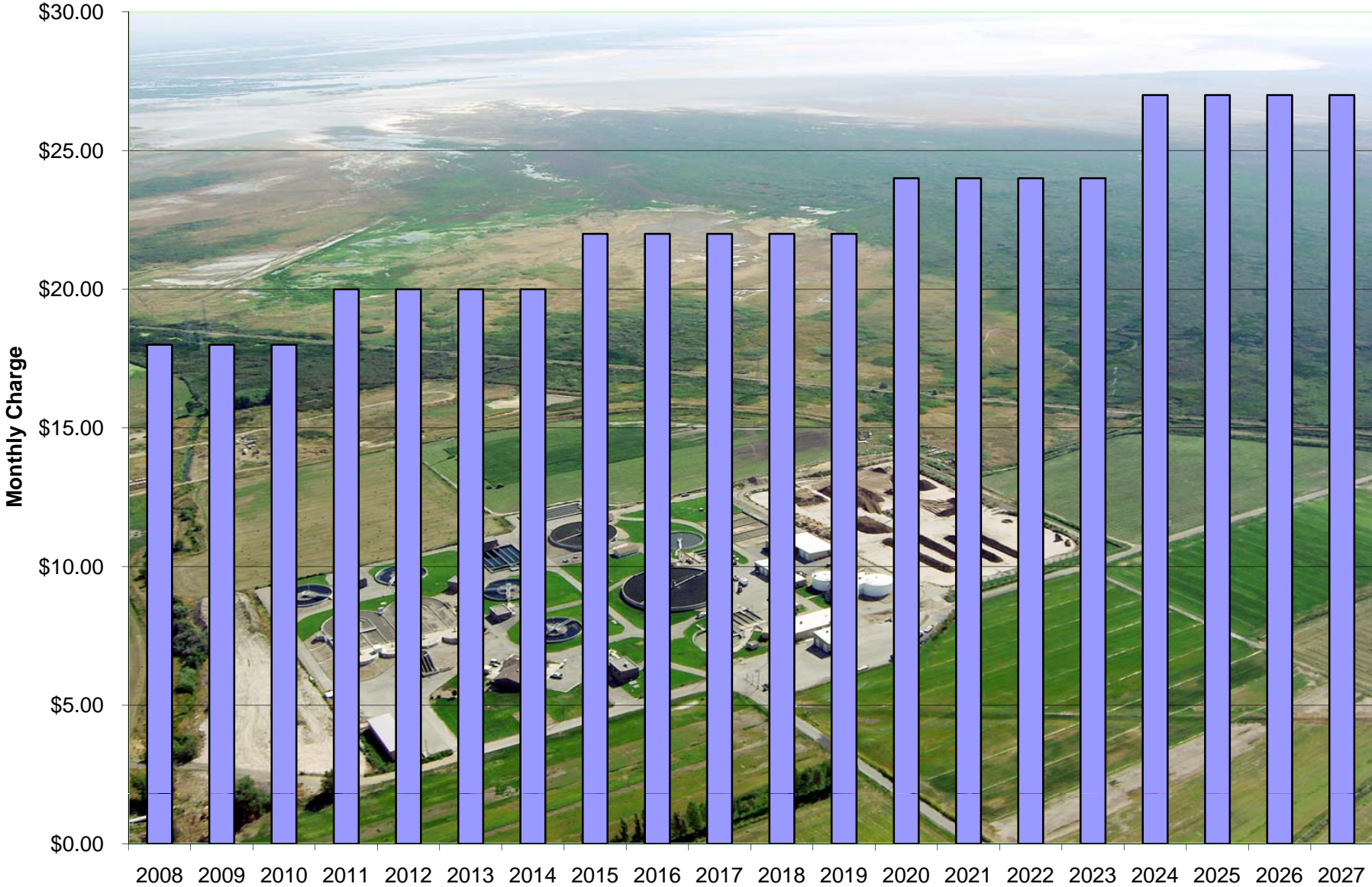
<b>Treatment Plant Projects</b>	<b>Est.Costs</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
Bio-Gas Use - Boiler Addition	\$ 97,000				\$ 97,000	
Primary Sludge Pumping Upgrade	\$ 45,000			\$ 45,000		
Perimeter Fencing	\$ 64,000	\$ 32,000	\$ 32,000			
Anaerobic Biosolids Digester Controls	\$ 51,000			\$ 51,000		
Composting Cover System	\$ 172,000					\$ 172,000
Secondary T/F Clarifier Replacement	\$ 350,000				\$ 350,000	
Automated Turf Irrigation System	\$ 25,000		\$ 25,000			
Building - Office/Storage	\$ 500,000	\$ 500,000				
<b>Major Treatment Plant Repairs</b>						
Disinfection System Upgrades	\$ 17,000	\$ 17,000				
Rectangular Clarifier Chains and Flights	\$ 39,000		\$ 39,000		\$ 39,000	
Natural Gas Piping Replacement Project	\$ 60,000			\$ 60,000		
Treatment Plant Asphalt Repair and Seal.	\$ 44,000	\$ 44,000				
RAS #1 Pumping System Upgrade	\$ 44,000	\$ 44,000				
Pump and Equipment Upgrades & Spares	\$ 70,000	\$ 70,000				
Instrumentation Updates & Enhancements	\$ 20,000	\$ 20,000				
<b>Treatment Plant Equipment</b>						
Replacement Tractors	\$ 54,000				\$ 54,000	
Lawn Mower	\$ 14,000	\$ 14,000				
Compost Pile Turner	\$ 144,000			\$ 144,000		
Effluent Composit Sampler	\$ 9,000	\$ 9,000				
Accounting System Upgrade	\$ 10,000	\$ 10,000				
Copier	\$ 12,000					
Tractor and Reel Mower	\$ 81,000		\$ 81,000			
Equipment/Vehicle Annual Rollover	\$ 425,000	\$ 185,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
Misc. Small Capital Purchases	\$ 125,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
Total Costs	\$ 2,472,000	\$ 970,000	\$ 262,000	\$ 385,000	\$ 625,000	\$ 257,000
<b>Collections System Capital Projects</b>	\$ 2,607,000	\$ 250,000	\$ 1,183,000	\$ 817,000	\$ 84,000	\$ 234,000
<b>Total All Capital Projects</b>	\$ 5,079,000	\$ 1,220,000	\$ 1,445,000	\$ 1,202,000	\$ 709,000	\$ 491,000

**Central Davis Sewer District  
Five Year Project Analysis**

<b>Collection System Projects</b>	<b>Est.Costs</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	
Galbraith P/S In-line Grinder	\$ 16,000	\$ 16,000					
Collection Metering Stations	\$ 120,000	\$ 24,000	\$ 24,000	\$ 24,000	\$ 24,000	\$ 24,000	\$ 24,000
Shirley Rae Drive Sewer Line	\$ 150,000						\$ 150,000
Shepard Lane Generator	\$ 39,000						
Pump Station Bypass Piping	\$ 50,000		\$ 50,000				
<b>Collection System Rehabilitation</b>							
Contential Estates Realignment	\$ 134,000		\$ 134,000				
Burke Lane Replacement	\$ 173,000		\$ 173,000				
Flint Street Capacity Upgrade	\$ 733,000			\$ 733,000			
West Farmington Pressure Line Updgrade	\$ 392,000		\$ 392,000				
Misc. Collections Upgrade	\$ 119,000	\$ 119,000					
Emergency Repairs or Upgrades	\$ 250,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
<b>Collection System Equipment</b>							
Replacement Flusher Truck	\$ 350,000		\$ 350,000				
Emergency Diesel Pump - 6-inch	\$ 31,000	\$ 31,000					
Misc. Small Capital Purchases	\$ 50,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
<b>Total Costs</b>	<b>\$ 2,607,000</b>	<b>\$ 250,000</b>	<b>\$ 1,183,000</b>	<b>\$ 817,000</b>	<b>\$ 84,000</b>	<b>\$ 234,000</b>	

**Central Davis Sewer District**  
**20 Year Rate Forecast**

# Central Davis Sewer District - Rates Analysis - 2008



**Central Davis Sewer District**  
**RATE STUDY - DECEMBER, 2007**  
For Budget Year 2008

ITEM	Jan-08	Jan-09	Jan-10	Jan-11	Jan-12	Jan-13	Jan-14	Jan-15	Jan-16	Jan-17	Jan-18
<b>ITEM</b>	<b>Jan-08</b>	<b>Jan-09</b>	<b>Jan-10</b>	<b>Jan-11</b>	<b>Jan-12</b>	<b>Jan-13</b>	<b>Jan-14</b>	<b>Jan-15</b>	<b>Jan-16</b>	<b>Jan-17</b>	<b>Jan-18</b>
RESIDENT RATE/MO.	13.00	13.00	13.00	13.00	13.00	13.00	13.00	14.00	14.00	14.00	14.00
COLLECTION RATE	5.00	5.00	5.00	7.00	7.00	7.00	7.00	8.00	8.00	8.00	8.00
<b>TOTAL MONTHLY RATE</b>	<b>\$18.00</b>	<b>\$18.00</b>	<b>\$18.00</b>	<b>\$20.00</b>	<b>\$20.00</b>	<b>\$20.00</b>	<b>\$20.00</b>	<b>\$22.00</b>	<b>\$22.00</b>	<b>\$22.00</b>	<b>\$22.00</b>
TOTAL OPER. REVENUE	3,432,000	3,561,103	3,623,317	4,030,910	4,098,421	4,154,232	4,210,090	4,632,920	4,692,399	4,732,550	4,772,754
OPERATING EXPENDITURE	2,289,000	2,405,844	2,526,136	2,652,443	2,835,465	2,977,238	3,126,100	3,282,405	3,446,526	3,676,452	3,860,275
<b>NET REVENUE</b>	<b>1,143,000</b>	<b>1,155,259</b>	<b>1,097,180</b>	<b>1,378,467</b>	<b>1,262,956</b>	<b>1,176,994</b>	<b>1,083,990</b>	<b>1,350,514</b>	<b>1,245,873</b>	<b>1,056,098</b>	<b>912,480</b>
All Outstanding Bonds	718,000	718,000	718,000	632,000	556,000	556,000	556,000	556,000	556,000	556,000	556,000
<b>TOTAL DEBT SERVICE</b>	<b>718,000</b>	<b>718,000</b>	<b>718,000</b>	<b>632,000</b>	<b>556,000</b>	<b>556,000</b>	<b>556,000</b>	<b>556,000</b>	<b>556,000</b>	<b>556,000</b>	<b>556,000</b>
AVAIL. FOR PROJECT CONNECTION FEES	425,000 561,000	437,259 415,957	379,180 415,957	746,467 415,957	706,956 332,766	620,994 332,766	527,990 332,766	794,514 332,766	689,873 207,979	500,098 207,979	356,480 207,979
<b>TOTAL REVENUE AVAILABLE</b>	<b>986,000</b>	<b>853,216</b>	<b>795,138</b>	<b>1,162,425</b>	<b>1,039,722</b>	<b>953,760</b>	<b>860,756</b>	<b>1,127,280</b>	<b>897,852</b>	<b>708,077</b>	<b>564,458</b>
<b>NET REVENUE TO ADS</b>	<b>137%</b>	<b>119%</b>	<b>111%</b>	<b>184%</b>	<b>187%</b>	<b>172%</b>	<b>155%</b>	<b>203%</b>	<b>161%</b>	<b>127%</b>	<b>102%</b>

**Central Davis Sewer District**  
**RATE STUDY - DECEMBER, 2007**  
For Budget Year 2008

ITEM	Jan-19	Jan-20	Jan-21	Jan-22	Jan-23	Jan-24	Jan-25	Jan-26	Jan-27
<b>ITEM</b>	<b>Jan-19</b>	<b>Jan-20</b>	<b>Jan-21</b>	<b>Jan-22</b>	<b>Jan-23</b>	<b>Jan-24</b>	<b>Jan-25</b>	<b>Jan-26</b>	<b>Jan-27</b>
RESIDENT RATE/MO.	14.00	15.00	15.00	15.00	15.00	18.00	18.00	18.00	18.00
COLLECTION RATE	8.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
<b>TOTAL MONTHLY RATE</b>	<b>\$22.00</b>	<b>\$24.00</b>	<b>\$24.00</b>	<b>\$24.00</b>	<b>\$24.00</b>	<b>\$27.00</b>	<b>\$27.00</b>	<b>\$27.00</b>	<b>\$27.00</b>
TOTAL OPER. REVENUE	4,813,010	5,238,808	5,282,544	5,326,339	5,370,192	6,012,614	6,061,674	6,110,801	6,159,997
OPERATING EXPENDITURE	4,053,288	4,255,953	4,528,750	4,755,188	5,064,947	5,318,195	5,584,104	5,863,309	6,156,475
<b>NET REVENUE</b>	<b>759,722</b>	<b>982,855</b>	<b>753,794</b>	<b>571,151</b>	<b>305,245</b>	<b>694,419</b>	<b>477,570</b>	<b>247,492</b>	<b>3,523</b>
All Outstanding Bonds	0	164,000	164,000	164,000	164,000	0	0	0	0
<b>TOTAL DEBT SERVICE</b>	<b>164,000</b>	<b>164,000</b>	<b>164,000</b>	<b>164,000</b>	<b>164,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
AVAIL. FOR PROJECT	595,722	818,855	589,794	407,151	141,245	694,419	477,570	247,492	3,523
CONNECTION FEES	207,979	207,979	207,979	207,979	207,979	207,979	207,979	207,979	207,979
<b>TOTAL REVENUE AVAILABLE</b>	<b>803,701</b>	<b>1,026,834</b>	<b>797,772</b>	<b>615,129</b>	<b>349,224</b>	<b>902,398</b>	<b>685,548</b>	<b>455,471</b>	<b>211,501</b>
<b>NET REVENUE TO ADS</b>	<b>490%</b>	<b>626%</b>	<b>486%</b>	<b>375%</b>	<b>213%</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

**Central Davis Sewer District  
RATE STUDY - DECEMBER, 2007  
For Budget Year 2008**

ITEM	Jan-08	Jan-09	Jan-10	Jan-11	Jan-12
Cash Reserves	\$3,838,000	\$3,399,736	\$3,128,863	\$3,707,443	\$4,170,462
	Jan-13	Jan-14	Jan-15	Jan-16	Jan-17
Cash Reserves	\$4,341,040	\$4,475,438	\$4,881,736	\$5,074,857	\$5,713,928
	Jan-18	Jan-19	Jan-20	Jan-21	Jan-22
Cash Reserves	\$5,106,943	\$5,114,922	\$5,346,353	\$4,957,979	\$4,871,428
	Jan-23	Jan-24	Jan-25	Jan-26	Jan-27
Cash Reserves	\$4,415,509	\$4,494,527	\$3,859,857	\$3,469,722	\$2,820,012

**Central Davis Sewer District**  
**RATE STUDY - DECEMBER, 2007**  
For Budget Year 2008

**GENERAL INFORMATION**

ESTIMATED POPULATION	47,000	End 2007
EST RESIDENTIAL CONN PERSONS/CONNECTION	11,500	
EST COMMERCIAL CONN	535	
CONNECTION FEE	\$1,700	

RESIDENT RATE/MO.	\$18.00	\$18.00	\$18.00	\$20.00	\$20.00	\$20.00	\$20.00	\$22.00	\$22.00	\$22.00	\$22.00	\$22.00	\$24.00
CURRENT TAX REVENUE	500,000												

ITEM	Jan-08	Jan-09	Jan-10	Jan-11	Jan-12	Jan-13	Jan-14	Jan-15	Jan-16	Jan-17	Jan-18	Jan-19	Jan-20
<b>POPULATION/CONNECTIONS</b>													
PROJECTED POPULATION	47,000	48,000	49,000	50,000	50,800	51,600	52,400	53,200	53,700	54,200	54,700	55,200	55,700
NEW RESIDENTIAL CONN.	330	245	245	245	196	196	196	196	122	122	122	122	122
RESIDENTIAL CONNECT.	11,830	12,075	12,319	12,564	12,760	12,956	13,151	13,347	13,469	13,592	13,714	13,836	13,959
COMMERCIAL CONNECT.	540	546	551	557	562	568	574	579	585	591	597	603	609
<b>CAPITAL PROJECT REVENUES</b>													
CONNECTION FEES	561,000	415,957	415,957	415,957	332,766	332,766	332,766	332,766	207,979	207,979	207,979	207,979	207,979
BALANCE PREVIOUS	3,900,000	3,838,000	3,399,736	3,128,863	3,707,443	4,170,462	4,341,040	4,475,438	4,881,736	5,774,857	5,713,928	5,106,943	5,114,922
FROM THIS YR O&M	425,000	437,259	379,180	746,467	706,956	620,994	527,990	794,514	689,873	500,098	356,480	595,722	818,855
INTEREST INCOME	172,000	153,520	135,989	125,155	148,298	166,818	173,642	179,018	195,269	230,994	228,557	204,278	204,597
BONDING REVENUES													
AMOUNT USED THIS YR	1,220,000	1,445,000	1,202,000	709,000	725,000	950,000	900,000	900,000	900,000	1,000,000	1,400,000	1,000,000	1,000,000
BALANCE ON HAND - Yr End	3,838,000	3,399,736	3,128,863	3,707,443	4,170,462	4,341,040	4,475,438	4,881,736	5,074,857	5,713,928	5,106,943	5,114,922	5,346,353
<b>OPERATING REVENUES</b>													
RESIDENTIAL RATES	2,484,000	2,555,280	2,608,131	2,956,647	3,015,370	3,062,349	3,109,328	3,471,937	3,523,614	3,555,911	3,588,209	3,620,507	3,984,878
COMMERCIAL RATES	310,000	352,238	355,760	399,242	403,234	407,266	411,339	456,998	461,568	466,183	470,845	475,554	523,974
LARGE COMMERCIAL	78,000	87,750	87,750	97,500	97,500	97,500	97,500	107,250	107,250	107,250	107,250	107,250	117,000
SUNDRY REVENUE	55,000	55,550	56,106	56,667	57,233	57,806	58,384	58,967	59,557	60,153	60,754	61,362	61,975
TAX REVENUE	505,000	510,285	515,570	520,855	525,083	529,311	533,540	537,768	540,410	543,053	545,695	548,338	550,980
TOTAL OPER. REVENUE	3,432,000	3,561,103	3,623,317	4,030,910	4,098,421	4,154,232	4,210,090	4,632,920	4,692,399	4,732,550	4,772,754	4,813,010	5,238,808
<b>OPERATING EXPENDITURES</b>													
OPERATIONS & MAINT.	2,289,000	2,405,844	2,526,136	2,652,443	2,835,465	2,977,238	3,126,100	3,282,405	3,446,526	3,676,452	3,860,275	4,053,288	4,255,953
<b>NET REVENUE</b>	1,143,000	1,155,259	1,097,180	1,378,467	1,262,956	1,176,994	1,083,990	1,350,514	1,245,873	1,056,098	912,480	759,722	982,855
All Outstanding Bonds	718,000	718,000	631,000	556,000	556,000	556,000	556,000	556,000	556,000	164,000	164,000	164,000	164,000
TOTAL DEBT SERVICE	718,000	718,000	718,000	632,000	556,000	556,000	556,000	556,000	556,000	556,000	556,000	164,000	164,000
<b>TOTAL EXPENSES</b>	3,007,000	3,123,844	3,244,136	3,284,443	3,391,465	3,533,238	3,682,100	3,838,405	4,002,526	4,232,452	4,416,275	4,217,288	4,419,953
<b>AVAIL. FOR PROJECT</b>	425,000	437,259	379,180	746,467	706,956	620,994	527,990	794,514	689,873	500,098	356,480	595,722	818,855

**Central Davis Sewer District**  
**RATE STUDY - DECEMBER, 2007**  
For Budget Year 2008

**GENERAL INFORMATION**  
ESTIMATED POPULATION  
EST RESIDENTIAL CONN  
PERSONS/CONNECTION  
EST COMMERCIAL CONN  
CONNECTION FEE

RESIDENT RATE/MO.	\$24.00	\$24.00	\$24.00	\$27.00	\$27.00	\$27.00	\$27.00
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**CURRENT TAX REVENUE**

ITEM	Jan-21	Jan-22	Jan-23	Jan-24	Jan-25	Jan-26	Jan-27
<b>POPULATION/CONNECTIONS</b>							
PROJECTED POPULATION	56,200	56,700	57,200	57,700	58,200	58,700	59,200
NEW RESIDENTIAL CONN.	122	122	122	122	122	122	122
RESIDENTIAL CONNECT.	14,081	14,203	14,326	14,448	14,570	14,693	14,815
COMMERCIAL CONNECT.	615	621	627	634	640	646	653
<b>CAPITAL PROJECT REVENUES</b>							
CONNECTION FEES	207,979	207,979	207,979	207,979	207,979	207,979	207,979
BALANCE PREVIOUS	5,346,353	4,957,979	4,871,428	4,415,509	4,494,527	3,859,857	3,469,722
FROM THIS YR O&M	589,794	407,151	141,245	694,419	477,570	247,492	3,523
INTEREST INCOME	213,854	198,319	194,857	176,620	179,781	154,394	138,789
BONDING REVENUES							
AMOUNT USED THIS YR	1,400,000	900,000	1,000,000	1,000,000	1,500,000	1,000,000	1,000,000
BALANCE ON HAND - Yr End	4,957,979	4,871,428	4,415,509	4,494,527	3,859,857	3,469,722	2,820,012
<b>OPERATING REVENUES</b>							
RESIDENTIAL RATES	4,020,112	4,055,346	4,090,580	4,641,541	4,681,180	4,720,818	4,760,456
COMMERCIAL RATES	529,213	534,506	539,851	613,405	619,539	625,735	631,992
LARGE COMMERCIAL	117,000	117,000	117,000	131,625	131,625	131,625	131,625
SUNDRY REVENUE	62,595	63,221	63,853	64,492	65,137	65,788	66,446
TAX REVENUE	553,623	556,266	558,908	561,551	564,193	566,836	569,478
TOTAL OPER. REVENUE	5,282,544	5,326,339	5,370,192	6,012,614	6,061,674	6,110,801	6,159,997
<b>OPERATING EXPENDITURES</b>							
OPERATIONS & MAINT.	4,528,750	4,755,188	5,064,947	5,318,195	5,584,104	5,863,309	6,156,475
<b>NET REVENUE</b>	753,794	571,151	305,245	694,419	477,570	247,492	3,523
All Outstanding Bonds	164,000	164,000	164,000	0	0	0	0
TOTAL DEBT SERVICE	164,000	164,000	164,000	0	0	0	0
<b>TOTAL EXPENSES</b>	4,692,750	4,919,188	5,228,947	5,318,195	5,584,104	5,863,309	6,156,475
<b>AVAIL. FOR PROJECT</b>	589,794	407,151	141,245	694,419	477,570	247,492	3,523

**ASSUMPTIONS**

1. Growth in commercial connections estimated at 1% per year.
2. Residential revenue equals yearly rate times previous years units.
3. Commercial revenue basis: 2007 revenue factored by rate changes
4. Tax revenue assumed to remain at a constant tax rate.
5. Interest Income assumed to be 4.0%.
6. Property value assumed to escalate at 1% per year.

**Central Davis Sewer District**  
**RATE STUDY - DECEMBER, 2007**  
For Budget Year 2008

ITEM	Jan-08	Jan-09	Jan-10	Jan-11	Jan-12	Jan-13	Jan-14	Jan-15	Jan-16	Jan-17	Jan-18	Jan-19
<b>OPERATING COSTS</b>												
OPERATING SALARIES	837,000	878,850	922,793	968,932	1,052,379	1,104,998	1,160,248	1,218,260	1,279,173	1,383,132	1,452,288	1,524,903
EMPLOYEE BENEFITS	366,000	386,694	406,029	426,330	463,047	486,199	510,509	536,034	562,836	608,578	639,007	670,957
OFFICE EXPENSES	30,000	31,500	33,075	34,729	36,465	38,288	40,203	42,213	44,324	46,540	48,867	51,310
PLANT MAINTENANCE	339,000	355,950	373,748	392,435	412,057	432,659	454,292	477,007	500,857	525,900	552,195	579,805
UTILITIES	264,000	277,200	291,060	305,613	320,894	336,938	353,785	371,475	390,048	409,551	430,028	451,530
CHEMICALS	60,000	63,000	66,150	69,458	72,930	76,577	80,406	84,426	88,647	93,080	97,734	102,620
COLLECTION SYSTEM	106,000	111,300	116,865	122,708	128,844	135,286	142,050	149,153	156,610	164,441	172,663	181,296
PROFESSIONAL & TECH	125,000	131,250	137,813	144,703	151,938	159,535	167,512	175,888	184,682	193,916	203,612	213,792
INSURANCE AND BONDS	90,000	94,500	99,225	104,186	109,396	114,865	120,609	126,639	132,971	139,620	146,601	153,931
LABORATORY ANALYSIS	34,000	35,700	37,485	39,359	41,327	43,394	45,563	47,841	50,233	52,745	55,382	58,152
MISCELLANEOUS	38,000	39,900	41,895	43,990	46,189	48,499	50,924	53,470	56,143	58,950	61,898	64,993
<b>TOTAL O &amp; M BUDGET</b>	<b>2,289,000</b>	<b>2,405,844</b>	<b>2,526,136</b>	<b>2,652,443</b>	<b>2,835,465</b>	<b>2,977,238</b>	<b>3,126,100</b>	<b>3,282,405</b>	<b>3,446,526</b>	<b>3,676,452</b>	<b>3,860,275</b>	<b>4,053,288</b>
<b>EXPANSION CAPITAL</b>												
PLANT EXPANSION	970,000	262,000	385,000	625,000	234,000	450,000	500,000	500,000	500,000	600,000	900,000	600,000
LINE EXPANSION	250,000	1,183,000	817,000	84,000	491,000	500,000	400,000	400,000	400,000	400,000	500,000	400,000
<b>REQUIRED CAPITAL</b>	<b>1,220,000</b>	<b>1,445,000</b>	<b>1,202,000</b>	<b>709,000</b>	<b>725,000</b>	<b>950,000</b>	<b>900,000</b>	<b>900,000</b>	<b>900,000</b>	<b>1,000,000</b>	<b>1,400,000</b>	<b>1,000,000</b>
<b>LARGE COMMERCIAL</b>												
LAGOON & P.V. CAMP	78,000	87,750	87,750	97,500	97,500	97,500	97,500	107,250	107,250	107,250	107,250	107,250
<b>LARGE COMMERCIAL</b>	<b>78,000</b>	<b>87,750</b>	<b>87,750</b>	<b>97,500</b>	<b>97,500</b>	<b>97,500</b>	<b>97,500</b>	<b>107,250</b>	<b>107,250</b>	<b>107,250</b>	<b>107,250</b>	<b>107,250</b>

**Central Davis Sewer District**  
**RATE STUDY - DECEMBER, 2007**  
For Budget Year 2008

ITEM	Jan-20	Jan-21	Jan-22	Jan-23	Jan-24	Jan-25	Jan-26	Jan-27	
<b>OPERATING COSTS</b>									
OPERATING SALARIES	1,601,148	1,681,205	1,765,265	1,903,529	1,998,705	2,098,640	2,203,572	2,313,751	
EMPLOYEE BENEFITS	704,505	739,730	776,717	837,553	879,430	923,402	969,572	1,018,050	
OFFICE EXPENSES	53,876	56,569	59,398	62,368	65,486	68,761	72,199	75,809	
PLANT MAINTENANCE	608,795	639,235	671,197	704,757	739,994	776,994	815,844	856,636	
UTILITIES	474,106	557,811	585,702	614,987	645,736	678,023	711,924	747,521	
CHEMICALS	107,751	113,139	118,796	124,736	130,972	137,521	144,397	151,617	
COLLECTION SYSTEM	190,361	199,879	209,873	220,366	231,385	242,954	255,102	267,857	
PROFESSIONAL & TECH	224,482	235,706	247,491	259,866	272,859	286,502	300,827	315,869	
INSURANCE AND BONDS	161,627	169,708	178,194	187,104	196,459	206,282	216,596	227,426	
LABORATORY ANALYSIS	61,059	64,112	67,318	70,684	74,218	77,929	81,825	85,916	
MISCELLANEOUS	68,243	71,655	75,237	78,999	82,949	87,097	91,452	96,024	
<b>TOTAL O &amp; M BUDGET</b>	<b>4,255,953</b>	<b>4,528,750</b>	<b>4,755,188</b>	<b>5,064,947</b>	<b>5,318,195</b>	<b>5,584,104</b>	<b>5,863,309</b>	<b>6,156,475</b>	
<b>ASSUMPTIONS:</b>									
1. Additional Staff added in periodically.									
2. Present costs escalated 5% per year									
3. Benefits and burdens remain at about 44%.									
<b>EXPANSION CAPITAL</b>									
PLANT EXPANSION	600,000	1,000,000	500,000	500,000	500,000	1,000,000	500,000	500,000	11,626,000
LINE EXPANSION	400,000	400,000	400,000	500,000	500,000	500,000	500,000	500,000	9,525,000
<b>REQUIRED CAPITAL</b>	<b>1,000,000</b>	<b>1,400,000</b>	<b>900,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,500,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	
<b>ASSUMPTIONS:</b>									
1. Project costs track depreciation with larger projects periodically.									
2. No major regulatory changes occur.									
<b>LARGE COMMERCIAL</b>									
LAGOON & P.V. CAMP	117,000	117,000	117,000	117,000	131,625	131,625	131,625	131,625	
<b>LARGE COMMERCIAL</b>	<b>117,000</b>	<b>117,000</b>	<b>117,000</b>	<b>117,000</b>	<b>131,625</b>	<b>131,625</b>	<b>131,625</b>	<b>131,625</b>	