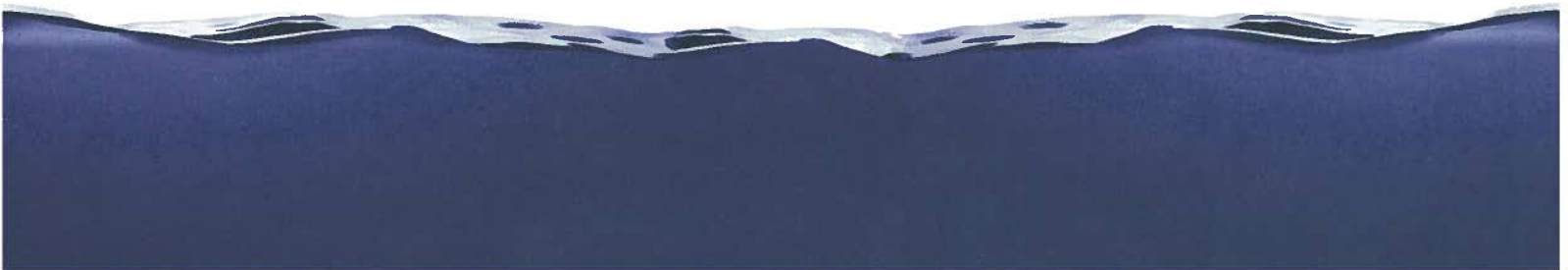




## **APPENDIX M**

### **Financial Information and Rate Study**



2010  
**BOXELDER SANITATION DISTRICT BUDGET**

**LGID # 35002**

<i>General Fund Description</i>	<i>Actual (Prior Year) 2008</i>	<i>Estimated Current Year 2009</i>	<i>Final Budget 2010</i>
<b>ESTIMATED RESOURCE:</b>			
Beginning Balance: Jan 1, _____	\$ 2,520,155	\$ 3,109,787	\$ 3,610,251
<b>Estimated Fund Revenue:</b>			
<b>Operating Revenue:</b>			
Sales and Service	\$ 1,931,036	\$ 1,953,883	\$ 1,920,622
Fees	\$ 89,715	\$ 71,160	\$ 62,060
Miscellaneous	\$ 16,843	\$ 8,380	\$ 7,689
Transfer/Permit	\$ 11,747	\$ 8,250	\$ 7,243
<b>TOTAL OPERATING REVENUES:</b>	<b>\$ 2,049,341</b>	<b>\$ 2,041,673</b>	<b>\$ 1,997,614</b>
<b>Non-operating Revenue:</b>			
Interest Income	\$ 50,408	\$ 8,014	\$ 9,135
<b>Other:</b>			
Sale of Asset Proceeds	\$ -	\$ 6,420	\$ -
State Grant	\$ -	\$ -	\$ -
SDCs (Tap Fees)	\$ 502,261	\$ 121,315	\$ 239,985
Development Fees			
Debt Proceeds			
<b>TOTAL NON-OPERATING REVENUES:</b>	<b>\$ 552,669</b>	<b>\$ 135,749</b>	<b>\$ 249,120</b>
<b>TOTAL AVAILABLE RESOURCES:</b>	<b>\$ 5,122,165</b>	<b>\$ 5,287,209</b>	<b>\$ 5,856,985</b>
<b>ESTIMATED EXPENDITURES:</b>			
<b>Operating Expenses/Expenditures:</b>			
<b>Sanitation:</b>			
Administration:	\$ 565,215	\$ 550,431	\$ 520,314
Sewage Collection and Disposal	\$ 323,304	\$ 284,775	\$ 351,672
Sanitary Sewer Construction		\$ -	\$ -
Sanitary Sewer Maintenance	\$ 37,157	\$ 19,360	\$ 50,889
Sewage Treatment Plant	\$ 421,488	\$ 383,144	\$ 571,034
Sewer Pretreatment	\$ 41,769	\$ 43,858	\$ 53,627
Building & Site Maintenance	\$ 57,283	\$ 46,892	\$ 43,339
Growth	\$ 93,123	\$ 76,711	\$ 68,180
<b>Total Sanitation Expense:</b>	<b>\$ 1,539,339</b>	<b>\$ 1,405,170</b>	<b>\$ 1,659,055</b>
<b>Capital Outlay:</b>			
Capital Outlay - Land	\$ 473,039	\$ 271,788	\$ 530,000
Capital Outlay - Land	\$ -	\$ -	\$ -
<b>Debt Service:</b>			
Principal	\$ -	\$ -	\$ -
Interest	\$ -	\$ -	\$ -
Paying Agent cost	\$ -	\$ -	\$ -
Debt Issuance Costs			
<b>TOTAL EXPENSES/EXPENDITURES:</b>	<b>\$ 2,012,378</b>	<b>\$ 1,676,958</b>	<b>\$ 2,189,055</b>
Ending Balance, Dec. 31, _____	\$ 3,109,787	\$ 3,610,251	\$ 3,667,930
<b>Total Uses of Resources:</b>	<b>\$ 2,012,378</b>	<b>\$ 1,676,958</b>	<b>\$ 2,189,055</b>



**Boxelder Sanitation District  
Capital Improvements Program (CIP)  
Projections**

Description	Projected																				Total 2010-2030		
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029		2030	
River bank remediation	5,000																					5,000	
Utility Plan	20,000																					20,000	
CMOM Plan & operations manual			10,000																			10,000	
GIS for CMOM Operations			60,000																			60,000	
VI Redn. + Capacity Enhancement (50-50 CS TP)	100,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	62,000			1,362,000	
Techline Lining	100,000	238,000	260,000	260,000	260,000	260,000	260,000	260,000	260,000	260,000	260,000	260,000	260,000	260,000	260,000	260,000	260,000	260,000	260,000	260,000	260,000	260,000	5,018,000
DRI-2 Road	20,000																						20,000
Camera/tractor upgrade	40,000																						40,000
Vehicle Replacement		15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	300,000
Software Upgrades (Admin)	20,000																						20,000
Pretreatment local limit update	8,000																						8,000
Pretreatment R&R legal review	7,000																						7,000
Pretreatment software program	10,000																						10,000
N Mulberry Interceptor - Phase 1		1,400,000																					1,400,000
N Mulberry Interceptor - Phase 2			598,000																				598,000
Trinkl. Plant Upgrade Constr.		2,875,000	5,350,000	2,875,000																			10,700,000
CSI Rehabilitation						233,000					90,000												323,000
PCI Rehabilitation								151,000															151,000
Contingency	200,000																						200,000
Undefined Projects (e.g. nutrient removal)						300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	5,080,000
<b>Total Capital Improvement Program</b>	<b>530,000</b>	<b>4,403,000</b>	<b>6,368,000</b>	<b>3,025,000</b>	<b>350,000</b>	<b>933,000</b>	<b>790,000</b>	<b>981,000</b>	<b>850,000</b>	<b>850,000</b>	<b>740,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>	<b>850,000</b>	<b>637,000</b>	<b>875,000</b>	<b>875,000</b>	<b>575,000</b>	<b>25,412,900</b>
<b>Total CIP with Inflation</b>	<b>530,000</b>	<b>4,535,090</b>	<b>6,755,811</b>	<b>3,385,499</b>	<b>393,928</b>	<b>1,081,803</b>	<b>935,837</b>	<b>985,129</b>	<b>823,481</b>	<b>848,103</b>	<b>924,488</b>	<b>899,752</b>	<b>926,745</b>	<b>954,547</b>	<b>983,183</b>	<b>1,012,879</b>	<b>1,043,058</b>	<b>1,052,884</b>	<b>976,899</b>	<b>1,068,266</b>	<b>1,038,514</b>	<b>1,038,514</b>	<b>30,987,407</b>

O & M BUDGET PROJECTIONS

Years 2010-2030

Boxelder Sanitation District  
Operating and Maintenance Expense

Description	Budget										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Collection</b>											
Gravity Line	85,250	67,208	69,224	71,301	73,440	75,843	77,912	80,249	82,656	85,136	87,690
GIS	1,800	1,854	1,910	1,967	2,026	2,087	2,150	2,215	2,281	2,349	2,419
Communication	3,845	4,063	4,185	4,311	4,440	4,573	4,710	4,851	4,997	5,147	5,301
Ancillary Support Systems	12,853	13,239	13,636	14,045	14,466	14,900	15,347	15,807	16,281	16,769	17,272
Personnel Costs	26,433	27,226	28,043	28,884	29,751	30,644	31,563	32,510	33,485	34,490	35,525
Transportation Vehicles	4,997	5,147	5,301	5,460	5,624	5,793	5,967	6,146	6,330	6,520	6,716
Large Equipment Vehicles	29,236	30,113	31,016	31,946	32,904	33,891	34,908	35,955	37,034	38,145	39,289
Risk Management	22,898	23,585	24,293	25,022	25,773	26,546	27,342	28,162	29,007	29,877	30,773
Lift Stations	0	0	0	0	0	0	0	0	0	0	0
EMPS	2,756	2,839	2,924	3,012	3,102	3,195	3,291	3,390	3,492	3,597	3,705
RAPS	8,450	8,704	8,965	9,234	9,511	9,796	10,090	10,393	10,705	11,026	11,357
TLPS	5,987	6,167	6,352	6,543	6,738	6,941	7,149	7,363	7,584	7,812	8,046
R&M Pump	0	0	0	0	0	0	0	0	0	0	0
WMFS	3,796	3,910	4,027	4,148	4,272	4,400	4,532	4,668	4,808	4,952	5,101
Future Function	0	0	0	0	0	0	0	0	0	0	0
Salaries, PR Taxes & WC	214,160	220,585	227,203	234,019	241,040	248,271	255,719	263,391	271,293	279,432	287,815
<b>Total Collection</b>	<b>402,561</b>	<b>414,640</b>	<b>427,079</b>	<b>439,892</b>	<b>453,088</b>	<b>466,680</b>	<b>480,680</b>	<b>495,100</b>	<b>509,953</b>	<b>525,252</b>	<b>541,009</b>
<b>Treatment</b>											
Energy	78,500	80,855	83,281	85,883	88,655	91,597	94,610	97,791	101,049	104,488	108,109
Conveyance and Pumping Systems	10,100	10,403	10,715	11,036	11,365	11,704	12,052	12,410	12,778	13,156	13,544
Aeration of Wastewater	17,300	17,819	18,354	18,904	19,469	20,049	20,644	21,254	21,879	22,519	23,174
Disinfection & Dechlorination	37,862	38,998	40,168	41,373	42,614	43,892	45,209	46,565	47,962	49,401	50,883
Flow Monitoring	900	927	955	983	1,011	1,040	1,069	1,100	1,131	1,163	1,195
Health and Safety System	2,700	2,781	2,864	2,949	3,036	3,125	3,215	3,307	3,401	3,497	3,594
Elec. Control and Distribution	2,000	2,060	2,122	2,186	2,251	2,318	2,386	2,456	2,527	2,600	2,674
Equipment Support	1,500	1,545	1,591	1,639	1,688	1,739	1,791	1,845	1,900	1,957	2,016
Water Quality Monitoring Equipment	7,675	7,905	8,142	8,386	8,638	8,897	9,164	9,439	9,722	10,014	10,314
Preliminary Treatment	8,500	8,755	9,018	9,287	9,561	9,841	10,127	10,420	10,719	11,024	11,336
Gates, Valves & Flow Ctrl. Systems	2,500	2,575	2,652	2,731	2,812	2,895	2,980	3,067	3,156	3,247	3,340
WQ Monitoring-Permit	29,877	30,773	31,696	32,647	33,626	34,635	35,674	36,744	37,846	38,981	40,150
WQ Monitoring-Non-Permit	25,000	25,755	26,528	27,324	28,144	28,988	29,858	30,754	31,677	32,627	33,606
Regulatory Compliance-Oper	14,953	15,402	15,864	16,340	16,830	17,335	17,855	18,391	18,943	19,511	20,096
Wastewater Disposal	0	0	0	0	0	0	0	0	0	0	0
Biosolids/Sludge Management	96,500	25,000	25,750	26,500	27,250	28,000	28,750	29,500	30,250	31,000	31,750
Communication	7,565	7,792	8,028	8,267	8,515	8,770	9,033	9,304	9,583	9,870	10,166
Ancillary Support Systems	8,673	8,933	9,201	9,477	9,761	10,054	10,356	10,667	10,987	11,317	11,657
Personnel Costs	18,098	18,641	19,200	19,776	20,369	20,980	21,600	22,257	22,925	23,613	24,321
Transportation Vehicles	2,445	2,518	2,594	2,672	2,752	2,835	2,920	3,008	3,098	3,191	3,287
Large Equipment Vehicles	2,208	2,274	2,342	2,412	2,484	2,559	2,636	2,715	2,796	2,880	2,966
Risk Management	9,943	10,241	10,548	10,864	11,190	11,526	11,872	12,228	12,595	12,973	13,362
Salaries, PR Taxes & WC	186,230	191,817	197,572	203,500	209,615	215,918	222,410	229,092	235,965	243,029	250,284
<b>Total Treatment</b>	<b>571,034</b>	<b>513,769</b>	<b>529,183</b>	<b>547,842</b>	<b>568,375</b>	<b>590,737</b>	<b>614,950</b>	<b>641,041</b>	<b>669,033</b>	<b>700,033</b>	<b>733,033</b>

O & M BUDGET PROJECTIONS

Years 2010-2030

Boxelder Sanitation District  
Operating and Maintenance Expense

Description	Budget										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Pretreatment											
NPDES Permit Compliances	3,955	4,074	4,196	4,322	4,452	4,586	4,724	4,866	5,012	5,162	5,317
Permitted Users	3,700	3,811	3,925	4,043	4,164	4,289	4,418	4,551	4,688	4,829	4,974
Non-permitted Users	720	742	764	787	811	835	860	886	913	940	968
FOG	575	592	610	628	647	666	686	707	728	750	773
Excess Loading	530	545	562	579	596	614	632	651	671	691	712
Non-regulatory	0	0	0	0	0	0	0	0	0	0	0
Communication	897	924	952	981	1,010	1,040	1,071	1,103	1,136	1,170	1,205
Ancillary Support System	2,681	2,761	2,844	2,929	3,017	3,108	3,201	3,297	3,396	3,498	3,603
Personnel Costs	6,236	6,423	6,616	6,814	7,018	7,229	7,446	7,669	7,899	8,136	8,380
Transportation Vehicles	3,993	4,113	4,236	4,363	4,494	4,629	4,768	4,911	5,058	5,210	5,366
Risk Management	862	888	915	942	970	999	1,029	1,060	1,092	1,125	1,159
Salaries, PR Taxes & WC	29,478	30,362	31,273	32,211	33,177	34,172	35,197	36,253	37,341	38,461	39,615
Total Pretreatment	53,627	55,236	56,893	58,599	60,356	62,167	64,032	65,954	67,934	69,972	72,072
Building Site and Maintenance											
Maintenance	15,255	15,713	16,184	16,670	17,170	17,685	18,216	18,762	19,325	19,905	20,502
Plumbing	400	412	424	437	450	464	478	492	507	522	538
HVAC	2,500	2,575	2,652	2,732	2,814	2,898	2,985	3,075	3,167	3,262	3,360
Utilities	16,254	16,742	17,244	17,761	18,294	18,843	19,408	19,990	20,590	21,208	21,844
Small Equipment and Tools	200	206	212	218	225	232	239	246	253	261	269
Security	0	0	0	0	0	0	0	0	0	0	0
Ancillary Support Systems	300	309	318	328	338	348	358	369	380	391	403
Personnel Costs	0	0	0	0	0	0	0	0	0	0	0
Transportation Vehicles	0	0	0	0	0	0	0	0	0	0	0
Risk Management	5,392	5,554	5,721	5,893	6,070	6,252	6,440	6,633	6,832	7,037	7,248
Future Function	0	0	0	0	0	0	0	0	0	0	0
Future Function	0	0	0	0	0	0	0	0	0	0	0
Salaries, PR Taxes & WC	3,038	3,129	3,223	3,320	3,420	3,523	3,629	3,738	3,850	3,966	4,085
Total Building and Maintenance	43,339	44,640	45,978	47,359	48,781	50,245	51,753	53,305	54,904	56,552	58,249
Growth											
Consultant	4,000	4,120	4,244	4,371	4,502	4,637	4,776	4,919	5,067	5,219	5,376
Ancillary Support	5,353	5,514	5,679	5,849	6,024	6,205	6,391	6,583	6,780	6,983	7,192
Personnel Costs	3,526	3,632	3,741	3,853	3,969	4,088	4,211	4,337	4,467	4,601	4,739
Transportation Vehicles	2,458	2,532	2,608	2,686	2,767	2,850	2,936	3,024	3,115	3,208	3,304
Future Function	0	0	0	0	0	0	0	0	0	0	0
Future Function	0	0	0	0	0	0	0	0	0	0	0
Salaries, PR Taxes & WC	52,843	54,428	56,061	57,743	59,475	61,259	63,097	64,990	66,940	68,948	71,016
Total Growth	68,180	70,225	72,333	74,502	76,737	79,038	81,411	83,853	86,369	88,959	91,627

O & M BUDGET PROJECTIONS

Years 2010-2030

Boxelder Sanitation District  
Operating and Maintenance Expense

Description	Budget										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Administrative and General	54,181	55,806	57,480	59,204	60,980	62,809	64,693	66,634	68,633	70,692	72,813
Revenue Collection Process	4,724	4,868	5,012	5,162	5,317	5,477	5,641	5,810	5,984	6,164	6,348
Customer Relation Management	9,583	9,870	10,166	10,471	10,785	11,109	11,442	11,785	12,139	12,503	12,878
Accounting Process	2,424	2,497	2,572	2,649	2,728	2,810	2,894	2,981	3,070	3,162	3,257
Payroll Processing	9,091	9,364	9,645	9,934	10,232	10,539	10,855	11,181	11,516	11,861	12,217
Board Processing	1,728	1,780	1,833	1,888	1,945	2,003	2,063	2,125	2,189	2,255	2,323
Human Resources	30	31	32	33	34	35	36	37	38	39	40
Budget Process	0	0	0	0	0	0	0	0	0	0	0
Consultations	5,805	5,979	6,158	6,343	6,533	6,729	6,931	7,139	7,353	7,574	7,801
Communication	79,038	81,408	83,851	86,367	88,958	91,627	94,376	97,207	100,123	103,127	106,221
Ancillary Support System	40,370	41,581	42,828	44,113	45,436	46,799	48,203	49,649	51,136	52,672	54,252
Personnel Costs	1,180	1,215	1,251	1,289	1,328	1,368	1,409	1,451	1,495	1,540	1,586
Transportation Vehicles	5,844	6,019	6,200	6,386	6,578	6,775	6,976	7,187	7,403	7,625	7,854
Risk Management	0	0	0	0	0	0	0	0	0	0	0
Future Function	0	0	0	0	0	0	0	0	0	0	0
Future Function	0	0	0	0	0	0	0	0	0	0	0
Salaries, PR Taxes & WC	306,317	315,507	324,972	334,721	344,763	355,106	365,759	376,732	388,034	399,675	411,665
Total Administrative and General	520,315	535,924	552,000	568,560	585,617	603,186	621,280	639,918	659,115	678,889	699,256
Total Operation and Maintenance	1,659,056	1,634,435	1,683,466	2,106,754	2,169,954	2,235,054	2,302,106	2,371,171	2,442,308	2,515,577	2,591,044
TAPS:	5,333	5,493	5,658	5,828	6,002	6,182	6,368	6,559	6,756	6,958	7,167

O & M BUDGET PROJECTIONS

Years 2010-2030

Boxelder Sanitation District  
Operating and Maintenance Expense

Description	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Collection</b>										
Gravity Line	90,321	93,031	95,822	98,697	101,658	104,708	107,849	111,084	114,417	117,850
GIS	2,492	2,567	2,644	2,723	2,805	2,889	2,978	3,065	3,157	3,252
Communication	5,460	5,624	5,793	5,967	6,146	6,330	6,518	6,710	6,917	7,129
Ancillary Support Systems	17,440	18,324	18,874	19,440	20,023	20,624	21,243	21,880	22,538	23,212
Personnel Costs	36,591	37,689	38,820	39,985	41,185	42,421	43,694	45,005	46,355	47,746
Transportation Vehicles	6,917	7,125	7,339	7,559	7,786	8,020	8,261	8,508	8,764	9,027
Large Equipment Vehicles	40,468	41,682	42,932	44,220	45,547	46,913	48,320	49,770	51,263	52,801
Risk Management	31,696	32,647	33,628	34,635	35,674	36,744	37,846	38,981	40,150	41,355
Lift Stations	0	0	0	0	0	0	0	0	0	0
EMPS	3,816	3,930	4,048	4,169	4,294	4,423	4,556	4,693	4,834	4,979
RAPS	11,698	12,049	12,410	12,782	13,165	13,560	13,967	14,386	14,818	15,263
TLPS	8,287	8,536	8,792	9,056	9,328	9,608	9,896	10,193	10,498	10,814
R&M Pump	0	0	0	0	0	0	0	0	0	0
WMPS	5,254	5,412	5,574	5,741	5,913	6,090	6,273	6,461	6,655	6,855
Future Function	0	0	0	0	0	0	0	0	0	0
Salaries, PR Taxes & WC	296,449	305,342	314,502	323,937	333,655	343,665	353,975	364,594	375,532	386,798
<b>Total Collection</b>	<b>557,239</b>	<b>573,958</b>	<b>591,176</b>	<b>609,911</b>	<b>627,179</b>	<b>646,995</b>	<b>666,376</b>	<b>686,337</b>	<b>706,897</b>	<b>727,077</b>
<b>Treatment</b>										
Energy	196,227	204,174	210,299	216,608	223,106	229,799	236,693	243,794	251,108	258,641
Conveyance and Pumping Systems	37,125	38,239	39,386	40,568	41,785	43,039	44,330	45,660	47,030	48,441
Aeration of Wastewater	63,594	65,502	67,467	69,491	71,576	73,723	75,935	78,213	80,559	82,976
Disinfection & Dechlorination	52,408	53,981	55,600	57,268	58,986	60,756	62,579	64,456	66,390	68,382
Flow Monitoring	3,310	3,409	3,511	3,618	3,724	3,836	3,951	4,070	4,192	4,318
Health and Safety System	9,924	10,222	10,529	10,845	11,170	11,505	11,850	12,206	12,572	12,949
Elec. Control and Distribution	7,353	7,574	7,801	8,035	8,276	8,524	8,780	9,043	9,314	9,593
Equipment Support	2,078	2,138	2,202	2,268	2,338	2,406	2,478	2,552	2,629	2,708
Water Quality Monitoring Equipment	10,623	10,942	11,270	11,608	11,956	12,315	12,684	13,065	13,457	13,861
Preliminary Treatment	31,248	32,185	33,151	34,146	35,170	36,225	37,312	38,431	39,584	40,772
Gates, Valves & Flow Ctrl. Systems	9,191	9,467	9,751	10,044	10,345	10,655	10,975	11,304	11,643	11,992
WQ Monitoring-Permit	41,355	42,586	43,874	45,190	46,546	47,942	49,380	50,861	52,387	53,959
WQ Monitoring-Non-Permit	34,614	35,652	36,722	37,824	38,959	40,128	41,332	42,572	43,849	45,164
Regulatory Compliance-Oper	20,599	21,320	22,060	22,819	23,598	24,397	25,217	26,059	26,923	27,810
Wastewater Disposal	0	0	0	0	0	0	0	0	0	0
Biosolids/Sludge Management	220,418	227,031	233,642	240,357	248,083	255,925	263,191	271,087	279,220	287,597
Communication	10,471	10,785	11,109	11,442	11,785	12,139	12,503	12,878	13,264	13,662
Ancillary Support Systems	12,007	12,367	12,738	13,120	13,514	13,919	14,337	14,767	15,210	15,668
Personnel Costs	25,051	25,803	26,577	27,374	28,195	29,041	29,912	30,809	31,733	32,686
Transportation Vehicles	3,886	3,988	4,093	4,201	4,312	4,426	4,544	4,665	4,790	4,919
Large Equipment Vehicles	3,055	3,147	3,241	3,338	3,438	3,541	3,647	3,756	3,869	3,985
Risk Management	13,763	14,176	14,601	15,039	15,480	15,935	16,404	16,877	17,355	17,839
Salaries, PR Taxes & WC	352,797	363,381	374,282	385,610	397,075	408,987	421,257	433,885	446,912	460,319
<b>Total Treatment</b>	<b>1,162,696</b>	<b>1,197,579</b>	<b>1,233,506</b>	<b>1,270,611</b>	<b>1,308,625</b>	<b>1,347,883</b>	<b>1,388,321</b>	<b>1,429,970</b>	<b>1,472,870</b>	<b>1,517,067</b>

Boxelder Sanitation District  
Operating and Maintenance Expense

Description	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Pretreatment										
NPDES Permit Compliance	5,477	5,641	5,810	5,984	6,164	6,349	6,539	6,735	6,937	7,145
Permitted Users	5,123	5,277	5,436	5,598	5,766	5,939	6,117	6,301	6,490	6,685
Non-permitted Users	997	1,027	1,058	1,090	1,123	1,157	1,192	1,228	1,265	1,303
FOG	796	820	845	870	898	923	951	980	1,009	1,039
Excess Loading	733	755	778	801	825	850	878	902	929	957
Non-regulatory	0	0	0	0	0	0	0	0	0	0
Communication	1,241	1,278	1,318	1,355	1,398	1,438	1,481	1,525	1,571	1,618
Auxiliary Support System	3,711	3,822	3,937	4,055	4,177	4,302	4,431	4,564	4,701	4,842
Personnel Costs	8,631	8,890	9,157	9,432	9,715	10,006	10,308	10,615	10,933	11,261
Transportation Vehicles	5,527	5,693	5,864	6,040	6,221	6,408	6,600	6,798	7,002	7,212
Risk Management	1,194	1,230	1,267	1,305	1,344	1,384	1,426	1,469	1,513	1,558
Salaries, PR Taxes & WC	40,803	42,027	43,288	44,587	45,925	47,303	48,722	50,184	51,690	53,241
<b>Total Pretreatment</b>	<b>74,233</b>	<b>76,460</b>	<b>78,755</b>	<b>81,117</b>	<b>83,552</b>	<b>86,059</b>	<b>88,641</b>	<b>91,301</b>	<b>94,040</b>	<b>96,861</b>
Building Site and Maintenance										
Maintenance	21,117	21,751	22,404	23,076	23,768	24,481	25,215	25,971	26,750	27,553
Plumbing	554	571	588	606	624	643	662	682	702	723
HVAC	3,461	3,565	3,672	3,782	3,895	4,012	4,132	4,256	4,384	4,516
Utilities	22,499	23,174	23,869	24,585	25,323	26,083	26,865	27,671	28,501	29,356
Small Equipment and Tools	277	285	294	303	312	321	331	341	351	362
Security	0	0	0	0	0	0	0	0	0	0
Auxiliary Support Systems	415	427	440	453	467	481	496	510	525	541
Personnel Costs	0	0	0	0	0	0	0	0	0	0
Transportation Vehicles	0	0	0	0	0	0	0	0	0	0
Risk Management	7,465	7,689	7,920	8,158	8,403	8,655	8,915	9,182	9,457	9,741
Future Function	0	0	0	0	0	0	0	0	0	0
Future Function	0	0	0	0	0	0	0	0	0	0
Salaries, PR Taxes & WC	4,208	4,334	4,464	4,598	4,736	4,878	5,024	5,175	5,330	5,490
<b>Total Building and Maintenance</b>	<b>59,996</b>	<b>61,796</b>	<b>63,661</b>	<b>65,561</b>	<b>67,528</b>	<b>69,554</b>	<b>71,639</b>	<b>73,788</b>	<b>76,000</b>	<b>78,282</b>
Growth										
Consultant	5,537	6,703	8,074	9,559	11,162	12,894	14,764	16,683	18,652	20,671
Auxiliary Support	7,408	7,630	7,859	8,095	8,338	8,588	8,846	9,111	9,384	9,666
Personnel Costs	4,881	5,027	5,178	5,333	5,493	5,658	5,828	6,003	6,183	6,368
Transportation Vehicles	3,403	3,505	3,610	3,718	3,830	3,945	4,063	4,185	4,311	4,440
Future Function	0	0	0	0	0	0	0	0	0	0
Future Function	0	0	0	0	0	0	0	0	0	0
Salaries, PR Taxes & WC	73,146	75,340	77,600	79,928	82,326	84,796	87,340	89,960	92,659	95,439
<b>Total Growth</b>	<b>94,376</b>	<b>97,205</b>	<b>100,121</b>	<b>103,124</b>	<b>106,219</b>	<b>109,406</b>	<b>112,689</b>	<b>116,069</b>	<b>119,551</b>	<b>123,137</b>

O & M BUDGET PROJECTIONS

Years 2010-2030

Boxelder Sanitation District  
Operating and Maintenance Expense

Description	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Administrative and General</b>										
Revenue Collection Process	74,987	77,247	79,584	81,961	84,410	86,942	89,550	92,237	95,004	97,854
Customer Relation Management	6,539	6,735	6,937	7,145	7,359	7,580	7,807	8,041	8,282	8,530
Accounting Process	13,264	13,662	14,072	14,494	14,929	15,377	15,838	16,313	16,802	17,308
Payroll Processing	3,355	3,456	3,560	3,667	3,777	3,890	4,007	4,127	4,251	4,379
Board Processing	12,564	12,862	13,351	13,752	14,165	14,590	15,028	15,479	15,943	16,421
Human Resources	2,383	2,465	2,539	2,616	2,693	2,774	2,857	2,943	3,031	3,122
Budget Process	41	42	43	44	45	46	47	48	49	50
Consultations	0	0	0	0	0	0	0	0	0	0
Communication	8,035	8,276	8,524	8,780	9,043	9,314	9,593	9,881	10,177	10,482
Ancillary Support System	109,408	112,690	116,071	119,553	123,140	126,834	130,639	134,558	138,595	142,753
Personnel Costs	55,880	57,556	59,283	61,061	62,893	64,780	66,723	68,725	70,787	72,911
Transportation Vehicles	1,634	1,683	1,733	1,785	1,839	1,894	1,951	2,010	2,070	2,132
Risk Management	8,090	8,333	8,583	8,840	9,105	9,378	9,659	9,949	10,247	10,554
Future Function	0	0	0	0	0	0	0	0	0	0
Future Function	0	0	0	0	0	0	0	0	0	0
Salaries, PR, Taxes & WC	424,015	436,735	449,637	463,332	477,232	491,549	506,295	521,484	537,129	553,243
<b>Total Administrative and General</b>	<b>720,235</b>	<b>741,842</b>	<b>764,097</b>	<b>787,019</b>	<b>810,630</b>	<b>834,948</b>	<b>859,994</b>	<b>885,795</b>	<b>912,367</b>	<b>939,737</b>
<b>Total Operation and Maintenance</b>	<b>2,668,774</b>	<b>2,748,840</b>	<b>2,831,306</b>	<b>2,916,243</b>	<b>3,003,733</b>	<b>3,093,845</b>	<b>3,186,660</b>	<b>3,282,260</b>	<b>3,380,725</b>	<b>3,482,151</b>
TAPS:	7,382	7,604	7,832	8,067	8,309	8,558	8,816	9,079	9,351	9,632

## **BOXELDER SANITATION DISTRICT WASTEWATER TREATMENT PLANT REPLACEMENT PROJECT**

**BOARD GOAL:** Design, build, and operate a safe, reliable, and fiscally responsible replacement Wastewater Treatment Plant (WWTP) within Boxelder Sanitation District that: 1) exceeds all current regulatory requirements; 2) is adaptable to new processes; 3) expandable for future growth needs. This goal will be achieved through the following planning objectives.

**BOARD VALUES.** As guiding principles for the replacement of the Boxelder Sanitation District WWTP, the Board of Directors has outlined the following project planning principles to ensure that the District's customers receive a responsible, safe, dependable and long-term value:

- 1) The WWTP should operate within all current discharge permit limits (and reasonably anticipated) regulatory requirements.
- 2) The WWTP must provide a high level of sustainability in design and operation.
- 3) The WWTP must be expandable to meet the anticipated long-term growth of the District over the lifetime of the facility.
- 4) The design for the WWTP should be energy efficient and environmentally conscious.
- 5) The design for the WWTP must incorporate operational safety, efficiency, and security.
- 6) The design of the WWTP must provide the District long-term cost efficiencies.
- 7) The design, construction, and operation of the WWTP should use qualified local resources as a commitment to local economic development and support for local businesses.

### **BOARD PROJECT PLANNING OBJECTIVES:**

1. The WWTP must exceed all existing federal and State regulations for the treatment of wastewater.
  - 1.1. Fulfill all requirements of the Colorado Department of Public Health and Environment specified in the District's discharge permit.
  - 1.2. Fulfill all requirements of the US Environmental Protection Agency.
  - 1.3. Fulfill all requirements of local and regional regulatory and planning agencies.
  - 1.4. Design the WWTP to allow the opportunities to comply with possible increased regulation.
2. The WWTP must provide a high level of sustainability in design and operation.
  - 2.1. The core infrastructure of the WWTP should have a life expectancy of 30 years.
  - 2.2. The WWTP design must provide for on-site administrative and laboratory facilities.
  - 2.3. The WWTP design must provide efficient land use on the existing site.
  - 2.4. The WWTP design must have the capacity to accommodate seasonal, natural, and unplanned/emergency event influent fluctuations.

- 2.5. The WWTP design must include high quality materials and equipment to maximize useful serviceability of the facility.
3. The WWTP must be expandable to meet the anticipated long-term growth of the District over the lifetime of the facility.
  - 3.1. The WWTP design must incorporate opportunities for expansion within the available site through build-out of additional treatment elements or existing systems and process improvement capabilities.
4. The design for the WWTP should consider opportunities for use of "Green" alternative power sourcing (including wind, solar, and hydro resources) for plant operations.
  - 4.1. Design will assess, evaluate, and incorporate feasible alternative energy sources and methods.
  - 4.2. Design will assess, evaluate, and use energy efficient materials and equipment.
5. The design for the WWTP must incorporate best practices for operational safety, efficiency, and security.
  - 5.1. The WWTP design must include safety systems, procedures and equipment to protect the facility staff and the natural resources into which the District discharges.
  - 5.2. The WWTP design will minimize the need for use and storage of dangerous chemicals and processes in the treatment of wastewater.
  - 5.3. The WWTP design will include provisions for efficient staffing.
  - 5.4. The WWTP design will provide operational controls to simplify otherwise complex treatment processes.
  - 5.5. The WWTP design will capitalize on automated operational systems (such as SCADA) with redundancies and manual operational capabilities.
  - 5.6. The WWTP design will accommodate a wide range of operational contingencies, including natural disasters and other emergency situations.
6. The design of the WWTP must provide the District long-term cost efficiencies.
  - 6.1. The WWTP design must be consistent with the Board's accountability for fiscal, funding/rate structure, and budget policy.
  - 6.2. The WWTP design must be completed in a timely manner allowing the Board to capitalize on available funding sources and favorable financing costs.
7. The design, construction, and operation of the WWTP should use qualified local resources as a commitment to local economic development and support for local businesses.
  - 7.1. The WWTP design and construction shall consider the use of qualified local Fort Collins and Larimer County businesses, to the greatest extent feasible, to deliver the replacement WWTP.

7.2. The WWTP design and construction process shall use the most efficient methods to ensure a "team" approach is used by all design consultants, architects, construction companies, project managers, engineers, financing, suppliers, inspectors, and other project partners.