

WATER & SEWER CAPITAL DETAIL

2008

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2008 10 Year Capital Improvement Plan - Water and Sewer Enterprise Fund

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City of Salida
2008 Water Fund and Sewer Fund Capital Budget
10 Year Projection - Equipment

Maintenance of Machinery & Equipment												
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Reason
Water Facilities												
Motors & Pump replacement	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
Chlorimeters		1,500							1,500			
16" Valve CR 120 Tank (Trail)	6,500											
South Ark Measuring Device		5,000										
Grounds Equipment		1,800				10,000			2,000			
Vehicle Replacement				19,000								
Upgrade billing software		20,000					25,000					5 year replacement plan
Computer and Software Upgrade		2,000					4,000					
Water Infrastructure												
Share of Heavy Equipment	30,923	30,923	30,923	30,923								loaders, backhoes, dump trucks
Leak Detector			20,000									
Hydraulic tapping machine			4,000									
Hydraulic valve opener				15,000								
Meter reading equipment	12,800											radio read system and meters
Tool & small equipment maint/replacement	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
Sewer Plant												
Lawn Mower							15,000					Industrial machine
Chlorine Equipment										25,000		replace old equipment
Computer Upgrade		4,000					5,000					
Vehicle Replacement						25,000						
Replacement equipment/motors	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
Upgrade billing software		20,000					25,000					5 year replacement plan

City of Salida
2008 Water Fund and Sewer Fund Capital Budget
10 Year Projection - Equipment

Maintenance of Machinery & Equipment												
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Reason
Sewer Collection												
Share of Heavy Equipment	31,426	31,426	31,426	31,426								
Tool & small equipment maint/replacement	5,000	6,000	6,000	6,000	7,000	7,000	8,000	8,000	8,000	8,000	8,000	
Total Equipment Water and Sewer	\$ 101,650	\$ 137,650	\$ 107,350	\$ 117,350	\$ 22,000	\$ 57,000	\$ 97,000	\$ 23,000	\$ 26,500	\$ 48,000	\$ 23,000	\$ 760,500
Summary by Department												
Water Facilities	\$ 11,500	\$ 35,300	\$ 5,000	\$ 24,000	\$ 5,000	\$ 15,000	\$ 34,000	\$ 5,000	\$ 8,500	\$ 5,000	\$ 5,000	
Water Infrastructure	48,723	35,923	59,923	50,923	5,000	5,000	5,000	5,000	5,000	5,000	5,000	
Total Water Fund Equipment	\$ 60,223	\$ 71,223	\$ 64,923	\$ 74,923	\$ 10,000	\$ 20,000	\$ 39,000	\$ 10,000	\$ 13,500	\$ 10,000	\$ 10,000	\$ 448,520
Sewer Plant	\$ 5,000	\$ 29,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 30,000	\$ 50,000	\$ 5,000	\$ 5,000	\$ 30,000	\$ 5,000	
Sewer Collection	36,426	37,426	37,426	37,426	7,000	7,000	8,000	8,000	8,000	8,000	8,000	
Total Sewer Fund Equipment	\$ 41,426	\$ 66,426	\$ 42,426	\$ 42,426	\$ 12,000	\$ 37,000	\$ 58,000	\$ 13,000	\$ 13,000	\$ 38,000	\$ 13,000	\$ 376,706

City of Salida
2008 Water Sewer Fund Capital Budget
10 Year Projection - Buildings

Building Maintenance/Replacement													
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Reason	
Water Facilities													
Pave lot at plant			10,000										
Plant upgrade - roof, windows						25,000							
Pressed concrete repair	3,500											Presedimentation basin	
Water Infrastructure													
Sewer Plant													
Trickling Filter Concrete	7,000												
Move electric service	15,000												
Lot paving				50,000									
Retaining wall on east fence line		7,000											
Replace gutters		8,000											
Roof buildings		50,000											
Sewer Collection													

City of Salida
2008 Water Sewer Fund Capital Budget
10 Year Projection - Infrastructure

Infrastructure Replacement/Maintenance												
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	
Water Facilities												
Clarifier repair	1,000											
Reservoir lining			100,000									
Reservoir Roof				120,000								
Water Infrastructure												
Fire Hydrants (6)	10,000	12,500	12,500	12,500	15,000	15,000	15,000	15,000	18,000	18,000	18,000	
Replace lines for paving	50,000	0	100,000	100,000	150,000	125,000	125,000					
Replace lefthanded valve	12,600											
Install radio read meters	170,000	410,000										
Replace old/failing lines	15,000	30,000			15,000	15,000						
Sewer Plant												
Sewer Collection												
Line Poncha main												
Poncha meter												
Replace lines	150,000	150,000	100,000	150,000	100,000	100,000	150,000	125,000	100,000	125,000	125,000	
Replace mains				300,000						200,000		
Line Poncha main												
Raise manholes		60,000										
Total Infrastructure	408,600	662,500	312,500	682,500	280,000	255,000	290,000	140,000	118,000	343,000	143,000	
Summary by Department												
Water Facilities	\$ 1,000	\$ -	\$ 100,000	\$ 120,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Water Infrastructure	257,600	452,500	112,500	112,500	180,000	155,000	140,000	15,000	18,000	18,000		
Total Water Fund Equip	\$ 258,600	\$ 452,500	\$ 212,500	\$ 232,500	\$ 180,000	\$ 155,000	\$ 140,000	\$ 15,000	\$ 18,000	\$ 18,000		
Sewer Plant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sewer Collection	150,000	210,000	100,000	450,000	100,000	100,000	150,000	125,000	100,000	325,000	125,000	
Total Sewer Fund Equip	\$ 150,000	\$ 210,000	\$ 100,000	\$ 450,000	\$ 100,000	\$ 100,000	\$ 150,000	\$ 125,000	\$ 100,000	\$ 325,000	\$ 125,000	
Total	\$ 408,600	\$ 662,500	\$ 312,500	\$ 682,500	\$ 280,000	\$ 255,000	\$ 290,000	\$ 140,000	\$ 118,000	\$ 343,000	\$ 125,000	

City of Salida
2008 Water Sewer Fund Capital Budget
10 Year Projection - Infrastructure

New Facilities & Infrastructure												
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	
Water Facilities												
Harrington Ditch Pipe	5,000											
Champ headgate		1,500	3,000	3,000								
PSOP Capacity Enlargement	39,885											
Install Microfiltration				50,000	3,000,000							
Pump station for Pasquales					75,000							
Pasquale controls					8,000							
Move gas generator to plant		10,000										
Pumps at plant for Tank	50,000	250,000										
Water Tank at Airport	600,000	100,000										
Water Rights Transfer	50,000	20,000										
Engineering Tank/Plant	50,000	100,000										
Water Infrastructure												
Pressure Vault on Mesa												
Upgrade Pasquales to year round					150,000							
Lines to & from tank	700,000	600,000										
Engineering lines	50,000	30,000										
Sewer Plant												
Scada System w computer					20,000	25,000	30,000					
Metering Station/Groover wash station		6,000										
Computerized Dump Station		15,000	300,000									
Ammonia/BOD treatment		300,000	100,000									
Design/Eng on plant expansion						120,000	50,000	50,000				
Flow meters for septage and forest vault		7,000								8,000		
Plant expansion							2,000,000	2,000,000				
New Bio-solids software					7,000							

City of Salida
2008 Water Sewer Fund Capital Budget
10 Year Projection - Infrastructure

New Facilities & Infrastructure												
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	
Sewer Collection												
Sewer Dump for RVs		10,000	220,000									
Sewer lining on Sackett			150,000									
Increase size on Scott & Dodge			75,000									
Total Infrastructure	1,544,885	1,449,500	848,000	53,000	3,260,000	145,000	2,080,000	2,050,000	-	-	-	
Summary by Department												
Water Facilities	\$ 794,885	\$ 481,500	\$ 3,000	\$ 53,000	\$ 3,083,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Water Infrastructure	750,000	630,000	-	-	150,000	-	-	-	-	-	-	
Total Water Fund Equipmer	\$ 1,544,885	\$ 1,111,500	\$ 3,000	\$ 53,000	\$ 3,233,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Sewer Plant	\$ -	\$ 328,000	\$ 400,000	\$ -	\$ 27,000	\$ 145,000	\$ 2,080,000	\$ 2,050,000	\$ -	\$ -	\$ -	
Sewer Collection	-	\$ 10,000	\$ 445,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total Sewer Fund Equipmer	\$ -	\$ 338,000	\$ 845,000	\$ -	\$ 27,000	\$ 145,000	\$ 2,080,000	\$ 2,050,000	\$ -	\$ -	\$ -	
Total	\$ 1,544,885	\$ 1,449,500	\$ 848,000	\$ 53,000	\$ 3,260,000	\$ 145,000	\$ 2,080,000	\$ 2,050,000	\$ -	\$ -	\$ -	

City of Salida
2008 Water Sewer Fund Capital Budget
10 Year Projection - Debt Service

Debt Payments		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2018	2020	Month
Water																
W	1990 Water Bonds															
	- Principal	\$ 55,000	\$ 60,000	\$ 65,000	\$ 65,000											Sept
	- Interest	19,600	15,200	10,400	5,200											Mar, Sept
PW	1996 Water & Sewer Bonds															
	- Principal	110,000	120,000	125,000	135,000	140,000	150,000	160,000	170,000	180,000	190,000	-				Nov
	- Interest	88,390	82,230	75,150	67,775	59,810	51,550	42,700	32,940	22,570	11,590	-				May, Nov
W	New Debt for tank & meters															
	- Principal		76,503	79,945	83,543	87,302	91,231	95,336	99,626	104,110	108,795	113,690	118,806	124,153	129,740	
	- Interest		108,000	104,557	100,960	97,200	93,272	89,166	84,876	80,393	75,708	70,812	65,696	60,350	54,763	
PW	2001 DOLA Assistance Loan															
	- Principal	6,755	7,092	7,447	7,819	8,210	8,621	9,052	9,504	9,980	10,479	11,003	11,553	12,130	12,737	Sept
	- Interest	7,288	6,950	6,595	6,223	5,832	5,422	4,991	4,538	4,063	3,564	3,040	2,490	1,912	1,306	Sept
W	Vandaveer Water Rights															
	- Principal	31,241	32,463	33,761	35,112	36,516	37,977	39,496	553,963							June
	- Interest	32,020	30,772	29,473	28,123	26,718	25,257	23,738	22,159							June
W	Debt for microfiltration - 2010						240,728	240,728	240,728	240,728	240,728	240,728	240,728	240,728	240,728	
Sewer																
	2011 Bond for new plant															
	- Principal						84,679	88,913	93,359	98,027	102,928	108,075	113,478	119,152	125,110	
	- Interest						140,000	135,766	131,320	126,652	121,751	116,605	111,201	105,527	99,569	
	2003 Water Authority Bond															
	- Principal	51,494	53,574	55,739	55,739	55,739	55,739	65,307								Sept
	- Interest	15,778	13,698	11,534	11,534	11,534	11,534	1,966								Apr, Sept
Total Enterprise Fund Debt Payments		\$ 417,566	\$ 606,482	\$ 604,602	\$ 602,028	\$ 528,862	\$ 996,010	\$ 997,160	\$1,443,014	\$ 866,523	\$ 865,542	\$ 663,952	\$ 663,952	\$ 663,952	\$ 663,952	\$ 8,761,349
Summary by Fund																
	Water	\$ 350,294	\$ 539,210	\$ 537,329	\$ 534,755	\$ 461,589	\$ 704,057	\$ 705,207	\$1,218,334	\$ 641,843	\$ 640,863	\$ 439,273	\$ 439,273	\$ 439,273	\$ 439,273	\$ 7,032,500
	Sewer	67,272	67,272	67,273	67,273	67,273	291,952	291,952	224,679	224,679	224,679	224,679	224,679	224,679	224,679	1,728,849
	Debt Payments	\$ 417,566	\$ 606,482	\$ 604,602	\$ 602,028	\$ 528,862	\$ 996,010	\$ 997,160	\$1,443,014	\$ 866,523	\$ 865,542	\$ 663,952	\$ 663,952	\$ 663,952	\$ 663,952	\$ 8,761,349

City of Salida
2008 Water Fund Capital Budget Summary
10 Year Projection

Water Fund Capital Expenditures & Projects

Water Fund Maintenance/Replacement	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Machinery & Equipment Maintenance/Replacement	\$ 60,223	\$ 71,223	\$ 64,923	\$ 74,923	\$ 10,000	\$ 20,000	\$ 39,000	\$ 10,000	\$ 13,500	\$ 10,000	\$ 10,000	383,794
Building	3,500	-	10,000	-	-	25,000	-	-	-	-	-	38,500
Infrastructure	258,600	452,500	212,500	232,500	180,000	180,000	165,000	165,000	168,000	168,000	168,001	2,350,101
Total Capital Maintenance	\$ 322,323	\$ 523,723	\$ 287,423	\$ 307,423	\$ 190,000	\$ 225,000	\$ 204,000	\$ 175,000	\$ 181,500	\$ 178,000	\$ 178,001	\$ 2,772,395
Water Beg Reserves for Maintenance	\$ 140,000	\$ 349,210	\$ 81,164	\$ 74,702	\$ 51,570	\$ 149,289	\$ 215,540	\$ 181,540	\$ 176,540	\$ 176,540	\$ 165,040	
Water Revenues for Maintenance:												
- From Water Maint charges	81,533	105,678	110,962	114,291	117,719	121,251						
- From water base charges	150,000	150,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	170,000	
- Grants												
- Loans	300,000											
Total revenues available	671,533	604,888	362,126	358,993	339,289	440,540	385,540	351,540	346,540	346,540	335,040	
Water Ending Reserves for Maintenance	349,210	81,164	74,702	51,570	149,289	215,540	181,540	176,540	165,040	168,540	157,039	

Water Fund New Facilities/Infrastructure	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Facilities	\$ 794,885	\$ 481,500	\$ 3,000	\$ 53,000	\$ 3,083,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	4,415,385
Debt on new facilities	350,294	539,210	537,329	534,755	461,589	704,057	705,207	1,218,334	641,843	640,863	439,273	6,772,755
Infrastructure	750,000	630,000	-	-	150,000	-	-	-	-	-	-	1,530,000
Total New Facilities/Infrastructure	\$ 1,895,179	\$ 1,650,710	\$ 540,329	\$ 587,755	\$ 3,694,589	\$ 704,057	\$ 705,207	\$ 1,218,334	\$ 641,843	\$ 640,863	\$ 439,273	12,718,140

Beg Water Reserves for New Capital	\$ 738,963	\$ 2,189,284	\$ 949,681	\$ 836,358	\$ 3,707,174	\$ 478,765	\$ 183,954	\$ (517,254)	\$ (1,731,588)	\$ (1,731,588)	\$ (2,369,432)	
- System Development Fees	130,500	137,025	143,876	158,264	163,012	167,902						
- Fees in quarterly rates	64,400	66,332	68,322	71,738	75,325	79,091						
- Water Resource Fees	123,000	129,150	135,608	149,168	153,643	158,253						
- Repayment of line costs	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	
- Grants	550,000											
- Property tax	73,600	74,600	75,200	75,400	70,200	-	-	-	-	-	-	
- Loans	2,400,000			3,000,000								
Total revenues available	4,084,463	2,600,391	1,376,687	4,294,929	4,173,354	888,011	187,954	(513,254)	(1,727,588)	(1,727,588)	(2,365,432)	
Ending Water Reserves for New Capital	\$ 2,189,284	\$ 949,681	\$ 836,358	\$ 3,707,174	\$ 478,765	\$ 183,954	\$ (517,254)	\$ (1,731,588)	\$ (2,369,432)	\$ (2,368,451)	\$ (2,804,705)	

**City of Salida
2008 Sewer Fund Capital Budget Summary
10 Year Projection**

Sewer Fund Capital Expenditures & Projects

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Sewer Fund Maintenance/Replacement												
Machinery & Equipment Maintenance/Replacement	\$ 41,426	\$ 66,426	\$ 42,426	\$ 42,426	\$ 12,000	\$ 37,000	\$ 58,000	\$ 13,000	\$ 38,000	\$ 13,000	\$ 376,706	740,412
Building	22,000	65,000	-	50,000	-	-	-	-	-	-	137,000	274,000
Infrastructure	150,000	210,000	100,000	450,000	100,000	100,000	150,000	125,000	325,000	125,000	-	1,835,000
Debt Payments												-
Total Capital Maintenance	\$ 213,426	\$ 341,426	\$ 142,426	\$ 542,426	\$ 112,000	\$ 137,000	\$ 208,000	\$ 138,000	\$ 363,000	\$ 138,000	\$ 513,706	\$ 2,849,412
Sewer Beg Reserves for Maintenance	\$ 981,467	\$ 835,541	\$ 574,114	\$ 415,717	\$ (86,710)	\$ (158,710)	\$ (255,710)	\$ (423,710)	\$ (521,710)	\$ (844,710)	\$ (942,710)	
Sewer Revenues for Maintenance:												
- From Prior year sewer charges	67,500	80,000	(15,971)	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	
- Financing income												
- Grants												
- Loans												
Total revenues available	1,048,967	915,541	558,143	455,717	(46,710)	(118,710)	(215,710)	(383,710)	(481,710)	(804,710)	(902,710)	
Sewer Ending Reserves for Maintenance	835,541	574,114	415,717	(86,710)	(158,710)	(255,710)	(423,710)	(521,710)	(844,710)	(942,710)	(1,416,416)	
Sewer Fund New Facilities/Infrastructure												
Facilities	\$ -	\$ 328,000	\$ 400,000	\$ -	\$ 27,000	\$ 145,000	\$ 2,080,000	\$ 2,050,000	\$ -	\$ -	\$ -	5,030,000
Debt on new facilities	67,272	67,272	67,272	67,273	67,273	67,273	291,952	291,952	224,679	224,679	224,679	1,661,577
Infrastructure	-	10,000	445,000	-	-	-	-	-	-	-	-	455,000
Total New Facilities/Infrastructure	\$ 67,272	\$ 405,272	\$ 912,272	\$ 67,273	\$ 94,273	\$ 212,273	\$ 2,371,952	\$ 2,341,952	\$ 224,679	\$ 224,679	\$ 224,679	7,146,577
Beg Sewer Reserves for New Capital	\$ 591,612	\$ 721,585	\$ 478,913	\$ (50,759)	\$ 4,568	\$ 2,832,895	\$ 2,741,122	\$ 489,670	\$ (1,731,783)	\$ (1,835,962)	\$ (1,940,141)	
- System Development Fees	\$ 124,648	\$ 77,500	\$ 77,500	\$ 77,500	\$ 77,500	\$ 77,500	\$ 77,500	\$ 77,500	\$ 77,500	\$ 77,500	\$ 77,500	
- Fund from sewer charges	\$ 67,500	\$ 80,000	\$ -	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	
- Grants			\$ 300,000									
- Grand Ave Payments	\$ 5,097	\$ 5,100	\$ 5,100	\$ 5,100	\$ 5,100	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	
- Loans					\$ 2,800,000							
Total revenues available	788,857	884,185	861,513	71,841	2,927,168	2,953,395	2,861,622	610,170	(1,611,283)	(1,715,462)	(1,819,641)	
Ending Sewer Reserves for New Capital	\$ 721,585	\$ 478,913	\$ (50,759)	\$ 4,568	\$ 2,832,895	\$ 2,741,122	\$ 489,670	\$ (1,731,783)	\$ (1,835,962)	\$ (1,940,141)	\$ (2,044,320)	