

San Antonio Water System
2011 Capital Improvement Program - Approved by SAWS Board of Trustees June 8, 2010

<i>Project Title</i>	<i>Cost Element</i>	<i>Cost Estimate</i>	<i>Programmed Amount</i>
WASTEWATER CORE BUSINESS			
Corporate			
Access Control	Construction	\$1,050,000	\$1,141,665
Data Warehouse	Acquisition	\$250,000	\$271,825
Enterprise Resource Software System (ERSS) - WW Share	Acquisition	\$1,000,000	\$1,087,300
Lawson	Acquisition	\$350,000	\$380,555
Service Center Facility Plan	Design	\$750,000	\$815,475
		\$3,400,000	\$3,696,820
Collection Growth			
C_3_SA Airport _McCollough and Wetmore to Basse	Acquisition/De:	\$1,169,000	\$1,271,054
C_5_Culebra and Castroville to Laredo	Acquisition/De:	\$833,000	\$905,721
E_4_Bulverde_Evans to Redland	Acquisition/De:	\$626,000	\$680,650
FW_27_Medio Creek _Hwy 90 to Medio WRC	Construction	\$1,000,000	\$1,087,300
Install sewer main from LS 224 to MRSO	Design	\$44,000	\$47,841
Medina River Sewer Outfall Segment 2	Construction	\$13,989,023	\$15,210,265
Medina River Sewer Outfall Segment 3	Construction	\$17,462,504	\$18,986,981
Sewer Main Oversizing	Construction	\$300,000	\$326,190
Verano Sewer Main and Lift Stations	Construction	\$1,159,734	\$1,260,979
W_1_Leon Creek _Hwy 151 to Hwy 90	Design	\$1,114,000	\$1,211,252
W_2_Huebner Creek _Eckhart to Shadow Mist (formerly W-06)	Design	\$329,000	\$357,722
W_31_IH-10_Boerne Stage to Old Fredericksburg	Design	\$700,000	\$761,110
		\$38,726,261	\$42,107,064
Collection R&R			
C-33 Broadway Corridor	Construction	\$8,000,000	\$8,698,400
Lift Station Rehabilitation Phase 2	Construction	\$6,500,000	\$7,067,450
San Antonio River Outfall Pipeline Rehabilitation	Design	\$1,000,000	\$1,087,300
SSO Rehabilitation	Construction	\$8,000,000	\$8,698,400
		\$23,500,000	\$25,551,550
Governmental Sewer			
Adjustments	Construction	\$4,800,000	\$5,219,040
Installations	Construction	\$1,000,000	\$1,087,300
Replacements	Construction	\$9,000,000	\$9,785,700
		\$14,800,000	\$16,092,040
Main Replacements Sewer			
Annual Survey Sewer 2011	Construction	\$100,000	\$108,730
CIPP Contract	Construction	\$4,000,000	\$4,349,200
Eastern Wastewater Sewer Siphon 6 Rehab and Replacement	Construction	\$2,000,000	\$2,174,600
Main Replacements - Sewer - SAWS Crews	Construction	\$1,000,000	\$1,087,300
Open Cut Sewer Contract	Construction	\$2,000,000	\$2,174,600
Pipe Bursting Contract 2011	Construction	\$8,000,000	\$8,698,400
Sewer Laterals 2011	Construction	\$1,000,000	\$1,087,300
Unspecified Services Engineering Contract 2011	Design	\$2,000,000	\$2,174,600
		\$20,100,000	\$21,854,730
Treatment Growth			
Dos Rios Re-rating Phase I - Headworks Improvements and System Er Construction		\$15,000,000	\$16,309,500
		\$15,000,000	\$16,309,500
Treatment R&R			
Dos Rios WRC Digester Mixing and System Enhancements - Phase 2	Design	\$940,000	\$1,022,062
Dos Rios WRC Electrical Master Plan	Design	\$200,000	\$217,460
		\$1,140,000	\$1,239,522
TOTAL WASTEWATER		\$116,666,261	\$126,851,226

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WATER DELIVERY CORE BUSINESS			
Corporate			
Access Control	Construction	\$1,050,000	\$1,214,010
Data Warehouse	Acquisition	\$250,000	\$289,050
Enterprise Resource Software System (ERSS) - Water Share	Acquisition	\$1,000,000	\$1,156,200
Lawson	Acquisition	\$350,000	\$404,670
Service Center Facility Plan	Design	\$750,000	\$867,150
		\$3,400,000	\$3,931,080
Distribution Growth			
Micron 48-inch Water Main Extension to Anderson Tank Segment 1 (7-	Construction	\$2,700,000	\$3,121,740
Water Main Oversizing	Construction	\$2,000,000	\$2,312,400
		\$4,700,000	\$5,434,140
Governmental Water			
Adjustments	Construction	\$6,100,000	\$7,052,820
Installations	Construction	\$700,000	\$809,340
Replacements	Construction	\$9,200,000	\$10,637,040
		\$16,000,000	\$18,499,200
Main Replacements Water			
Brightwood Main 8-inch Water Line	Construction	\$500,000	\$578,100
Annual Survey Water	Construction	\$100,000	\$115,620
Main Replacements - Water - SAWS Crews	Construction	\$1,000,000	\$1,156,200
Meter Replacements	Construction	\$1,100,000	\$1,271,820
Unspecified Services Engineering Contract	Design	\$400,000	\$462,480
Valves, Services and Meters	Construction	\$3,000,000	\$3,468,600
Open Cut Water Contract	Construction	\$1,000,000	\$1,156,200
		\$7,100,000	\$8,209,020
Production Growth			
Anderson Tank and Pump Station (MP 2012)	Construction	\$9,450,000	\$10,926,090
		\$9,450,000	\$10,926,090
Production R&R			
Judson Tank Replacement	Design	\$250,000	\$289,050
Relocate Loma Linda Tank	Design	\$200,000	\$231,240
Replace Tanks at Port SA	Construction	\$1,100,000	\$1,271,820
		\$1,550,000	\$1,792,110
TOTAL WATER DELIVERY		\$42,200,000	\$48,791,640
TOTAL WW & WD		\$158,866,261	\$175,642,866

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WATER SUPPLY CORE BUSINESS			
Recycle Program			
Pinn Road Pump Station Upgrade	Construction	\$500,000	\$549,800
Recycle Customer Lines	Construction	\$1,000,000	\$1,099,600
		<u>\$1,500,000</u>	<u>\$1,649,400</u>
Water Resources			
Desalination: Additional Pilot Testing	Design	\$200,000	\$216,920
Desalination: Constructability Review	Design	\$500,000	\$542,300
Desalination: Legal	Acquisition	\$450,000	\$488,070
Desalination: Production Well Design Services -- Package 1	Construction	\$11,000,000	\$11,930,600
Integration: Land Acquisition	Acquisition	\$4,200,000	\$4,555,320
Regional Carrizo: Buckhorn - SSLGC WTP Pipeline	Construction	\$10,000,000	\$10,846,000
Regional Carrizo: Buckhorn Wellfield Collection System	Construction	\$14,410,000	\$15,629,086
Regional Carrizo: Construction Management and Inspection (CM&I)	Construction	\$3,000,000	\$3,253,800
Regional Carrizo: Electrical Requirements (Power)	Design	\$2,000,000	\$2,169,200
Regional Carrizo: Legal	Acquisition	\$85,000	\$92,191
Regional Carrizo: SSLGC - Naco Pipeline	Construction	\$18,400,000	\$19,956,640
Regional Carrizo: SSLGC/SAWS Booster PS	Construction	\$7,000,000	\$7,592,200
Twin Oaks ASR SCADA Upgrade	Design	\$50,000	\$54,230
		<u>\$71,295,000</u>	<u>\$77,326,557</u>
TOTAL WATER SUPPLY		\$72,795,000	\$78,975,957

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HEATING & COOLING CORE BUSINESS			
Heating & Cooling			
Heating and Cooling System Infrastructure 2011	Construction	\$100,000	\$110,000
Heating & Cooling Facilities SCADA Upgrade	Design	\$150,000	\$165,000
		<u>\$250,000</u>	<u>\$275,000</u>

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PROGRAM TOTALS			
Wastewater		\$116,666,261	\$126,851,226
Water Delivery		\$42,200,000	\$48,791,640
Water Supply		\$72,795,000	\$78,975,957
Heating & Cooling		\$250,000	\$275,000
TOTAL CIP		\$231,911,261	\$254,893,823