

RESOLUTION OF THE BOARD OF DIRECTORS OF WEST COUNTY  
WASTEWATER DISTRICT, COUNTY OF CONTRA COSTA, CALIFORNIA

RESOLUTION NO. 15-063

ADOPTING THE CAPITAL IMPROVEMENT PLAN AND BUDGET FOR  
FISCAL YEARS 2015/16 AND 2016/17

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The Board of Directors finds that:

1. It is the duty of the Board of Directors of the West County Wastewater District to estimate the necessary revenue to meet lawful obligations and operating expenses of the District.
2. The Board of Directors has reviewed the proposed Capital Improvement Plan and Budget for Fiscal Years 2015/16 & 2016/17;
3. Sufficient revenue is anticipated, in addition to borrowing from the State Revolving Fund, to cover capital improvement projects each fiscal year.

The Board of Directors of the West County Wastewater District, Contra Costa County, California hereby adopts the Capital Improvement Plan and Budget for Fiscal Years 2015/16 and 2016/17.

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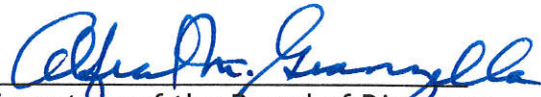
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I **HEREBY CERTIFY** that the foregoing resolution was duly and regularly adopted by the Board of Directors of the West County Wastewater District, Contra Costa County, California, at a regular meeting thereof held on the 1st day of July, 2015, by the following vote:

AYES: Granzella, Toler, Comeaux, McNeil, Caine

NOES: None

ABSENT: None



Secretary of the Board of Directors  
West County Wastewater District  
Contra Costa County, California

West County Wastewater District: 5-Year Capital Improvement Plan

last revision: June 19, 2015

District or Master Plan Project #	Project Title or Description	TOTAL THROUGH FY 2019-20	PROJECTED THROUGH FY 2014-15	FISCAL YEAR 2015-16	FISCAL YEAR 2016-17	FISCAL YEAR 2017-18	FISCAL YEAR 2018-19	FISCAL YEAR 2019-20	PROJECT NOTES
<b>AD - Administration</b>									
14AD101	District Office Facilities	127,990	55,000	72,990					Budget transfers to 14AD102, 14CS213, 12PS603, 14CS214 In construction. Proposed carry over into FY 15-16 Moved back to FY 17-18
14AD102	Switchboard MDB Replacement	325,000	255,000	70,000					
14AD103	Document Retention Program	100,000				100,000			
<b>CS- Collection System</b>									
14CS202	Sewer Replacements	1,431,400				335,773	1,095,627		Moved back to FY 17-18. Scope and budget reduced.
14CS204	Market Ave Sewer Replacement	1,477,000	80,000	1,397,000					Design complete. Carry over into FY 15-16.
14CS213	Hazel Ave and Dimm Way	186,000	146,000	40,000					In construction
14CS214	Church Lane Phase 2	262,000	60,000	202,000					In construction
15CS203	Riverside Ave Sewer Bypass	100,000	20,000	80,000					New project in design
15CS204	Sewer Replacements	2,165,498				1,028,789	1,136,709		Moved back to FY 17-18
CSR01	El Camino at Pacific Dr	314,000				31,400	241,780	40,820	Moved back to FY 17-18
CSR02	Richmond Parkway and Goodrick	1,042,000				104,200	802,340	135,460	Moved back to FY 17-18
CSR03	Hilltop Green force main	166,000				46,480	119,520		Moved back to FY 17-18
CSR05	San Pablo Dam Road	856,000				85,600	659,120	111,280	Moved back to FY 17-18
CSR06	Rollingwood Drive / Mission Bell Drive	3,179,000				317,900	2,447,830	413,270	Moved back to FY 17-18
CSR08	Wildcat Creek / 13th St / Verde Ave	851,000				85,100	655,270	110,630	Moved back to FY 17-18
<b>PS - Plant Structures</b>									
12PS602	Vactor Spoils Facility	99,000	65,000	34,000					
12PS603	Sodium Hypochlorite Tanks	250,000	100,000	150,000					Design awarded
12PS605	Cathodic Protection	330,000	90,000	120,000	120,000				Extended an additional year into FY 16-17
10PS607	Garden Tract Road Rehabilitation	112,660				112,660			Moved back to FY 17-18
15PS604	Facilities at WPCP (Operations bldg, HVAC)	226,000	2,000	224,000					Proposed carry over into FY 15-16
DF05	New CSO and Admin bldg at WPCP	11,676,000					3,851,000	7,825,000	Additional project spending in FY 20-21 (\$9,542,000)
<b>PP - Plant Process</b>									
12PP502	Flowmeter at Richmond WPCP	100,000	15,000	85,000					Proposed carry over into FY 15-16
10PP504	SCADA upgrades at WPCP	294,000	72,000	222,000					Request for Proposals
<b>EG - Engineering</b>									
12EG302	Master Plan and SRF PEIR support	2,544,000	2,323,311	220,689					Budget increased for PEIR support of SRF Application #3
15EG302	Inflow and Infiltration study	430,000	8,000	101,000	104,000	107,000	110,000		Budget increased
EG04	Digester and Cogeneration Feasibility Study	100,000			100,000				
EG05	Updates to WPCP portion of Master Plan	750,000			750,000				
15EG301	Hansen conversion to NASSCO	20,000	12,000	8,000					Training scheduled. Budget reduced.
<b>First SRF application</b>									
14CS206	SRF Bid Package #1- Pipes 12" and less	1,689,000	70,000	1,619,000					CSR04, CSR21, CSR56. Design complete.
14CS207	SRF Bid Package #2- Pipes 15" and greater	1,881,000	25,000	1,612,000	244,000				CSC36, CSR09, CSC10A, CSC10B. Design near completion
14LS407	SRF Bid Package #3- Lift Station Wet Wells, pumps and controls	1,496,000	60,000	1,436,000					Combined SRF #5 into #3. Predesign near completion
14LS406	SRF Bid Package #4- Hilltop Green Wet Well	1,421,000	80,000	200,000	1,141,000				Design contract awarded
14PP501	SRF Bid Package #6-Electrical Improvements at WPCP	4,058,000	100,000	1,518,000	2,440,000				Design contract awarded. Budget increased per predesign
15PS601	SRF Bid Package #7- Seismic Improvements at WPCP	2,029,000	183,000	1,846,000					Design contract awarded
15PP501	SRF Bid Package #8- Mechanical Improvements at WPCP	2,223,000	150,000	2,073,000					Design contract awarded. Budget increased per predesign
15PS602	SRF Bid Package #9- Primary Clarifiers Rehabilitation	3,667,000	250,000	1,327,000	2,090,000				Construction awarded. Budget increased per predesign

West County Wastewater District: 5-Year Capital Improvement Plan

last revision: June 19, 2015

District or Master Plan Project #	Project Title or Description	TOTAL THROUGH FY 2019-20	PROJECTED THROUGH FY 2014-15	FISCAL YEAR 2015-16	FISCAL YEAR 2016-17	FISCAL YEAR 2017-18	FISCAL YEAR 2018-19	FISCAL YEAR 2019-20	PROJECT NOTES
<b>Second SRF application</b>									
15PP503	Recycled Water Reliability Upgrades	28,155,000	240,000	13,444,691	14,470,309				
<b>Third SRF application</b>									
15PS603	New maintenance building at WPCP	8,235,000	2,400	2,673,975	3,705,750	1,852,875			Third SRF application
15PP502	Odor Control at WPCP	3,980,000			183,000	3,000,000	797,000		Third SRF application
10PS606	Digester Gas Siloxane Removal	250,000				25,000	225,000		Third SRF application
PPP02	Cogeneration Upgrade	9,529,000				952,900	4,288,050	4,288,050	Third SRF application
PPP03	Boiler Bldg/Digester heat	10,231,000				1,023,100	4,603,950	4,603,950	Third SRF application
PPR04	Coating Digester #2	235,000			23,500	105,750	105,750		Third SRF application
PPR08	Rehabilitation of Digester Mechanical Equipment	282,000					282,000		Third SRF application
CSR18	San Pablo Dam Rd, Hillside Dr near Castro Ranch Rd	589,000		164,920	424,080				Third SRF application Phase 1A
CSC35	Amador Street North of Shasta	448,000		44,800	344,960	58,240			Third SRF application Phase 1B
CSC10	Market Ave from Rumrill to 7th	664,000		66,400	511,280	86,320			Third SRF application Phase 1B
CSR13	Lettia Dr, San Pablo Ave, Atlas Rd, Flannery Rd, Brian Rd	491,000		49,100	378,070	63,830			Third SRF application Phase 1B
CSR14	Richmond Pkwy, Goodrick Ave, 11th St, Rheem Creek, Collins	822,000		82,200	632,940	106,860			Third SRF application Phase 1B
CSR15	Maps N-15, N-16, N-17, O-15, O-16, O-17A, P-15, P-16	1,919,000		191,900	1,477,630	249,470			Third SRF application Phase 1B
CSR16	Maps M-12, N-11, N-11A, N-11B, O-11, O-12	1,518,000		425,040	1,092,960				Third SRF application Phase 1B
CSR17	San Pablo Dam Rd, El Portal Rd, Hillcrest Rd, Greenridge Dr	756,000		75,600	582,120	98,280			Third SRF application Phase 1B
CSR19	Garden Tract Rd, Market Ave, Filbert St, Pittsburgh Ave	338,000		33,800	260,260	43,940			Third SRF application Phase 1B
CSR20	Parr Blvd, 13th St, Victoria Ct, Brookside Dr, Giant Rd, Verde Rd	1,706,000		170,600	1,313,620	221,780			Third SRF application Phase 1B
CSR25	Cornelius Dr, Shannon Ave, Atlas Rd, Galway Rd, O'Harte Ave	791,000			221,480	569,520			Third SRF application Phase 2A
CSR26	Lakeside Dr, Hilltop Mall, Lancaster, Birmingham, Moyers	508,000			142,240	365,760			Third SRF application Phase 2A
CSR27	Appian Way, Stallion Rd, Heath Dr, Robert Way, Joan Vista	916,000			256,480	659,520			Third SRF application Phase 2A
CSR29	M-11, M-12, N-10, N-11, N-11A, N-11B, N-12A, O-11, O-12	1,658,000			464,240	1,193,760			Third SRF application Phase 2A
CSR30	L-17, L-18, M-15, M-16, M-17, N-14, N-15, N-16, N-17, O-15	1,284,000			359,520	924,480			Third SRF application Phase 2A
CSC01	Central St, Pittsburg Ave, Garden Tract Rd to Wildcat Creek	1,181,460			135,800	1,045,660			Third SRF application Phase 2B
CSC11	Dover Ave, Rumrill Blvd from Tyler St to Market Ave	767,340			88,200	679,140			Third SRF application Phase 2B
CSR28	Giant Rd, 20th St, 19th St, 14th St, San Pablo Ave.	1,973,160			226,800	1,746,360			Third SRF application Phase 2B
CSC23	Dover Avenue from 23rd St. to Tyler St.	504,000				141,120	362,880		Third SRF application Phase 3A
CSR33	Arlington, Marin, Yuba, Riverside, Amador, Casino, Park	787,000				220,360	566,640		Third SRF application Phase 3A
CSR34	Maps I-14, J-13, J-14, K-14	3,715,000				1,040,200	2,674,800		Third SRF application Phase 3A
CSR38	Foster lane, Appian Way and Fairway Drive	265,000				74,200	190,800		Third SRF application Phase 3A
CSR39	May Road between Meadowbrook and Valley View	109,360				30,520	78,840		Third SRF application Phase 3A
CSR40	San Pablo Dam Rd near May Rd, El Portal Dr near I-80	86,000				24,080	61,920		Third SRF application Phase 3A
CSR41	Moyers Rd near Annapolis Ave, El Portal Dr near Fordham St.	192,000				53,760	138,240		Third SRF application Phase 3A
CSR42	17th St. near Market Ave, Road 20 near 18th St.	213,000				59,640	153,360		Third SRF application Phase 3A
CSR44	Park Ave near Oak St, North Arlington near Riverside	119,000				33,320	85,680		Third SRF application Phase 3A
CSR45	San Pablo Dam Rd near Tri Lane, Hillside Rd, Trailside Drive	351,000				98,280	252,720		Third SRF application Phase 3A
CSC25	Dover Ave from Dodson Street to 23rd Street	416,000				41,600	320,320	54,080	Third SRF application Phase 3A
CSR32	Maps K-10, K-11, L-10, L-11, L-12, M-10, M-11, M-9	2,712,000				759,360	1,952,640		Third SRF application Phase 3B
CSC24	Church Lane / Dover Ave. from Alvarado St. to Tyler St.	1,236,000				123,600	951,720	160,680	Third SRF application Phase 3B
CSR31	Gertrude Ave, Martin Drive, Ruby Ave, Malcolm Drive	768,000				76,800	591,360	99,840	Third SRF application Phase 3B
CSR37	Contra Costa College, Lakeside pump station area, Giant Rd	1,673,000				167,300	1,288,210	217,490	Third SRF application Phase 3B
CSR43	Central Street near Wildcat Creek and 1st Street	292,000				29,200	224,840	37,960	Third SRF application Phase 3B

West County Wastewater District: 5-Year Capital Improvement Plan

last revision: June 19, 2015

District or Master Plan Project #	Project Title or Description	TOTAL THROUGH FY 2019-20	PROJECTED THROUGH FY 2014-15	FISCAL YEAR 2015-16	FISCAL YEAR 2016-17	FISCAL YEAR 2017-18	FISCAL YEAR 2018-19	FISCAL YEAR 2019-20	PROJECT NOTES
CSC Tara Hills	connection of 12" to 18" casing under RR	46,000					4,600	41,400	Third SRF application Phase 4A
CSC Tara Hills	force main to gravity trunk	390,000					39,000	351,000	Third SRF application Phase 4A
CSC Tara Hills		1,603,000					160,300	1,442,700	Third SRF application Phase 4A
CSR49	Maps S-11, T-14	72,000					20,160	51,840	Third SRF application Phase 4B
CSR50	Maps O-15, P-15, Q-15, R-15	1,180,000					330,400	849,600	Third SRF application Phase 4B
CSR51	Maps L-18, N-14, N-15, N-17	318,000					89,040	228,960	Third SRF application Phase 4B
CSR52	Maps O-12, O-13, P-12, P-13, Q-13	1,309,000					366,520	942,480	Third SRF application Phase 4B
CSR53	Maps N-11A, O-10A, O-11, O-12, P-10, P-11	3,247,000					909,160	2,337,840	Third SRF application Phase 4B
CSR54	Maps K-8, L-8, L-9, M-9	863,000					86,300	776,700	Third SRF application Phase 4B
CSR55	Maps K-11, L-10, L-11, M-10, M-11, M-12	3,210,000					898,800	2,311,200	Third SRF application Phase 4B
Revised total of all Projects		152,881,868	4,463,711	32,080,705	34,284,239	20,400,787	34,220,196	27,432,230	
Original totals presented on 6-17-14 with the FY 14-15 CIP budget			19,509,153	22,603,585	23,270,840	33,582,622	na	na	
CIP Project Totals as presented by NBS in Exhibit 2 (CIP) dated May 23, 2015		183,015,987	9,700,105	33,155,189	36,959,920	26,038,807	45,159,976	32,001,990	
<b>Other Capital Expenses</b>									
Equipment		1,264,500	214,500	260,000	190,000	200,000	200,000	200,000	
Lateral Grant		2,500,000	2,178,403	321,597	0	0	0	0	
<b>Total of all CIP Project totals plus Equipment and Lateral grant)</b>			<b>6,856,614</b>	<b>32,662,302</b>	<b>34,474,239</b>	<b>20,600,787</b>	<b>34,420,196</b>	<b>27,632,230</b>	

**WEST COUNTY WASTEWATER DISTRICT**  
**Capital Improvement Fund: Five-Year Fund Analysis**

	FY 12 ACTUALS	FY 13 ACTUALS	FY 14 ACTUALS	FY 15 ACTUALS	FY 16 PROPOSED	FY 17 PROPOSED	FY 18 PROJECTED	FY19 PROJECTED	FY20 PROJECTED
<b>Fund Balance</b>	<b>11,154,690</b>	<b>9,506,570</b>	<b>7,796,298</b>	<b>6,699,337</b>	<b>8,339,182</b>	<b>8,068,126</b>	<b>8,034,963</b>	<b>10,076,643</b>	<b>11,443,977</b>
<b>Revenues</b>									
Taxes	809,348	773,092	910,446	1,064,473	1,085,762	1,107,477	1,129,627	1,152,219	1,175,264
Interest	24,004	19,809	16,006	11,124	12,509	12,102	12,052	15,115	17,166
Connection Fees	64,225	119,646	186,505	626,734	100,000	100,000	100,000	100,000	100,000
Miscellaneous Revenue	-	-	-	-	-	-	-	-	-
Loan Drawdown	-	-	-	74,969	30,080,705	32,184,239	18,400,787	32,020,196	25,232,230
<b>TOTAL REVENUE</b>	<b>897,577</b>	<b>912,547</b>	<b>1,112,957</b>	<b>1,777,300</b>	<b>31,278,976</b>	<b>33,403,819</b>	<b>19,642,466</b>	<b>33,287,530</b>	<b>26,524,660</b>
<b>Expenditures</b>									
Salaries	111,401	110,970	181,119	271,940	697,984	761,304	799,369	839,338	881,305
Benefits	62,231	70,356	90,463	128,803	302,016	338,696	355,631	373,412	392,083
Construction	1,166,145	2,949,807	2,745,230	474,670	30,080,705	32,184,239	18,400,787	32,020,196	25,232,230
Equipment	336,328	88,552	68,664	174,551	260,000	190,000	200,000	200,000	200,000
Lateral Grant Payments	207,730	250,000	323,315	359,600	321,597	-	-	-	-
Misc. Expenses	1,161,862	653,134	715,169	727,891	1,000,000	1,000,000	845,000	987,250	926,613
<b>TOTAL EXPENDITURES</b>	<b>3,045,697</b>	<b>4,122,819</b>	<b>4,123,959</b>	<b>2,137,455</b>	<b>32,662,302</b>	<b>34,474,239</b>	<b>20,600,787</b>	<b>34,420,196</b>	<b>27,632,230</b>
Annual Surplus/(Shortfall)	(2,148,120)	(3,210,272)	(3,011,002)	(360,156)	(1,383,326)	(1,070,420)	(958,321)	(1,132,666)	(1,107,570)
<b>Gross Fund Balance</b>	<b>9,006,570</b>	<b>6,296,298</b>	<b>4,785,297</b>	<b>6,339,182</b>	<b>6,955,856</b>	<b>6,997,705</b>	<b>7,076,643</b>	<b>8,943,977</b>	<b>10,336,407</b>

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Operating Transfers - In/(Out)	500,000	1,500,000	1,922,631	2,000,000	1,112,270	1,037,258	3,000,000	2,500,000	1,500,000
<b>Adjusted Fund Balance</b>	<b>9,506,570</b>	<b>7,796,298</b>	<b>6,707,928</b>	<b>8,339,182</b>	<b>8,068,126</b>	<b>8,034,963</b>	<b>10,076,643</b>	<b>11,443,977</b>	<b>11,836,407</b>

Restricted/Designated Reserve	950,657	779,630	670,793	837,667	2,310,848	2,412,708	1,927,704	2,745,408	2,445,252
<b>Unrestricted Fund Balance</b>	<b>8,555,913</b>	<b>7,016,669</b>	<b>6,037,135</b>	<b>7,501,515</b>	<b>5,757,278</b>	<b>5,622,255</b>	<b>8,148,939</b>	<b>8,698,570</b>	<b>9,391,155</b>

1. Restricted fund balance established at 10% of Adjusted Fund Balance to cover emergency program expenditures.
2. Sufficient funds (approximately 30% of annual budgeted expenditures) will be maintained in the Adjusted Fund Balance to cover cash flow needs.
3. Property Tax revenue shifted to Operating Fund to cover general benefit services.

June 2015

West County Wastewater District  
Summary of SRF Loans and Projects

The First SRF loan application consists of 3 Segments, which are classified according to the type of projects included.

**Segment 1 (CWSRF 7876-110) is Sewer Rehabilitation.** It contains two bid packages, 1 and 2. The bid packages are also referred to as “Project Bundles”.

- Bid Package 1 (#14CS206) consists of sewers that are 12” in diameter and less. The total project budget is \$1,689,000.
- Bid Package 2 (#14CS207) consists of sewers that are 15” or greater in size. The total project budget is \$1,881,000.

**Segment 2 (CWSRF 7876-120) is Lift Station Rehabilitation.** Originally, it contained three bid packages, but packages 3 and 5 were later combined into a single bid package.

- Bid Package 3 (#14LS407) consists of lift station wet well rehabilitation projects at various locations (Foster Lane, Pinole Center, Park, Sobrante, Tara Hills, and D’Avila). The total project budget is \$607,000.
- Bid Package 4 (#14LS406) consists of the Hilltop Green Lift Station improvements. The total project budget is \$1,421,000.
- Bid Package 5 (#14LS408) consists of lift station pump and control panel replacement projects at various locations (Tara Hills, Lakeside, McBryde, Carriage Hills, D’Avila). The total project budget is \$889,000.

**Segment 3 (CWSRF 7876-130) is WPCP Rehabilitation.** It contains four bid packages (6,7,8, 9).

- Bid Package 6 (#14PP501) consists of electrical improvements at the plant (replace main 12KV switchgear, MCC replacement). The total project budget is \$4,058,000.
- Bid Package 7 (#15PS601) consists of building seismic improvements and the completion of a few roof replacements at the plant. The total project budget is \$2,029,000.
- Bid Package 8 (#15PP501) consists of mechanical improvements at the plant (replace electric blower motor, replace 100 Hp VFD, also replace RAS and disinfection equipment). The total project budget is \$2,223,000.
- Bid Package 9 (#15PS602) consists of the primary clarifier improvements, which have commenced. The total project budget is \$3,667,000.

Project numbering system: the first two numbers are the year the project was opened. The next two letters correspond to: CS=collection system, LS = lift station, PP = plant process, PS=plant structure

**The Second SRF loan is for the Recycled Water Reliability Upgrades (CWSRF 8043-110).**

It will be tracked as a single bundle of projects. The District project number is 15PP503. The total project budget for Recycled Water Reliability Upgrades is \$28,155,000. These projects have a completion deadline of January 17, 2017 as part of the terms of the 1% loan drought relief program. This short project completion deadline will be the most difficult aspect of the project. Carollo has recently been hired to manage the design and construction of this project. The total cost of the Carollo proposal is not to exceed \$3,648,985.

The four primary aspects of the Recycled Water Reliability Upgrades are as follows:

- Ammonia Removal Improvements includes a new aeration basin and flow splitter. The roughing filter will be demolished and the secondary treatment will be converted to a conventional activated sludge process.
- Secondary Sedimentation Optimization includes modifications to the sedimentation basins to increase efficiency and capacity of the secondary treatment process.
- Alkalinity Feed System includes storage tanks for caustic, feed pumps, containment, and controls. This will improve the reliability of the secondary treatment process.
- Total Nitrogen Removal Improvements includes modifications to provide denitrification in the aeration basin process.

Project numbering system: the first two numbers are the year the project was opened. The next two letters correspond to: CS=collection system, LS = lift station, PP = plant process, PS=plant structure