

Suisun-Solano Water Authority  
 Five-Year Capital Improvement Program  
 FY 2010-2011 to 2014-2015

Updated  
 4/6/2011

Entry Type	Project Type and Number	Project Name	Funding Source	Project Funding (in thousands of dollars)													
				FY 2009-2010 Approved	FY 2010-2011 Requested	FY 2010-2011 Total Approved	FY 2011-2012 Forecast	FY 2012-2013 Forecast	FY 2013-2014 Forecast	FY 2014-2015 Forecast	Total						
	<b>BCC</b>	<b>Benton Court Facility Capital Projects.</b> <i>No projects</i>															
	<b>BCR</b>	<b>Benton Court Facility Rehabilitation Projects</b> <i>No projects</i>															
A	<b>CHC</b> CHC.1	<b>Cement Hill Facility Capital Projects</b> New Cement Hill Storage Tank	Capacity Fund	2,500.8	43.7	2,544.5	-	-	-	-	-	-	-	2,544.5			
N	<b>CHR</b> CHR.1	<b>Cement Hill Facility Rehabilitation Projects</b> Condition Assessment of the Cement Hill Water Treatment Plant	Replacement Reserve	-	50.9	50.9	-	-	-	-	-	-	-	50.9			
PU	CHR.2	Additional Clarifier and Replacement Filters for Cement Hill WTP No. 1 (10)	Replacement Reserve														
PU	CHR.3	Replace Remaining Pressure Filters at Cement Hill WTP No. 1 (10)	Replacement Reserve														
A	CHR.4	CHWTP Equipment Replacements	Replacement Reserve	110.4													
PU	CHR.5	CHWTP Equipment Additions	Replacement Reserve	365.0	6.4	371.4	-	-	-	-	-	-	-	371.4			
NC	CHR.6	CHWTP Pond and Site Modifications	Replacement Reserve	403.9	7.1	411.0	-	-	-	-	-	-	-	411.0			
NC	CHR.7	CHWTP New Entrance	Replacement Reserve														
N	CHR.8	Cement Hill Tank 2 Recoating Project	Replacement Reserve				433.2							433.2			433.2
	<b>CYR</b>	<b>Corporation Yard Facility Rehabilitation Projects</b> <i>No projects</i>															
	<b>DSC</b>	<b>Distribution System Capital Projects</b>															
N	DSC.1	Walters Road, Peterson Rd. to Lawler Ranch Pipeline															
PU	DSC.2	Cement Hill WTP or Railroad Ave. Emergency Intertie	Capacity Fund	-	-	-	315.8	-	-	-	-	-	-	315.8			315.8
	<b>DSR</b>	<b>Distribution System Rehabilitation Projects</b>															
N	DSR.1	Lead-Free Meters and BFP Replacements at Schools, Daycare Centers and Large Meter Services	Replacement Reserve	-	20.0	20.0	-	-	-	-	-	-	-	20.0			20.0
NC	DSR.2	Tolinas Lateral Cathodic Protection System Upgrade	Replacement Reserve	145.0	2.5	147.5	-	-	-	-	-	-	-	147.5			147.5
N	DSR.3	Existing Meter Station Modifications	Replacement Reserve	-	-	-	-	70.3	-	-	-	-	-	70.3			70.3
N	DSR.4	Benton Court Meter Station	Replacement Reserve	-	-	-	-	93.7	-	-	-	-	-	93.7			93.7
N	DSR.5	Monitoring at Meter and Pressure Reducing Stations	Replacement Reserve	-	-	-	-	-	-	-	-	-	-	-			-
PU	DSR.6	Meter Replacement Program	Replacement Reserve	-	-	-	212.6	-	-	-	-	-	-	212.6			212.6
PU	DSR.7	Bulk Dispensing Station Project	Replacement Reserve					233.9						233.9	240.9		248.1
PU	DSR.8	RadioRead Meter System Implementation	Replacement Reserve														722.9

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		<i>Pipeline Replacement Projects</i>												
		<i>No projects</i>												
		<i>Service and Street Rehabilitation Projects</i>												
		2009 Multi-Street Service Replacement Project	Replacement Reserve	600.0	-	-	-	-	-	-	-	-	-	-
		2009 Multi-Street Resurfacing Project	Replacement Reserve	545.0	-	-	-	-	-	-	-	-	-	-
	DSR.9	Chylr Way Service Replacement Project	Replacement Reserve	405.0	7.1	412.1	-	-	-	-	-	-	-	412.1
		2010 Service Replacement Project												
PU	FFTC	<b>Fairfield Treated Water Capital Projects</b>												
	FFTC.1	Fairfield Treatment Option: Meter 1 at the Gregory Hill Site												
		<i>Fairfield Treated Water Rehabilitation Projects</i>												
		<i>No projects</i>												
	FFTR	<b>Fairfield Treated Water Rehabilitation Projects</b>												
	FFTR.x	<i>No projects</i>												
		<b>General Water Supply Facilities Capital Projects</b>												
		<i>No projects</i>												
N	GWSR	<b>General Water Supply Facilities Rehabilitation Projects</b>												
	GWSR.1	SCADA Links to Pumping Plants	Replacement Reserve	-	-	-	17.7	-	-	-	-	-	-	17.7
PU	GHC	<b>Gregory Hill Facility Capital Projects</b>												
	GHC.1	New Gregory Hill Water Treatment Plant												
F	GHR	<b>Gregory Hill Facility Rehabilitation Projects</b>												
	GHR.1	Gregory Hill Tank Recoating Project												
N	PP	<b>System-Wide Planning Projects</b>												
A	PP.1	Connection Fee Studies	Capacity Fund	-	25.0	25.0	-	-	-	-	-	-	-	25.0
A	PP.2	Update Water Master Plan	Capacity Fund	72.3	-	72.3	125.0	-	-	-	-	-	-	197.3
N	PP.3	Water Treatment Options Study	Capacity Fund	-	50.0	50.0	-	-	-	-	-	-	-	50.0
	PP.4	System Storage Expansion Plan		-	100.0	100.0	-	-	-	-	-	-	-	100.0
N	RAC	<b>Railroad Ave. Facility Capital Projects</b>												
	RAC.1	New Railroad Ave. Tank and Booster Facilities	Capacity Fund	-	-	-	-	-	-	-	-	-	-	1,559.7
		New RR Ave. Tank Connection to RR Ave. Pipeline	Replacement Reserve	-	-	-	-	-	-	-	-	-	-	1,559.7
		Denverton Rd. to Existing Corp. Yard Tank Pipeline												
		Denverton Rd. to New Railroad Ave. Tank Pipeline												
F	RAR	<b>Railroad Avenue Facility Rehabilitation Projects</b>												
	RAR.x	Railroad Avenue Tank Recoating												

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NC	SCR	<b>Sports Complex Facility Rehabilitation Projects</b>	Replacement Reserve	31.0	4.0	35.0	-	-	-	-	-	35.0
F	SCR.1 SCR.2	Sports Complex Tank Inlet Valve Replacement Sports Complex Tank Recoating Project										
		Subtotal		5,178.4	316.7	4,239.7	3,478.9	4,008.9	4,300.5	3,027.3	19,055.3	

**LEGEND**

**Entry Types**

- A Amended
- F Future project outside of the timeframe of this CIP
- N New
- NC No Change
- PU Potential, Unapproved

**Funding Sources**

- Capacity Fund: accumulated development impact fees and interest on fund balances
- Replacement Reserve: accumulated depreciation equity transfers from the Operations Fund and interest on fund balances
- 1990-93 Bond Trustee Fund: accumulated transfers from the Operations Fund and interest on fund balances. Not used for the CIP.
- Operations Fund: accumulated revenues of the Authority. Not used directly for the CIP.
- Future Bond Sale: envisioned funding source for major treatment and storage upgrades needed for meeting water demand at buildout of the service area.

**Suisun-Solano Water Authority  
Capital Project Detail Report**

Project No.: **CHC.1**  
Project Title: **New Cement Hill Storage Tank**

Request Type: Amended  
Est. Completion: FY 2010-11  
Location: Adjacent to Cement Hill Tank #2 on Cement Hill above the CHWTP in Fairfield.  
Description: This project consists of the design and construction of a second tank next to the existing tank to provide additional storage, and to allow removing the existing tank from service for maintenance (e.g. recoating). A concrete tank option is being designed, and bidding is planned in the spring of 2010.

**Nature of Change:**  
 Cost Increase/Decrease     Scope Change     Timing Change     Funding Change     Source/Other

**Justification for Amendment:**  
The estimated construction cost has been adjusted for inflation, and funding for additional design costs have been added.

<b>FY 2009-2010 Adopted Plan</b>									
Funding Sources (in thousands of dollars)	Adopted FY 2009/10	FY 2010-2011	FY 2011-2012	FY 2012-2013	FY 2013-2014	FY 2014-2015	Total		
Capacity Fund	2,500.8	-	-	-	-	-	2,500.8		
Replacement Reserve	-	-	-	-	-	-	-		
Future Bond Sale	-	-	-	-	-	-	-		
<b>Total</b>	<b>2,500.8</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,500.8</b>		

<b>FY 2010-2011 Requested 5-Year Plan</b>									
Funding Sources (in thousands of dollars)	Adopted FY 2009/10	FY 2010-2011	FY 2011-2012	FY 2012-2013	FY 2013-2014	FY 2014-2015	Total		
Capacity Fund	2,500.8	43.7	-	-	-	-	2,544.5		
Replacement Reserve	-	-	-	-	-	-	-		
Future Bond Sale	-	-	-	-	-	-	-		
<b>Total</b>	<b>2,500.8</b>	<b>43.7</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,544.5</b>		

<b>Difference between the FY 2009-2010 Adopted Plan and the FY 2010-2011 Requested 5-Year Plan</b>									
Funding Sources (in thousands of dollars)	Adopted FY 2009/10	FY 2010-2011	FY 2011-2012	FY 2012-2013	FY 2013-2014	FY 2014-2015	Total		
Replacement Reserve	-	43.7	-	-	-	-	43.7		
Capacity Fund	-	-	-	-	-	-	-		
Future Bond Sale	-	-	-	-	-	-	-		
<b>Total</b>	<b>-</b>	<b>43.7</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>43.7</b>		

**Suisun-Solano Water Authority  
Capital Project Detail Report**

Project No.: **CHR.1** Project Title: **Condition Assessment of the Cement Hill Water Treatment Plant**

**Request Type:** New  
**Est. Completion:** FY 2010-11  
**Location:** Cement Hill Water Treatment Plant  
**Description:** The existing Cement Hill WTP was built in two phases in 1978 and 1993. This project will evaluate the remaining useful life of the plant's components and plan future rehabilitation projects to replace existing equipment. Typical assessments include an inventory of plant equipment, assessments of component criticality, condition and useful life, and a replacement plan and cost estimates.

**Nature of Change:**  
 Cost Increase/Decrease     Scope Change     Timing Change     Funding Change     Source/Other

**Justification for Amendment:**  
 No change - new project

<b>FY 2009-2010 Adopted Plan</b>									
Funding Sources (in thousands of dollars)	Adopted FY 2009/10	FY 2010-2011	FY 2011-2012	FY 2012-2013	FY 2013-2014	FY 2014-2015	Total		
Capacity Fund	-	-	-	-	-	-	-	-	-
Replacement Reserve	-	-	-	-	-	-	-	-	-
Future Bond Sale	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

<b>FY 2010-2011 Requested 5-Year Plan</b>									
Funding Sources (in thousands of dollars)	Adopted FY 2009/10	FY 2010-2011	FY 2011-2012	FY 2012-2013	FY 2013-2014	FY 2014-2015	Total		
Capacity Fund	-	-	-	-	-	-	-	-	-
Replacement Reserve	-	50.9	-	-	-	-	50.9	-	-
Future Bond Sale	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>-</b>	<b>50.9</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50.9</b>	<b>-</b>	<b>-</b>

<b>Difference between the FY 2009-2010 Adopted Plan and the FY 2010-2011 Requested 5-Year Plan</b>									
Funding Sources (in thousands of dollars)	Adopted FY 2009/10	FY 2010-2011	FY 2011-2012	FY 2012-2013	FY 2013-2014	FY 2014-2015	Total		
Replacement Reserve	-	-	-	-	-	-	-	-	-
Capacity Fund	-	50.9	-	-	-	-	50.9	-	-
Future Bond Sale	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>-</b>	<b>50.9</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50.9</b>	<b>-</b>	<b>-</b>

**Suisun-Solano Water Authority  
Capital Project Detail Report**

Project No.: **CHR.6**  
Project Title: **CHWTP Pond and Site Modifications**

Request Type: Amended  
Est. Completion: FY 2010-11  
Location: Cement Hill Water Treatment Plant  
Description: As development and growth of the SSWA service area continue, an additional drying pond will be required for ongoing operation and maintenance. The pond is being constructed near the northwest corner of the property. Additional modifications to the ponds are proposed, including:  

- Deepen Sludge Pond #1.
- Enlarge and deepen Sludge Pond #2.
- Expand the Wash Water Pond

Nature of Change:  
 Cost Increase/Decrease     Scope Change     Timing Change     Funding Change     Source/Other

Justification for Amendment:  
 Delay of project results in adjustment for inflation

FY 2009-2010 Adopted Plan									
Funding Sources (in thousands of dollars)	Adopted FY 2009/10	FY 2010-2011	FY 2011-2012	FY 2012-2013	FY 2013-2014	FY 2014-2015	Total		
Capacity Fund	-	-	-	-	-	-	-		
Replacement Reserve	365.0	-	-	-	-	-	365.0		
Future Bond Sale	-	-	-	-	-	-	-		
<b>Total</b>	<b>365.0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>365.0</b>		

FY 2010-2011 Requested 5-Year Plan									
Funding Sources (in thousands of dollars)	Adopted FY 2009/10	FY 2010-2011	FY 2011-2012	FY 2012-2013	FY 2013-2014	FY 2014-2015	Total		
Capacity Fund	-	-	-	-	-	-	-		
Replacement Reserve	365.0	6.4	-	-	-	-	371.4		
Future Bond Sale	-	-	-	-	-	-	-		
<b>Total</b>	<b>365.0</b>	<b>6.4</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>371.4</b>		

Difference between the FY 2009-2010 Adopted Plan and the FY 2010-2011 Requested 5-Year Plan									
Funding Sources (in thousands of dollars)	Adopted FY 2009/10	FY 2010-2011	FY 2011-2012	FY 2012-2013	FY 2013-2014	FY 2014-2015	Total		
Replacement Reserve	-	-	-	-	-	-	-		
Capacity Fund	-	6.4	-	-	-	-	6.4		
Future Bond Sale	-	-	-	-	-	-	-		
<b>Total</b>	<b>-</b>	<b>6.4</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6.4</b>		

# Suisun-Solano Water Authority Capital Project Detail Report

Project No.: **CHR.7** Project Title: **CHWTP New Entrance**

Request Type: Amended

Est. Completion: FY 2010-11

Location: Cement Hill Water Treatment Plant

Description: The site layout of the plant will be modified when Fairfield constructs the portion of Manual Campos Parkway in front of the plant. The work related to this is tentatively divided as follows:

A. Fairfield Scope of Work:

- Reshape Sludge Pond #1.
- Construct a new paved entrance to the plant, including a traffic signal.
- On-site paving to the new entrance.
- Re-grade the frontage of the plant to conform to the new roadway.
- Relocate the perimeter fence.

B. SSWA Scope of Work:

- Electric gate at new entrance.
- Additional paving within the plant
- Upgrading the perimeter fence from a chain link fence to a block wall.

The Fairfield project is expected to be constructed in late 2010 at the earliest, so the SSWA on-site portions are still future projects.

Nature of Change:

- Cost Increase/Decrease       Scope Change       Timing Change       Funding Change       Source/Other

Justification for Amendment:

Project timing is dependent on the continued delay of the Fairfield project, so schedule and cost have changed.

<b>FY 2009-2010 Adopted Plan</b>							
Funding Sources (in thousands of dollars)	Adopted FY 2009/10	FY 2010-2011	FY 2011-2012	FY 2012-2013	FY 2013-2014	FY 2014-2015	Total
Capacity Fund	-	-	-	-	-	-	-
Replacement Reserve	403.9	-	-	-	-	-	403.9
Future Bond Sale	-	-	-	-	-	-	-
<b>Total</b>	<b>403.9</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>403.9</b>

<b>FY 2010-2011 Requested 5-Year Plan</b>							
Funding Sources (in thousands of dollars)	Adopted FY 2009/10	FY 2010-2011	FY 2011-2012	FY 2012-2013	FY 2013-2014	FY 2014-2015	Total
Capacity Fund	-	-	-	-	-	-	-
Replacement Reserve	403.9	7.1	-	-	-	-	411.0
Future Bond Sale	-	-	-	-	-	-	-
<b>Total</b>	<b>403.9</b>	<b>7.1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>411.0</b>

<b>Difference between the FY 2009-2010 Adopted Plan and the FY 2010-2011 Requested 5-Year Plan</b>							
Funding Sources (in thousands of dollars)	Adopted FY 2009/10	FY 2010-2011	FY 2011-2012	FY 2012-2013	FY 2013-2014	FY 2014-2015	Total
Replacement Reserve	-	-	-	-	-	-	-
Capacity Fund	-	7.1	-	-	-	-	7.1
Future Bond Sale	-	-	-	-	-	-	-
<b>Total</b>	<b>-</b>	<b>7.1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>7.1</b>



