

TO: COMMITTEE MEMBERS
FROM: BRUCE BUEL
DATE: AUGUST 21, 2009



REVIEW SUPPLEMENTAL WATER DEVELOPMENT STATUS

ITEM

Review status of supplemental water development [Forward Recommendations to Board].

BACKGROUND – WATERLINE INTERTIE PROJECT

Mike Nunley from AECOM (Boyle Engineering) is scheduled to summarize the attached Monthly Report at the Committee Meeting. Mr. Nunley is also prepared to discuss any questions that the Committee might have regarding PG&E's Savings by Design Program.

The Wallace Group has submitted Assessment research (See Agenda Item 3).

Clayton Tuckfield has submitted the Water Financial Plan, which includes a comparison of the average cost per customer for the Waterline Intertie Project using the Assessment Approach versus the User Fee Approach (See Agenda Item 4).

Staff and AECOM are compiling permit applications. Staff has initiated the appraisal process for purchase of easements and real property. Staff expects to present the Final Agreement with the City of Santa Maria to the Board in September. Staff has submitted a letter to Supervisor Achadjian requesting that an Agenda Item be placed on a Board of Supervisors Agenda regarding County Participation in the Funding JPA.

BACKGROUND – DESALINATION

Staff is monitoring the progress of the South County Sanitation District regarding their desalination project. SCSD has yet to set a meeting to discuss their preliminary results.

RECOMMENDATION

Staff recommends that the Committee receive the staff updates and provide feedback and recommendations to the Board.

ATTACHMENT

- MONTHLY REPORT
- ASSESSMENT TIMELINE

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Memorandum

Date: August 14, 2009
To: Bruce Buel, General Manager – Nipomo Community Services District
From: Michael K. Nunley, PE
Subject: Waterline Intertie Project – Design Phase Status Report

Distribution:	Josh Reynolds, PE Cesar Romero, PE Peter Sevcik, PE Kirk Gonzalez, PE	Eileen Shields, PE Jim Froelicher Jon Hanlon, PE
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The Project Team has completed the following work items this month:

1. AECOM is working closely with Padre to complete permit applications and prepare submittals to Army Corps of Engineers and Santa Barbara County Flood Control and Water Conservation District for technical review.
2. AECOM has integrated the District staff's comments into the Draft Narrative Report and delivered 100 copies to the District on August 11th.
3. AECOM submitted the 60% design plans and specifications for Bid Package #2 – Nipomo Area Pipeline Improvements. Copies were delivered to the District, the peer reviewers, and the construction management team.
4. Draft Front-end Specifications for the Project Contract Documents were compiled and submitted to District staff and Attorney for review.
5. A draft Prequalification Package, for the Specialty Contractor Prequalification for Bid Package #1 – Santa Maria River Crossing, was compiled and submitted to the District staff and Attorney for review. AECOM met with District staff and Attorney to discuss on August 14. Comments will be integrated and a revised draft will be resubmitted.

Schedule

The Project Schedule is attached.

Budget Status

As shown on the attached Design Budget and Invoice Summary, our fee earned matches the amount expended. This indicates we are on budget as of this date.

Yours Sincerely



Michael K. Nunley, PE

Enclosures: Design Budget and Invoice Summary; Project Budget Summary; and Project Schedule

AECOM Water

Waterline Intertie Project

Opinion of Probable Project Costs from Concept Design Report (April 2009)

Table 8.1 – Opinion of Probable Project Costs

Item	Description	Budgeted Amount May 2008 Preliminary Engineering Memo.	Updated Amount 22-Apr-09 Concept Design Report
1	Mobilization	\$580,000	\$607,000
2	Blosser Extension (18-in)	\$1,247,000	\$1,129,000 -
3	Pump Station No. 1 turnout & meter (Blosser Rd)	\$61,000	\$158,000
4	River Crossing (24-in HDD & levee jack & bore)	\$6,135,000	\$5,462,500
5	24-in Pipeline to Joshua	\$656,000	\$400,000
6	Reservoir (0.5-MG)	\$1,361,000	\$1,365,000
7	Pump Station No. 2	\$603,000	\$1,572,500
8	Pressure Regulators (200 homes)	\$30,000	--
9	Pressure Reducing Valve Stations	\$18,000	\$243,000
10	Chloramination (Joshua & 5 wellheads)	\$707,000	\$739,500
11	Upgrade Southland to 12-in	\$799,500 (1)	\$849,000 (7)
12	Upgrade Frontage to 12-in	\$1,101,300 (1)	\$957,000 (7)
13	Upgrade Orchard to 12-in	\$509,000	\$1,103,500 (8)
14	Upgrade Division to 10-in between Allegre and Meridian (6)	\$53,000	--
15	Oakglen Avenue 12-in main (5)	--	\$457,000
16	Darby Lane 12-in main (5)	--	\$153,000
17	HWY 101 Bore & Jack (5)	--	\$241,000
18	Isolation Valves (5)	--	\$12,000
19	Pump Station All Weather Access Road	--	\$128,000
	Construction Subtotal	\$13,860,800	\$15,577,000
20	Contingency	\$3,643,000	\$3,115,400 (10)
	Construction Subtotal + Contingency	\$17,503,800	\$18,692,400
21	Property Allowance	<i>not included</i> (4)	\$500,000 (4)
22	Design-Phase Engineering		
	Original Agreement (July 2008)		\$744,993
	Budget Revision 1 - Pressure Reduction		\$132,798
	Budget Revision 2 - Biological Survey for HDD		\$4,050
	Budget Revision 3 - Modeling for GSW/Woodlands Turnouts		\$8,380
	Budget Revision 4 - Additional Survey Services		\$9,900
23	Office Engineering during construction		\$175,837
24	Estimated Construction Management (3)	\$2,428,000 (2)	\$1,507,170 (9)
25	Permitting Fees To Date	--	\$1,573
26	Non-Final Design Funds Spent To Date	<i>not included</i>	\$1,402,879 (11)
27	Estimated Other Costs (Assessment, etc)	<i>not included</i>	\$415,420 (11)
	PROJECT TOTAL (Rounded to 1000)	\$19,932,000	\$23,596,000

Waterline Intertie Project

Opinion of Probable Project Costs from Concept Design Report (April 2009)

Table 8.1 (continued)Table 8.1 Notes:

ENR CCI: March 2008 = 8109; March 2009 = 8534

- (1) Costs are from the December 2007 Water and Sewer Master Plan (Cannon).
- (2) Engineering and Construction Management were originally presented as a "lump sum" amount
- (3) Includes material testing, construction staking, and environmental monitoring
- (4) Estimate only. Item not included in previous construction cost opinions, but was added to the Concept Design Report to provide a complete assessment of anticipated project costs.
- (5) These work items were added to relieve high pressures on Mesa as an alternative to service pressure regulating valves (See Tech Memo 9). One PRV station at Maria Vista was required initially. Four are recommended for revised project. This was design Budget Revision #1.
- (6) Based on review of record drawings, this pipeline is already a 10-in main
- (7) Initial estimate incorporated Master Plan project costs. Revised estimate includes higher unit costs to reflect paving 1 traffic lane, per County standards
- (8) Updated unit costs include higher costs to reflect paving 1 traffic lane, per County standards
- (9) To be provided by CM team - Has not been revised to reflect additional work for construction management of Oakglen, Darby, and Orchard extensions.
- (10) Contingency was modified to 20% which is more appropriate for 30% design phase.
- (11) Provided by District staff.

not included = Item was not included in previous construction cost opinions, but was added into the Concept Design Report to provide a complete assessment of anticipated project costs.

Project Budget Summary

7/31/2009

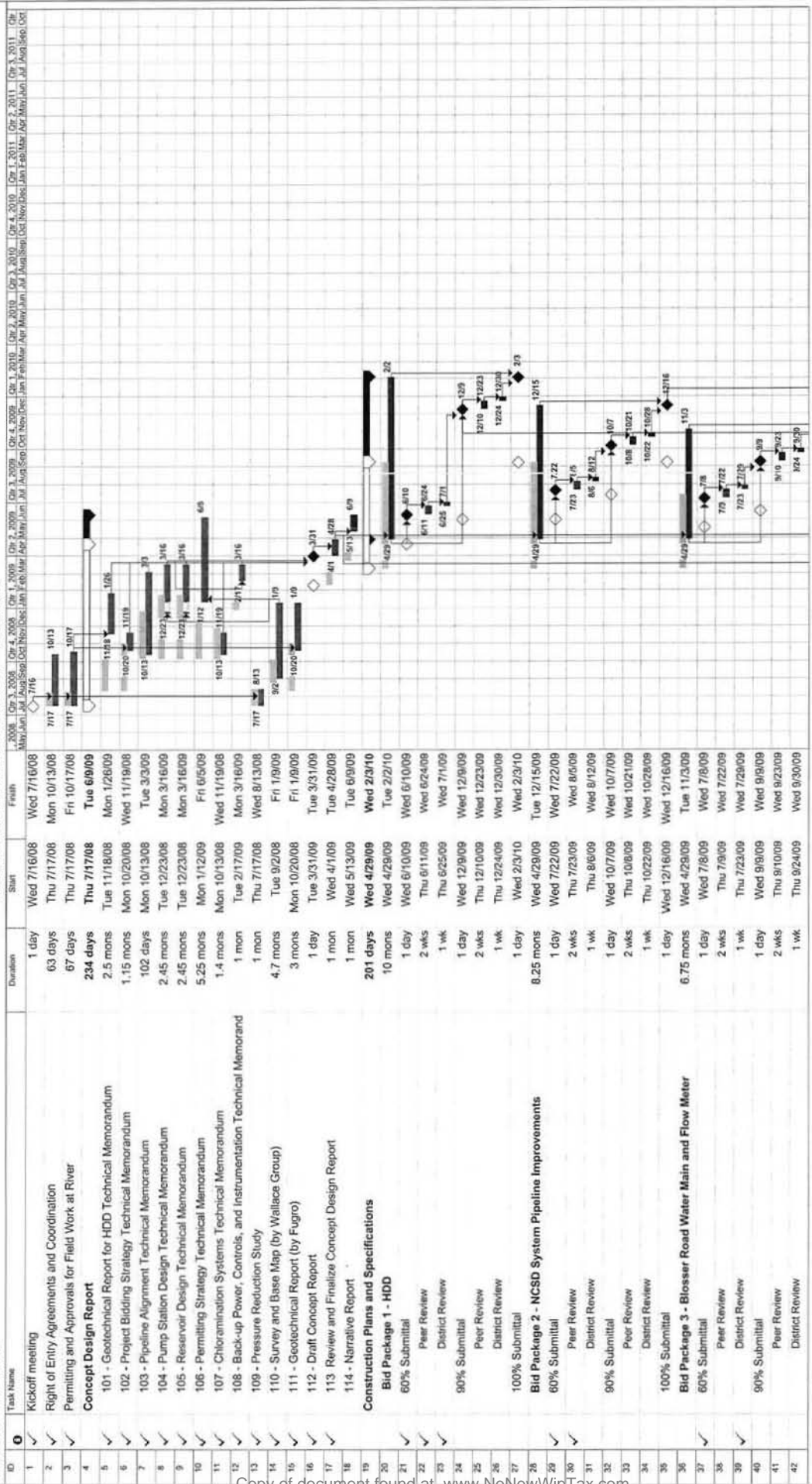
Engineering Services for NCSD - SWP Design

Nipomo CSD

	Total Budget	Amount Previously Invoiced	Current Invoice Amount	% of Budget Earned to date	% of Work Complete
Task Group 1 - Concept Design Report	\$426,361.00	\$426,361.00	\$0.00	100%	100%
Task Group 2 - Permitting	\$30,607.00	\$27,629.82	\$3,680.95	102%	102%
Task Group 3 - Construction Documents	\$350,691.00	\$264,789.20	\$45,979.75	89%	89%
Task Group 4 - Project Management	\$43,520.00	\$35,112.55	\$791.10	82%	82%
Task Group 5 - Assistance During Bids	\$48,942.00	\$0.00	\$0.00	0%	0%
Task Group 6 - Office Engineering During Construction (5 Bid Packages)	\$175,837.00	\$0.00	\$0.00	0%	0%
Total	\$1,075,958.00	\$753,892.57	\$50,451.80	75%	75%

	Amount Previously Invoiced	Current Invoice Amount	Total Permitting Fees to date
Permitting Fees	\$1,572.91	\$0.00	\$1,572.91

Adjustment of 59.42 on Task 4 due to transfer of charges from Task 4 to Task 3 in May.



Project: NCSd Design Schedule
Date: Wed 8/19/09

Task: Progress Milestone

Milestone: Milestone Baseline Milestone Summary

Rollup: Rolled Up Task, Rolled Up Milestone, Baseline Summary

Baseline: Baseline Split, External Tasks

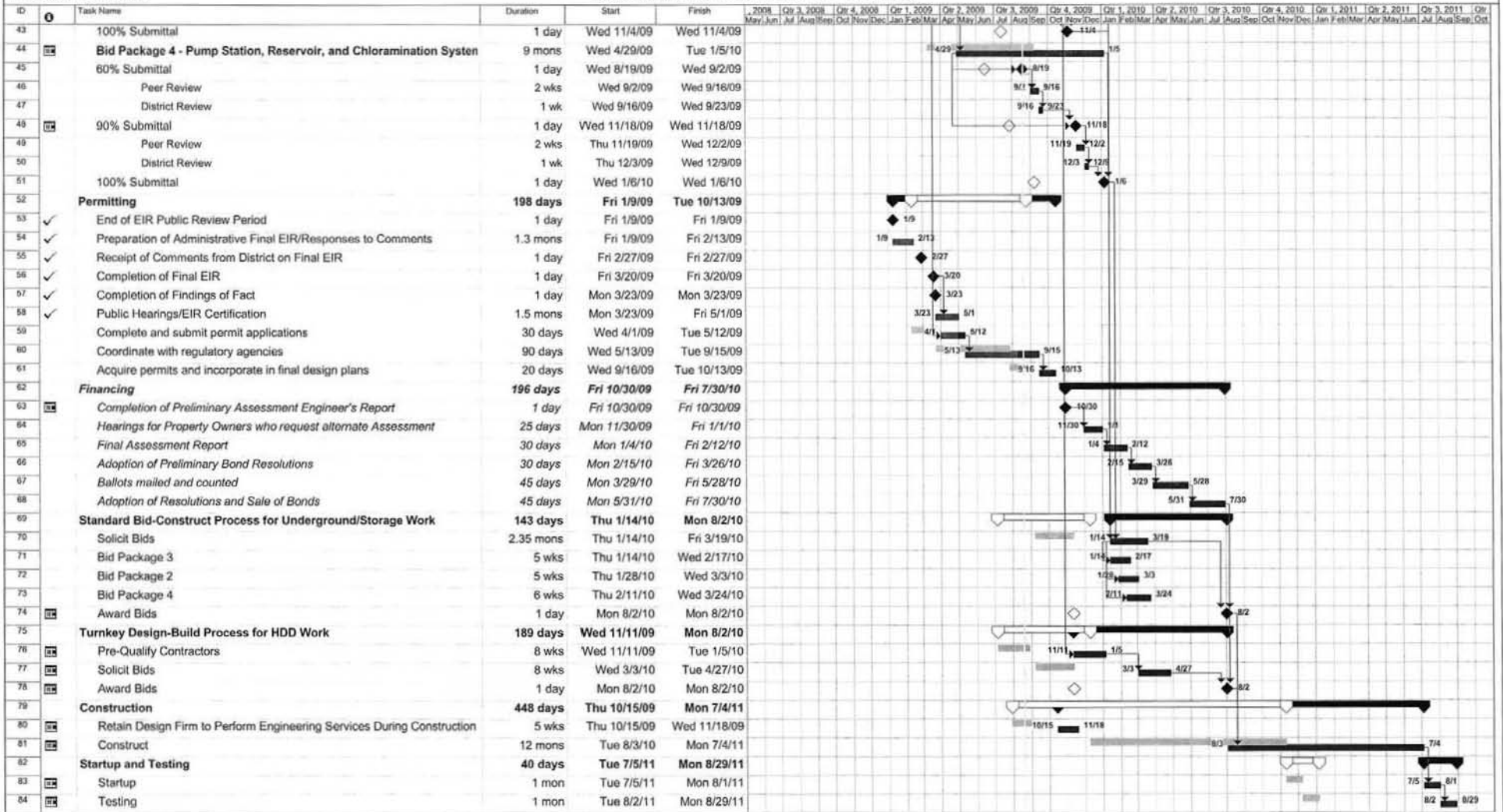
Project Summary: Group By Summary, Deadline

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AECOM

Print Date: Wed 8/19/09

NCS D WATERLINE INTERTIE PROJECT - Wed 8/19/09



Project: WIP Design Schedule Date: Wed 8/19/09	Task	Milestone	Rolled Up Task	Rolled Up Baseline	Split	Project Summary
	Progress	Baseline Milestone	Rolled Up Milestone	Rolled Up Baseline Milestone	Baseline Split	Group By Summary
	Baseline	Summary	Baseline Summary	Rolled Up Progress	External Tasks	Deadline

WIP ASSESSMENT TIMELINE

ITEM	June ETA	CURRENT ETA
Wallace Group Submits Research	Early August	RCD. 8/19/09
Board Review of Research	8/12/09	9/9/09
Notice Mailed to Property Owners	8/31/09	11/2/09
Wallace Group Submits Preliminary Engineer's Report	Mid September	Mid October
Hearings for Property Owners who request alternate Assessment	9/30 to 10/28	11/18 to 12/9
WG Submits Final Report	Mid November	Mid Feb 2010
Adoption of Preliminary Bond Resolutions (County)	December	March 2010
Ballots Mailed	early January 2010	Mid April 2010
Ballots Counted	Late February 2010	Late May 2010
Adoption of Final Bond Resolutions	March 2010	June 2010
Sale of Bonds	March 2010	July 2010
Year #1 Assessments	FY2010-2011	FY2010-2011