TO: BOARD OF DIRECTORS

21

FROM: BRUCE BUEL

DATE: SEPT. 25, 2009

WIP AND SOUTHLAND UPGRADE PROJECT UPDATE

AGENDA ITEM

C-1

SEPT. 30, 2009

ITEM

Mike Nunley of AECOM Engineering re Waterline Intertie Project Update and Southland WWTF Upgrade Project [NO ACTION REQUESTED].

BACKGROUND

Mike Nunley is scheduled to summarize the attached reports.

RECOMMENDATION

Staff recommends that your Honorable Board receive the presentations and ask questions as appropriate.

ATTACHMENTS

August Monthly Reports

T:\BOARD MATTERS\BOARD MEETINGS\BOARD LETTER\BOARD LETTER 2009\090930AECOM.DOC

AECOM 1194 Pacific Street, Suite 100 San Luis Obispo CA 93401 T 805.542.9840 F 805.542.9990 www.aecom.com

Memorandum

Date:	September 16, 2009						
To:	Bruce Buel, General Manage	Bruce Buel, General Manager – Nipomo Community Services District					
From:	Michael K. Nunley, PE	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					

The Project Team has completed the following work items this month:

- 1. AECOM submitted project plans for the levee crossing to Army Corps of Engineers and Santa Barbara County Flood Control and Water Conservation District for technical review.
- 2. AECOM submitted the 60% design plans and specifications for Bid Package #4 Joshua Road Pump Station and Reservoir, and Wellhead Chloramination Improvements. Copies were delivered to the District, the peer reviewers, and the construction management team.
- 3. Padre submitted the Jurisdictional Determination request letter to the Army Corps of Engineers, which is an official request and supporting documentation that the ACOE concur that the Waterline Intertie Project will not affect the waters or wetlands of the United States.
- Padre submitted the Streambed Alteration Agreement Application to the California Department of Fish and Game. Though the project will not be affecting the riverbed, the permit application is the appropriate avenue for approval from the Department of Fish and Game.
- 5. AECOM met with District staff and the City of Santa Maria staff to discuss the flow control valve and operations of the Waterline Intertie Project. The next step is to develop an Operations Memorandum for the project per the contract between the District and the City.

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

Mill K. Any Michael K. Nunley, PE

Enclosures:

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

Nipomo CSD

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Date Printed: 9/17/2009

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Waterline Intertie Project

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

n 8

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		<u> </u>		
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	not included (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	1	\$8,380			
	Budget Revision 4 - Additional Survey Services		\$9,900			
23	Office Engineering during construction	1	\$175,837			
24	Estimated Construction Management (3)	\$2,428,000 (2)	present of the second sec	(9)		
25	Permitting Fees To Date		\$1,573	10 A		
26	Non-Final Design Funds Spent To Date	not included	\$1,402,879	(11)		
27	Estimated Other Costs (Assessment, etc)	not included	\$415,420	(11)		
	PROJECT TOTAL (Rounded to 1000)	\$19,932,000	\$23,596,000			

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Nipomo CSD

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Date Printed: 9/17/2009

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Waterline Intertie Project

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

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		Budgeted Amo May 2008 Prelimi	inary	Updated Amount 22-Apr-09		
Item	Description	Engineering Me	mo.	Concept Design R	eport	
28	Frontage Rd Sewer Upgrade Project		(12)	\$1,239,500	(13	
28	Frontage Rd Sewer Upgrade Project Contingency		(12)	\$247,900	(13	
30	FRONTAGE RD SEWER PROJECT TOTAL (Rounded to 100		(12)	\$1,488,000	(13	
Notes	:					
	ENR CCI: March 2008 = 8109; March 2009 = 8534					
(1)	Costs are from the December 2007 Water and Sewer Master P	Plan (Cannon).				
(2)	Engineering and Construction Management were originally pre-	sented as a "lump :	sum" a	mount		
(3) (4) (5)	Includes material testing, construction staking, and environment Estimate only. Item not included in previous <u>construction</u> cost of Report to provide a complete assessment of anticipated <u>project</u> These work items were added to relieve high pressures on Mest valves (See Tech Memo 9). One PRV station at Maria Vista warevised project. This was design Budget Revision #1.	opinions, but was a <u>t</u> costs. sa as an alternative	to ser	vice pressure regulati	ing	
(6) (7)	Based on review of record drawings, this pipeline is already a 1 Initial estimate incorporated Master Plan project costs. Revised paving 1 traffic lane, per County standards		highe	r unit costs to reflect		
(8) (9)	Updated unit costs include higher costs to reflect paving 1 traffi To be provided by CM team - Has not been revised to reflect a Oakglen, Darby, and Orchard extensions.					
(10)	Contingency was modified to 20% which is more appropriate for	or 30% design phas	e.			
(11)	Provided by District staff.					
(12)	Frontage Rd Sewer Upgrades Project was not included in the F discussed in Chapter 9 of the Concept Design Report.	Preliminary Enginee	ering M	lemorandum, but is		
(13)	Frontage Rd Sewer may be constructed as part of Bid Package for from different funds than the supplemental water project.	e 2 of the Waterline	Interti	e Project, but will be p	paid	
not ind	cluded = Item was not included in previous <u>construction</u> cost opin Report to provide a complete assessment of anticipated		ed into	the Concept Design		

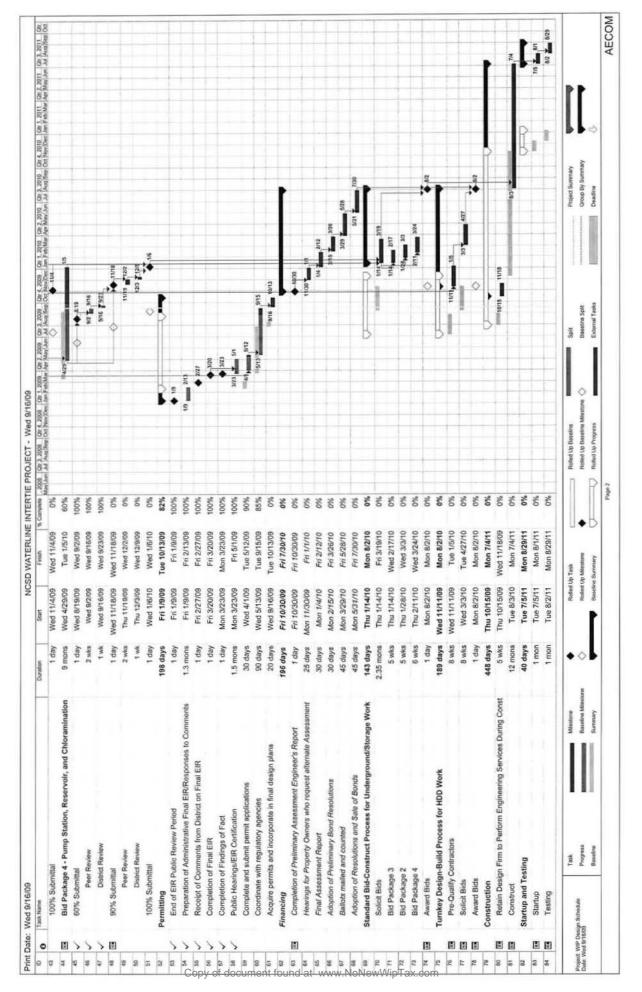
Project Budget Summary

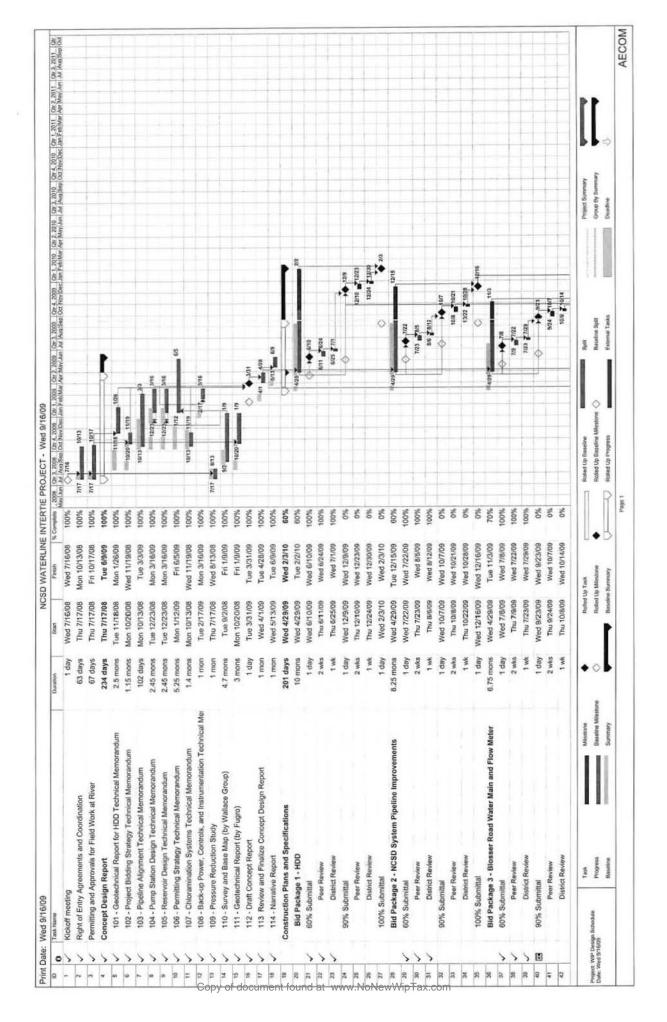
Engineering Services for NCSD - SWP Design	Nipomo CSD				0/20/2009
	Total Budget	Amount Previously Invoiced	Current Invoice Amount	% of Budget Earned to date	
Task Group 1 - Concept Design Report	\$426,361.00	\$426,361.00	\$0.00	100%	100%
Task Group 2 - Permitting	\$30,607.00	\$30,607.00	\$0.00	100%	100%
Task Group 3 - Construction Documents	\$350,691.00	\$311,472.72	\$26,171.26	96%	96%
Task Group 4 - Project Management	\$43,520.00	\$35,903.65	\$1,285.20	85%	85%
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	\$804,344.37	\$27,456.46	77%	77%
		Amount	Current	Total Desmitting	

	Amount Previously Invoiced	A CONTRACTOR OF A CONTRACTOR O	
Permitting Fees	\$1,572.91	\$0.00	\$1,572.91

8/28/2009

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AECOM

AECOM 1194 Pacific Street, Suite 100 San Luis Obispo CA 93401 T 805.542.9840 F 805.542.9990 www.aecom.com

Memorandum

Date:	September 16, 2009	
To:	Bruce Buel, General Manage	er – Nipomo Community Services District
From:	Michael K. Nunley, PE	
Subject:	Southland WWTF Upgrade F	Project – Design Phase Status Report
Distribution:	Josh Reynolds, PE Peter Sevcik, PE	Eileen Shields Jim Froelicher

The Project Team has completed the following work items this month:

Jon Hanlon, PE

- 1. GTA completed the final base map of existing topography at the WWTF.
- 2. AECOM submitted the draft site plan, including proposed surface and piping features.

Kirk Gonzalez, PE

3. Supplemental influent monitoring has continued at the plant.

Schedule

The Project Schedule is attached. The Design Phase is on schedule.

Budget Status

The Invoice Summary is attached. The Invoice Summary indicates an amount invoiced which is consistent with the work completed to date. The project cost opinion has not been updated since the January 2009 Master Plan, but the summary table is included and will be updated with the 30% design submittal.

Yours Sincerely

Midl K. Amle

Michael K. Nunley, PE

Enclosures:

Project Schedule Invoice Summary Project Budget Summary Nipomo CSD Southland WWTF Upgrades Project Budget

ltem	Description	Budgeted Amount Jan 2009 Master Plan	Updated Amount		
1	Frontage Road sewer upgrade (street to influent pump station)	\$366,000 (4)(5)	\$366,000		
2	Influent pump station upgrade	\$670,900	\$670,900		
3	Influent screening system	\$327,400	\$327,400		
4	Grit removal system	\$402,700	\$402,700		
5	Phase I Biolac system	\$3,877,500	\$3,877,500		
6	Phase I Sludge holding lagoons	\$67,700	\$67,700		
7	Phase I Sludge drying beds	\$1,160,700	\$1,160,700		
	Construction Subtotal	\$6,872,900	\$6,872,900		
8	Contingency	\$2,061,870 (6)	\$2,061,870		
9	Design-Phase Engineering	\$923,093	\$923,093		
10	Construction Management	\$1,138,777 (7)	\$1,138,777		
11	Environmental Mitigation	(8)	(8)		
12	Environmental Monitoring	(8)	- (8)		
13	Permitting Fees	- (8)	(8		
	WWTF PROJECT TOTAL (Rounded to 1000)	\$10,997,000	\$10,997,000		

13	Frontage Rd Sewer Upgrade Project (Division St to WWTF property)	 \$1,239,500 (9) (10)
14	Frontage Rd Sewer Upgrade Project Contingency	 \$247,900 (9) (10)
	FRONTAGE RD SEWER PROJECT TOTAL (Rounded to 1000)	 \$1,488,000 (9) (10)

Notes:

- (1) ENR CCI: November 2008 = 8602
- (2) Costs are from the January 2009 Southland WWTF Master Plan.
- (3) Costs are escalated by 4 % per year to anticipated midpioint of construction (2011).
- (4) The Frontage Rd Sewer Upgrade project includes the sewer main from Division St. to the influent pump station. The portion between the street and the influent pump station is currently included in the Southland WWTF Upgrades project scope of work, but may be moved to the Waterline Intertie Project for expedited construction.
- (5) The cost for this portion of Frontage Rd was estimated by prorating the cost opinion for the Frontage Road Sewer Upgrade (based on linear footage) to arrive at the 2008 Construction Cost Opinion. A 4% per year escalation was used to arrive at the 2011 midpoint of construction cost opinion.
- (6) Contingency is estimated at 30% of construction subtotal.
- (7) To be updated by CM Team, assumed to be 30% of construction subtotal minus the engineering fee.
- (8) Costs to be developed with EIR process
- (9) The Frontage Road Sewer Upgrade Project plans are being developed as part of the Waterline Intertie Project effort, but construction will be paid for using separate sewer funds, not supplemental water funds
- (10) Costs updated April 2009 in Waterline Intertie Project Concept Design Report (AECOM)

Project Budget Summary

Engineering Services for NCSD - Southland WWTF Upgrade	Nipomo CSD				3/10/2003
	Total Budget	Amount Previously Invoiced	Current Invoice Amount	% of Budget Earned to date	
Task Group 1 - Concept Design Phase	\$188,622.00	\$46,981.35	\$6,493.50	28%	28%
Task Group 2 - Construction Documents	\$478,948.00	\$0.00	\$0.00	0%	0%
Task Group 3 - Project Management	\$68,787.00	\$10,806.75	\$1,809.00	18%	18%
Task Group 4 - Assistance During Bid	\$39,539.00	\$0.00	\$0.00	0%	0%
Task Group 5 - Office Engineering Services	\$147,198.00	\$0.00	\$0.00	0%	0%
Total	\$923,094.00	\$57,788.10	\$8,302.50	7%	7%

9/16/2009

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				South	nland WWTF	Upgrade	es Design	Schedule	•						Wed 9)/16/0
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2 De	sign				0%	357 days	TCE					-0				
	Survey				100%	105 days	100% +	<u> </u>	8/19							
4	Preliminary Soils R	eport			100%	75 days	100% +	7/8								
5	Draft Site Plan	S. OLC			90%	117 days	90% +	1	9/4	1.1.1.1.1.1					-	
6	Draft Soils Report				90%	50 days		90% +	9/16							
7	Operations Plan - T	'M 1			20%	30 days		20%	9/30							
3	Final Soils Report				0%	15 days			0% + 10	/21						
	Administrative Draf	t Concept Report			0%	41 days			0% -	12/18						
	District Review				0%	10 days				% + 1/1				-		
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and the second sec	District / Peer Revie				0%	10 days				0% 1/22						
	Final Concept Repo				0%	20 days				0% 2/1	9					
		cations, and Estimates			0%	60 days				0%	5/14	1				100
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1	Notice of Award				100%	1 day	+	4/8								
2	Preparation of Publ	ic Draft EIR			0%	22.8 wks	0%	•	9/15							
3	EIR Public Review				0%	7.4 wks		0	1%+	11/16						
4	Preparation of Adm	inistrative Final EIR/Res	ponses to Comm	nents	0%	1 mon			0%	12/14						
5	Completion and Re	ceipt of Comments from	District on Final	EIR	0%	6 days			TT I	A 12/15						
6	Completion of Final	EIR			0%	2 wks				0% 1/14						
7	Completion of Find	ings of Fact			0%	11 days		1	T	0% + 1/29						
8	Public Hearings/Ell	R Certification			0%	11 days				0% - 2/2	24					
9						1.000 1010 1000										
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	Advertisement				0%	30 days						0%	9/17			
2	Bid Opening				0%	5 days						0	% 29/24			
3	Bid Review and No	tice of Award			0%	20 days			+				0% + 1	10/22		
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TO: BOARD OF DIRECTORS 1383 BRUCE BUEL

DATE: SEPT. 25, 2009

SUNDALE WELL FIRE

AGENDA ITEM

C-2

SEPT. 30, 2009

ITEM

FROM:

NCSD District Engineer Peter Sevcik re fire at Sundale Well and rebuild. [NO ACTION REQUESTED].

BACKGROUND

Peter Sevcik are scheduled to summarize the fire and subsequent efforts.

RECOMMENDATION

Staff recommends that your Honorable Board receive the presentations and ask questions as appropriate.

ATTACHMENT - NONE

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TO: BOARD OF DIRECTORS

FROM: BRUCE BUEL 133

DATE: SEPT. 25, 2009

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SUPERINTENDENT UPDATES

AGENDA ITEM

C-3

SEPT. 30, 2009

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ITEM

NCSD District Superintendent Tina Grietens re August 2009 Utility Division Activities [NO ACTION REQUESTED].

BACKGROUND

Tina Grietens is scheduled to summarize the attached outline.

RECOMMENDATION

Staff recommends that your Honorable Board receive the presentations and ask questions as appropriate.

ATTACHMENTS

August 2009 Outline

T:\BOARD MATTERS\BOARD MEETINGS\BOARD LETTER\BOARD LETTER 2009\090930Super.DOC

NIPOMO COMMUNITY

BOARD MEMBERS JAMES HARRISON, PRESIDENT LARRY VIERHEILIG, VICE PRESIDENT ED EBY, DIRECTOR MIKE WINN, DIRECTOR BILL NELSON, DIRECTOR



SERVICES DISTRICT

STAFF BRUCE BUEL, GENERAL MANAGER LISA BOGNUDA, ASSISTANT GENERAL MANAGER JON SEITZ, GENERAL COUNSEL

148 SOUTH WILSON STREET POST OFFICE BOX 326 NIPOMO, CA 93444 - 0326 (805) 929-1133 FAX (805) 929-1932 Website address: NCSD.CA.GOV

TO: BRUCE BUEL, GENERAL MANAGER

FROM: TINA GRIETENS, UTILITY SUPERINTENDENT TG

DATE: SEPTEMBER 23, 2009

SUBJECT: UTILITY DIVISION UPDATE FOR AUGUST 2009

Personnel/safety
 Minor vehicle accident-no injuries

Purchased equipment for EOC

 Southland Wastewater Plant and Utility Yard Setup of EOC Facility continuing, researched existing radio frequency Biosolids removal and disposal project ongoing Assisted Aecom with data collection for expansion Facilitated tour of WWTP for EcoStar USA, responding to inquiries Repaired 2 aerators

Clean up of Utility yard

- Collection system inspecting manholes for future repair
- Distribution System

Facilitated repairs at Sundale well Worked with District Engineer regarding fire investigation at Sundale well Adjusted operational parameters due to loss of Sundale water Two water leaks repaired in town (Dana and E. Branch St.)

• Maintenance

Air-vacs replaced, hydrant painting, numbering, blue reflectors placed for hydrant location Preventive maintenance plan implementation continues, updating forms, creating database Valve exercising, angle meter stop replacement

Compliance

Monitored laboratory results, prepared compliance reports for WWTPs, water system

• Other

Working on proposals for budget items, met with vendors, received quotes Attended Disinfection Byproduct Training 8/19 Utility Crew member attended Underground Service alert training 8/19 TO: BOARD OF DIRECTORS

FROM: BRUCE BUEL BSB

DATE: SEPT. 25, 2009

MONTHLY WATER CONSERVATION COORDINATOR UPDATE

G1 (4)

AGENDA ITEM

C-4

SEPT. 30, 2009

ITEM

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NCSD District WCC Celeste Whitlow re August 2009 Outreach Activities [NO ACTION REQUESTED].

BACKGROUND

Celeste Whitlow is scheduled to summarize the attached outline.

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RECOMMENDATION

Staff recommends that your Honorable Board receive the presentations and ask questions as appropriate.

ATTACHMENTS

District August 2009 Outreach Activities Outline

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NIPOMO COMMUNITY SERVICES DISTRICT

148 SOUTH WILSON STREET POST OFFICE BOX 326 NIPOMO, CA 93444 - 0326 (805) 929-1133 FAX (805) 929-1932 Web site address www.ncsd.com

MEMORANDUM

TO: BRUCE BUEL, GENERAL MANAGER

FROM: CELESTE WHITLOW, WATER CONSERVATION COORDINATOR

DATE: SEPTEMBER 30, 2009

RE: ITEM – C1: WATER CONSERVATION ACTIVITIES UPDATE

Newsletters, Mailings, Advertising

- Monthly billing inserts.
- Design, printing and submission of ad materials for events and Water Conservation Program.
- Weekly water conservation Adobe Press ads.
- Updated website.
- Letters to LMD-1 homeowners regarding water consumption reduction since installation of the WeatherTrak smart irrigation controller.

WC Program Implementation

- Smart Rebate for High-Efficiency Clothes Washer Rebate Program.
- Newsletters, mailings, advertising.
- Water Audit Program, residential.
- · Water audits for selected homeowner's associations.
- Design of turf-replacement program.
- Research on weather-based irrigation controllers.
- Monitoring of LMD-1 landscape, tracking water use on a weekly basis, and cumulatively. (See attachment)
- LMD-1 water audit findings.

District Landscape

- Awaiting GLM Landscaping to apply mulch on District landscape.
- Discussion with GLM Landscaping regarding irrigation situation.
- Myoporum hedge.
- Vandalism.

Other

Vista Verde water savings.

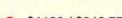
ATTACHMENT:

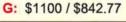
"LMD-1 Water Consumption Pre- and Post-WeatherTrak Irrigation Controller Installation."

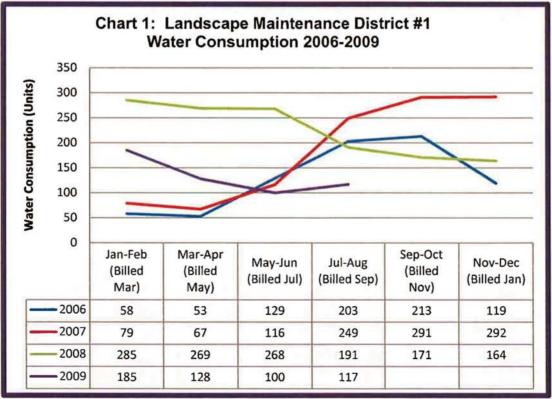
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LMD-1 Water Consumption Pre- and Post-Installation of WeatherTrak Controller											
	Α	В	C	D	E	F	G				
	ETo Total Mar-Aug	H₂O Consm. Total(Units) Mar-Aug	Expctd H ₂ O (Units) Cnsm 2009	H ₂ O Units Saved Since WT Installed	H₂O Gallons Saved Since WT Installed	\$\$\$ Saved Since WT Intalled	Years to Pay for Controller				
2008	29.05	728									
2009	27.01	345	786.24	441.24	321,223	\$842.77	1.3				

Ratio of ET 2008:2009 1.08 % H₂O sav. Of Expctd 56% %H₂O used of Expected 44% Unit: Billing unit for water (748 gallons)
ETo: Evapotranspiration (in inches of water)
A: Total of ETo (in inches) for time period.
B: Total water consumption (in units) for time period
C: What water consumption would have been if WeatherTrak had not been installed, and no other intervention had been performed. 728 (Consumption in 2008) x 1.08 (ETo ratio)
D: 786.24 units (expected) -- 345 units (actual usage)
E: 441.24 x 748
F: 441.24 x \$1.91







Copy of document found at www.NoNewWipTax.com