


TO: BOARD OF DIRECTORS  
FROM: DON SPAGNOLO  
GENERAL MANAGER   
DATE: NOVEMBER 2, 2010

**AGENDA ITEM  
E-2  
NOVEMBER 10, 2010**

**AECOM CONTRACT AMENDMENT FOR THE  
WATERLINE INTERTIE PROJECT DESIGN**

**ITEM**

Consider AECOM contract amendment no. 10 for the Waterline Intertie Project in the amount of \$40,284 for additional services required to complete the design [RECOMMEND APPROVAL].

**BACKGROUND**

AECOM has completed the 90% design drawings for Bid Packages 2, 3, and 4 and has identified additional design tasks that need to be performed to complete the final design of the project that are beyond the original scope of services. The tasks include:

1. Utility Conduits to Pump Station	\$18,794
2. SCADA Radio Survey	\$ 4599
3. Via Concha Well Modifications	\$ 8156
4. WIP Operations and Maintenance Cost Opinion	\$ 8735
<b>Total</b>	<b>\$40,284</b>

Construction costs related to the additional design tasks have been incorporated into the 90% construction cost estimate for the project that was distributed to the Board in October 2010.

In addition, AECOM developed an optional scope of work, with a cost of \$26,222, to design solar power facilities that could be incorporated into the project. Construction costs related to solar power facilities for the project would be developed as part of the design of the facilities.

The Supplemental Water Project Design and Construction Committee reviewed the proposed contract amendment on November 1, 2010 and recommended that the Board approve the contract amendment without the solar design component.

**FISCAL IMPACT**

AECOM has billed the District for \$1,133,001.25 for design services for the project. Execution of the proposed amendment would increase the not-to-exceed expenditure limit from \$1,367,382 to \$1,407,666. With the proposed amendment, the remaining contract amount to be billed will be \$274,665. The FY 10-11 Budget includes \$500,000 in Supplemental Water Fund (Fund #500) for design services.

**RECOMMENDATION**

Staff recommends the Board authorize the General Manager to execute an amendment in the amount of \$40,284 to the existing WIP Final Design Agreement.

**ATTACHMENTS**

AECOM Budget Revision Request #10 Dated October 28, 2010

October 28, 2010

Mr. Don Spagnolo, PE  
General Manager  
Nipomo Community Services District  
148 S. Wilson  
Nipomo, CA 93444

Dear Mr. Spagnolo,

**Subject: Scope Amendment #10**

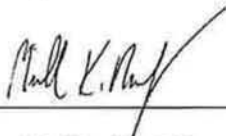
As requested, we are submitting this scope amendment for additional design items associated with the Waterline Intertie Project. The Waterline Intertie Project, currently under design, will allow NCSD to transport and deliver supplemental water from the City of Santa Maria to the Nipomo Mesa. During the design, AECOM and District staff identified the need for additional work not covered under the original scope. This work consists of five components detailed in the attached pages and summarized in the following table.

Number	Description	Budget
10A	Conduits to pump station	\$18,794
10B	O&M cost estimate	\$ 8,735
10C	Solar design for PS lighting & PRV stations	\$26,222
10D	Radio survey	\$ 4,599
10E	Via Concha modifications	\$ 8,156
<b>Total Budget</b>		<b>\$66,506</b>

The provided deliverable schedules are based on estimated time to complete the work from the notice-to-proceed (NTP) date and assume staggered NTPs. AECOM will work with District staff to determine the overall schedule for the work described herein. NTPs may be staggered over several months depending on priority and impact to overall project schedule.

Please feel free to contact me if you have any questions or comments. We look forward to continuing work on the Waterline Intertie Project and assisting the District as the project is seen to completion.

Sincerely,

Michael K. Nunley, PE  
Project ManagerJon Hanlon, PE  
Managing Engineer

Enclosures: Scope Amendments #10A, #10B, #10C, #10D, and #10E; Fee Schedule



AECOM  
1194 Pacific Street  
Suite 204  
San Luis Obispo CA 93401  
www.aecom.com

805 542 9840 tel  
805 542 9990 fax

October 28, 2010

Mr. Don Spagnolo, PE  
General Manager  
Nipomo Community Services District  
148 S. Wilson  
Nipomo, CA 93444

Dear Mr. Spagnolo,

**Subject: Scope Amendment #10A – Conduits to Pump Station Site**

As requested, we are submitting this scope amendment for design of a conduit bank in association with the Waterline Intertie Project. The Waterline Intertie Project, currently under design, will allow NCSD to transport and deliver supplemental water from the City of Santa Maria to the Nipomo Mesa. As part of the transmission infrastructure, a pump station and reservoir will be constructed on the Mesa near the intersection of Joshua Road and Orchard Road.

Electrical and telephone lines will be required for power and communications at the site. Design of a conduit bank was not included in the original scope of work, because several sites were still under consideration for the pump station and reservoir. This work proposes the design of a conduit bank, approximately 1800 linear feet long, to carry electrical, telephone, and potentially spare conduits to the pump station site. The conduit bank will be prepared in accordance with PG&E and AT&T standard requirements. Construction documents will be prepared for addition to Bid Package #4, Joshua Road Pump Station and Reservoir, and Wellhead Chloramination Improvements (BP4), of the Waterline Intertie Project, which is currently at the 90% design level.

**Task Group 1 – Construction Documents**

AECOM will prepare bid documents in the District's standard format, including contract documents and technical specifications. It is assumed that construction will occur with BP4 of the NCSD Waterline Intertie Project, and therefore share common technical specifications and upfront documents. The conduit bank design is anticipated to require six (6) plan sheets, not including the title and notes sheets.

Plans, technical specifications, and an opinion of probable construction cost will be submitted at the 60-percent level with a letter summarizing design considerations. Subsequent revisions of the plans and specifications will be provided as part of the Waterline Intertie Project BP4 design submittals.



Budget

Our fee and charges will be invoiced on a time and materials basis, with a budget not to exceed \$18,794, as detailed in the attached table, unless additional authorization is requested in writing. The current fee schedule, attached, was used to develop this budget.

Schedule

Sixty percent plans and technical specifications unique to the conduit bank work will be provided within six (6) weeks of Notice To Proceed. After comments are received, a draft final submittal will be provided with Bid Package #4.

Please feel free to contact me if you have any questions or comments. We look forward to continuing work on the Waterline Intertie Project and assisting the District as the project is seen to completion.

Sincerely,

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Michael K. Nunley, PE  
Project Manager

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Jon Hanlon, PE  
Managing Engineer

Enclosures: Budget #10A

## Project Budget

**Nipomo Waterline Intertie Project  
Budget for Scope Amendment #10A - Conduits to Pump Station**

**Nipomo Community Services District**

Task Description	Personnel Hours					Budget		
	Principal	Senior Engineer II	Senior CADD Operator	Admin	Total Hours	Labor	Non-Labor Fee	Total
<b>Task Group 1 - Construction Documents</b>								
60% Plans, Specifications, and Opinion of Probable Cost	9	34	20	6	69	\$ 9,772	\$ 782	\$ 10,554
Draft Final Plans and Specifications (with Bid Package #4)	6	18	10		34	\$ 5,130	\$ 410	\$ 5,540
Final Plans and Specifications (with Bid Package #4)	4	8	4		16	\$ 2,500	\$ 200	\$ 2,700
<b>Subtotal</b>	<b>19</b>	<b>60</b>	<b>34</b>	<b>6</b>	<b>119</b>	<b>\$ 17,402</b>	<b>\$ 1,392</b>	<b>\$ 18,794</b>
<b>Total</b>	<b>19</b>	<b>60</b>	<b>34</b>	<b>6</b>	<b>119</b>	<b>\$ 17,402</b>	<b>\$ 1,392</b>	<b>\$ 18,794</b>

<u>Personnel Category</u>	<u>\$/HR</u>
Principal	\$200.00
Senior Engineer II	\$160.00
Senior CADD Operator	\$105.00
Admin	\$72.00



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October 28, 2010

Mr. Don Spagnolo, PE  
General Manager  
Nipomo Community Services District  
148 S. Wilson  
Nipomo, CA 93444

**Subject: Scope Amendment #10D - Radio Survey for Waterline Intertie Project**

In conjunction with the design of the Waterline Intertie Project's proposed pressure reducing valve (PRV) stations, which will require new radio links with the District's SCADA system, a radio survey is required. The scope of work did not include performing a radio study; at the time of the original project proposal it wasn't feasible to project the number of sites and/or locations required to prepare a radio survey budget.

AECOM proposes to prepare exhibits and specifications for use by our subconsultant, Applied Technology Group, in preparation of a field radio site survey for nine (9) sites, and to be in the field with ATG during the performance of the radio site survey. The sites to be surveyed are:

1. Southland Street PRV Station
2. Frontage Road PRV Station
3. Oakglen Road PRV Station
4. Santa Maria Vista PRV Station
5. Orchard Road PRV Station
6. Joshua Road Pump Station Site
7. Blosser Road FCV Site
8. Golden State Water Company Turnout Site
9. Woodland Mutual Water Company Turnout Site

Our proposed budget for this work is \$4,599 per the attached project budget worksheet and the ATG proposal. Results of the radio study will be provided within four (4) weeks from notice-to-proceed.

Thank you for allowing AECOM to submit this proposal for additional services. If you have any questions or comments, please call to discuss. We look forward to starting work at your earliest convenience.



Sincerely,

A handwritten signature in black ink, appearing to read 'Michael K. Nunley', written over a horizontal line.

Michael K. Nunley, PE  
Project Manager

A handwritten signature in black ink, appearing to read 'Jon Hanlon', written over a horizontal line.

Jon Hanlon, PE  
Managing Engineer

Enclosures: Budget #10D, ATG Proposal

## Project Budget

**Nipomo Waterline Intertie Project  
Budget for Scope Amendment #10D - Radio Survey**

**Nipomo CSD**

Task Description	Personnel Hou		Budget				
	Senior IE	Total Hours	Labor	Non-Labor Fee	Subconsultant	Total Non-Labor	Total
<b>Task Group 1</b>							
Radio Survey (9 sites)	16	16	\$ 2,800	\$ 224	\$ 1,575	\$ 1,799	\$ 4,599
		-	\$ -			\$ -	\$ -
		-	\$ -			\$ -	\$ -
		-	\$ -			\$ -	\$ -
		-	\$ -			\$ -	\$ -
<b>Subtotal</b>	<b>16</b>	<b>16</b>	<b>\$ 2,800</b>	<b>\$ 224</b>	<b>\$ 1,575</b>	<b>\$ 1,799</b>	<b>\$ 4,599</b>
<b>Total</b>	<b>16</b>	<b>16</b>	<b>\$ 2,800</b>	<b>\$ 224</b>	<b>\$ 1,575</b>	<b>\$ 1,799</b>	<b>\$ 4,599</b>

Personnel Category      \$/HR  
 Senior IE                      \$175.00





**APPLIED TECHNOLOGY GROUP, INC.**  
**SPECIALIZED COMMUNICATIONS SERVICES**

4440 Easton Drive  
 Bakersfield, CA 93309  
 661-322-8650  
 661-322-4060 Fax  
 License: 891598  
[www.atginternet.com](http://www.atginternet.com)

**AECOM**  
 6345 Balboa Blvd., Suite 312  
 Encino, CA 91316  
 Efrem Sorkin  
[efrem.sorkin@aecom.com](mailto:efrem.sorkin@aecom.com)  
 818-705-8307 x104  
 818-705-8504

Acct # 1387  
 Project Name:  
 REV 2 - Nipomo Ethernet Radio Survey

*Proposal*

*Proprietary Information Do Not Duplicate or Redistribute*

Prepared By: Chuck Hoyt 5/13/2010

Line	Qty	Make	Model	Description	Each	Line Total
1				Revision 2 : added 2 more sites		
2				iNET Radio Site Survey		
3				9 Sites to Existing Access Point Site		
4						
5				1 Survey Van with 40ft Mast		
6				1 Tech		
7						
8				Report to Follow		
9						
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Proposal Valid for 30 days:  
 Prepared by: Chuck Hoyt

**Total Parts**

Tax	Enter Tax Rate
Labor	\$900.00
Truck & Travel	\$531.50
Shipping & Handling	FOB Dest. Prepay & Add.
<b>Grand Total</b>	<b>\$1,431.50</b>

Fax copy to: 661-322-4060

Accepted By:	
PO#:	Date:



AECOM  
1194 Pacific Street  
Suite 204  
San Luis Obispo CA 93401  
www.aecom.com

805 542 9840 tel  
805 542 9990 fax

October 28, 2010

Mr. Don Spagnolo, PE  
General Manager  
Nipomo Community Services District  
148 S. Wilson  
Nipomo, CA 93444

Dear Mr. Spagnolo,

**Subject: Scope Amendment #10E – Via Concha well site modifications for new easement**

As requested, we are submitting this scope amendment to modify the design of the proposed Via Concha Well chloramination facilities in association with the Waterline Intertie Project. Bid Package #4, of the Waterline Intertie Project, is 90% complete and includes design of chloramination facilities at the Via Concha well. The existing well site sits on a 25-foot by 50-foot easement. AECOM and District staff have discussed the size restrictions and concluded that additional easement is recommended for the proposed chloramination facilities. Recent well pump repair work further supported this conclusion, as the District was not able to work within the existing bounds of the easement and sought permission from the property owner for additional area for temporary laydown.

The District is working towards negotiating a larger easement for the well site. With a larger site, the proposed chloramination facilities should be relocated to allow effective access. The additional land will also allow avoidance of relocating existing piping, which is currently required to fit the facilities in the existing easement. This scope amendment addresses the tasks required to modify the current design for the proposed facilities at the Via Concha well site to consider the larger easement.

Task Group 1 – Land Surveying

Task 101. Topographical survey – The project topographical base map does not include surface features or ground elevations beyond the boundaries of the existing easement. AECOM's subconsultant, Wallace Group, will perform land surveying of the additional easement area required for relocation of the proposed facilities.

Task 102. Legal description – Wallace Group will prepare a legal description and exhibit for the easement deed document (prepared by others).

Task Group 2 – Construction Documents

Task 201. Revised 90% plans – AECOM will provide District staff with revised plans for the changes at Via Concha well site (Sheets WC-105 through WC-107). Related structural, electrical, and instrumentation sheets will be revised as needed. It is assumed that existing details for the facilities

will remain the same (Sheet WC-108) and that the draft specifications will not require revisions related to this work. Comments from District staff on the plan sheets will be incorporated and subsequent revisions of the plans will be provided as part of the Bid Package #4 (Joshua Road Pump Station and Reservoir, and Wellhead Chloramination Improvements) design submittals.

## Budget

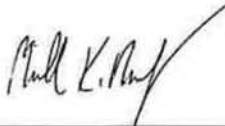
Our fee and charges will be invoiced on a time and materials basis, with a budget not to exceed \$8,156 as detailed above and in the attached table, unless additional authorization is requested in writing. The current fee schedule, attached, was used as the basis for this budget. The scope amendment from Wallace Group is also attached for your reference.

## Schedule

The topographic survey will be scheduled within 1 week of Notice To Proceed. Revised 90% plansheets related to the Via Concha Well site will be provided for District review within eight (8) weeks of Notice To Proceed. Subsequent revisions will be provided with Bid Package #4 design submittals.

Please feel free to contact me if you have any questions or comments. We look forward to continuing work on the Waterline Intertie Project and assisting the District as the project is seen to completion.

Sincerely,



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Michael K. Nunley, PE  
Project Manager



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Jon Hanlon, PE  
Managing Engineer

Enclosures: Budget #10E, Wallace Group proposal

**Project Budget Revision**

**Waterline Intertie Project  
Budget for Scope Amendment #10E  
Via Concha Well Site Modifications**

**Nipomo Community Services District**

Task Description	Personnel Hours					Budget			
	Principal	Managing Engineer	Associate Engineer	Senior CADD Operator	Total Hours	Labor	Subconsultants	Non-Labor Fee	Total
<b>Task Group 1 - Land Surveying</b>									
Tasks 101 & 102 - Survey & Legal Description		1	2	4	7	\$ 845	\$ 3,377	\$ 68	\$ 3,445
<b>Subtotal</b>	-	1	2	4	7	\$ 845	\$ 3,377	\$ 68	\$ 3,445
<b>Task Group 2 - Construction Documents</b>									
Task 201 - Revised 90% plansheets for Via Concha	1	4	8	16	29	\$ 3,580		\$ 286	\$ 3,866
<b>Subtotal</b>	1	4	8	16	29	\$ 3,580	\$ -	\$ 286	\$ 3,866
<b>Total</b>	1	5	10	20	36	\$ 4,425	\$ 3,377	\$ 354	\$ 8,156

<u>Personnel Category</u>	<u>\$/HR</u>
Principal	\$200.00
Managing Engineer	\$175.00
Associate Engineer	\$125.00
Senior CADD Operator	\$105.00

**CONTRACT AMENDMENT**



CIVIL ENGINEERING  
 CONSTRUCTION MANAGEMENT  
 LANDSCAPE ARCHITECTURE  
 MECHANICAL ENGINEERING  
 PLANNING  
 PUBLIC WORKS ADMINISTRATION  
 SURVEYING / GIS SOLUTIONS  
 WATER RESOURCES  
 WALLACE SWANSON INTERNATIONAL

<b>Project Name:</b> Nipomo Intertie Line	<b>CA No.</b> 16
<b>Client Name:</b> AECOM	<b>Project/Phase No.</b> 0532-0024/200
<b>Attention:</b> Eileen Shields, PE	<b>Date:</b> August 16, 2010
<b>Address:</b> 1194 Pacific Street, Suite 204, San Luis Obispo, California 93401	

Wallace Group requests the Client's authorization to proceed with revisions to the contract agreement for the above referenced project as herein described. Approval below incorporates this document as a part of the original contract August 4, 2008. If approved, please return one signed original Contract Amendment to Wallace Group.

**Description and Purpose of the Revision(s)**

1. Field survey for additional Topographic Map slightly beyond Via Concha well site.
2. Revise Topographic Map previously prepared.
3. Prepare Legal Description and Exhibit to be inserted into Easement Deed document by others.

**Note:** Does not include any Preliminary Title report Review or plotting of existing easements.

**Revision(s) Represent:**

- a change in previous instructions
- a change in scope of services
- other:

**Revision(s) Fee:**

- hourly (time & materials)
- progress billing: \$
- not-to-exceed w/o authorization: \$3,070

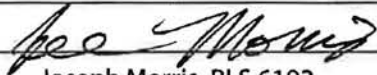
**Revision(s) will be invoiced as:**

- increase to an item within the existing contract
- a new item added to existing contract

**Issued by,**

Wallace Group, a California Corporation

**Approved by Client**

<b>Signature:</b> 	<b>Signature:</b>
<b>Print Name:</b> Joseph Morris, PLS 6192	<b>Print Name:</b>
<b>Title:</b> Director of Surveying	<b>Title:</b>
<b>Date:</b> August 16, 2010	<b>Date:</b>

WALLACE GROUP  
 A California Corporation  
 612 CLARION CT  
 SAN LUIS OBISPO  
 CALIFORNIA 93401  
 T 805 544-4011  
 F 805 544-4294

[www.wallacegroup.us](http://www.wallacegroup.us)

October 28, 2010

Mr. Don Spagnolo  
General Manager  
Nipomo Community Services District  
148 S. Wilson  
Nipomo, CA 93444

Dear Mr. Spagnolo,

**Subject: Scope Amendment #10B – WIP Operations and Maintenance Cost Opinion**

We are submitting this scope amendment for services in association with the Waterline Intertie Project. We understand that the District desires an engineer's opinion of operations, maintenance, and replacement cost for the Project. The services described below are based on conversations with the District Engineer. This proposal represents the effort required to provide the District with a budgetary value for planning purposes based on the 90% and draft final plans submitted thus far. The operating and maintenance cost opinion should be revised after the project Operations and Maintenance Plan is completed. Budget details are provided in the attached table.

**Task 101 – Project Inventory**

Project components will be compiled and organized into a table for estimating operations and maintenance cost, including pipelines, pumps, reservoir, consumables (such as electricity and chemicals), and labor. The table will include details such as length, number, type, electrical and chemical usage, and labor requirements. In addition, AECOM will provide an estimated design life for major equipment items requiring rehabilitation or replacement, such as valves, pumps, and other mechanical items.

**Task 102 – Data collection**

AECOM will contact vendors and PG&E to collect up-to-date electrical and chemical unit costs, and work with NCS staff to estimate labor time and labor unit costs.

**Task 103 – Technical Memorandum**

The information will be organized and presented in a memorandum, which will summarize assumptions, describe the methods used for estimating costs, and include an itemized table of operation and maintenance costs per project component. AECOM will provide a draft technical memorandum for the District's review. After comments are received and incorporated, a final submittal will be provided.

## Budget

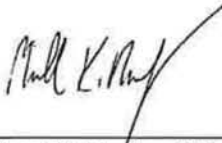
Our fee and charges will be invoiced on a time and materials basis, with a budget not to exceed \$8,735, as detailed above and in the attached table, unless additional authorization is requested in writing. The current fee schedule, attached, was used as a basis for this budget.

## Schedule

A draft technical memorandum will be delivered for NCSD staff review within four (4) weeks of notice-to-proceed. The memorandum will be finalized within two (2) weeks after District comments are received.

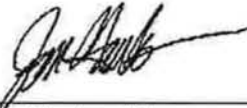
Please feel free to contact me if you have any questions or comments. We look forward to continuing work on the Waterline Intertie Project and assisting the District as the project is seen to completion.

Sincerely,



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Michael K. Nunley, PE  
Project Manager



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Jon Hanlon, PE  
Managing Engineer

Enclosures: Budget #10B

## Project Budget Revision

**Waterline Intertie Project  
Budget for Scope Amendment #10B  
Estimate of Probable Operating and Maintenance Costs**

**Nipomo Community Services District**

Task Description	Personnel Hours					Budget		
	Principal	Senior Engineer II	Associate Engineer	Administrative	Total Hours	Labor	Non-Labor Fee	Total
<b>Task Group 1</b>								
101 - Project Inventory		6	14		20	\$ 2,710	\$ 217	\$ 2,927
102 - Data Collection			8		8	\$ 1,000	\$ 80	\$ 1,080
103 - Technical Memorandum	6	4	18	4	32	\$ 4,378	\$ 350	\$ 4,728
<b>Subtotal</b>	<b>6</b>	<b>10</b>	<b>40</b>	<b>4</b>	<b>60</b>	<b>\$ 8,088</b>	<b>\$ 647</b>	<b>\$ 8,735</b>
<b>Total</b>	<b>6</b>	<b>10</b>	<b>40</b>	<b>4</b>	<b>60</b>	<b>\$ 8,088</b>	<b>\$ 647</b>	<b>\$ 8,735</b>

<u>Personnel Category</u>	<u>\$/HR</u>
Principal	\$200.00
Senior Engineer II	\$160.00
Associate Engineer	\$125.00
Administrative	\$72.00





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October 28, 2010

Mr. Don Spagnolo, PE  
General Manager  
Nipomo Community Services District  
148 S. Wilson  
Nipomo, CA 93444

Dear Mr. Spagnolo,

**Subject: Scope Amendment #10C – Solar power design for pump station site lighting and SCADA at PRV stations**

As requested, we are submitting this scope amendment to incorporate design of photovoltaic (PV) systems for two elements of the Waterline Intertie Project. District staff have identified two project components that are feasible for solar power: 1) lighting at the pump station / reservoir site, and 2) electrical instrumentation at the pressure reducing valve (PRV) stations.

Task Group 1 – Construction Documents for Solar Power for Pump Station Lighting

AECOM will amend the existing design to include a PV system for lighting at the pump station/reservoir site. AECOM will prepare bid documents in the District's standard format, including contract documents and technical specifications. It is assumed that construction will occur with Bid Package #4, Joshua Road Pump Station and Reservoir, and Wellhead Chloramination Improvements (BP4) and therefore share common technical specifications and upfront documents. The photovoltaic assembly design is anticipated to require three (3) plan sheets, not including the title and notes sheets.

Plans, technical specifications, and an opinion of probable construction cost for the PV system will be submitted at the 60-percent level with a letter summarizing design considerations, as required. Construction documents will be prepared for addition to BP4, which is currently at the 90% design level. Subsequent revisions of the plans and specifications will be provided as part of the BP4 design submittals.

Task Group 2 – Construction Documents for Solar Power at PRV Stations

AECOM will amend the existing design to include a PV system at each of the five PRV stations (four in Bid Package #2, and one in Bid Package #4). AECOM will prepare bid documents in the District's standard format, including contract documents and technical specifications. It is assumed that construction will occur with Bid Package #2, Nipomo Area Pipeline Improvements (BP2) and BP4, and therefore share common technical specifications and upfront documents. The photovoltaic assembly design is anticipated to require three (3) plan sheets, not including the title and notes sheets.



Plans, technical specifications, and an opinion of probable construction cost for the PV systems will be submitted at the 60-percent level with a letter summarizing design considerations, as required. Construction documents will be prepared for addition to BP4 ( currently at the 90% design level) and BP2 (currently at the draft final level).

Budget

The budget not to exceed will total \$26,222, unless additional authorization is requested in writing. Our fee and charges will be invoiced on a time and materials basis, based on the current fee schedule (attached). The budget assumes four (4) hard copies will be delivered to the District for all submittals. Details are provided on the budget revision table attached.

Schedule

Sixty percent plans, technical specifications, and an opinion of probable construction cost unique to the PV systems will be provided within six (6) weeks of Notice to Proceed. After comments are received, subsequent submittals will be provided with BP4 and BP2 design submittals.

Please feel free to contact me if you have any questions or comments. We look forward to continuing work on the Waterline Intertie Project and assisting the District as the project is seen to completion.

Sincerely,

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Michael K. Nunley, PE  
Project Manager

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Jon Hanlon, PE  
Managing Engineer

Enclosures: Budget #10C

## Project Budget

**Nipomo Waterline Intertie Project  
Budget for Scope Amendment #10C - Solar Power**

**Nipomo Community Services District**

Task Description	Personnel Hours					Budget		
	Principal	Senior Engineer II	Senior CADD Operator	Admin	Total Hours	Labor	Non-Labor Fee	Total
<b>Task Group 1 - Construction Docs: Solar at PS Site</b>								
60% Plans, Specifications, and Cost Opinion	14	24	20		58	\$ 8,740	\$ 699	\$ 9,439
Draft Final Plans, Specifications, and Cost Opinion (with BP4)	2	3	8		13	\$ 1,720	\$ 138	\$ 1,858
Final Plans, Specifications, and Cost Opinion (with BP4)	1	4	8		13	\$ 1,680	\$ 134	\$ 1,814
<b>Subtotal</b>	<b>17</b>	<b>31</b>	<b>36</b>	<b>-</b>	<b>84</b>	<b>\$ 12,140</b>	<b>\$ 971</b>	<b>\$ 13,111</b>
<b>Task Group 2 - Construction Docs: Solar at PRV Sta.</b>								
60% Plans, Specifications, and Cost Opinion	14	24	20		58	\$ 8,740	\$ 699	\$ 9,439
Draft Final Plans, Specifications, and Cost Opinion (with BP4 & BP2)	2	3	8		13	\$ 1,720	\$ 138	\$ 1,858
Final Plans, Specifications, and Cost Opinion (with BP4 & BP2)	1	4	8		13	\$ 1,680	\$ 134	\$ 1,814
<b>Subtotal</b>	<b>17</b>	<b>31</b>	<b>36</b>	<b>-</b>	<b>84</b>	<b>\$ 12,140</b>	<b>\$ 971</b>	<b>\$ 13,111</b>
<b>Total</b>	<b>34</b>	<b>62</b>	<b>72</b>	<b>-</b>	<b>168</b>	<b>\$ 24,280</b>	<b>\$ 1,942</b>	<b>\$ 26,222</b>

<u>Personnel Category</u>	<u>\$/HR</u>
Principal	\$200.00
Senior Engineer II	\$160.00
Senior CADD Operator	\$105.00
Admin	\$72.00

AECOM

**FEE SCHEDULE FOR PROFESSIONAL SERVICES**  
Effective January 1, 2010

**Engineers, Planners, Architects, Scientists:**

Principal	\$200.00 per hour
Managing Engineer	\$175.00 per hour
Senior II	\$160.00 per hour
Senior I	\$145.00 per hour
Associate	\$125.00 per hour
Assistant	\$110.00 per hour
Construction Observer	\$110.00 per hour

**Technical Support Staff:**

Design/CADD Supervisor	\$120.00 per hour
Senior Designer/Design CADD Operator	\$105.00 per hour
Drafter/CADD Operator	\$100.00 per hour
Clerical/General Office	\$72.00 per hour

**General Project Expenses** <sup>(1)</sup> 8% of Labor

**Direct Project Expenses**

Other Reproduction (8-1/2 x 11/11x17 Color)	\$1.15/1.50 per page
Plan Sheet Printing – In House Bond / Mylar	\$3.00/7.00 per sheet
Subcontracted Services/Reproduction	Cost + 10%
Subcontracted or Subconsultant Services	Cost + 10%
Auto Mileage for Construction Phase Services	\$0.60 per mile
Travel & Subsistence (other than mileage)	Cost
Miscellaneous Supplies/Services	Cost + 10%

If authorized by the Client, an overtime premium multiplier of 1.5 may be applied to the billing rate of hourly personnel who work overtime in order to meet a deadline which cannot be met during normal hours.

Applicable sale taxes, if any, will be added to these rates. Invoices will be rendered monthly. Payment is due upon presentation.

Fee schedule is subject to change.

<sup>(1)</sup> Includes mail, telephone, fax, office photo copies, personal computers and mileage (except as noted).