

BOARD OF DIRECTORS  
FROM: BRUCE BUEL *B B*  
DATE: MARCH 18, 2009

**AGENDA ITEM  
E-1  
MARCH 25, 2009**

**SUNDALE WELL ELECTRIFICATION**

**ITEM**

AUTHORIZE REPLACEMENT OF NATURAL GAS ENGINE AT SUNDALE WELL WITH ELECTRIC MOTOR AND AMEND FY 08-09 BUDGET [ADOPT RESOLUTION].

**BACKGROUND**

At the October 22, 2008 Board meeting, the Board directed staff to have an electrical engineer design the upgraded electrical system necessary for converting the Sundale Well to operate with an electric motor. The District retained Cannon Associates to confirm the size of the electric motor required to power the well, design the upgraded electrical system and coordinate the PG&E application to bring in a new electric service.

An issue that staff identified during the conversion planning process was that the existing building, that was stick built, will need to be removed in order to remove the engine, gearhead and other related items. After evaluating the existing building, staff determined that it would be more appropriate to replace the wood building with a steel building to facilitate future maintenance of the well.

Staff requested quotes from six contractors that have Work Order Contracts with the District as well as two steel building contractors. The lowest, most responsive quotes for each phase of the work are as follows:

<b>DESCRIPTION</b>	<b>CONTRACTOR</b>	<b>COST</b>
Demolition	R. Baker	\$12,300
New Electric Motor	Fisher Pump	\$24,767
New Electric System	Woeste Electric	\$51,650
Replacement Building	Protective Weather Structures	\$14,960
Subtotal		\$103,677
Engineering Services During Construction		\$10,000
Contingency for Change Orders		\$15,000
<b>Total Conversion Cost</b>		<b>\$128,677</b>

A set of copies all of the quotes is attached. The proposal from TGP West was deemed non-responsive as it did not list a credit for the natural gas engine. The proposal from Quail Buildings was deemed non-responsive as it did not include tax and provided only an estimated cost of installation by an independent contractor. The proposal from Layne Christianson was deemed non-responsive as it took exception to the District's requirements.

Staff has applied for the new electrical service and is tracking the progress through the various PG&E processes. In addition, staff will work with the contractors to identify the lead times to obtain the electric motor and electrical components so that the implementation schedule can be developed.

Staff is still working on obtaining proposals for the emergency standby generator and will bring those proposals to the Board for approval at a subsequent meeting.

Staff restructured the demolition request for quote based on Board direction such that the engine would remain property of the District unless the District accepted the credit that was to be listed on the quote form. The demolition contractor, R. Baker, is not interested in the natural gas engine and thus did not provide a credit for the engine. The engine will remain the property of NCSD. Once the Board declares the engine to be surplus, the staff can attempt to sell it.

Regarding compliance with the California Environmental Quality Act (CEQA), the project consists of the replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity and is therefore exempt from CEQA pursuant to CEQA Guideline 15302(c).

### **FISCAL IMPACT**

The adopted FY08-09 Budget includes \$45,000 for well refurbishment (Town Water Replacement Fund 800). To date, the District has spent approximately \$10,000 on the electrical design performed by Cannon. Conversion of the Sundale Well requires a budget amendment to add an extra \$94,000 to cover the anticipated cost of the work. An additional budget amendment will be needed when the standby generator is purchased.

### **RECOMMENDATION**

Staff recommends that your Honorable Board adopt Resolution 2009-XXXX Sundale Well, authorizing replacement of the natural gas engine at the Sundale Well with an electric motor, authorizing staff to file a notice of exemption, amending the FY 08-09 Budget and declaring the natural gas engine and ancillary equipment surplus.

Furthermore, staff recommends that your Honorable Board award quotes for the conversion as outlined in the staff report and authorize the General Manager to issue individual Change Orders for up to \$5,000 with an aggregate Change Order total not to exceed \$15,000.

### **ATTACHMENTS**

- Resolution 2009-XXXX Sundale Well
- R. Baker Quote
- Fisher Pump Quote
- Woeste Electric Quote
- Protective Weather Structures Quote
- TGP West Quote
- Layne Christianson Quote
- Taft Electric Quote
- Quail Buildings Quote

**NIPOMO COMMUNITY SERVICES DISTRICT  
RESOLUTION NO. 2009-XXXX**

**A RESOLUTION OF THE NIPOMO COMMUNITY SERVICES DISTRICT BOARD OF DIRECTORS APPROVING THE SUNDALE WELL REPLACEMENT PROJECT AND AMENDING THE DISTRICT BUDGET TO PROVIDE FOR THE REPLACEMENT OF NATURAL GAS ENGINE AT SUNDALE WELL WITH AN ELECTRIC MOTOR.**

**WHEREAS**, on March 25, 2009, the Nipomo Community Services District ("District") Board of Directors considered District Staff's recommendation and public comment for the replacement of the natural gas engine at the Sundale Well with an electric motor (herein, the "Project"); and

**WHEREAS**, on June 25, 2008 the District adopted its FY 08-09 Budget; and

**WHEREAS**, the District desires to amend the FY 08-09 Budget to allocate funds for the Project's completion.

**NOW THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED BY THE NIPOMO COMMUNITY SERVICES DISTRICT BOARD OF DIRECTORS AS FOLLOWS:**

- 1) The District Board of Directors does hereby approve the Project.
- 2) The District Board of Directors does hereby authorize the appropriation of \$94,000 from Town Water Fund Reserves to Town Water Replacement Budget Account #800 to fund the Project.
- 3) The Project consists of the replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity and is therefore exempt from the California Environmental Quality Act pursuant to CEQA Guideline 15302(c).
- 4) The District Board of Directors does hereby declare the natural gas engine surplus and authorizes staff to dispose of it.

On the motion of Director \_\_\_\_\_, seconded by Director \_\_\_\_\_, and on the following roll call vote, to wit:

AYES:  
NOES:  
ABSENT:  
CONFLICT:

the foregoing resolution is hereby adopted this 25<sup>th</sup> day of March, 2009.

\_\_\_\_\_  
James Harrison, President  
Nipomo Community Services District

ATTEST:

\_\_\_\_\_  
Donna K. Johnson  
Secretary to the Board

\_\_\_\_\_  
Jon S. Seitz, Esq.  
General Counsel

REQUEST FOR QUOTE – REVISED 3/12/2009

SUNDALE WELL ELECTRIFICATION PROJECT – DEMOLITION PHASE

DISTRICT CONTACT PERSON

Peter Sevcik, P.E., District Engineer  
805-929-1133  
[psevcik@ncsd.ca.gov](mailto:psevcik@ncsd.ca.gov)

TO BE CONSIDERED, QUOTE MUST BE MAILED OR FAXED TO DISTRICT OFFICE, 148 S. WILSON STREET, NIPOMO, CA, 93444, FAX NUMBER 805-929-1932, AND RECEIVED BY 3 PM ON TUESDAY, MARCH 17, 2009.

NAME OF FIRM: R. Baker, Inc.

NAME OF PRINCIPAL: James Guiton

ADDRESS: PO Box 419

PHONE: 805-489-8711 FAX: 805-489-1653

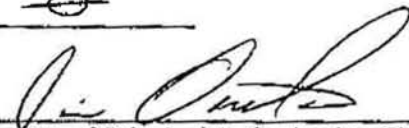
E-MAIL: —

TOTAL COST FOR ALL WORK AS SPECIFIED IN REQUEST FOR QUOTE:

\$ 12,300.—

CREDIT FOR EXISTING ENGINE AS SPECIFIED IN REQUEST FOR QUOTE:

\$ 0

  
Signature of Principal Authorized to Sign for Firm

3-17-09  
Date

*This quote shall be valid for 90 Days from the date of signature.*

*The District reserves the right to reject any and all quotes; to make any awards or any rejections in what it alone considers to be in the best interest of the District, and waive any informalities or irregularities in the bids.*



Fisher Pump & Well Service Inc.  
 2285 A Street  
 Santa Maria, Ca. 93455

March 17, 2009

License # 856336 C57/C81-D21

**NCS D Sundale Well Motor**

**Attention: Tina G.**

Description:  
 Estimate For Electric Motor And Top Shaft Change

**Anticipated Materials And Labor ...**

	<i>Unit Price</i>	<b>Total</b>
1 Ea 250HP VHS Motor With No Reverse Ratchet		\$ 19,904.00
1 Ea New Top Shaft To Accommodate Motor Length		558.00
1 Set Misc Hardware To Complete		210.00

Material	<u>\$ 20,760.00</u>
Sales Tax	1,601.93

Remove pump head, install new top shaft, set motor & Start Up

	<u>2,405.00</u>
<b>Project Estimate</b>	<b>\$ 24,766.93</b>

Thank You For Using Fisher Pump & Well Service Inc.

David S Fisher  
 President

Accepted By \_\_\_\_\_

**REQUEST FOR QUOTE**

**SUNDALE WELL ELECTRIFICATION PROJECT – NEW ELECTRICAL SYSTEM**

**TO BE CONSIDERED, QUOTE MUST BE MAILED OR FAXED TO DISTRICT OFFICE, 148 S. WILSON STREET, NIPOMO, CA, 93444, FAX NUMBER 805-929-1932, AND RECEIVED BY 3 PM ON TUESDAY, MARCH 17, 2009.**

Date: 03-17-09

NAME OF FIRM: Woeste Electric Inc.

NAME OF PRINCIPAL: Eric Woeste

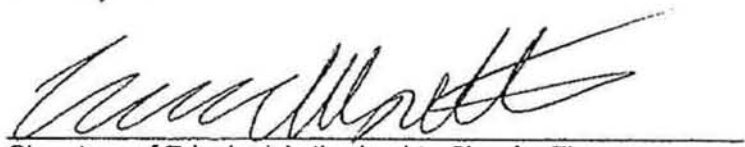
ADDRESS: P.O. Box 2638 Pismo Beach CA 93448

PHONE: 805-489-5487 FAX: 805-489-8493

E-MAIL: woestcelectric@aol.com

**TOTAL COST FOR ALL WORK AS SPECIFIED IN REQUEST FOR QUOTE:**

\$51,650<sup>00</sup>



Signature of Principal Authorized to Sign for Firm

03-17-09

Date

*This quote shall be valid for 90 Days from the date of signature*

*The District reserves the right to reject any and all quotes; to make any awards or any rejections in what it alone considers to be in the best interest of the District, and waive any informalities or irregularities in the bids. The contract will be awarded, if at all, to the responsible bidder that submits the lowest responsive bid.*

Nipomo Community Services District  
Page 2 of 2

REQUEST FOR QUOTE

SUNDALE WELL ELECTRIFICATION PROJECT - NEW WELL BUILDING

TO BE CONSIDERED, QUOTE MUST BE MAILED OR FAXED TO DISTRICT OFFICE, 148 S. WILSON STREET, NIPOMO, CA, 93444, FAX NUMBER 805-929-1932, AND RECEIVED BY 3 PM ON TUESDAY, MARCH 17, 2009.

Date: 3-13-09

NAME OF FIRM: Protective Weather Structures - PWS, Inc.

NAME OF PRINCIPAL: Don Kern

ADDRESS: 5290 Orcutt Rd.

PHONE: 547-8797 FAX: 549-8469

E-MAIL: brenda@pwsmetalbuildings.com

TOTAL COST FOR ALL WORK AS SPECIFIED IN REQUEST FOR QUOTE:

\$ 14,960<sup>00</sup>

  
\_\_\_\_\_  
Signature of Principal Authorized to Sign for Firm

3-13-09  
\_\_\_\_\_  
Date

*This quote shall be valid for 90 Days from the date of signature*

*The District reserves the right to reject any and all quotes; to make any awards or any rejections in what it alone considers to be in the best interest of the District, and waive any informalities or irregularities in the bids. The contract will be awarded, if at all, to the responsible bidder that submits the lowest responsive bid.*

3/2/2009



Nipomo Community Services District  
Page 2 of 2

REQUEST FOR QUOTE

SUNDALE WELL ELECTRIFICATION PROJECT - DEMOLITION PHASE

TO BE CONSIDERED, QUOTE MUST BE MAILED OR FAXED TO DISTRICT OFFICE, 148 S. WILSON STREET, NIPOMO, CA, 93444, FAX NUMBER 805-929-1932, AND RECEIVED BY 3 PM ON TUESDAY, MARCH 17, 2009.

NAME OF FIRM: TGP West Inc.

NAME OF PRINCIPAL: Mitchell W. Torp

ADDRESS: 3250 EL CAMINO Real # F3 ATASCADERO CA 93422

PHONE: 805-462-2849 FAX: 462-0943

E-MAIL: MITCH @ TGPWEST.COM

TOTAL COST FOR ALL WORK AS SPECIFIED IN REQUEST FOR QUOTE:

\$ 18,050 <sup>00</sup>/<sub>100</sub>

Mitchell W. Torp - President  
Signature of Principal Authorized to Sign for Firm  
805-610-4170

3/15/09  
Date

*This quote shall be valid for 90 Days from the date of signature.*

*The District reserves the right to reject any and all quotes; to make any awards or any rejections in what it alone considers to be in the best interest of the District, and waive any informalities or irregularities in the bids. The contract will be awarded, if at all, to the responsible bidder that submits the lowest responsive bid.*



2009 FRI 9:43 FAX

002/003

Nipomo Community Services District  
Page 2 of 2

REQUEST FOR QUOTE

SUNDALE WELL ELECTRIFICATION PROJECT - NEW ELECTRIC MOTOR

TO BE CONSIDERED, QUOTE MUST BE MAILED OR FAXED TO DISTRICT OFFICE, 148 S. WILSON STREET, NIPOMO, CA, 93444, FAX NUMBER 805-929-1932, AND RECEIVED BY 3 PM ON TUESDAY, MARCH 17, 2009.

NAME OF FIRM: LAYNE CHRISTENSEN CO

NAME OF PRINCIPAL: SANTA MARIA OFFICE / ROB THOMPSON

ADDRESS: 2860 THOMPSON WAY, SUITE "D"

PHONE: 805 925 9931 FAX: 805 925 9642

E-MAIL: robthompson@laynechristensen.com

TOTAL COST FOR ALL WORK AS SPECIFIED IN REQUEST FOR QUOTE:

\$ SEE ATTACHED OUTLINE



Signature of Principal Authorized to Sign for Firm

3.17.09

Date

*This quote shall be valid for 90 Days from the date of signature*

*The District reserves the right to reject any and all quotes; to make any awards or any rejections in what it alone considers to be in the best interest of the District, and waive any informalties or irregularities in the bids. The contract will be awarded, if at all, to the responsible bidder that submits the lowest responsive bid.*

## *Layne Christensen Company*

2360 THOMPSON WAY, SUITE D, SANTA MARIA, CA 93455  
CONTRACTOR LICENSE NO. 510011

PHONE 805 925 9931  
FAX 805 925 9642

March 17, 2009



**Nipomo Community Service District**  
148 S. Wilson Street  
Nipomo, CA 93444  
Attention: Peter Sevcik, District Engineer

### DESCRIPTION:

**Provide, Change Top Shaft & Set Motor At The Sundale Pump Station**  
250HP, VHS Motor Per District Quote Request Of February 27, 2009  
Building Dismantling Not Included. By Others

### OUTLINE OF EQUIPMENT

Vertical Hollowshaft Motor, 250HP, 460 Volt, WP1, 1760 RPM, H0250V2SLH  
WP1 Enclosure, Inverter Duty Windings, Premium Efficiency, Bolted Top Drive Coupling  
Top Shaft, Steel, Length To Suit Motor (Gearhead Shaft Shorter), 1 11/16  
Top Tube, Heavy Wall Steel, Length To Suit, 2 1/2" OD  
Pick Up Pump, Change To Longer Top Shaft, Reset Pump, Place Motor, Check Rotation,  
Set Impellers, Start, Check

Quoted Price Including Tax And Installation \$ 25,716.00  
Pricing Valid For 30 Days  
Subject To Suitable Access And Work Area

### NOTES

- A. Electrical Changes By Others. Start Up Assistance After Power Available Includes Rotation Check And Impeller Setting. Starting By Others May Void Warrantee.  
Wire And Conduit To Motor By Your Electrical Contractor.
- B. Typical Motor Data: 250HP, 95% Effy, Full Load Current 292 Amps, NEMA Starting Code "G"
- C. Pump Repairs Not Included. Pump Reset "As Is". Liability Not Accepted For Pump Operation.
- D. Permits Not Included... By Others As Needed.
- E. Standard Labor Rates Included. Addition Required For Prevailing Rates If Applicable
- F. Present Delivery Estimate / US Motors / 7 To 10 Days, Subject To Prior Sale
- G. An Addition For Gearhead Removal Will Be Required, If Not Done By Others. Please Record Impeller Setting So That It Can Be Duplicated.
- H. *Layne* Standard Terms And Conditions Of Sale Apply

Thank You For Your Inquiry And Your Consideration. We Look Forward To Working With You On Your Project. Please Contact Me With Any Questions.

Rob Thompson  
*Layne Christensen Co.*

Accepted By \_\_\_\_\_

Date \_\_\_\_\_

REQUEST FOR QUOTE

SUNDALE WELL ELECTRIFICATION PROJECT - NEW ELECTRICAL SYSTEM

TO BE CONSIDERED, QUOTE MUST BE MAILED OR FAXED TO DISTRICT OFFICE, 148 S. WILSON STREET, NIPOMO, CA, 93444, FAX NUMBER 805-929-1932, AND RECEIVED BY 3 PM ON TUESDAY, MARCH 17, 2009.

Date: 3/17/09

NAME OF FIRM: TAFT ELECTRIC COMPANY

NAME OF PRINCIPAL: ROBERT JEPPESEN

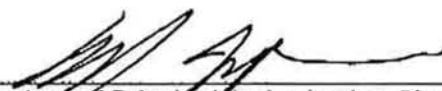
ADDRESS: 650 ALAMO PINTADO RD #201, SOLVANG, CA 93463

PHONE: 688-0121 FAX: 688-0125

E-MAIL: R.jepesen@Taftelectric.com

TOTAL COST FOR ALL WORK AS SPECIFIED IN REQUEST FOR QUOTE:

\$ 71,113.00

  
\_\_\_\_\_  
Signature of Principal Authorized to Sign for Firm

3/17/09  
\_\_\_\_\_  
Date

*This quote shall be valid for 90 Days from the date of signature*

*The District reserves the right to reject any and all quotes; to make any awards or any rejections in what it alone considers to be in the best interest of the District, and waive any informalities or irregularities in the bids. The contract will be awarded, if at all, to the responsible bidder that submits the lowest responsive bid.*

REQUEST FOR QUOTE

SUNDALE WELL ELECTRIFICATION PROJECT – NEW WELL BUILDING

TO BE CONSIDERED, QUOTE MUST BE MAILED OR FAXED TO DISTRICT OFFICE, 148 S. WILSON STREET, NIPOMO, CA, 93444, FAX NUMBER 805-929-1932, AND RECEIVED BY 3 PM ON TUESDAY, MARCH 17, 2009.

Date: 3-11-09

NAME OF FIRM: Quail Versatube Buildings

NAME OF PRINCIPAL: Paul King

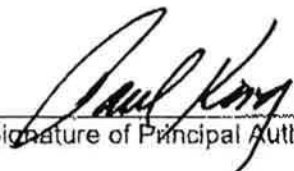
ADDRESS: 2321 Fallon Rd., Hollister, CA 95023

PHONE: 800-232-1031 FAX: 831-636-1033

E-MAIL: Tim@Quailbuildings.com

TOTAL COST FOR ALL WORK AS SPECIFIED IN REQUEST FOR QUOTE:

\$ 4,921 (PLUS EST \$2,500 INSTALLATION AT INDR. CONTR.)

  
Signature of Principal Authorized to Sign for Firm

3-11-09  
Date

*This quote shall be valid for 90 Days from the date of signature*

*The District reserves the right to reject any and all quotes; to make any awards or any rejections in what it alone considers to be in the best interest of the District, and waive any informalities or irregularities in the bids. The contract will be awarded, if at all, to the responsible bidder that submits the lowest responsive bid.*

TO: BOARD OF DIRECTORS  
FROM: BRUCE BUEL *BB*  
DATE: MARCH 18, 2009

**AGENDA ITEM  
E-2  
MARCH 25, 2009**

**INTEGRATE BLACKLAKE WELLS INTO DISTRICT WATER SYSTEM**

**ITEM**

Consider staff concept proposal to integrate Blacklake Wells into District Water System [PROVIDE POLICY GUIDANCE].

**BACKGROUND**

Blacklake Wells 3 and 4 currently pump water into a ground level storage tank (Blacklake Tank) that is subsequently pumped into the District Water System. The water returns blended with District Water to the Blacklake pressure zone through two pressure reducing valves and will in the future also flow into the Blacklake pressure zone through a pressure reducing station that is currently being designed for the intersection of Willow Road and Misty Glen. This arrangement is inefficient and creates the potential for water quality problems due to stagnation of water and loss of chlorine residual in the Blacklake Tank when the Blacklake wells are off.

A November 2008 Inspection Report of the Blacklake Tank indicates that the exterior of the tank needs to be repaired and recoated, the interior needs to be repaired and recoated, the cathodic protection system needs to be evaluated, and several safety, health and code features need to be added to the tank at an estimated cost of \$160,800 not including engineering, specialty inspection costs, or costs to upgrade the cathodic protection system.

Blacklake Well 3 is experiencing symptoms that indicate that the screen is plugged and/or the pump is not set at a sufficient depth and thus staff has restricted the flow rate to prevent the well pump from drawing in air. The well needs to be video inspected to determine the condition of the well, a remediation plan needs to be developed and implemented, and then a pump test needs to be conducted to determine the proper size and setting for a new pump. The estimated cost for all of this work, including the installation of a new pump and engineering, is \$90,000.

As part of the FY 09-10 Budget planning process, staff looked at the projects that need to be completed and developed a concept to maximize the return on available funding and improve the efficiency of the Blacklake Wells. Staff's proposed concept is to replumb Blacklake Well 4 directly into the District Water System, conduct all of the necessary work on Blacklake Well 3 and replumb it to the District Water System, and permanently take the Blacklake Tank out of service and remove it along with the hydro tank and booster pump station equipment that has already been surplus. The estimated cost of this work is \$170,000.

This arrangement would lower the District's on-going operational costs of the merged water system, simplify operation of the Blacklake Wells, eliminate the potential for water quality problems caused by stagnation of water within the Blacklake Tank, and increase system reliability since water would not be double pumped through the Blacklake Tank to the distribution system. Furthermore, part of the cost to implement the project may be eligible for a PG&E rebate since the arrangement would be less energy intensive than the current system.

The design and installation of the pressure reducing station for Misty Glen and Willow Road is not impacted by the proposed concept. Staff anticipates completing the design during the current fiscal year and constructing the planned facilities in the first quarter of the FY 09-10 fiscal year.

The design and installation of the pressure reducing station for Augusta Drive and Pomeroy will occur once a water line is installed in Pomeroy Road north of Willow Road to Augusta Drive as warranted by development in the area.

**FISCAL IMPACT**

The total cost to rehabilitate Blacklake Well 3 and the Blacklake Tank is estimated to be in excess of \$250,000. The estimated cost of staff's proposed concept to integrate the Blacklake Wells into the District Water system and abandon the Blacklake Tank is \$170,000. If the District Board supports staff's proposal to integrate the Blacklake wells into the District water system, staff will request funding for the project through the FY 09-10 budget process.

**RECOMMENDATION**

Staff requests your Honorable Board review staff's proposal, receive any public comment and provide staff with direction whether or not to proceed with implementing staff's proposal to integrate the Blacklake wells into the District Water System.

**ATTACHMENTS**

- Water Facilities Map in Blacklake Vicinity



