



## RANCHO MURIETA COMMUNITY SERVICES DISTRICT

15160 Jackson Road, Rancho Murieta, CA 95683

Office - 916-354-3700 \* Fax - 916-354-2082





### IMPROVEMENTS COMMITTEE

Regular Meeting

August 1, 2017 at 8:30 a.m.

All persons present at District meetings will place their cellular devices in silent and/or vibrate mode (no ringing of any kind). During meetings, these devices will be used only for emergency purposes and, if used, the party called/calling will exit the meeting room for conversation. Other electronic and internet enabled devices are to be used in the "silent" mode. Under no circumstances will recording devices or problems associated with them be permitted to interrupt or delay District meetings.

### AGENDA

1. **Call to Order**
2. **Comments from the Public**
3. **Monthly Updates**
  -  Solar Power
  -  Development
  -  MG - CIA Ditch
  -  Tentative Maps
4. **Hydro-Tank for Wastewater Reclamation Plant**
5. **Michigan Bar Sub-Drain Panel Replacement**
6. **Review Proposal for Well Project Environmental Mitigation Measures**
7. **Review Augmentation Well Bids**
8. **Directors & Staff Comments/Suggestions [no action]**
9. **Adjournment**

*In accordance with California Government Code Section 54957.5, any writing or document that is a public record, relates to an open session agenda item and is distributed less than 72 hours prior to a regular meeting will be made available for public inspection in the District offices during normal business hours. If, however, the document is not distributed until the regular meeting to which it relates, then the document or writing will be made available to the public at the location of the meeting.*

Note: This agenda is posted pursuant to the provisions of the Government Code commencing at Section 54950. The date of this posting is July 28, 2017. Posting locations are: 1) District Office; 2) Rancho Murieta Post Office; 3) Rancho Murieta Association; 4) Murieta Village Association.

## MEMORANDUM

Date: July 26, 2017  
To: Improvements Committee  
From: Paul Siebensohn, Director of Field Operations  
Subject: Receive and Consider Project Updates

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### **SOLAR POWER INSTALLATIONS**

#### **Wastewater Treatment Plant Site**

Solar City is waiting for SMUD to process the paperwork necessary to allow them to activate the solar farm. Although SMUD had 30 days to process this paperwork, they are backed up and have not gotten to it yet. Solar City's current project manager has relayed that he is continuing to press them to get it done.

#### **Water Treatment Plant Site**

The plans are still being held up by Sacramento Metro Fire Department (SMFD) plan reviewers who need to sign off on all plans. Solar City's current project manager has met with SMFD and is working towards getting the plans signed. The final fencing of the solar panels is pending any accommodations needing to be made.

#### **Well Project**

Bids were received and opened on July 21, 2017 after 11:30 a.m., read aloud, and recorded. Seven (7) bids were received. The lowest base bid coming from Bradley & Sons Inc. Awarding of the bid is predicated on the District receiving a Right of Entry Agreement or Ownership for the proposed well site, which is still pending. Edward R. Crouse has been reaching out to the landowners with no response as of yet.

The project is to drill one (1) well at the most probable site for water, designated in all prior studies as TH-B, located on the Anderson Ranch, west of the airport and north of the river, at a borehole depth of 350'.

#### **CIA Ditch**

With the CIA Ditch currently being off for the Murieta Gardens - Highway 16 expansion project, District staff is working on getting the old slide gate valves replaced in the diversion structures. To do, so we have built small dams and gotten inflatable plugs to plug lines. The contractor for the project is currently completing grading of the areas as well as working on excavations and bedding to lay in piping that will replace a long section of the open ditch at the project site.

## MEMORANDUM

Date: July 25, 2017  
To: Improvements Committee  
From: Paul Siebensohn, Director of Field Operations  
Subject: Hydropneumatic Tank Replacement for Wastewater Reclamation Plant

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### RECOMMENDED ACTION

Approve quote from N.J. McCutchen, Inc. for replacement of the wastewater reclamation plant Hydropneumatic tank, in an amount not to exceed \$29,671 + tax. Funding to come from Wastewater Replacement Reserves.

### BACKGROUND

The hydropneumatic tank at the wastewater reclamation plant has been in operation since 1982 and its metal housing is wearing thin. It is a pressurized steel vessel that is used to supply process water within the facility for facility use. Process water is water that has been treated through the tertiary treatment process that is used within the facility for non-potable uses such as for the chlorine gas system, sprayer systems at hose bibs around the dissolved air floatation (DAF) units and tertiary filters, and for chemical delivery into the treatment process. A worker died in northern California as a result of one of these failing.



We contacted many vendors to obtain quotes but only two (2) responded. The lowest bid, from N.J. McCutchen, Inc., is attached. They are a reputable company we have worked with in the past.



# N.J. McCUTCHEN, INC

METAL FABRICATION · MACHINE SHOP  
123 W. SONORA ST. · STOCKTON, CA 95203  
(209) 466-9704 · FAX (209) 465-7718  
[www.njminc.com](http://www.njminc.com)

## Rancho Murieta Community Services

**District**  
Rancho Murieta, CA

**Attention:** Travis Bohannon  
**Office:** 916 354 3700

**Proposal No.:** RMCSO-050317  
**Date:** 5/4/2017  
**Total Pages:** 1  
**Subject:** Hydro Pneumatic Water Tank

Labor and material to fabricate and install 1 each hydro pneumatic water tank per our 2 May 2017 discussion as follows:

Design code:	Designed and certified to ASME Section VIII, Division 1.
MAWP:	100 psig at 400° F
Vessel material:	Carbon steel
Coating:	Epoxy/urethane exterior only
Configuration:	Horizontal
Diameter:	48" outside diameter
Shell length:	112"
Capacity:	940 gallons (approximate)
Shell nozzles:	Like existing. Loose flanges for field fitting and welding to match fixed existing connections.
Head fittings:	Fittings for sight glass (sight glass provided by RMCSO, installed by NJM) Nozzles and associated plumbing for external level probe well
Saddles:	2 each with anchor holes
Installation:	Please allow 2 days for installation.

<b>Price for vessel:</b>	<b>\$20,089</b>
<b>Price for installation:</b>	<b>\$9,582</b>
<b>Total:</b>	<b>\$29,671</b>

- Delivery time is about 12 weeks after receipt of order.
- NJM employees shall be compensated with prevailing boilermaker wages for installation labor at RMCSO job site.
- Any applicable tax is not included in the pricing above.

With regards,

Alan McCutchen

## MEMORANDUM

Date: July 26, 2017  
To: Improvements Committee  
From: Paul Siebensohn, Director of Field Operations  
Subject: Michigan Bar Sub-Drain Panel Replacement

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### RECOMMENDED ACTION

Approve quote from Prodigy Electric, Inc., for the Michigan Bar Sub-Drain Panel replacement, in an amount not to exceed for \$14,000. Funding to come from Wastewater Replacement Reserves.

### BACKGROUND

The Michigan Bar sub-drain pump station pumps water from the foot of Michigan Bar Dam #1, which is the dam that holds water on the south end of wastewater secondary storage reservoirs 1 & 2. The panel is over 20 years old and has been failing in multiple ways. The bid attached is to remove and install new sub-drain motor control panel, including demo of old concrete, install of new concrete, wiring as needed, new panel, and controls. It was the lowest bid received. This bid includes all applicable taxes and wage requirements.



*Photo of existing panel*



Please Remit To This Address: **Prodigy Electric And Controls, Inc.**  
PO Box 141  
Lincoln, CA 95648

Bill To: Rancho Murieta CSD  
15160 Jackson Road  
Rancho Murieta, CA

Quote #	40349
Date	5/30/2017
Total Due:	\$14,000.00
Terms	Net 30
P.O. No.	

Phone # 916.997.0798

CA License # 998361

**Job Description**

WWRP New Sub Drain panel

Description	Qty	Rate	Total
Provide and install new sub drain motor control panel. including demo of old concrete, install of new concrete, wiring as needed, start-up.	1	14,000.00	14,000.00

<b>Total</b>	<b>\$14,000.00</b>
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## MEMORANDUM

Date: July 28, 2017  
To: Improvements Committee  
From: Paul Siebensohn, Director of Field Operations  
Subject: Approve Well Project Environmental Mitigation Measures

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### RECOMMENDED ACTION

Approve the quote from HDR, Inc. for Well Project Environmental Mitigation Measures, in an amount not to exceed \$8,223. Funding to come from Water Augmentation Reserves.

### BACKGROUND

The CEQA Environmental Initial Study and Proposed Mitigation Negative Declaration (IS-MND) that was prepared, submitted, and recorded for this project outlines mitigation measures to be implemented during the project. These mitigation measures, noted as MM BIO-1 and MM BIO-2, would reduce impacts to special status species to a designation of “less than significant” when implemented. MM BIO-1 is for protection of Elderberry bushes which are the host plant of the Valley Elderberry Longhorn Beetle, a protected species. MM BIO-2 is for mitigation measures to accommodate protected raptors species such as the Swainson Hawk. The proposal attached is from David Beauchamp of HDR Engineering, the author of the IS-MND for this project. This proposal also includes optional tasks for Regional Board Stormwater Permit coverage, totaling \$6,600, if it is determined to be necessary. At this point, I have submitted a question in to the Regional Board to clarify if our existing MS-4 (small system drainage permit) permit covers the well project or not. If it does not, then the optional task is not necessary.





July 13, 2017

Paul Siebensohn  
Rancho Murieta Community Services District  
151620 Jackson Road  
Rancho Murieta, CA 95683

**RE: Cost Proposal to Provide Migratory Bird Treaty Act; Bald Eagle/Raptor Pre-Construction Nesting Surveys**

Dear Paul Siebensohn,

The Rancho Murieta Community Services District (RMCS D) plans to drill, construct, and operate a groundwater well (PW-B) as a new water supply source to augment its surface water supplies during drought conditions. PW-B is sited at the western edge of an agricultural field, about 2,000 feet west of the western end of the airport runway.

HDR Engineering, Inc. (HDR) understands the importance of this effort and the environmental conditions within the project alignment and proposes to provide biological resources services, specifically, Migratory Bird Treaty Act/Bald Eagle/raptor survey for compliance with the RMCS D's Initial Study and Mitigated Negative Declaration (IS-MND) (adopted March 2014).

The attached scope of work and cost proposal detail the measures and methods to be implemented in accordance with RMCS D IS-MND and/or environmental permit conditions to mitigate potential project impacts to existing biological resources, nesting birds, special-status species, and sensitive habitat(s).

We trust that our proposal effectively communicates our team's approach, as well as our team's commitment to proactively support RMCS D on this important project. If you have any questions, please don't hesitate to contact David Beauchamp at 916.817.4937 or David.Beauchamp@hdrinc.com.

Sincerely,  
HDR Engineering, Inc.

Holly L.L. Kennedy, PE  
Vice President

David Beauchamp  
Project Manager



# Cost Proposal to Provide Migratory Bird Treaty Act (MBTA); Bald Eagle/Raptor Pre-Construction Nesting Surveys with Optional Tasks: Worker Environmental Awareness Training and Low Threat Discharge to Land for the Groundwater Augmentation Well Project

## Project Description

Rancho Murieta Community Services District (RMCS D) plans to install and operate a new groundwater well as the first component of an overall plan to install and operate up to three new groundwater wells to augment RMCS D surface water supplies in drought years. The first groundwater well will be installed (Well Site PW-B) at the western edge of an agricultural field, about 2,000 feet west of the western end of the airport runway. At this time, only one groundwater well will be installed at Well Site PW-B.

Combined, the new wells could have adequate capacity to extract up to 600 acre-feet/year (AFY). The proposed project also includes necessary water treatment facilities, disinfection equipment, above- and below-ground piping, electronic controls, security lighting, and fencing.

## Overview of Scope of Work for Biological Resources

This scope of work and cost proposal detail the measures and methods as provided for in RMCS D's adopted Initial Study and Mitigated Negative Declaration (IS-MND) to be implemented to mitigate potential project impacts to existing biological resources, special-status species, and sensitive habitat(s).

### Task 1: Project Management, Coordination, and Meetings

Project management and coordination will include planning and the technical tasks, including attending a kick-off meeting, as well as additional project-related meetings; making sure that project standards are in-place, protocols are adhered to, and mitigation measures (MM BIO-1 and MM BIO-2) are implemented properly; project tracking; managing schedules; and contracting administrative tasks. For budgeting purposes, we assume that approximately 30 percent of the budget for this task will be used for responding to RMCS D requests or inquiries or participating in conference calls with the RMCS D to discuss interim data requests, mitigation monitoring status, and other coordination. We estimate the level of effort to perform this task at 24 hours.

**Deliverables:** project management responsibilities include contract processing, monthly progress reports and invoices, preparation of meeting agendas/minutes, fulfilling data requests, participation in conference calls, and coordination efforts with staff and client project manager.

### Task 2.0: Biological Resources Services

Based on the March 2014 IS-MND prepared for RMCS D Groundwater Augmentation Well Project, mitigation measures are required to protect biological resources that could potentially

occur within the project area. This scope of work assumes all necessary environmental permits (namely, Central Valley Regional Water Quality Control Board (CVRWQCB) Low Threat Discharge permit) will be available prior to the start of construction activities. In fact, based on the permit conditions, construction activities are prohibited until the necessary permits are obtained from the respective resource agencies. We assume RMCS D will have keys for any gates, as well as all permissions to access private property. Moreover, we assume PW-B and the surrounding areas will be accessible by vehicle or on foot.

HDR will provide the following tasks to comply with the biological resources mitigation measures and environmental permit conditions as described for this project.

### **Task 2.1: Migratory Bird Treaty Act (MBTA), Bald Eagle/Raptor Pre-Construction Nest Surveys**

Our project biologist will conduct the required preconstruction nesting bird surveys, if construction activities are expected to start during the migratory bird nesting season (February 1 to August 31). As required by MM Bio-2, migratory nesting bird preconstruction clearance surveys will be conducted within 72 hours of the start of construction. Surveys will be consistent with resource agency approved survey methods. Should any migratory nesting birds be found during preconstruction survey efforts, we will coordinate with the construction contractor and the RMCS D to implement an appropriate construction buffer from the nesting site. If an adequate buffer is not feasible, HDR will coordinate with the appropriate resource agency, the construction contractor, and RMCS D personnel to identify a solution to minimize groundwater well drilling and construction interruptions.

If construction activities occur during the Bald Eagle nesting season (February 1 to August 31), our biologist will conduct the required Bald Eagle (and raptor) nesting surveys. Within 72 hours of the start of construction, a pre-construction survey within and adjacent to the project will be conducted to determine if nesting Bald Eagles are present. If any nesting activity is observed, HDR will coordinate with the construction contractor, RMCS D, and appropriate wildlife management agencies.

Note: If project construction is postponed, delayed, or stalled for more than two weeks within MBTA timeframe and Bald Eagle breeding season, another pre-construction survey must be conducted prior to the start of construction activities to determine if raptors or migratory birds have established nests within the project area. If these additional bird surveys are necessary, a separate scope and budget will be prepared by HDR and transmitted the RMCS D.

HDR will provide a brief technical memorandum (TM) of the results of the pre-construction MBTA and Bald Eagle (raptor survey). The TM will discuss the nesting bird preconstruction survey methods, results, and (if any) appropriate avoidance measures to comply with the MBTA and California Fish and Game Code. We estimate task 2.1 will be completed in 36 hours.

***Deliverables:*** TM of results of pre-construction MBTA/Bald Eagle/raptor nesting bird survey and avoidance measures

## **Task 2.2: Inspect Protective Fencing around Sensitive Species and Delineate 100-foot Buffer Zone**

Verify installation of avoidance buffer zone including ingress/egress at least 100-feet north of existing elderberry beetle bushes. Confirm installation of protective fencing around existing elderberry beetle bushes. For efficiency purposes, HDR biologists will perform Task 2.2 while our biologists are performing task 2.1. Note: If necessary, HDR can install this protective fencing as an add-on to this scope of work.

**Deliverables:** Exhibit with photo documentation of protective fencing and sensitive habitat buffer zone.

## Schedule

Tasks 1 and 2 are assumed to be short-term tasks that will be completed in approximately 30 days.

Task1 – PM will be ongoing from NTP through completion in approximately 30 days.

Task 2 - HDR will prepare for and complete the MBTA/Bald Eagle/raptor nesting survey within two days. The draft TM will follow within seven days, and assuming one consolidated set of comments from RMCSO, the final TM will be revised and submitted to RMCSO within four business days. Scope of work assumes minimal RMCSO review times and complexity of comments, if any.

## Cost Estimate

Our fee estimate is detailed in Attachment 1.

## Optional Tasks

Optional Tasks 1 and 2 are recommended to comply with Water Quality Order No. 2003-0003-DWQ Statewide General Waste Discharge Requirements (WDR) to Land and Worker Environmental Awareness Program (WEAP) training for well drillers/installation and associated construction activities.

### **Optional Task 1: CVRWQCB Low Threat Discharge Notice of Intent to Comply (Water Quality Order No. 2003-0003-DWQ Statewide General WDRs for Discharges to Land with a Low Threat to Water Quality)**

Section 13260(a) of the California Water Code (CWC) requires that any person discharging waste or proposing to discharge waste within any region, other than to a community sewer system, which could affect the quality of the waters of the State, file a report of waste discharge (ROWD). The discharges to land with a low threat to water quality listed in Table 1 are low volume discharges with minimal pollutant concentrations and are disposed of by similar means. These discharges are appropriately regulated under General WDRs.



**Table 1. Categories of Low Threat Discharges**

CATEGORY
<b>Wells, Boring Waste</b>
Well Development Discharge
Monitoring Well Purge Water Discharge
Boring Waste Discharge
<b>Clear Water Discharge</b>
Water Main/Water Storage Tank/Water Hydrant Flushing
Pipelines/Tank Hydrostatic Testing Discharge
Commercial and Public Swimming Pools
<b>Small Dewatering Projects</b>
Small/Temporary Dewatering Projects (such as excavations during construction)
<b>Miscellaneous</b>
Small Inert Solid Waste disposal Operations
Cooling Discharge

**Optional Task 1.1**

Under this optional task, HDR will prepare a State Water Resources Control Board (SWRCB) Notice of Intent (NOI) to comply with the terms of Water Quality Order No. 2003-0003-DWQ Statewide General WDRs for Discharges to Land with a Low Threat to Water Quality. The NOI for Low Threat Discharge will be prepared using the SWRCB Water Quality Order No. 2003-0003-DWQ process to prepare complete and satisfactory NOI. A draft NOI will be submitted to RMCS D for review and comment. After receipt of one set of consolidated comments, HDR will finalize the NOI and, on behalf of RMCS D, will submit the complete NOI to the appropriate water board staff for review, processing, and approval. According to the, Water Quality Order No. 2003-0003-DWQ monitoring and reporting is not required for well development discharges.

Optional task 1.1 will require up to 30 hours of professional time, estimated at \$4,500 – actual cost estimate will be submitted upon request. We will complete the draft and final NOI in approximately four weeks depending on RMCS D review times and complexity of comments.

**Deliverables:** Draft and final NOI for submittal to SWRCB

**Optional Task 1.2**

Upon completion of the PW-B well drilling and installation project, HDR will use the Waste Discharge ID to prepare SWRCB Notice of Termination (NOT) to comply with the terms of Water Quality Order No. 2003-0003-DWQ WDRs. The NOT for Low Threat Discharge will be prepared using the SWRCB WQ Order No. 2003-0003-DWQ as the guidance document. A draft NOT will be submitted to RMCS D for review and comment. After receipt of one set of consolidated comments, HDR will finalize the NOT and, on behalf of RMCS D, will submit the complete NOT to the appropriate water board staff for review, processing, and approval.

Optional task 1.2 will require up to 10 hours of professional time, estimated at \$1,700 – actual cost estimate will be submitted upon request. We will complete the draft and final NOT in approximately one week depending on RMCS D review times and complexity of comments.

***Deliverables:*** Draft and final NOT for submittal to SWRCB

## **Optional Task 2: WEAP Training**

HDR's environmental team will prepare a WEAP complete with project-specific information about special-status species, protective/mitigation measures, and protocols. HDR will conduct environmental awareness trainings prior to the start of construction to inform and educate the project team and on-site personnel of pertinent commitments outlined in the environmental documents. Environmental trainings will include specific project information for each resource and will be given in accordance with the appropriate resource agency standards. This task assumes one environmental training session will be required for the project. At RMCS D's request, HDR can provide additional trainings over the construction period. This could be necessary as the on-site conditions could change over time based on the current activities.

Special consideration will be given to avoidance of special-status species, as well as the necessity to avoid elderberry plants and stay within designated work areas. The training will include discussions of the biology resources, distribution, and ecology of the valley elderberry longhorn beetle (VELB), migratory birds, Bald Eagle and raptors; required best practices before the start of construction; general measures that are being implemented to conserve these species, penalties for non-compliance; and boundaries of the work area and of the permitted disturbance zones.

Training materials and information (hardcopies and electronic) will be provided by HDR and distributed during training. Upon completion of training, all construction personnel will sign an environmental awareness form stating that they have attended the training and understand all the conservation measures.

Optional Task 2 will require up to 22 hours of professional time, estimated at \$2,100 – actual cost estimate will be submitted upon request.

***Deliverables:*** WEAP training materials; conduct one WEAP training

**ATTACHMENT 1:**  
**Cost for MBTA-Raptor Survey for Groundwater Augmentation Well**  
**Rancho Murieta Community Services District**

		Project Manager	Biologist	GIS Analyst	Administration	Labor Hours	Labor (\$)	Expenses (\$)*	TOTAL
<b>Project Mgt</b>	<b>Project Management - Coordination</b>								
1.0	Project Mgt	6	6		4	16	\$ 2,368		\$ 2,368
1.1	Coordination Meetings (PM_Bio)	4	4			8	\$ 1,270	\$ 102	\$ 1,372
	<b>TOTAL PM-Mtgs</b>	<b>10</b>	<b>10</b>		<b>4</b>	<b>24</b>	<b>\$ 3,639</b>	<b>\$ 102</b>	<b>\$ 3,740</b>
<b>Bio Tasks</b>	<b>Biological Resources</b>								
2.0	Biological Resources					0	\$ -	\$ -	\$ -
2.1	Prepare WEAP Training Materials					0	\$ -	\$ -	\$ -
2.2	Conduct WEAP Training					0	\$ -	\$ -	\$ -
2.3	Conduct Nesting MBTA_Raptor Survey		10			10	\$ 926	\$ 174.07	\$ 1,100
2.4	Prepare Nesting MBTA_Raptor Survey TM	4	16	4	2	26	\$ 3,040	\$ 343.17	\$ 3,383
2.5	CTS_VELB Exclusion Fence Installation_Monitoring					0	\$ -	\$ -	\$ -
2.6	CTS_VELB Exclusion Fence Installation_Monitoring TM					0	\$ -	\$ -	\$ -
	<b>TOTAL BIO EFFORT</b>	<b>4</b>	<b>26</b>	<b>4</b>	<b>2</b>	<b>36</b>	<b>\$ 3,966</b>	<b>\$ 517</b>	<b>\$ 4,483</b>
<b>CR Tasks</b>	<b>Cultural Resources</b>								
3.0	Cultural Resources					0	\$ -	\$ -	\$ -
3.1	Prepare CR Monitoring Plan					0	\$ -		\$ -
3.2	Pre-Field_Monitoring Preparation					0	\$ -		\$ -
3.3	CR Monitoring					0	\$ -		\$ -
3.4	Prepare CR Monitoring TM					0	\$ -		\$ -
	<b>TOTAL CR EFFORT</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
	<b>TOTAL EFFORT</b>	<b>14</b>	<b>36</b>	<b>4</b>	<b>6</b>	<b>60.0</b>	<b>7,604</b>	<b>619</b>	<b>8,223</b>

## MEMORANDUM

Date: July 28, 2017  
To: Improvements Committee  
From: Paul Siebensohn, Director of Field Operations  
Subject: Approve low bidder for Augmentation Well Project

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### RECOMMENDED ACTION

Approve proposal from Bradley & Sons Inc. for the Augmentation Well Project drilling of well site TH-B, in an amount not to exceed \$319,088. Funding to come from Water Augmentation Reserves.

### BACKGROUND

Bids were received and opened on July 21, 2017 after 11:30 a.m., read aloud, and recorded. Seven (7) bids were received. The lowest base bid coming from Bradley & Sons Inc. The lowest base bid plus alternative bid also came from Bradley and Sons Inc. Awarding of the bid was specified in the bid packet as being based on the base bid items. The bids received are listed in the table below from lowest base bid to highest.

Awarding of the project is predicated on the District receiving a Right of Entry Agreement or ownership for the proposed well site, which is still pending. Edward R. Crouse has been reaching out to the landowner and landowner representatives in an effort to work on obtaining access for the project. Right of Entry should be in hand by August 10, 2017, upon Carol Anderson Ward's return. A term sheet (in bullet point form) for the final easement and use agreement is in the works.

This current bid is to drill one well at the most probable site for water, designated in all prior studies as TH-B, located on the Anderson Ranch, west of the airport, and north of the river at a borehole depth of 350'.

<b>Company</b>	<b>Base Bid Price</b>	<b>Alternate Bid Price</b>	<b>Total with Alt. Bid</b>
Bradley & Sons Inc.	<b>\$198,725</b>	\$91,355	\$290,080
Nor-Cal Pump & Well Drilling	<b>\$204,491</b>	\$153,837	\$358,328
Well Industries Inc., dba Northstate Drilling	<b>\$223,115</b>	\$144,950	\$368,065
Maggiora Bros Drilling, Inc.	<b>\$239,705</b>	\$85,443	\$325,148
Eaton Drilling Co. Inc.	<b>\$261,395</b>	\$155,325	\$416,720
Zim Industries	<b>\$279,140</b>	\$147,145	\$426,285
Cascade Drilling, L.P	<b>\$493,215</b>	\$225,265	\$718,480

\* Awarding of the bid was specified in the bid packet as being based on the base bid items.

At the cost of this project and for the long term viability of the well, it is recommended that the alternate bid items for stainless steel be included. As the window of opportunity is relatively short for this project, the Recommended Action is to award the project to Bradley and Sons Inc. for the base bid plus all alternative items, as well as a ten percent (10%) contingency, to cover all potential costs for the awarded contractor for this project to avoid any potential delays with additional approvals. Should we proceed and a contract be



awarded, we would approve only the base bid plus the stainless steel items. Any costs needing an alternative item or be from contingency would have to be approved by the General Manager and would be conveyed to the Board and public in the project updates.