



## BIGHORN-DESERT VIEW WATER AGENCY

*Our Mission - "To provide a high quality supply of water and reliable service to all customers at a fair and reasonable rate."*

### Planning/Legislative/Engineering & Grant Standing Committee Meeting Agenda

Committee Members: President Burkhart & Director Close-Dees

BOARD MEETING OFFICE  
1720 N. CHEROKEE TR.  
LANDERS, CALIFORNIA 92285



Note New Meeting Time

February 21, 2023  
Time – 9:30 A.M.

PUBLIC AND BOARD WISHING TO PARTICIPATE REMOTELY

**\*\*TELECONFERENCE LINE THRU ZOOM 669-900-6833\*\***

OR

Join Zoom Meeting

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/82929026602?pwd=eE5lZ1NONjFCVnNpM2QyV1RHTUp5dz09>

Passcode: 905089

Or Dial:

1-669-900-6833

Webinar ID: 829 2902 6602

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#### CALL TO ORDER

#### PLEDGE OF ALLEGIANCE

#### ROLL CALL

#### APPROVAL OF AGENDA

**Discussion and Action Items** - The Committee Directors and Staff will discuss the following items, and the Committee will consider taking action, if so inclined.

The Public is invited to comment on any item on the agenda during discussion of that item. When giving your public comment, please have your information prepared. If you wish to be identified for the record, then please state your name. Due to time constraints, each member of the public will be allotted three minutes to provide their public comment.

#### 1. Status Update Goat Mountain Replacement Well, Destruction of GM Well 2

#### 2. Status Update Water Meter Replacement Program (Drought Grant)

### **3. Status Report Potable Water Systems Improvements Consolidation of Water Systems**

### **4. Review Status of All Grants Awarded to Bighorn-Desert View Water Agency**

- 5. Consent Items** – The following items are expected to be routine and non-controversial and will be acted on by the Committee at one time without discussion, unless a member of the Public or member of the Committee requests that the item be held for discussion or further action.

- a. PLEGS Committee Special Meeting Minutes, **December 20, 2022.**

Recommended Action:

Approve as presented (Item a):

### **6. Public Comment Period**

Any person may address the Committee on any matter within the Agency's jurisdiction on items not appearing on this agenda. When giving your public comment, please have your information prepared. If you wish to be identified for the record, then please state your name. Due to time constraints, each member of the public will be allotted three minutes to provide their public comment. State Law prohibits the Committee from discussing or taking action on items not included on the agenda.

### **7. Verbal Reports - Including Reports on Courses/Conferences/Meetings**

1. Committee Members' Comments/Reports
2. General Manager's Report

### **8. Adjournment**

In accordance with the requirements of California Government Code Section 54954.2, this agenda has been posted in the main lobby of the Bighorn-Desert View Water Agency, 622 S. Jemez Trail, Yucca Valley, CA not less than 72 hours if prior to a Regular meeting, date and time above; or in accordance with California Government Code Section 54956 this agenda has been posted not less than 24 hours if prior to a Special meeting, date and time above.

As a general rule, agenda reports or other written documentation have been prepared or organized with respect to each item of business listed on the agenda.

Copies of these materials and other disclosable public records in connection with an open session agenda item, are also on file with and available for inspection at the Office of the Agency Secretary, 622 S. Jemez Trail, Yucca Valley, California, during regular business hours, 8:00 A.M. to 4:30 P.M., Monday through Friday. If such writings are distributed to members of the Board of Directors on the day of a Board meeting, the writings will be available at the entrance to the Board of Directors meeting room at the Bighorn-Desert View Water Agency.

**Internet:** Once uploaded, agenda materials can also be viewed at [www.bdvwa.org](http://www.bdvwa.org)

**Public Comments:** You may wish to submit your comments in writing to assure that you are able to express yourself adequately. Per Government Code Section 54954.2, any person with a disability who requires a modification or accommodation, including auxiliary aids or services, in order to participate in the meeting, should contact the Board's Secretary at 760-364-2315 during Agency business hours.



Item 1. Information Related to the Status Update - Goat Mtn. Replacement Well



## Bighorn-Desert View Water Agency

### Board of Directors

John Burkhart, President  
JoMarie McKenzie, Vice President  
Megan Close-Dees, Secretary  
Craig Dicht, Director  
David Chapman, Director



### Agency Office

622 S. Jemez Trail  
Yucca Valley, CA 92284-1440

760/364-2315 Phone  
760/364-3412 Fax

Marina D West, P.G., General Manager

[www.bdvwa.org](http://www.bdvwa.org)

**A Public Agency**

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January 23, 2023

RE: Funding Agreement Number 4600013807 Letter of Justification – Modify Project Definition, Scope of Execution and Request for Necessary Time Extension  
Project 6: Replacement Production Well for Goat Mountain System

To Whom It May Concern/Mojave Water Agency

Bighorn-Desert View Water Agency (BDV) has received grant funds as part of the Department of Water Resources Proposition 1/ Round 1 Integrated Regional Water Management (IRWM) Implementation Grant Program for the Colorado River Funding Area in response to the submitted Funding Assistance Application, Funding Agreement Number 4600013807: Project 6: Replacement Production Well for Goat Mountain System.

This project has proceeded through to the formal Public Works process with a Notice Inviting Bids published November 30, 2022. One initial step was to obtain up-to-date costs estimates. It is common knowledge that there have been significant increases in construction costs for materials and labor due to supply chain shortages, inflation, labor shortages from COVID-19 pandemic, and prevailing wage labor rates. The cost estimate now far exceeds the grant award of \$500,000.

The Agency's engineer prepared as estimate for inclusion in the Notice Inviting Bids for the well drilling, construction, testing and abandonment of the old failed well. This estimate is \$571,000 and exceeds the grant award of \$500,000. The Agency was able to review actual bids from a similar project (attached Jubilee Mutual Water Co Bid Opening December 15, 2022) and the actual bids received appear to confirm that costs are rapidly escalating and greatly exceed \$500,000.

The engineers' estimate of \$571,000 and the Jubilee MWC bids do not include the cost to equip the well with pump and motor, connect the well to the utility (So. Cal Edison) and obtain an amended permit from the Division of Drinking Water to activate the well into service. The project was split due to delays in progress on the electrical design (ie. staff shortages) so that the well construction portion could proceed.

In order to meet this challenge, the Agency has re-evaluated its Public Works bid document and has identified several areas where costs savings could be realized. This will require an addendum to the contract and will extend the bid opening date at least to February 2023. Furthermore, contractors are also struggling with staffing levels so the contract anticipates a delay in mobilization as contractors attempt to stage their projects over time.

The Agency has identified the following changes necessary to reduce the overall cost and still meet the intended objective:

1. Increase in the grant award to cover the increased costs due to significant increases in construction costs for materials and labor due to supply chain shortages, inflation, labor shortages from COVID-19 pandemic, and prevailing wage labor rates; and
2. Change in project description to remove the “destruction” of the failed well and its associated appurtenances; and
3. Provide an extension of time, beyond the current grant deadline, to complete the project due to the changed project description and identified contractor scheduling issues.

The Agency has reviewed the Grant Deliverables and requests the following change in scope which will reduce the overall project cost and still meet the primary project objective to “construct a new production well.”

1. Modify Task 11: Construction: Remove Item 11(c): Destroy Failed Well. Agency will convert this failed production well to a static monitoring well for acquisition of water level measurements.

**Budget.** The Agency has evaluated the financial impact of the requested changes and now estimates the Project will still exceed the grant award of \$500,000. Therefore, the Agency requests consideration for an increase in the grant award to cover the added costs. The actual well drilling, construction and testing bids will be received before the end of Q1/2023.

**Schedule Adjustment.** The Agency ran into significant delays with its design consultant due to staffing shortages especially in the area of electrical design. In fact, the Agency split off the well drilling, construction and testing work from the electrical design in mid-2022 in order to get the project out to bid. The current Planned End Date for the grant is September 30, 2023. The Agency requests a revised End Date later than *September 30, 2023*.

If you have any further questions or require additional clarification, please do not hesitate to contact me at (760) 364-2315.

Sincerely,



Marina D. West, PG  
General Manager

Enclosures:

1. Notice Inviting Bids PWC 22-001 Goat Mtn. Replacement Well w/ Engineers' Estimate
2. Jubilee Mutual Water Company Production Well Bid Summary 12/15/2022



**Page 9 of 34**  
**NOTICE INVITING SEALED PROPOSALS (BIDS)**

**CONTRACT NO. PWC22-01**  
**Replacement Production Well for Goat Mountain System**

NOTICE IS GIVEN sealed proposals will be received by the Bighorn-Desert View Water Agency (Agency), at its office at 622 Jemez Trail, Yucca Valley, California, until 05 January 2023 at 2:00 p.m. for furnishing the work described in the contract documents. Proposals will then and there be opened and publicly read aloud. Proposals received after the time announced for the opening will not be considered. A non-mandatory pre-bid meeting will be held at the project site, starting at 4:00 p.m. on 15 December 2022.

Funding for this project has been provided in full or in part from the Water Quality, Supply, and Infrastructure Improvement Act of 2014 and through an agreement with the State Department of Water Resources.

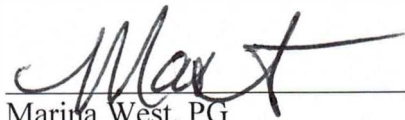
Sets of contract documents may be obtained from the Engineer of the Agency at no charge via email ([lidia.derosa@nv5.com](mailto:lidia.derosa@nv5.com)). Requesting entity shall, in advance of receiving the contract documents, provide information for the plan holders list, which shall be the sole means of contacting the requesting entity, and will be published by the Agency from time to time prior to the bid opening date.

**The Engineer's estimate of probable construction cost is \$571,000.** The contract duration shall be 70 calendar days following the effective date of the full Notice to Proceed.

The Agency may reject proposals and waive irregularities or informalities in any of the proposals. Each proposal shall be submitted only on the prescribed proposal form included with the contract documents.

The successful bidder is required to pay prevailing wages as determined by the Division of Industrial Relations. A copy of the Division's wage determinations is available for inspection at the Agency's headquarters. Any excavation five feet or deeper requires the submission of a separate shoring plan and an itemized bid. In all respects the successful bidder shall comply with requirements of law pertaining to public work contracts.

Dated: November 30 2022

  
\_\_\_\_\_  
Marina West, PG  
General Manager

Jubilee Mutual Water Company  
 SWRCB DFA FA No.: 000000000D2002009  
 Project 6A - Well No. 5 Drilling - Bid Results  
 December 15, 2022  
 NV5 Job No.: 227521-0001100.01

Bid Item	Item Description	Quantity	Unit	South West Pump & Drilling, Inc.		Fain Drilling and Pump Co., Inc.	
				Unit Price (\$/Unit)	Total Price (\$)	Unit Price (\$/Unit)	Total Price (\$)
1	Mobilization, Demobilization, Bonding, and Insurance	1	LS	325,000	325,000	60,000	60,000
2	Sheeting, Shoring and Bracing	1	LS	-	-	-	-
3	Temporary Conductor Casing (Optional)	1	LS	-	-	1,500	1,500
4	Drill a 6-inch Diameter (Minimum) Test Hole	800	VF	125	100,000	120	96,000
5	Test Hole Geophysics, Reamed Hole Caliper Survey, and Completed Well Plumbness and Alignment Tests	1	LS	40,000	40,000	25,000	25,000
6	Discrete Zone Sampling	3	EA	30,000	90,000	70,000	210,000
7	Ream to 30-Inch (Minimum) Surface Borehole and Install 24-inch Surface Conductor Casing and Sanitary Seal	100	VF	1,500	150,000	550	55,000
8	Ream Test Hole to 22-Inch (Minimum) Borehole	610	VF	125	76,250	120	73,200
9	Furnish/Install 10-inch Copper Bearing Steel Well Casing	200	VF	150	30,000	150	30,000
10	Furnish/Install 10-inch Stainless Steel Well Casing	225	VF	425	95,625	240	54,000
11	Furnish/Install 10-inch Stainless Steel Louvered Well Screen	160	VF	515	82,400	300	48,000
12	Furnish/Install Gravel Pack	180	VF	75	13,500	135	24,300
13	Furnish/Install 30 Mesh Sand and Bentonite Chips Transition Seals	30	VF	200	6,000	130	3,900
14	Furnish/Install Cement Grout Well Annulus	400	VF	100	40,000	50	20,000
15	Furnish/Install 10-inch Stainless Steel Well Sump and Bullnose Bottom Cap	15	VF	525	7,875	266	3,990
16	Well Development with Rig	30	HR	750	22,500	1,400	42,000
17	Install/Remove Test Pump	2	LS	20,000	40,000	9,300	18,600
18	Well Development with Test Pump	32	HR	450	14,400	550	17,600
19	Step Drawdown Test with Test Pump	8	HR	450	3,600	550	4,400
20	Constant Rate Test with Test Pump	24	HR	450	10,800	550	13,200
21	Video Log Inspection	1	LS	3,000	3,000	5,000	5,000
22	Disinfection	1	LS	15,000	15,000	3,000	3,000
23	Mud and Water Disposal	1	LS	50,000	50,000	100,000	100,000
24	Furnish/Install Temporary Steel Well Cap	1	LS	2,000	2,000	1,500	1,500
25	Construct Temporary Concrete Well Pad	1	LS	20,000	20,000	5,000	5,000
26	Furnish and Install Fencing and Gates	1	LS	15,000	15,000	30,000	30,000
27	Well Abandonment (if necessary)	610	VF	60	36,600	17	10,370
28	Test Hole Abandonment Below 610 Feet bgs (if necessary)	190	VF	50	9,500	42	7,980
<b>Total (Items 1-28)</b>				1,299,050		963,540	

**Notes**

The corrected total bid proposal for Fain Drilling Pump and Co., Inc. is \$963,540, compared to \$823,540 presented in the submitted bid dated December 12, 2022. Bid Item No. 6 (Discrete Zone Sampling) results in \$210,000 by multiplying the quantity of 3 each by the presented unit price of \$70,000/each, compared to the total of \$70,000 in the submitted bid.

Actual Bids Received for GM Well Project



**Bighorn-Desert View Water Agency**  
**Replacement Well for Goat Mountain System**  
**DWR Agreement No. 4600013807, Project 6**  
 Bid Opening Date of 09 February 2023

Bid Opening Date of 09 February 2023				Abundant Water Wells, Inc.			South West Pump & Drilling, Inc.			Unit Bid Price			
				All Base Bid Items		Excl. Optional Base Bid Items	All Base Bid Items		Excl. Optional Base Bid Items				
				Bid Item	Item Description	Unit	Estimated Quantity	Unit Bid Price	Item Price	Excl. Optional Base Bid Items	Unit Bid Price	Item Price	Excl. Optional Base Bid Items
1	Mobilization, Demobilization, Bonding, and Insurance	LS	1		\$35,075	\$35,075		\$30,000	\$30,000		\$30,000	\$32,538	\$35,075
2	Sheeting, Shoring and Bracing	LS	1		\$2,500	\$2,500		\$0	\$0		\$0	\$1,250	\$2,500
3	Mud and Water Disposal	LS	1		\$25,000	\$25,000		\$10,000	\$10,000		\$10,000	\$17,500	\$25,000
4	32-inch (Minimum) Surface Borehole and Install 26-inch Surface Conductor Casing and Sanitary Seal	VF	80		\$500	\$40,000		\$1,800	\$144,000		\$500	\$1,150	\$1,800
5	Drill a 6-inch Diameter (Minimum) Test Hole	VF	600		\$200	\$120,000		\$100	\$60,000		\$100	\$150	\$200
6	Sample Acquisition Below 500'	LS	1		\$45,000	\$45,000		\$10,000	\$10,000		\$10,000	\$27,500	\$45,000
7	Test Hole Geophysics	LS	1		\$6,500	\$6,500		\$25,000	\$25,000		\$6,500	\$15,750	\$25,000
8	Ream Test Hole to 24-Inch (Minimum) Borehole	VF	520		\$250	\$130,000		\$100	\$52,000		\$100	\$175	\$250
9	Reamed Hole Caliper Survey	LS	1		\$6,500	\$6,500		\$10,000	\$10,000		\$6,500	\$8,250	\$10,000
10	Well Plumbness Testing	LS	1		\$4,500	\$4,500		\$3,000	\$3,000		\$3,000	\$3,750	\$4,500
11	Furnish/Install 12-inch Stainless Steel Well Sump and Bulnrose Bottom Cap	VF	15		\$276	\$4,140		\$400	\$6,000		\$276	\$338	\$400
12	Furnish/Install 12-inch Stainless Steel Well Casing	VF	383		\$225	\$86,175		\$355	\$135,965		\$225	\$290	\$355
13	Furnish/Install 12-inch Stainless Steel Louvered Well Screen	VF	100		\$290	\$29,000		\$436	\$43,600		\$290	\$363	\$436
14	Furnish/Install Gravel Pack	VF	130		\$160	\$20,800		\$85	\$11,050		\$85	\$123	\$160
15	Furnish/Install 30 Mesh Sand and Bentonite Chips Transition Seals	VF	15		\$120	\$1,800		\$150	\$2,250		\$120	\$135	\$150
16	Furnish/Install Cement Grout Well Annulus	VF	350		\$25	\$8,750		\$90	\$31,500		\$25	\$58	\$90
17	Well Alignment Testing	LS	1		\$6,500	\$6,500		\$5,000	\$5,000		\$5,000	\$5,750	\$6,500
18	Well Development with Rig	HR	30		\$750	\$22,500		\$800	\$24,000		\$750	\$775	\$800
19	Install/Remove Test Pump	LS	1		\$5,000	\$5,000		\$17,000	\$17,000		\$5,000	\$11,000	\$17,000
20	Well Development with Test Pump	HR	32		\$750	\$24,000		\$350	\$11,200		\$350	\$550	\$750
21	Step Drawdown Test with Test Pump	HR	8		\$750	\$6,000		\$350	\$2,800		\$350	\$550	\$750
22	Constant Rate Test with Test Pump	HR	24		\$750	\$18,000		\$350	\$8,400		\$350	\$550	\$750
23	Video Log Inspection	LS	1		\$2,500	\$2,500		\$2,500	\$2,500		\$2,500	\$2,500	\$2,500
24	Furnish/Install Permanent Well Head and Sounding Tube	LS	1		\$8,200	\$8,200		\$3,000	\$3,000		\$3,000	\$5,600	\$8,200
25	Disinfect Well	LS	1		\$500	\$500		\$10,000	\$10,000		\$500	\$5,250	\$10,000
26	Well Abandonment (If necessary)	VF	520		\$20	\$10,400		\$10	\$5,200		\$10	\$15	\$20
27	Test Hole Abandonment Below 520 Feet bgs (If necessary)	VF	80		\$100	\$8,000		\$1	\$80		\$1	\$51	\$100
28	Remove GM Well No. 2 Well House and Mechanical Systems, and Abandon/Remove Discharge Pipeline	LS	1		\$16,000	\$16,000		\$25,000	\$25,000		\$16,000	\$20,500	\$25,000
29	Destroy GM Well No. 2	LS	1		\$15,000	\$15,000		\$25,000	\$25,000		\$15,000	\$20,000	\$25,000
Total Bid (Items 1-29)					\$708,340	\$613,940		\$713,545	\$648,265				



Item 2. Information Related to the Status Update - Meter Replacement Project





**Bighorn-Desert View Water Agency**

**Board of Directors**

John Burkhart, President  
JoMarie McKenzie, Vice President  
Megan Close-Dees, Secretary  
Craig Dicht, Director  
David Chapman, Director



**Agency Office**

622 S. Jemez Trail  
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Marina D West, P.G., General Manager

[www.bdvwa.org](http://www.bdvwa.org)

**A Public Agency**

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January 20, 2023

Laura Kleeman  
Financial Analyst II  
Coachella Valley Water District  
P.O. Box 1058  
Coachella, CA 92236  
[LKleeman@cvwd.org](mailto:LKleeman@cvwd.org)

RE: Funding Agreement Number 4600012245 Letter of Justification to Modify Project 18 Work Plan. Budget and Schedule

Dear Ms. Kleeman:

Bighorn-Desert View Water Agency (BDVWA/Agency) has received grant funds as part of the Integrated Regional Water Management (IRWM) Colorado River Funding Area (CRFA) Urban and Multibenefit Drought Relief Grant in response to the submitted Funding Assistance Application, and in accordance with Funding Agreement Number 4600012245.

Funding is for BDVWA Project 18, Residential Water Meter Replacement Program (Project). The Project has proceeded to engineering design, and the associated public works contract phase was to begin within the first quarter of 2023. One initial step was to obtain up-to-date cost estimates. It is common knowledge that there have been significant increases in construction costs for materials and labor due to supply chain shortages, inflation, labor shortages from the COVID-19 pandemic, and prevailing wage labor rates. The updated estimate is far greater than initially proposed.

It was determined that contracted, prevailing wage labor cost escalation is the most significant barrier to completing the Project with the funds provided. The Agency's engineer, Provost & Pritchard, has prepared the attached memorandum dated January 11, 2023 to support this claim.

**Recipient of the 2015 Association of California Water Agencies  
Clair A. Hill Agency Award for Excellence**

The Agency has identified the following two changes necessary to significantly reduce the overall cost and still meet the intended objective:

1. Approval of a shift from utilization of public works contract procurement methods to direct reimbursement of Agency in-house staff resources; and
2. Provide maximum extension of time to allow Agency staff to complete the Project while still completing their regular system operation duties.

**Work Plan.** The Agency has reviewed the Grant Deliverables and requests the following change in the Work Plan, which will reduce the overall Project cost and still meet the Project objective to replace approximately 1,075 “meters to enable users to better understand and control their water usage:”

1. Modify Task 7: Design: Change from Public Works Contract oriented execution to using in-house personnel.

Change, “The meter locations ... and would be replaced on the existing water service line by a contractor” to read, “The meter locations ... by Agency personnel, tools and equipment.”

Change “contractor will develop the contract and prepare minimal specifications as needed...” to read, “existing agency engineer, Provost & Prichard, to develop the minimum specification necessary for the direct procurement by the Agency of the materials needed to complete the Project using Agency personnel, tools and equipment.

Add the following Deliverables:

- Request for Quote for Materials/Supplies (to procure meters and appurtenances (check valves, customer ball valves, etc.) in accordance with Agency Purchasing Policy (Attached)
- Proof of Advertisement/Solicitation of Vendors
- Award of Purchase Order

2. Modify Task 9: Contract Services: Delete this section as no Contract Services will be utilized.
3. Modify Task 10: Construction Administration – Modify language accordingly to remove reference to managing contractor. BDVWA staff will install the meters to Agency standards rather than perform field inspections.

No Change in deliverables specified.

**Budget.** The Agency has evaluated the financial impact of the requested changes and now estimates the Project can be completed within the grant funding awarded allowing the Agency to complete this important project. The Agency acknowledges that any additional costs will be borne by the Agency unless a budget adjustment is requested and approved by the Grantor. The

following presents the grant amount detail for Budget Category (d) Construction/Implementation:

<b>Project totals Meters only and 30% w/ extra parts.</b>	
Agency Labor (Meter Only)	\$ 41,939
Agency Labor (Meters + Extra Parts)	\$ 45,119
All Materials Estimate	\$ 189,873
Total	\$ 276,932
Engineering Services Allowance	\$ 21,104
<b>Total Revised Budget</b>	<b>\$ 298,036</b>

**Schedule Adjustment.** The Agency originally envisioned utilizing “public works” contracting processes to complete the Project in the first half of 2023. However, in order to significantly reduce the Project costs and still meet the intended objectives, the Agency will need to use its own staff resources. Therefore, a time extension is required to complete the Project. The Agency is requesting the maximum extension allowed so the Project can proceed without any further delays in obtaining change approvals. The current Planned End Date is May 31, 2023. The Agency requests a revised End Date of *March 30, 2025*.

In summary, the requested changes in the Work Plan and Schedule will allow efficient use of grant funding and additional time so that the Agency personnel can be utilized to complete the same objective of replacing approximately 1,075 water meters, with approximately 30% additional downstream components, “to provide back flow protection and reduce future potential water loss per hour in the event of an emergency.”

If you have any further questions or require additional clarification, please do not hesitate to contact me at (760) 364-2315.

Sincerely,



Marina D. West, PG  
General Manager

Enclosures: Provost & Pritchard – Memorandum Water Meter Replacement Project –  
Construction Budget  
Agency Resolution No. 17R-06 Purchasing Policy

## Memorandum

**To:** Marina West, Bighorn-Desert View Water Agency

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**From:** Liz Varner and Jeane Hill, Provost and Pritchard Consulting Group

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**Subject:** Water Meter Replacement Project- Construction Budget

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**Date:** January 11, 2023

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Bighorn-Desert View Water Agency (BDV) has currently received grant funds as part of the Integrated Regional Water Management (IRWM) Colorado River Funding Area (CRFA) Urban and Multibenefit Drought Relief Grant in response to the submitted Funding Assistance Application, Funding Agreement Number 4600012245. The amount of meters that were planned to be replaced under the current funding agreement is approximately 1,075 meters. The total grant funding awarded for the project is \$298,036.00. The funding for the project was developed and approved in 2017. Since then, there have been significant increases in construction costs for materials and labor due to supply chain shortages, inflation, labor shortages from COVID-19 pandemic, and labor rates.

To provide an idea of how the costs have been impacted, P&P reviewed recent bids and also called general contractors to request current budgetary-level construction cost information. Attached are the budgetary-level cost estimate breakdowns received from two general contractors for the installation of the meters. As noted in the cost estimates, there were two separate material costs obtained for the standard Zenner Multijet meters from Inland Waterworks of San Bernardino and iFlow of Santa Ana.

The first cost estimate from Sierra Construction, Inc. provides a breakdown for the entire project which includes meter replacement installations on all 1,026 service connections, meter box replacement installations on 80 percent of the service connections, and angle meter stops and related plumbing on 45 percent of the service connections. Prevailing wage labor rates, travel, and per diem expenses are included.

The second cost estimate from Golden Meter Services is for meter and meter box installations only. It includes meter replacement installations on all 1,026 service connections and meter box replacement installations on 80 percent of the service connections. It does not include any costs for angle meter stops, check valves, or other plumbing.

As indicated in these cost estimates, additional funding will be needed to cover the entire project as conceived. We recommend BDV work with the funding agency to determine if additional funding is available or if the scope of the project can be modified to provide similar conservation and energy benefits at a lower cost. Some potential modifications include pre-purchasing meters to save on contractor markup and installing meters using agency staff, recognizing that a schedule extension would be required to allow time for agency staff to install the meters while still completing their regular system operation duties.

Bighorn-Desert View Water Agency  
 Water Meter Replacement Project  
 Budgetary Level Cost Estimate - Sierra Construction

	Quantity	Unit Cost (Inland)	Unit Cost (IFlow)	Total Cost (Inland)	Total Cost (IFlow)
3/4" Multijet Meter (includes 7.75% tax) <sup>5</sup>	604 \$	63.08 \$	91.00 \$	38,098.81 \$	54,964.00 \$
1" Multijet Meter (includes 7.75% tax) <sup>5</sup>	421 \$	94.08 \$	115.00 \$	39,606.63 \$	48,415.00 \$
Meter box with lid (includes 7.75% tax) <sup>3</sup>	780 \$	57.08 \$		44,520.45 \$	44,520.45 \$
Meter installation only <sup>1</sup>	577 \$	275.00 \$		158,675.00 \$	158,675.00 \$
Meter installation with angle meter stop <sup>2</sup>	448 \$	1,450.00 \$		649,600.00 \$	649,600.00 \$
2-man crew per diem <sup>4</sup>	13 \$	1,500.00 \$		19,181.25 \$	19,181.25 \$
Supervisor per diem <sup>4</sup>	13 \$	300.00 \$		3,836.25 \$	3,836.25 \$
2-man crew travel <sup>4</sup>	104 \$	225.00 \$		23,400.00 \$	23,400.00 \$
Supervisor travel <sup>4</sup>	104 \$	175.00 \$		18,200.00 \$	18,200.00 \$
	Total			995,118.39 \$	1,020,791.95 \$

Notes

1. Prevailing Wage Labor for meter installation only. Unit cost does not include material cost for meter, meter box, or plumbing
2. Prevailing Wage Labor for meter and angle meter stop installation only. Unit cost does not include material cost for meter, meter box, or plumbing or labor cost for cutting into road for corp stop
3. Meter Box Material Cost quoted by Inland Waterworks-San Bernardino
4. Source: Travel and Per Diem Cost-Cody Pruitt, Sierra Construction, Inc.
5. Meter Material Cost quoted by Inland Waterworks-San Bernardino and IFlow-Santa Ana

Bighorn-Desert View Water Agency  
 Water Meter Replacement Project  
 Budgetary Level Cost Estimate - Golden Meters Service

	Quantity	Unit Cost (Inland)	Unit Cost (iFlow)	Total Cost (Inland)	Total Cost (iFlow)
3/4" Multijet Meter (includes 7.75% tax) <sup>3</sup>	604	\$ 63.08	\$ 91.00	\$ 38,098.81	\$ 54,964.00
1" Multijet Meter (includes 7.75% tax) <sup>3</sup>	421	\$ 94.08	\$ 115.00	\$ 39,606.63	\$ 48,415.00
Meter box with lid (includes 7.75% tax) <sup>2</sup>	780	\$ 57.08	\$	\$ 44,520.45	\$ 44,520.45
Meter installation only <sup>1</sup>	1025	\$ 215.00	\$	\$ 220,375.00	\$ 220,375.00
Meter Box Installation only <sup>4</sup>	780	\$ 175.00	\$	\$ 136,500.00	\$ 136,500.00
		Total	\$	\$ 479,100.89	\$ 504,774.45

1. Prevailing Wage Labor for meter installation only provided by Golden Meters Installations. Unit cost does not include material cost for meter, meter box, or plumbing
2. Meter Box Material Cost quoted by Inland Waterworks-San Bernardino
3. Meter Material Cost Only - Quoted from Inland Water Works-San Bernardino and iFlow-Santa Ana
4. Prevailing Wage Labor for meter box installation only provided by Golden Meters Installations. Unit cost does not include material cost for meter, meter box, or plumbing

RESOLUTION NO. 17R-06

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
BIGHORN-DESERT VIEW WATER AGENCY  
ADOPTING A REVISED PURCHASING AUTHORITY POLICY**

**WHEREAS**, the Agency previously adopted Policy Statement No. 04P-02 which established a purchasing authority policy which sets forth the authority and restrictions on the procurement of goods and services; and

**WHEREAS**, it is in the best interests of this Agency that it maintain limits, restrictions and procedures in a purchasing authority policy; and

**WHEREAS**, the guidelines set forth within the Purchasing Policy are not intended to address every issue, exception, or contingency may arise in the course of purchasing activities; and

**WHEREAS**, the basic standard that should always prevail is to exercise good judgement in the use and stewardship of Agency resources, including keeping within the budget authorized by the Board of Directors; and

**WHEREAS**, the Board desires to update and revise the Agency's purchasing authority policy.

**NOW, THEREFORE, BE IT RESOLVED**, that the Board of Directors of the Agency do hereby authorize the following:

1. Adoption of Purchasing Authority Policy. The Board of Directors does hereby adopt a policy of authority, limits, restrictions, and procedures regarding the purchase of goods, services and public works projects by the District as set forth in that certain Purchasing Authority Policy ("Policy") attached hereto as Exhibit "A" and incorporated herein by this reference.

2. Purchases Subject to Budgetary Amounts and Authorization. The authority, limits, restrictions and procedures set forth in said Policy shall be subject to any and all applicable annual budgetary amounts and other authorizations as may be imposed by the Board from time to time.

3. Policy Shall Be Controlling Over Previous Policies. As of the effective date of this Resolution, the Policy shall be deemed to be controlling over, and shall otherwise supersede, the policy adopted by way of Policy Statement No. 04P-02 and any and all other previous purchasing authority policies that may conflict with, or be contrary to, the Policy. As of the effective date of this Resolution, the policy adopted by way of Policy Statement 04P-02 shall be of no further force or effect.

4. Severability. If any provision in this Resolution or Policy, or the application thereof to any person or circumstances, is for any reason held invalid, the validity of the remainder of this Resolution and Policy, or the application of such provisions to other

persons or circumstances shall not be affected thereby. The Board hereby declares that it would have passed this Resolution and Policy and each provision thereof, irrespective of the fact that one or more sections, subsections, sentences, clauses or phrases or the application thereof to any person or circumstance be held invalid.

5. Effective Date. This Resolution shall become effective upon the date of adoption as set forth herein.

6. Incorporation of Recitals. The Recitals set forth above are incorporated herein and made an operative part of this Resolution.

**PASSED, APPROVED, AND ADOPTED** by the Board of Directors to Bighorn-Desert View Water Agency this 28th day of February 2017.

By J. Larry Coulombe  
J. Larry Coulombe, Board President

Attest:

Judy Corl-Lorono  
Judy Corl-Lorono, Board Secretary





# Purchasing Policy

Resolution 17R-06 Exhibit "A"

**Bighorn-Desert View  
Water Agency**

**622 S. Jemez Trail, Yucca  
Valley CA 92284**

**760-364-2315**

**[www.bdvwa.org](http://www.bdvwa.org)**

**Resolution 17R-06 Exhibit "A"**



Item 4. Table - Status of All Grants



Item 4. Table - Status of All Grants REVISED

STATUS OF AGENCY GRANTS

2/17/2023

Funds Authorization	Grantor - Funding source or program	Agreement No./ Project No.	Grant Awarded/Executed	Award Amount	Funding Purpose	Status	Next Steps	Grant Expiration	Spent	% Complete	Match Requirements (Does the Grant require matching funds? )
Proposition 1 Water Bond 2014	SWRCB-Prop. 1 Planning (thru MWA SWS Program)/IRWMP)	D17-02022/ 361009-002P	9/7/2017	\$ 500,000	Planning Grant to develop Engineering Report and Preliminary Design, CEQA, cost estimates for infrastructure needs of the Agency including physical consolidation of BDV and Goat Mtn. and concludes w/application for construction funding.	Construction grant application submitted 12/2021. 12/2022 - initial conversations regarding "legal opinion letter" and BOD approval of funding Agreement for \$11,000,000.	Awaiting award of construction funds to proceed which closes the grant.	Extended thru construction application process		98% No	
2016 Proposition 1 Integrated Regional Water Management Plan Disadvantaged Community Involvement Grant CA Water Code Sec. 79740 et. seq.	DWR DACI - Uranium Treatment Alternatives (thru MWA SWS Program)/IRWMP)	4600012245	1/23/2019	\$ 50,000	Uranium Treatment Alternatives project was an investigation of the uranium concentrations throughout the water column in Agency wells 3 and 4. The information would be helpful in determining the actual Uranium concentration in the water at different depths.	The study concluded that Uranium levels at the bottom of the deepest, youngest groundwater production well remain elevated at 19 pCi /L (20 pCi/L being the current MCL).	COMPLETE	COMPLETE		100%	No, but out of pocket costs \$12,500 plus personnel
Department of Water Resources Prop. 1 Round 1 IRWM Implementation Grant (Prop. 1 2014)	GM Replacement Well (thru MWA SWS Program)/IRWMP)	4600013807	2/8/2021	\$ 500,000	Replaced GM Well No. 2 which "Failed" in XX. Well inspection revealed casing was compromised and too shallow to repair.	Notice inviting Bids has been advertized. Current bid due date is Feb. 2, 2023.	Recent bids from similar projects have shown to be 2X estimated cost. Portions of work are being eliminated or modified to reduce costs. Time extensions and program modifications will be submitted to the grantor.	6/30/2023	\$ 10,571	2.11%	No, but Agency must cover all costs above grant amount.
2016 Proposition 1 Integrated Regional Water Management Plan Disadvantaged Community Involvement Grant CA Water Code Sec. 79740 et. seq.	DWR DACI - Drought Round (thru MWA SWS Program)/IRWMP) - "Water Meter Replacement Program- Drought Grant" & MOU IRWM Colorado River Basin Funding Area	4600012245	4/12/2022 - but BDVWA not notified until 10/5/2022	\$ 298,036	Meter replacement program to more accurately measure consumption and thus encourage conservation by customer. Reduced consumption equates to lower power costs as well.	At the time of the grant application process the Agency proposed to replace its oldest water meters (circa 2008) and estimated there were 1,075. Our cost estimate was approximately \$300,000. Since the application and acceptance of award, the project costs have escalated to \$1M most of which is prevailing wage labor. The project engineer, Provost & Pritchard are processing the required CEQA.	File CEQA. Staff has assessed the various ways to complete the project at a lower cost and still meet the objective. Staff intends to request a program change to include a time extension (2025) and reimbursement for in-house labor. Staff has already initiated staff recruitment for an existing vacancy.	5/31/2023			At least \$5,000 and any overage.
Department of Water Resources Prop. 1 Round 2 IRWM Implementation Grant (Prop. 1 2014)	MWA Round 2 IRWMP Implementation Grants		Verbal award in 2022	\$675,000	Provides funding towards the 2nd Emergency Intertie and Water Transfer Pipeline between BDV and HDWD at Winters Rd. and Rainbow. Project was part of BDVWA's Final Planning Grant Engineering Report (PER). Funding distributed and administered through MWA to SWS such as BDVWA.	1/12/2023 MWA passed resolution to authorize execution of the grant. Thereafter, BDVWA will receive notice to proceed.	RFP for engineering services to finalize design, acquire easements and move to construction phase.	Unknown			No
SWRCB, Sec. 79724 Water Code & SWRCB Resolution No. 2022-0041, SB 129 ref. Budget Act 2021, Provision 1	SWRCB Prop. 1	Agreement No. D2102065/ Proj. No. 3610009-002C Potable Water System Improvements Consolidation of Water Systems	Agreement Executed by BDVWA on 2/15/2023	\$ 11,000,000	The Engineering Report supported a construction application for a majority of the projects identified therein. Primarily the physical intertie of the BDV and GM water systems and the XX mile pipeline to bring fresh water from the east side of Pipe's Wash to the west side to blend with high uranium. There are a number of other refurbishment projects including a booster pump station and tank rehabilitation.	Construction grant application submitted 12/2021. 12/2022 - initial conversations regarding "legal opinion letter" and BOD approval of funding Agreement for \$11,000,000. At the December meeting between Agency Legal Counsel and SWRCB legal counsel revealed the primary concern to be status of easements. BOD approved execution of Agreement. Staff is proceeding to secure R/W services.	Submit Legal Opinion Letter to finalize the execution of Agreement; await execution by SWRCB. Solicit RFQ/RFP for acquisition of easements. Determine next steps for final engineering design. Initiate Phase I work.				TBD - May have to pursue funds to complete the project. Agency has "verbal" commitment from USDA for loan to bridge difference, if needed.



Originally Posted Agenda Item 4.  
Status of All Grants  
  
(missing first 3 Columns)

2/17/2023									
Grant Awarded/Executed	Award Amount	Funding Purpose	Status	Next Steps	Grant Expiration	Spent	% Complete	Match Requirements (Does the Grant require matching funds? )	
9/7/2017	\$ 500,000	Planning Grant to develop Engineering Report and Preliminary Design, CEQA, cost estimates for infrastructure needs of the Agency including physical consolidation of BDV and Goat Mtn. and concludes w/application for construction funding.	Construction grant application submitted 12/2021. 12/2022 - initial conversations regarding "legal opinion letter" and BOD approval of funding Agreement for \$11,000,000.	Awaiting award of construction funds to proceed which closes the grant.	Extended thru construction application process		98%	No	
1/23/2019	\$ 50,000	Uranium Treatment Alternatives project was an investigation of the uranium concentrations throughout the water column in Agency wells 3 and 4. The information would be helpful in determining the actual Uranium concentration in the water at different depths.	The study concluded that Uranium levels at the bottom of the deepest, youngest groundwater production well remain elevated at 19 pCi /L (20 pCi/L being the current MCL).	COMPLETE	COMPLETE		100%	No, but out of pocket costs \$12,500 plus personnel	
2/8/2021	\$ 500,000	Replaced GM Well No. 2 which "failed" in XX. Well inspection revealed casing was compromised and too shallow to repair.	Notice Inviting Bids has been advertized. Current bid due date is Feb. 2, 2023.	Recent bids from similar projects have shown to be 2X estimated cost. Portions of work are being eliminated or modified to reduce costs. Time extensions and program modifications will be submitted to the grantor.	6/30/2023	\$ 10,571	2.11%	No, but Agency must cover all costs above grant amount.	
4/12/2022 - but BDVWA not notified until 10/5/2022	\$ 298,036	Meter replacement program to more accurately measure consumption and thus encourage conservation by customer. Reduced consumption equates to lower power costs as well.	At the time of the grant application process the Agency proposed to replace its oldest water meters (circa 2008) and estimated there were 1,075. Our cost estimate was approximately \$300,000. Since the application and acceptance of award, the project costs have escalated to \$1M most of which is prevailing wage labor. The project engineer, Provost & Pritchard are processing the required CEQA.	File CEQA. Staff has assessed the various ways to complete the project at a lower cost and still meet the objective. Staff intends to request a program change to include a time extension (2025) and reimbursement for in-house labor. Staff has already initiated staff recruitment for an existing vacancy.				At least \$5,000 and any overage.	
Verbal award in 2022	\$675,000	Provides funding towards the 2nd Emergency Intertie and Water Transfer Pipeline between BDV and HDWD at Winters Rd. and Rainbow. Project was part of BDVWA's Final Planning Grant Engineering Report (PER). Funding distributed and administered through MWA to SWS such as BDVWA.	1/12/2023 MWA passed resolution to authorize execution of the grant. Thereafter, BDVWA will receive notice to proceed.	RFP for engineering services to finalize design, acquire easements and move to construction phase.	Unknown			No	
Agreement Executed by BDVWA on 2/15/2023	\$ 11,000,000	The Engineering Report supported a construction application for a majority of the projects identified therein. Primarily the physical intertie of the BDV and GM water systems and the XX mile pipeline to bring fresh water from the east side of Pipe's Wash to the west side to blend with high uranium. There are a number of other refurbishment projects including a booster pump station and tank rehabilitation.	Construction grant application submitted 12/2021. 12/2022 - initial conversations regarding "legal opinion letter" and BOD approval of funding Agreement for \$11,000,000. At the December meeting between Agency Legal Counsel and SWRCB legal counsel revealed the primary concern to be status of easements. BOD approved execution of Agreement. Staff is proceeding to secure R/W services.	Submit Legal Opinion Letter to finalize the execution of Agreement; await execution by SWRCB. Solicit RFQ/RFP for acquisition of easements. Determine next steps for final engineering design. Initiate Phase I work.	31-Mar-26	\$ -	0%	TBD - May have to pursue funds to complete the project. Agency has "verbal" commitment from USDA for loan to bridge difference, if needed.	





Item 5. Consent Calendar (1 Item)





## BIGHORN-DESERT VIEW WATER AGENCY

*Our Mission - "To provide a high quality supply of water and reliable service to all customers at a fair and reasonable rate."*

### Planning/Legislative/Engineering Grant & Security Standing Committee Meeting Minutes

Committee Members: President Burkhart & Director Close-Dees

**BOARD MEETING OFFICE**  
**1720 N. CHEROKEE TR.**  
**LANDERS, CALIFORNIA 92285**

**December 20, 2022**  
**Time – 9:30 A.M.**

PUBLIC AND BOARD WISHING TO PARTICIPATE REMOTELY

**\*\*TELECONFERENCE LINE THRU ZOOM 669-900-6833\*\***

OR

Join Zoom Meeting

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/84799203891?pwd=aGExamNiSmFod2ZMMGFHTFhJSWxzQT09>

Passcode: 483494

Or Dial:

1-669-900-6833

Webinar ID: 847 9920 3891

Passcode: 483494

### CALL TO ORDER

Chairman Burkhart called the meeting to order at 9:30 am.

### PLEDGE OF ALLEGIANCE

Led by John Burkhart.

### ROLL CALL

Directors present:                      John R. Burkhart  
                                                         Megan Close-Dees

Staff present:                              Marina West

Public Present: 0 member(s) of the public indicated they were participating via teleconference.  
0 members of the public were present in the meeting room.

### APPROVAL OF AGENDA

Director Burkhart and Director Close-Dees approved the agenda as presented.

### Discussion and Action Items -

#### 1. Status Update Goat Mountain Replacement Well, Destruction of GM Well 2 – Verbal Update

GM West reported that the Notice Inviting Bids for the drilling of the replacement well and destruction of the old well was published on November 30, 2022. The bids will be opened on

January 5, 2023. Recent bid opening revealed that bids are significantly higher than expected and Agency would have to cover all costs above the grant amount. The Board will be able to evaluate this prior to awarding the contract.

## **2. Status Update Water Meter Replacement Program (Drought Grant)**

GM West gave the staff report noting that field staff completed site-specific inventory of all meters needing replacement with a final count of 1,025. The information has been transmitted to the engineer who will complete the specifications for the project, prepare the environmental exemption and get the project out to bid in 2023.

## **3. Consent Items –**

- a. PLEGS Committee Special Meeting Minutes, **October 18, 2022.**

Recommended Action:

Approve as presented (Item a):

The Committee approved the October 18, 2022 meeting minutes as presented.

## **4. Public Comment Period**

None.

## **5. Verbal Reports - Including Reports on Courses/Conferences/Meetings**

1. Committee Members' Comments/Reports – None.
2. General Manager's Report – GM West noted that our new Assemblyman was at the Homestead Valley Community Council meeting on December 19, 2022. Assemblyman Tom Lackey's district was merged with Assembly Thurston Smith's district. In 2022, Assemblyman Lackey won the election and he will be our representative in the coming session.

## **6. Adjournment**

Chairman Burkhart adjourned the meeting at 10:17 am.

Approved by:

---

John Burkhart, Committee Chair

**Official Seal**