



# JOSHUA BASIN WATER DISTRICT

P.O. BOX 675 • 61750 CHOLLITA ROAD • JOSHUA TREE • CALIFORNIA 92252  
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JOSHUA BASIN WATER DISTRICT  
SPECIAL MEETING OF THE BOARD OF DIRECTORS  
WEDNESDAY DECEMBER 9, 2009, 7:00 PM  
61750 CHOLLITA ROAD, JOSHUA TREE, CA 92252

## AGENDA

- |             |  |
|-------------|--|
|             | 1. CALL TO ORDER   |
|             | 2. PLEDGE OF ALLEGIANCE  |
|             | 3. DETERMINATION OF QUORUM   |
|             | 4. APPROVAL OF AGENDA  |
|             | 5. PUBLIC COMMENT  |
|             | 6. CONSENT CALENDAR  |
| Pages 1-2   | A. Approve Minutes of the Special Meeting of November 18, 2009   |
| Pages 3-6   | B. Approve Minutes of the Regular Meeting of November 18, 2009   |
| Pages 7     | C. Approve revision in cafeteria plan for MSE unit   |
| Pages 8-10  | D. Approval of Resolution 09-853 to correct typographical error  |
| Page 11     | 7. SELECTION OF BOARD OFFICERS<br>Recommend that the Board select President and Vice President for the 2010 year.  |
| Pages 12-15 | 8. WELL 17 BIOLOGICAL WATER QUALITY REPORT FOLLOW-UP<br>Recommend that the Board authorize a contract with Bakersfield Well and Pump Company to perform the Well 17 super chlorination and well cleanup for \$29,212.00                  |
| Page 16     | 9. STATUS OF WELL 16 EQUIPPING AND REQUEST FOR WELL REHAB PRIOR TO PUMP INSTALLATION<br>Recommend that the Board authorize Bakersfield Well and Pump Company to treat and mechanically clean Well 16 at a cost not to exceed \$8,201.25. |
| Page 17     | 10. PURCHASE OF REPLACEMENT GIS COMPUTER<br>Recommend that the Board authorize purchase of budgeted replacement at a cost of about \$13,000.   |

11. PUBLIC COMMENT
12. GENERAL MANAGER REPORT
13. DIRECTOR COMMENTS/REPORTS
14. ADJOURNMENT

The Board of Directors reserves the right to take action on items reserved for discussion only.

INFORMATION

During either "Public Comment" Item, please use the podium microphone. State your name and have your information prepared and be ready to provide your comments to the Board. The District is interested and appreciates your comments. A 3-minute time limit may be imposed. Thank you.

Any person with a disability who requires accommodation in order to participate in this meeting should telephone Joshua Basin Water District at (760) 366-8438, at least 48 hours prior to the meeting in order to make a request for a disability-related modification or accommodation.

Materials related to an item on this Agenda submitted to the Board of Directors after distribution of the agenda packet are available for public inspection in the District's office located at 61750 Chollita Road, Joshua Tree, California 92252 during normal business hours.

**JOSHUA BASIN WATER DISTRICT**  
**Minutes of the**  
**SPECIAL MEETING OF THE BOARD OF DIRECTORS**  
**November 18, 2009**

1. **CALL TO ORDER** **6:18 PM**

2. **PLEDGE OF ALLEGIANCE**

3. **DETERMINATION OF QUORUM:** By roll-call:  
Gary Given Present  
Bill Long Present  
Mickey Luckman Present  
Mike Reynolds Present  
Gary Wilson Present

**STAFF PRESENT:** Joe Guzzetta, General Manager  
Susan Greer, Assistant GM/Controller  
Keith Faul, GIS Coordinator

**GUESTS:** **3**

4. **APPROVAL OF AGENDA**

MSC Long/Luckman 5/0 to approve the agenda for the November 18, 2009 Special Meeting of the Board of Directors.

MSC Luckman/Reynolds 5/0 to change the Item 7 before Item 6.

5. **PUBLIC COMMENT**

None.

7. **COMPUTER SOFTWARE FOR FIELD SERVICES**

The Board saw a webcast demonstration of new software for field operations which is purchased at no cost through a professional organization that the District is a member of.

The District would pay \$11,000 for installation, training and maintenance for four years.

Following the webcast discussion ensued, and the Board took the following action:

MSC Luckman/Long 4/1 to approve staff recommendation to authorize purchase of Computer Maintenance and Management System Software through the California Rural Water Association from SEMS Technology for no cost; authorize training and integration services at a cost of \$5,000; authorize maintenance fee of \$6,880 for four years which provides one year free; and authorize an additional \$3,500 for GIS compatibility software.

Given Aye

Long Aye

Luckman Aye

Reynolds Aye

Wilson No

Because the time was getting late and the Regular meeting was still to be held, the Board discussed continuing the Special meeting, and took the following action:

MSC Long/Reynolds 4/1 to continue the Special Meeting of November 18, 2009 to after the conclusion of the Regular Meeting of November 18<sup>th</sup> 2009.

Given	Aye
Long	Aye
Luckman	Aye
Reynolds	Aye
Wilson	No

**6. CLOSED SESSION**

The Special Meeting of November 18<sup>th</sup> 2009 was again called to order at 10:00 pm at which time the Board went to Closed Session. The Board returned to Open Session at 10:20 pm having taken no reportable action.

**8. ADJOURNMENT 10:20 PM**

MSC Luckman/Long 5/0 to adjourn the November 18<sup>th</sup> 2009 Special Meeting of the Board of Directors.

Respectfully submitted;

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Joe Guzzetta, General Manager

The next Regular Meeting of the Board of Directors is scheduled for December 2, 2009.

**JOSHUA BASIN WATER DISTRICT**  
**Minutes of the**  
**REGULAR MEETING OF THE BOARD OF DIRECTORS**  
**November 18, 2009**

1. **CALL TO ORDER** **7:00 PM**

2. **PLEDGE OF ALLEGIANCE**

3. **DETERMINATION OF QUORUM:** By roll-call:  
Gary Given Present  
Bill Long Present  
Mickey Luckman Present  
Mike Reynolds Present  
Gary Wilson Present

**STAFF PRESENT:** Joe Guzzetta, General Manager  
Susan Greer, Assistant GM/Controller  
Terry Spurrier, HR/Administrative Services Supervisor  
Keith Faul, GIS Coordinator  
Marie Salsberry, Executive Secretary

**GUESTS:** **7**

4. **APPROVAL OF AGENDA**

MSC Long/Luckman 5/0 to approve the agenda for the November 18, 2009 Regular Meeting of the Board of Directors.

5. **PUBLIC COMMENT**

Gary Lovelace of Joshua Tree commented on a document request made by a current Director; Mr. Lovelace also commented that people should not oppose recharge.  
Al Marquez of Joshua Tree commented opposing Mr. Lovelace's comments; he also commented that water from the State Water Project is not potable.

6. **CONSENT CALENDAR**

General Manager Guzzetta requested that item 6C of the Consent Calendar be pulled for discussion.

MSC Long/Luckman 5/0 to approve the minutes of the Regular Meeting of October 21, 2009; to approve the Financial Report for September 2009; to approve the Investment Policy; to authorize the Board President and General Manager to execute documents as necessary to acquire approximately 5,882.4 square feet of property at a cost of \$12,000 behind the District offices; to authorize write-off of two surplus meter reading units and disposal to Bighorn-Desert View Water Agency.

**6C. APPROVE HOLIDAY CLOSURES.**

GM Guzzetta reported, and the Board took the following action:

MSC Long/Reynolds 5/0 to offer employees one half day off with pay either on Christmas Eve or New Years Eve, and to close at noon on Christmas eve and on New Years Eve.

**7. RECOGNITION OF BOARD MEMBER FOR CERTIFICATE IN LOCAL GOVERNMENT LEADERSHIP AND MANAGEMENT**

President Given reported that Director Mickey Luckman completed the Special District Institute Leadership and Management Program and received her certificate. Director Luckman was applauded for the accomplishment and she commented that she received a huge amount of information that is worthwhile for the District.

**8. 08-09 AUDIT REPORT PRESENTATION FROM MESSNER & HADLEY**

Paul Messner of Messner & Hadley reported on the District’s audited financial statements for the fiscal year 2008-2009. Mr. Messner commended the accounting staff, noting that the audit process went well and took less time than last year. He reviewed the statements and noted that the District is in a strong position. Assistant General Manager/Controller Greer commended accounting staff Ben Ruffner, Anne Roman, Shirley Bolha and Patricia Freeman for their professionalism throughout the year. Following discussion the Board took the following action:

MSC Reynolds/Luckman 5/0 to approve the 08/09 Audited Financial Statements.

**9. TEMPORARY PUBLIC INFORMATION SERVICES**

GM Guzzetta reported that a local recruitment process had been completed with several excellent proposals being received. Staff recommendation after reviewing proposals and interviews is to retain Kathleen Radnich. Ad Hoc Public Information Committee members President Given and Director Luckman both commented that they felt Ms. Radnich is the best choice for the District.

MSC Given/Long 4/1 to approve the recommendation to authorize the General Manager to enter into an agreement with Kathleen Radnich for public information services for about six months at a cost estimate of \$25,000.

Given	Aye
Long	Aye
Luckman	Aye
Reynolds	Aye
Wilson	No

**10. PARTNERSHIP WITH HI-DESERT MEDICAL CENTER FOR WASTE WATER SERVICES**

GM Guzzetta reported that the Hi Desert Medical Center will be expanding and a package wastewater treatment plant will be needed. The county building is also planning expansion that would require a treatment plant and there is a possibility of serving both needs with one treatment plant. The District engineer is currently working with the hospital regarding future need for wastewater treatment.

**11. ORGANIZATION OF FIELD OPERATIONS**

GM Guzzetta reported that the recruitment effort for the Chief of Operations position was unsuccessful due to several factors. It was proposed that the two Lead Worker positions be reclassified to Supervisor. The Chief of Operations position would remain vacant for a two-year period. Field staff’s knowledge, training and responsibility has greatly increased over recent years, making this a good time to implement these changes. The proposed changes would result in a net savings of about \$100,000 for each of the next two fiscal years. Joe Bocanegra would also be available to consult with further training for these positions. Following discussion the board took the following action:

MSC Luckman/Long 4/1 to approve the following staff recommendations: Authorize a reclassification of the Water Operations and Maintenance Lead Worker to Distribution Supervisor; Authorize a reclassification of the Water Production Lead Worker to Water Production Supervisor; Adopt a salary range of \$62,950 to \$81,827 per year for the positions; approve updated job descriptions for the two positions; Ratify the intent of the General Manager not to fill the Chief of Operations position for at least the next two years, or until changes in operations or new economic development warrants filling of the position; Ratify the intent of the General Manager to utilize services of the District Engineer or Joe Bocanegra where necessary.

Given	Aye
Long	Aye
Luckman	Aye
Reynolds	Aye
Wilson	No

## **12. CONSIDER AMENDMENTS TO 09/10 BUDGET**

GM Guzzetta reported, reviewing revenues and the supplemental budget project list. Expenses have gone up due to planned increases in areas of system maintenance and staffing. Revenues are reduced due to a number of factors related to the current economic situation. Several items are still on the supplemental budget list, including pipe replacement. The District has the option to borrow and timing is good as current borrowing costs are low as are current construction costs. Staff will submit an application to USDA for grant and/or loan consideration; however, the District will not be obligated to receive a loan if approved. Board discussion ensued with the consensus being that staff should complete the application and when results are received from USDA the Board can determine whether or not to enter into a loan agreement. President Given recommended that the Board and the Citizens Advisory Committee be involved in discussions at that time.

MSC Luckman/Long 5/0 to adopt the amended 09/10 budget.

## **13. REPORT ON WELL 11**

GM Guzzetta reported on the well that has not been used for several years. The motor is burned out and there is a possibility that the shaft is bent. The well would take quite a bit of work to put back into service. The District has three new wells that will all be online soon, giving the District ample production capacity. There is an option to further investigate the condition of the well by videotaping at an approximate cost of \$5,000. After discussion the following action was taken:

MSC Long/Wilson 5/0 to accept the report and take no further action on Well 11 at this time.

## **14. PROJECT PRIORITY LIST**

There was no discussion of the Project list.

## **15. PUBLIC COMMENT**

Gary Lovelace of Joshua Tree commented on campaign contributions made during the last election.

Al Marquez of Joshua Tree commented refuting Mr. Lovelace's comments.

## **16. GENERAL MANAGER REPORT**

GM noted that regarding an earlier reference to a letter from a Director, that letter was not made available to any member of the public by the General Manager or his staff.

**17. DIRECTOR COMMENTS/REPORTS**

Director Reynolds reported that he and Director Luckman attended the Special Districts Administration Finance seminar. He felt the information was very helpful for him in understanding the finances of the District. Director Luckman reported that the value of the seminar was learning about finance from a policy point of view. President Given commented on the upcoming Association of California Water Agencies convention and appointed Director Reynolds as the District's voting delegate and Director Luckman as alternate.

**18. ADJOURNMENT 9:33 PM**

MSC Long/Luckman 5/0 to adjourn the November 18, 2009 Regular Meeting of the Joshua Basin Water District Board of Directors.

Respectfully submitted;

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Joe Guzzetta, General Manager

The next Regular Meeting of the Board of Directors is scheduled for December 2, 2009.



JOSHUA BASIN WATER DISTRICT  
SUPPLEMENTAL DATA SHEET

Special Meeting of the Board of Directors

To: President and Board of Directors  
From: Joe Guzzetta, General Manager

December 9, 2009

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TOPIC: An alternative to Long Term Disability (LTD) insurance for MSE unit which is covered under Resolution 08-840, time period July 2008 to July 2010; section number 5.

RECOMMENDATION: As an alternative of LTD insurance for the MSE unit, that the Board authorizes an adjustment to the MSE Cafeteria Plan contribution from \$800.00 per month to \$840.00 per month.

ANALYSIS: After conducting an evaluation for LTD insurance, it was discovered that this coverage would be very costly for the District. Concurrently, Health Insurance Costs paid by employees have increased by about 5% depending on which plan the member of the MSE has chosen.


As an alternative, it is proposed to increase the MSE Cafeteria Plan contribution from \$800.00 per month to \$840.00 per month.

Approval of this report will provide the MSC unit with a benefit less than what was originally negotiated but at a cost that is within the budget constraints of the District. The \$40 per month increase is acceptable to the MSC unit.

JOSHUA BASIN WATER DISTRICT  
SUPPLEMENTAL DATA SHEET

Special Meeting of the Board of Directors

December 9, 2009

To: President and Board of Directors  
From: Susan Greer 

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TOPIC: Consider Approval of Resolution 09-853, Amending Resolution 08-831, to correct typographical error contained therein

RECOMMENDATION: Approve Resolution 09-853

ANALYSIS: Last year, the Board approved Resolution 08-831 which reduced the *previously-approved* January 1, 2009 rate increase from 6% to 3%. The same resolution provided the rates that would be effective January 1, 2010, based upon the previously-approved recommendation of a 6% rate increase.

One of the individual rates, specifically, the consumption rate for ¾" and 1" meters, 5.01 – 20 units, was calculated at a 3% increase (\$2.26) instead of the intended 6% (\$2.33). This resolution corrects that error.

There is no need to re-notify or any other Prop. 218 issue as the corrected rate is still less than what was approved during the original Prop. 218 process several years ago.

RESOLUTION 09-853

A RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE JOSHUA BASIN WATER DISTRICT  
AMENDING RESOLUTION 08-831 REGARDING  
RATES AND CHARGES FOR WATER SERVICE

WHEREAS, the Board of Directors of the Joshua Basin Water District contracted for a water rate and fee study, which included a comprehensive review of the District's budget, Water Master Plan, customer usage data, anticipated growth of the District and capital improvements; and

WHEREAS, the results of the study produced a multi-year rate increase structure, the first three increases already implemented by the District; and

WHEREAS, the Board of Directors of the Joshua Basin Water District previously adopted Resolution 08-831 reducing the previously approved 6% rate increases effective January 1, 2009 to 3%; and

WHEREAS, Resolution 08-831 also included the rates scheduled to be effective January 1, 2010 including a 6% rate increase; and

WHEREAS, Resolution 08-831 included a typographical error to one of the rates effective January 1, 2010.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Joshua Basin Water District, acting pursuant to Section 31007 of the California Water Code, hereby amends Rules and Regulations Article 13.5 Monthly Basic Service Fee, 13.6 Water Flow Charges, and 13.10 Cost and Charges for Private Fire Protection, and adopts the rates and charges as follows.

Article 13.5 Basic Fee. The basic monthly fee for availability of water service, which includes no water used, is as follows:

Meter Size	Capacity (gpm)	Rates as of 1/1/10
3/4"	30	\$23.15
1"	50	38.55
1-1/2"	100	77.20
2"	160	123.49
3"	300	231.51

Article 13.6 Monthly Water Flow Charges. Water passing through the meter shall be sold at the following cumulative rates, per unit (one hundred cubic feet, 748 gallons):  
For ¾" and 1" Meters:

Consumption (unit)	Rates as of 1/1/10
0-5 units	\$2.09
5.01 – 20 units	2.33
20.01 – 40 units	2.46
40.01 + units	2.57

For 1-1/2", 2" and 3" Meters:

Consumption (unit)	Rates as of 1/1/10
All Usage	\$2.33

Article 13.10 Cost and Charges for Private Fire Protection. Installation cost will be the actual cost plus fifteen percent (15%) to cover administrative and overhead cost.

Monthly Service Charge

Device Size	Rates as of 1/1/10
2"	\$12.28
3"	24.54
4"	49.07
6"	73.62
8"	110.41

RESOLVED FURTHER that said increases shall be imposed in the January 2010 billing.

ADOPTED this 9<sup>th</sup> day of December, 2009.

By: \_\_\_\_\_  
Gary Given, President

Attest \_\_\_\_\_  
Joe Guzzetta, Board Secretary

JOSHUA BASIN WATER DISTRICT  
SUPPLEMENTAL DATA SHEET

Special Meeting of the Board of Directors

December 9, 2009

Report to: President and Members of the Board  
From: Joe Guzzetta, General Manager

TOPIC: SELECTION OF BOARD OFFICERS

RECOMMENDATION: That the Board select a President and a Vice President for the 2010 year.

ANALYSIS: Board rules require that a President and Vice President be selected at the last meeting of the calendar year. There are no rules or practices concerning rotation or selection, other than that the officers are selected by majority vote.

JOSHUA BASIN WATER DISTRICT  
SUPPLEMENTAL DATA SHEET

Special Meeting of the Board of Directors

December 9, 2009

Report to: President and Members of the Board  
From: Joe Bocanegra, Interim Chief of Operations

TOPIC: WELL 17 BIOLOGICAL WATER QUALITY REPORT FOLLOW-UP

RECOMMENDATION: That the Board authorize a contract with Bakersfield Well and Pump Company to perform the Well 17 super chlorination and well clean-up as proposed in their quote of 11-25-2009 for an amount of \$29,212.00.

ANALYSIS: HISTORY:

At the regular Board meeting of June 3<sup>rd</sup>, 2009, the Board was presented with a report titled:

"WELL 17 CLEAN UP OF BIOLOGICAL GROWTH PROBLEMS, RECONSTRUCTION OF PUMP BASE AND PUMP REINSTALLATION".

The recommendation was:

"That the Board Authorize the General Manager to finalize negotiations with Bakersfield Well and Pump Company to chemically and mechanically treat well 17 to eliminate the biological problems and to reconstruct the pump base and reinstall the pump for an amount not to exceed \$42,300.00."

The discussion of this item, besides the members of the Board, included members of the public and the JBWD Advisory Committee. The predominate questions were the type of bacteria, the source of bacteria and the cause of the bacteria. There was also a question on the well drilling and development practices. This item was tabled by the Board for a follow-up report addressing these questions.

ANALYSIS:

Since the June 3<sup>rd</sup> Board meeting, staff has revisited the prior investigation reports and has utilized the services of various experts in an attempt to address the above questions.

Michael Schnieders, a well known Hydrogeologist with Water Systems Engineering Inc. of Ottawa, Ks. Was retained to perform a complete analysis, treatment and control report.

David F. Scriven, Hydrogeologist with KRIEGER & STEWART Engineers was retained for Well 17 Rehabilitation Document Review.

Consultations were held with Mike Metts, JBWD District Engineer, Peter Quinlan and Steve Dickey, Hydrogeologists with Dudek Engineers.

Consultations were held with representatives of Bakersfield Well and Pump Company, Layne Western Pump Company and So-Cal Pump Company.

Babcock and Sons of Riverside performed much of the lab work.

Clinical Labs of San Bernardino tested some well samples in November of 2008.

The results of the analysis performed by Clinical Labs indicated the samples tested positive for coliform bacteria, more specifically *Pseudomonas fluorescens* and an unidentified species of *Enterobacter*. The tests performed by Michael Schnieders identified several species of aerobic slime forming bacteria.

*"Pseudomonas resinovarians* is a Gram-negative, aerobic, soil bacterium that is commonly found in soil, marshes, coastal marine habitats and plant and animal tissue. Generally, these bacteria can tolerate a variety of physical conditions, partly due to their strong production of biofilm...As a facultative anaerobes, *Enterobacter* bacteria are found in a variety of environments. *Enterobacter* can be found on human skin and plants as well as in soil, water, sewage, intestinal tracts of humans and animals and some dairy products. "

Water Treatment Analysis And Control report  
Water System Engineering Inc.  
March 23, 2009

### **"Type and Location of Bacterial Contamination**

1. Bacteria identified in well 17 is probably common soil bacteria, not fecal.....
2. Strong odor of stagnant water and foreign material in plugged gravel fill tube suggests bacteria present in fill tube at and below water table...
3. If bacteria are growing on drilling polymer in gravel fill tube area, it is also possible that polymer and bacteria are present within the filter pack and borehole section of the well from 288-708 ft.....

From the above it is concluded that the bacteria infecting the well is probably naturally occurring soil bacteria that is present in the surface soil and aquifer before the well was constructed. Without a significant food source, the bacteria do not multiply to levels that are a problem for water supply operation."

Report from Steve Dickey to Mike Metts  
Dudek Engineering  
December 11, 2008

Having determined that the problem bacteria in well 17 is a common soil bacteria, the questions remain what is the food source, how did it get there and what is the remedy?

The predominate thought is that the bacteria food source may be a residual drilling fluid additive that ferments allowing natural bacteria to multiply.

The drilling fluid additive allowed in the well 11 construction specifications was Bariod Poly-bore. Bariod Poly-Bore is specified as a non-fermenting borehole stabilizing dry polymer. Even though this poly-bore is non-fermenting, some engineers will not specify it, believing that it can still provide an environment for certain bacteria. There is some speculation that a fermenting (food source) polymer may have been used as a drilling fluid additive in the construction of well11, however the tests performed were not conclusive on this. Another theory is that the Baroid Poly-Bore used was not totally removed during the well development process.

The driller's and engineer's records indicate that well development took place sufficiently to remove all the drilling additives, however not everyone consulted agrees with this. There was a sample of a foul smelling, white polymer-like gel removed from the gravel pack tube. This material may have been left over Baroid Poly-Bore that got stuck in the gravel tube during well construction.

During the bacteriological problem investigations, numerous discussions were held regarding clean-up methods. The costs for clean-up escalate as the clean-up methods became more sophisticated. Discussions with the District's consultants and with representatives from Bakersfield Pump Company have led to a clean-up plan that will be effective.

Previously, Bakersfield Well and Pump Company submitted a cost of \$42,300.00 to clean the well, construct the pump base and reinstall the pumping equipment. The work was to be performed during the time that they would be working on equipping Well 16. Since the



continuing investigation of Well 17, the scope of the clean-up requirements have changed and the costs have been re-evaluated. Bakersfield Pump and Well Company now submits a quote of \$29,212.00 to perform the work at the same time they are working on Well16.

#### RECOMMENDATION

There has been quite an effort made to determine the exact cause of the growth of bacteria in Well 17. Opinions on the cause have varied amongst the various consultants. The District did allow the use of Bariod Poly-Bore and whether this contributed to the problem is uncertain. There is no evidence of the use of other fermenting material. To proceed with a more in-depth investigation of the bacteria and its food source would require more specialized equipment for down-hole sample analysis. The costs would be extremely high with no guarantee of finding fault. It is therefore recommended to contract with Bakersfield Pump Well and Pump Company to perform the Well 17 super chlorination and well clean-up as proposed in their quote of 11-25-2009 for an amount of \$29,212.00.

JOSHUA BASIN WATER DISTRICT  
SUPPLEMENTAL DATA SHEET

Special Meeting of the Board of Directors

December 9, 2009

Report to: President and Members of the Board  
From: Joe Bocanegra, Interim Chief of Operations

TOPIC: STATUS OF WELL 16 EQUIPPING AND REQUEST FOR WELL REHAB  
PRIOR TO PUMP INSTALLATION

RECOMMENDATION: That the Board authorize Bakersfield Well and Pump Company to treat and mechanically clean Well 16 prior to installing the pumping equipment per their proposal of 11-25-2009 for an amount not to exceed \$8,201.25

ANALYSIS: Well 16 was drilled by South West Pump and Drilling, Inc. of Coachella, CA. In October/November of 2001. The award of the contract to equip the well was awarded to Bakersfield Well and Pump Company in October of 2003. The equipping of the well has been delayed several times. One delay was for further water quality analysis and another delay was for the construction of new underground Southern California Edison electrical facilities to serve the well.

Bakersfield Well and Pump Co. is now in receipt of the equipment and is prepared to install it. Since the well was idle for such a long time, it was decided to videolog it for assurance of a clean well casing prior to pump installation.

The videolog shows definite signs of mineral buildup with the highest degree of buildup in the lower portions of the well screen. In order to assure an efficient well, it is recommended that the well casing be chemically treated and mechanically cleaned prior to pump installation.

Bakersfield Well and Pump Company, Inc. has submitted a quote of \$8,201.25 to perform the work.

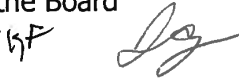
Approval of this report will complete the installation of Well #16.

JOSHUA BASIN WATER DISTRICT

Regular Meeting of the Board of Directors

December 9, 2009

Report to: President and Members of the Board  
From: Keith Faul, GIS Coordinator



TOPIC: PURCHASE OF REPLACEMENT OF GIS COMPUTER

RECOMMENDATION: That the Board take the following action:  
Authorize purchase of a budgeted Replacement GIS Computer at a cost of about \$13,000 with the old computer to be used to backup the telemetry system.

ANALYSIS: This item was included in the two-year budget approved last year and reaffirmed by the Board last month. The District purchased the current GIS computer in mid 2005 along with the current GIS software. Over the past four years the system has served the District well and has been a reliable workhorse.

But due to the collecting of larger amounts of GPS data and digital imagery the system has become more and more taxed. It has become more difficult to complete simple tasks without a huge wait time between tasks. Because of this staff is recommending a new system be purchased.

To make this purchase more economical for the District the current system will not become surplus, but will be used in the shop as a backup to the telemetry computer. The computer will be reformatted and operating system reinstalled.

There is currently no real backup for the telemetry system if it fails, it however can be run off of a laptop with many speed limitations. A new backup telemetry machine would cost \$4,000 which will be saved by using the old GIS machine. This computer will become a "hot swappable" machine. This means that the "GIS" system will be mirrored with the current telemetry system and in the case of a failure will become the control for the telemetry system.

Approval of this item will improve the GIS system and provide better backup for the telemetry system.

11/25/09

Dear JBWD Board of Directors,

Thank you for your donation of the CMT handheld devices to our Agency; having this equipment allows us to deliver improved service on an expedited basis to our customers. We appreciate your generous support.



*From the Staff of*

**Bighorn-Desert View Water Agency**

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