

Bighorn-Desert View Water Agency

Board of Directors

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Terry Burkhart, Secretary
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A Public Agency

www.bdvwa.org

BOARD OF DIRECTORS' REGULAR MEETING AGENDA

BOARD MEETING OFFICE
1720 N. Cherokee Trail, Landers, CA 92285
Tuesday, August 26, 2014 - 6:00 p.m.

1. **Call To Order**
2. **Pledge of Allegiance**
3. **Roll Call**
4. **Approval of Agenda**

Discussion and Action Items - The Board of Directors and Staff will discuss the following items, and the Board 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.

5. **Hazard Mitigation Plan Status Update and Receive Public Comments**
Information and Discussion Item Only

6. **Update on Dissolution of CSA 70/W-1 and Annexation to BDVWA**

Board considers taking the following action(s):

1. Authorize budget adjustment of \$3,100 for processing LAFCO 3181: Reorganization to include Annexations to Bighorn-Desert View Water Agency, Dissolution of County Service Area 70 Zone W-1 and Formation of an Improvement District for Bighorn-Desert View Water Agency.

7. Financial Utility Billing Software Upgrade

Board considers taking the following action(s):

1. Authorize General Manager to execute contract with Springbrook Software, Inc. for 4-Year Cost of Ownership Premise License and first four years of software maintenance in the amount of \$159,993; and
2. Provide direction to staff on preferred payment option; and
3. Authorize General Manager to purchase and install hardware and peripheral equipment to accommodate Springbrook Software as well as centralized employee file sharing in an amount not to exceed \$13,313.
4. Authorize a total project contingency of \$12,500 for unforeseen professional services or software application adjustments identified during the period of conversion as well as any miscellaneous appurtenant hardware and labor services identified during installation.

8. Resolution 14R-XX Establishing Standing Committees and Authorizing the Creation of Ad Hoc Committees

Board considers taking the following action(s):

1. Adopt Resolution 14R-XX Establishing Standing Committees and Authorizing the Creation of Ad Hoc Committees.

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

- a. Financial Statements June 2014
 1. Balance Sheet
 2. Statement of Revenue and Expense
 3. General Account (Union Bank)
 4. Disbursements
 5. Local Agency Investment Fund Balance Timeline
- b. Receive and File Disbursements June
- c. Financial Statements July 2014
 1. Balance Sheet
 2. Statement of Revenue and Expense
 3. General Account (Union Bank)
 4. Disbursements
 5. Local Agency Investment Fund Balance Timeline
- d. Receive and File Disbursements July 2014
- e. Service Order Report, July 2014
- f. Production Report, July 2014
- g. Regular Board Meeting Minutes, July 22, 2014

Recommended Action:

Approve as presented (Items a - g):

10. Matters Removed From Consent Items

11. Public Comment Period

Any person may address the Board 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 Board of Directors from discussing or taking action on items not included on the agenda.

12. Verbal Reports - Including Reports on Courses/Conferences/Meetings.

- a. GENERAL MANAGER'S REPORT
- b. DIRECTORS' REPORT
- c. PRESIDENT'S REPORT

13. Future Agenda Items

14. 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 has been prepared or organized with respect to each item of business listed on the agenda.

Copies of these materials and other discloseable 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.

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.

AGENDA ITEM # 5

**BIGHORN DESERT VIEW WATER AGENCY
AGENDA ITEM SUBMITTAL**

Meeting Date: August 26, 2014

To: Board of Directors

Budgeted: Yes

Funding Source: 01-56192+OES Grant

Cost: N/A

From: Marina West

General Counsel Approval: N/A

CEQA Compliance: N/A

Subject: Hazard Mitigation Plan Update

SUMMARY

Staff, members of the community and Agency consultant, Mr. Gary Sturdivan, have completed the Draft Hazard Mitigation Plan (HMP). The HMP is aimed at reducing or eliminating damage from disasters through this well-organized public education and awareness effort, preparedness and mitigation.

The Draft document is now undergoing the public review process. All comments are requested to be submitted by September 8, 2014 so that the document can be completed and presented for formal adoption at the September Board of Directors meeting.

The Draft Hazard Mitigation Plan document is also available on the Agency website at this link: <http://www.bdvwa.org/about-us/hazard-mitigation-plan/>

RECOMMENDATION

That the Board considers taking the following action(s):
Information and discussion item only.

BACKGROUND/ANALYSIS

No further information provided.

PRIOR RELEVANT BOARD ACTION(S)

7/22/2014 Hazard Mitigation Plan Status Update and Receive Public Comments

6/24/2014 Motion No. 14-035 Authorize execution of the Designation of Applicant's Agency Resolution and the Subgrantee Assurances documents as required for execution of the Hazard Mitigation Planning Grant awarded by the California Office of Emergency Services and Hazard Mitigation Plan Status Update and Receive Public Comments.

5/27/2014 Hazard Mitigation Plan Status Update and Receive Public Comments

4/22/2014 Hazard Mitigation Plan Status Update and Receive Public Comments

3/25/2014 Update on the Hazard Mitigation Planning Grant Award from Office of Emergency Services

8/27/2013 Motion No. 13-062 Direct General Manager to develop an application for funding for non-disaster Hazard Mitigation Assistance Programs through the California Office of Emergency Services; and authorize maximum grant match funding in the amount of \$8,333 from the Agency's Emergency Contingency Fund.

12/8/2011 Motion No. 11-068 Authorize General Manager to coordinate with the Herndon Solutions Group to complete and submit a Federal Emergency Management Agency grant application for completion of a Hazard Mitigation Plan.

Hazard Mitigation Plan
Bighorn-Desert View Water Agency
Homestead Valley Community
California 92285

Adoption Date: -- Has Not Been Entered—

Primary Point of Contact:

Marina West
General Manager
San Bernardino County, CA
(760) 364-2315 (office)



BIGHORN
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Table of Contents

Section 1 Introduction.....	5
1.1 Purpose of the Plan	5
1.2 Authority	5
1.3 Community Profile.....	5
1.3.1 Physical Setting.....	5
1.3.2 History.....	6
1.3.3 Demographics	7
1.3.4 Existing Land Use.....	8
1.3.5 Development Trends.....	8
Section 2 Plan Adoption.....	9
2.1 Adoption by Local Governing Body.....	9
2.2 Promulgation Authority	9
2.3 Primary Point of Contact	10
Section 3 Planning Process	11
3.1 Preparing for the Plan	11
3.1.1 Planning Team	13
3.2 Coordination with Other Jurisdictions, Agencies, and Organizations.....	14
3.3 Public Involvement/Outreach	15
3.4 Assess the Hazard	15
3.5 Set Goals	16
3.6 Review and Propose Mitigation Measures	16
3.7 Draft the Hazard Mitigation Plan.....	16
3.8 Adopt the Plan.....	17
Section 4 Risk Assessment	19
4.1 Hazard Identification	19
4.1.1 Hazard Screening Criteria.....	19
4.1.2 Hazard Assessment Matrix	20
4.1.3 Hazard Prioritization	21
4.2 Hazard Profile	22
4.2.1 Earthquake	22
4.2.2 Freezing.....	30
4.2.3 Power Failure	30
4.2.4 Long Term Drought.....	31
4.2.5 Flash Flooding	33

4.2.6 Flooding	37
4.3 Inventory Assets.....	40
4.3.1 Population	40
4.3.2 Buildings	40
4.3.3 Critical Facility List	42
4.4 Vulnerability Assessment	47
4.4.1 Methodology	47
4.4.2 Dam Inundation Vulnerability Analysis	47
4.4.3 Drought Vulnerability Analysis	47
4.4.4 Earthquake Vulnerability Analysis	49
4.4.5 Flash Flooding Vulnerability Analysis	49
4.4.6 Flooding Vulnerability Analysis	49
4.4.7 Wildfires Vulnerability Analysis	49
4.4.8 Potential Loss Estimation	50
Section 5 Community Capability Assessment.....	53
5.1 Agencies and People	53
5.2 Existing Plans.....	53
5.3 Regulations, Codes, Policies, and Ordinances.....	53
5.4 Mitigation Programs	54
5.5 Fiscal Resources.....	54
Section 6 Mitigation Strategies.....	54
6.1 Overview	54
6.2 Mitigation Goals and Objectives	54
6.2.1 All Hazards	55
6.2.2 Earthquakes.....	55
6.2.3 Drought	56
6.2.4 Flood	56
6.4 Mitigation Priorities.....	56
6.5 Implementation Strategy.....	62
Section 7 Plan Maintenance.....	58
7.1 Monitoring, Evaluating and Updating the Plan	63
7.2 Implementation through Existing Programs	63
7.3 Continued Public Involvement	63

Tables

Table 1 Time table	12
Table 2 Screening Assessment Matrix	20
Table 3 Hazard Prioritization Matrix	22
Table 4 Hazard Prioritization Matrix (Dam Inundation)	22
Table 5 Hazard Prioritization Matrix (Drought)	26
Table 6 Drought History	30
Table 7 Hazard Prioritization Matrix (Earthquake)	30
Table 8 Earthquake History	31
Table 9 Hazard Prioritization Matrix (Flash Flooding)	32
Table 10 Hazard Prioritization Matrix (Flooding)	33
Table 11 Flooding History	37
Table 12 Hazard Prioritization Matrix (Wildfires)	41
Table 13 List of Critical Facilities	42-44
Table 14 Economical Impacts on Critical Facilities	48-52

Figures

Figure 1 Earthquake Faults	24
Figure 2 System Boundaries	25

Appendix A - Draft Resolution
Appendix B – Generator sizing and power needs
Appendix C - Earthquake Probabilities
Appendix D - Water Conservation Ordinance 358 Section 15

Attachments

Attachment A- Public Meetings, Board Agenda and Minutes
Attachment B- Planning Team meeting Agenda and Minutes

SECTION 1: INTRODUCTION

1.1 Purpose of the Plan

Emergencies and disasters cause death or leave people injured or displaced; cause significant damage to our communities, businesses, public infrastructure and our environment; and cost tremendous amounts in terms of response and recovery dollars and economic loss.

Hazard mitigation reduces or eliminates losses of life and property. After disasters, repairs and reconstruction are often completed in such a way as to simply restore infrastructure to pre-disaster conditions. Such efforts expedite a return to normalcy; however, the replication of pre-disaster conditions results in a cycle of damage, reconstruction, and repeated damage. Hazard mitigation attempts to break this cycle, which results in a reduction in hazard vulnerability.

While we cannot prevent disasters from happening, their effects can be reduced or eliminated through a well-organized public education and awareness effort, preparedness, and mitigation. For those hazards, which cannot be fully mitigated, the community must be prepared to provide efficient and effective response and recovery to emergencies.

1.2 Authority

As required by the Department of Homeland Security's Federal Emergency Management Agency (DHS-FEMA), all Hazard Mitigation Plans (HMP) must be updated, adopted, and approved every five (5) years; the Bighorn-Desert View Water Agency (BDVWA) has not had a Hazard Mitigation Plan in the past. The purpose of completing a plan is to validate and incorporate information into the plan and identify the hazards to the community and formulate mitigation measures for the future protection of the community and critical infrastructure. It should also be noted that an approved HMP is required to receive federal assistance under the Hazard Mitigation Grant Program (HMGP) or Pre Disaster Mitigation (PDM) programs.

1.3 Community Profile

The Bighorn-Desert View Water Agency provides water service to approximately 1,450 active residential customers, 400 infrequent/inactive customers, and 100 bulk-hauling customers within its forty-four (44) square mile service area, located in the Western Mojave Desert of San Bernardino County. The BDVWA encompasses the unincorporated Homestead Valley Communities in the County known as Flamingo Heights, Landers, and Johnson Valley.

The Bighorn-Desert View Water Agency is a consolidated independent Special District, formed in 1990, operating pursuant to the provisions of the Bighorn-Desert View Water Agency Law, California Water Code Appendix 112-1 et. Seq. The BDVWA is governed by a five-member Board of Directors, elected at-large from within the Agency's service area. The General Manager administers the day-to-day operations of the BDVWA in accordance with policies and procedures established by the Board of Directors. In addition to the General Manager, the BDVWS employs six (6) full time employees organized into two departments: Administration and Operations.

1.3.1 Physical Setting

The Bighorn-Desert View Water Agency is located in the State of California, San Bernardino County High Desert area, 30 miles North of Interstate 10 and Palm Springs, and Southeast of the City of Victorville. The Community of Landers and the Bighorn-Desert View Water Agency are located in the South Eastern section of the Mojave Desert on the Eastern side of the San Bernardino Mountains.

The Mojave Desert occupies a significant portion of Southern California and parts of Utah, Nevada, and Arizona. Named after the Mojave Native Americans, it occupies roughly 54,000 square miles in a typical Basin and Range topography. The Mojave Desert is bound in part on the Western ends by the Tehachapi Mountains together with the San Gabriel and San Bernardino Mountain Ranges. The mountain boundaries are quite distinct since they have been created by the two largest faults in California: the San Andreas and the Garlock. Its Northern and Eastern boundaries are less distinct. One way to determine location is by observing the presence of Joshua Trees. The Mojave Desert receives less than 6 inches of rain a year and is generally between 3,000 and 6,000 feet in elevation. The Mojave Desert also contains the Mojave National Preserve, Joshua Tree National Park, and the lowest-hottest place in North America: Death Valley, where the temperature can approach 120 F in late July and early August. The Mojave Desert, like all deserts in general, is known for its summer heat; however, in the wintertime - cold. Snow, although uncommon, does fall in parts of the Mojave Desert. Amounts range from just a trace, to a foot or more of heavy wet snow which can lead to freeway traffic closures, and the population being "snowed in." The coldest wintertime temperature ranges well below freezing. Many parts of the Mojave Desert typically range from highs of around 95-105° F in the summer, to lows of around 15-30° F in the winter, and may dip even lower. High winds, often above 50 miles per hour, are also a weather factor and occur frequently along the Western end of the Mojave Desert.

1.3.2 History

Bighorn-Desert View Water Agency

The Bighorn-Desert View Water Agency is a consolidated Independent Special District, formed in 1970, working pursuant to the provisions of the Bighorn-Desert View Water Agency Law, California Water Code Appendix, Sections 112-1 et. Seq. The BDVWA is governed by a five-member Board of Directors, elected at-large from within the Agency's service area. The General Manager administers the day-to-day operations of the BDVWA in accordance with policies and procedures established by the Board of Directors. In addition the General Manager, the BDVWA employs six (6) full-time employees organized into two departments: Administration and Operations. The BDVWA's Board of Directors regularly scheduled meetings are on the fourth Tuesday of each month at 6:00 p.m. Meetings are publically noticed and citizens are encouraged to attend.

The BDVWA provides water service to approximately 1,450 residential customers, 400 infrequent/inactive customers, and 100 bulk-hauling customers within its forty-four (44) square-

mile service area, located in the Western desert of San Bernardino County. The BDVWA encompasses the unincorporated communities in the county known as Flamingo Heights, Landers and Johnson Valley.

Community of Landers

Landers lies in the Homestead Valley section of San Bernardino County, also known as the Southeastern part of the Mojave Desert. The town's elevation is 3,100 feet (940 m) above sea level.

Landers is located approximately 14 miles north of Yucca Valley; is bordered by the Village of Joshua Tree to its southeast; Johnson Valley to its north; and Pioneertown to its southwest. California State Route 247, named "Old Woman Springs Road," passes through Landers from Yucca Valley en route north to Barstow.

The U.S.P.S. Landers Post Office is located at Landers Lane and Reche Road, serving Zip Code 92285. A Loyal Order of Moose Lodge, convenience store, realty office, chamber of commerce, elementary school, and community center are also located in the mostly residential community. The Landers Airport has a short runway, adequate for single engine aircraft.

The 1992 Landers earthquake was a magnitude 7.3, earthquake that occurred on June 28, 1992 with an epicenter near the Community of Landers, California.

County of San Bernardino

San Bernardino County, officially the County of San Bernardino, is a county located in the southern portion of the U.S. state of California. As of the 2010 U.S. Census, the population was 2,035,210, up from 1,709,434 in the 2000 census. With an area of 20,105 square miles, San Bernardino County is the largest county in the United States by area. It is larger than each of the nine smallest states, larger than the four smallest states combined, and larger than 71 different sovereign nations.

Located in southeast California, the thinly populated deserts and mountains of this vast county stretch from where the bulk of the county population resides in two Census County Divisions, some 1,422,745 people as of the 2010 Census, covering the 450 square miles south of the San Bernardino Mountains in San Bernardino Valley, to the Nevada border and the Colorado River.

1.3.3 Demographics

The BDVWA is currently a bedroom community and has no public hospitals or major manufacturers within its boundaries. The BDVWA service area contains approximately 44 square miles and currently serves approximately 1,850 residents over a large service area.

1.3.4 Existing Land Use

The existing land use is housing and small to light industry. The largest employer in the area is the 29 Palms Marine Base, the largest Marine Base in the world. However, 29 Palms has most of the military housing, and the Landers area does not benefit highly from the installation, due to the fact that there are no finished roads from the Landers area into the Marine Base.

1.3.5 Development Trends

The development of the Landers area has been flat since the housing industry crash. The BDVWA has not seen an increase of the housing market or any development in the BDVWA boundaries. There are no new housing projects or planned development of either industry or housing in the near future.

SECTION 2: PLAN ADOPTION

2.1 Adoption by Local Governing Body

This 2014 Hazard Mitigation Plan (HMP) will be presented to the Bighorn-Desert View Water Agency's Governing Body for adoption upon final FEMA approval.

Upon adoption, The Board meeting minutes will be included within the HMP.

Appendix A: Draft Resolution

2.2 Promulgation Authority

This Hazard Mitigation Plan was reviewed and approved by the following Promulgation Authorities:

Ms. Judy Corl-Lorono
Board President

Description of Involvement: Board President, Bighorn-Desert View Water Agency Board of Directors

Mr. J. Dennis Staley
Vice President

Description of Involvement: Vice-President, Bighorn-Desert View Water Agency Board of Directors

Mrs. Terry Burkhart
Director/ Board Secretary

Description of Involvement: Director, Bighorn-Desert View Water Agency Board of Directors

Mr. Michael McBride

Description of Involvement: Vice President, Bighorn-Desert View Water Agency Board of Directors.

Mr. J. Larry Coulombe
Director

Description of Involvement: Director, Bighorn-Desert View Water Agency Board of Directors

Ms. Marina West
General Manager

Description of Involvement: General Manager, Bighorn-Desert View Water Agency

2.3 Primary Point of Contact

The Point of Contact for information regarding this plan is:

Marina West
General Manager
Bighorn-Desert View Water Agency
622 South Jemez Trail
Yucca Valley CA 92284
760-364-2315 (Office)

Or

Gary Sturdivan
Sierra West Consultants
gsturdivan@mac.com
909-658-5974

SECTION 3: PLANNING PROCESS

The purpose of this section is to document the planning process that was taken to review and compile information that would lead to an affective Hazard Mitigation Plan (HMP). A comprehensive description of the planning process not only informs citizens and other readers about how the plan was developed, but also provides a permanent record of how decisions were reached so it can be replicated or adapted in future plan updates. An integral part of the planning process is documentation of how the public was engaged through the process.

This HMP was completed with the coordination and involvement of the BDVWA staff, which have a vested interest in the resiliency of the Agency. Additionally, other involved persons are employees from other water agencies in the area, such as Joshua Tree Water District and High Desert Water District; local community concerned citizens; the Morongo Basin community; and the Board of Directors. For example, one person on the Planning Team has been with BDVWA since 2002 and knows the history of previous hazards affecting the Agency. This team developed and implemented the planning process.

This section includes a list of the Planning Team Members, a summary of the meetings held, coordination efforts with the surrounding communities/groups, and all Public Outreach efforts.

3.1 Preparing for the Plan

The Planning Team reviewed the Crosswalk the hazards that could and have had an effect on the region in the past. Once the Planning Team had reviewed these documents and added any new hazard and mitigation program information, recommendations were presented for public review and input.

The update process consisted of:

- Documenting of past events
- Incorporating data
- Engaging the Planning Team
- Posting the meeting agendas and meeting minutes onto the BDVWA's Web-site
- Sharing information at the monthly BDVWA Board meetings
- Conducting Public Outreach

The Planning Team provided a better understanding of the Planning Process and was able to give a timeframe of the effort. Table-1 shows the draft timeline for preparing the Draft HMP for the BDVWA which are discussed further in the following sections.

3.1.1 Planning Team

This Hazard Mitigation Plan was compiled and authored by members of the following Planning Team:

Ms. Marina West
General Manager

Description of Involvement: Planning Team Member

Ms. West is the General Manager for Bighorn Desert View Water Agency. Ms. West coordinates meetings and has direct input into the planning of the Mitigation Planning Team. Ms. West attends all mitigation meetings and has a vast knowledge of the area and the BDVWA's past history in emergencies.

Ms. Judy Corl-Lorono
President of the Board of Directors, Bighorn Desert View Water Agency

Description of Involvement: Planning Team Member

Service to the community has been a major part of Ms. Corl-Lorono life since moving to Yucca Valley in 2001. Ms. Corl-Lorono worked for the Salvation Army, running the thrift store in Yucca Valley. Ms. Corl-Lorono put the skills learned in the hotel and food industry to use running a free food distribution center in Palm Desert. Ms. Corl-Lorono utilized the spirit of community. As a Director BDVWA, Ms. Corl-Lorono has focused on learning about water related issues and served as President of the Board in 2008/2009 and has served as Vice-President of the Board. Ms. Corl-Lorono is current President of the BDVWA Board for 2013/2014

Mr. Gary Sturdivan
HMP Consultant

Description of Involvement: Planning Team Lead

Gary Sturdivan is the Consultant hired by Bighorn-Desert View Water Agency as Team Leader for the BDVWA's Mitigation Plan. Mr. Sturdivan sets the Agenda for all mitigation meetings, compiles all information for public input, and coordinates all mitigation meetings. Mr. Sturdivan takes information to the Agency's Board of Directors and oversees information for input into the Mitigation Plan. Mr. Sturdivan has a vast knowledge of Mitigation Planning, Grant Funding, and Emergency Management. Mr. Sturdivan worked in the water industry for 25 years prior to retiring in 2011.

Mr. Mark Ban
Assistant General Manager
Hi-Desert Water District

Description of Involvement: Planning Team Member

Mr. Ban has a vast knowledge for the issues facing water agencies in the Desert along with the hazards, mitigation, and operations of middle-sized water districts. Mr. Ban has been a past Planning Team Member in other HMP planning teams in the San Bernardino and Riverside Counties. Mr. Ban and Hi-Desert Water District has been a member of the Emergency Response Network of the Inland Empire.

Mr. Steve Corbin
Water Production Operator II
Joshua Basin Water District

Description of Involvement: Planning Team Member

Mr. Corbin has 7 years of experience in the water industry. Mr. Corbin has knowledge of the operations of a water agency and as a resident of the area, Mr. Corbin is knowledgeable of past disasters and the effect these disasters had on the local water agencies.

Ms. Judith Laffoon
Area Resident and Customer of Bighorn Desert Water Agency Water

Description of Involvement: Planning Team Member

Judith Lynn Laffoon is an Administrative Assistant (ret.), Maintenance and Operations - Morongo Unified School District. Landers resident of 21 years; member of the Landers Association; BDVWA customer; CERT Team Leader for the Community of Landers, and active volunteer in multiple disaster organizations: Morongo Basin CERT, American Red Cross, ARES, Morongo Basin Emergency Management Council (CERT), California Disaster Corp, and SoCal VOAD.

Mr. David Rewal
Lead Water Distribution Operator

Description of Involvement: Planning Team Member

Mr. Rewal is the Lead Water Distribution Operator at Bighorn-Desert View Water Agency and has been with the Agency since 2001. Mr. Rewal is a key person in the daily operations of the Agency's water distribution system. Mr. Rewal possesses a State of California Water Distribution Certificate Level D-3, and a Treatment Certificate T-2. Mr. Rewal is an avid golfer and competes in golf fundraisers in and around the Morongo Basin.

Mr. James Corbin

Joshua Basin Water District

Description of Involvement: Planning Team Member

Mr. Corbin is a Water Production Operator II at Joshua Basin Water District. Mr. Corbin has 7 years experience in water industry and 34 years experience in electro-mechanical manufacturing/repair and metal fabrication/welding. Mr. Corbin understands the effects disasters have on the community and the importance of a safe water supply to the community.

Mr. David Rodriguez

Engineer/Area Resident

Description of Involvement: Planning Team Member

Mr. Rodriguez is a 35 year resident of Yucca Valley, and has work experience is in the field of Civil Engineering and Land Planning. Mr. Rodriguez has worked with local civil engineering firms including Joshua Basin Water District, where Mr. Rodriguez served as the District's Resident Engineer and Inspector. Mr. Rodriguez has been involved on the Town of Yucca Valley's General Plan Advisory Committee. Mr. Rodriguez is self-employed as a Civil Engineering/Land Planning Consultant and is currently the Engineering/Inspection Consultant with Bighorn Desert View Water Agency.

Mr. Ken Jones

Resident and Customer of Bighorn Desert View Water Agency

Description of Involvement: Planning Team Member

Mr. Jones is the Morongo Basin CERT Team Leader for the Community of Flamingo Heights, Morongo Basin CERT Member, and Vice-President of Flamingo Heights Community Association. He is a long time resident of the California Desert.

3.2 Coordination with Other Jurisdictions, Agencies, and Organizations

Mr. Gary Sturdivan is coordinating the Hazard Mitigation Planning Team for Bighorn Desert View Water Agency. The General Manager of BDVWA has asked several agencies to participate in the planning of this document. The Team consists of two persons from nearby Joshua Basin Water District, one person from nearby Hi-Desert Water District, two persons from BDVWA, a Contract Engineer for BDVWA, and three members of the public who live in the area. The County of San Bernardino Office of Emergency Services has been asked to participate on the planning team, however Mr. Sturdivan has not received a response at the time of writing this section of the HMP.

The Team participated in bi-weekly meetings to coordinate and receive support for the HMP. The support included receiving technical expertise, resource materials and tools, not only to expedite the HMP update process, but also to ensure that the information received is in compliance with the Federal requirements of the program. The tools, resource materials, and

other project related information is maintained on a Project Portal (www.bdvwd.org) to ensure the information is available to all participants and the public at large.

Also, interaction with other local water agencies proved valuable in the development of the mitigation projects for the plan. Water agencies within the Morongo Basin, in San Bernardino County, met to collectively discuss necessary decisions for the HMP and ideas to streamline our resources. Bighorn-Desert View Water Agency hosted meetings at the Agency Boardroom and organized the process for participating water agencies.

3.3 Public Involvement/Outreach

An effort was made to solicit public input during the planning process at the BDVWA Board Meetings beginning in March 2014 until completion of the plan. Information about the plan is posted on the Agency's web-site (www.bdvwa.org) and on Board Agendas for any public comments. Monthly Board Meetings are opened with a HMP Section for "Public Comment" section, where the Consultant Mr. Sturdivan is available to answer any comments or questions that may come up from the public. Mr. Sturdivan updates the Board of Directors and the Public on the progress of the HMP. Board Members and the Public are given time to ask questions. Questions are addressed at these meetings, or answered in writing after the meeting. The Public HMP meetings were recorded and meeting minutes are taken.

The 2014 agendas and meeting minutes, and portions of the HMP are posted on the Agency's web-site as the HMP is written, asking for public comments.

Please see **Appendix B** for the details of the public involvement process such as the meetings dates, purpose, agendas, sign-in sheets, minutes, and public comments.

3.4 Assess the Hazard.

This HMP has been developed through an extensive review of available information on hazards the Agency has faced in the past and most likely will face in the future. The Team viewed and discussed items that have happened in the State of California, as well as disasters that have happened in desert areas in the United States. The Team reviewed documents such as engineering drawings, aerial photographs, and available geotechnical and geologic data both from the Internet and outside sources (for example, California Geological Survey for detailed fault investigation reports).

The Planning Team completed the assessment of the various hazards in a group. The Team has an average of 30 years of personal experience working in a water utility and knows the history of past hazardous events, such as the 1992 Landers Earthquake, which was a 7.3 magnitude earthquake that severely impacted the region. This earthquake's epicenter was in Landers within 10 feet of one of the BDVWA's Reservoirs.

3.5 Set Goals

The process of identifying mitigation goals began with a review and validation of damages done to the agencies in the surrounding area. The Planning Team completed an assessment and had discussion of whether each of the mitigation goals was valid. This discussion also led to the opportunity to identify new goals and objectives for Mitigation in the Plan, such as pipelines that are undermined in flooding and debris flow each year.

The Agency's Planning Team set the goals for the 2014 HMP. The team members understand and know the issues facing the Agency with respect to the Agency's Mission Statement "To provide a high quality supply of water and reliable service to all customers at a fair and reasonable rate."

At one of the planning meetings the group "brainstormed" to determine the best mitigation goals to reduce or avoid long-term vulnerabilities and to identify the hazards. First, we reviewed the past hazards that have faced the area and other water agencies in the area and discussed the changes in the community in the previous several years. Then the team decided whether those hazards were still viable today. Some hazards were removed and other hazards were added to the list.

3.6 Review and Propose Mitigation Measures

Meetings were held with the Planning Team to solicit their input and review all of the hazards identified in the Plan. The Team identified what mitigation measures could be utilized to mitigate the hazards in the future for each critical piece of infrastructure. Each meeting focused on specific hazards, BDVWA facilities, risk assessment, mitigation strategy, and plan maintenance

3.7 Draft Hazard Mitigation Plan

The Consultant for the Agency led the Planning Team and wrote the MHP with the input of the Planning Team, Board of Directors, and public comments into the Draft Plan. The Planning Team members reviewed and commented on the changes, and the consultant revised the plan before the HMP was finalized and adopted by the Board of Directors.

The HMP's will be reviewed against a FEMA-designed Crosswalk. The Crosswalk links the Federal Requirements and identifies the sections in the HMP where the information can be found, and a rating as to the level of compliance with the regulation.

3.8 Adopt the Plan

Upon finalizing the HMP by the Planning Team, the HMP was sent to the Agency's Board of Directors for adoption. The 2014 HMP was adopted as written, at the Agency's regularly scheduled Board Meeting on XX/XX/XXXX. The HMP was then sent to the State of California, before being sent to FEMA for approval.

SECTION 4: RISK ASSESSMENT

The goal of mitigation is to reduce the future impacts of a hazard including property damage, disruption to local and regional economies, and the amount of public and private funds spent to assist with recovery. However, mitigation should be based on risk assessment.

The purpose of this section is to describe the methodology taken to understand the hazards in the Agency's service area. There are generally four (4) steps in this process: 1) identify and screen the hazards; 2) profile the hazards; 3) inventory the assets; and 4) estimate losses.

A risk assessment involves measuring the potential loss from a hazard event by assessing the vulnerability of buildings, infrastructure, and people. It identifies the characteristics and potential consequences of hazard areas of the BDVWA that could be affected by a hazard, and the impact on Agency's assets. A risk assessment consists of three components: hazard identification, vulnerability analysis, and risk analysis. Technically, these are three different items, but the terms are sometimes used interchangeably.

4.1 Hazard Identification

During a "brainstorming session" with the Planning Team Members, all hazards were discussed. Some of the items were not used in the plan because the likelihood of a tsunami, hurricane, tornado, or wildfire affecting this area are very slim at best.

4.1.1 Hazard Screening Criteria

The intent of screening the hazards is to help prioritize which hazard creates the greatest concern to the BDVWA. The process that was implemented is logical and can be universally applied.

A list of the natural hazards to consider was obtained from Federal Emergency Management Agency's (FEMA) State and Local Mitigation Planning How-to Guide: Understanding Your Risks (FEMA 386-1), and guidance from the American Water Works Association. The Agency's Planning Team reviewed each hazard on the list, using their experience with the hazards, and the following conclusions were drawn.

Natural hazards considered by the Agency's Planning Team include the following:

- Earthquake
- Flash Flooding/Mudslides/Landslides
- Terrorist Events
- Wildfire
- Freezing Events
- Power Failure
- Windstorms
- Drought
- Long term drought
- Volcanoes

The following natural hazards were considered not to affect or be a risk to the Agency by the Planning Team.

- Wildfire
- Windstorms
- Volcanoes
- Drought

4.1.2 Hazard Assessment Matrix

For the 2014 HMP the BDVWA is utilizing a non-numerical ranking system for the hazard screening process. This process consists of generating a non-numerical ranking (similar to high, medium, and low) rating for the probability and impact of each screened hazard. For each of the Agency's screened hazards:

- For **Probability**, the rating options are: Highly Likely, or Somewhat Likely
- For **Impact**, the rating options are: Catastrophic, Critical, or Limited

Table 2:

The screening assessment matrix is used for the Agency's hazards. The hazards have been placed in the appropriate/corresponding box/cell of the corresponding "Hazard Matrix" based on the Planning Team's experience. A subset of this group of hazards is used for the prioritization of the hazards in the following section.

Table 2: Screening Assessment Matrix

<i>Probability</i>	<i>Impact</i>			
		Catastrophic	Critical	Limited
	Highly Likely	Earthquake Flash flooding Mudslides Landslides	Freezing Power failure	Long-term Drought
	Likely	Terrorist Event		
	Somewhat Likely			Wildfires Volcanoes Wind storms

4.1.3 Hazard Prioritization

Using the hazard screening criteria and assessment matrix discussed in the previous two sections, the Agency's Planning Team identified the following two hazards to be the most likely to affect the Agency:

1. **Earthquake:** There are many faults running through the BDVWA's service area. The 1992 Landers earthquake caused catastrophic damage to the Agency's distribution system, wells, and reservoirs. FEMA replaced a large portion of the pipelines after the 1992 Landers Earthquake. The local faults could potentially damage 100% of the Agency's critical facilities.

2. **Flash Flooding, Mudslides/Landslides:** Flash flooding is very common in the San Bernardino County Deserts, and happens almost yearly. The last event of flooding was in 2013. The flash flooding was very heavy. Before the 2013 event there was flooding in 2011. These events uncover pipelines in the dirt roads throughout the distribution system. When San Bernardino County Road Department comes in after the flooding to re-cut the dirt roads, the heavy equipment and graders uncover the pipelines, sometimes taking the stem of the "gate-valve," and other times scraping the tops of the pipeline which leaves them exposed and vulnerable to damage. The AC pipe that was put in after the 1992 Landers earthquake does not like to be disturbed. It has been found as the pipe ages it is more susceptible to major failure, when disturbed or uncovered.

3. **Freezing Events:** The temperature range in the Morongo Basin is quite extreme. Temperatures range from 20 degrees in the winter to 115 degrees in the summer months. The BDVWA had a major freezing event during the winter of 2013, which froze water in the pipe coming out of a wellhead. Freezing this pipe can cause damage to the pump motor and rupture the pipe.

4. **Terrorist Event:** The largest Marine Base in the world is located within 5 miles of the BDVWA's eastern boundary. A major terrorist event at the Marine Base could have a negative effect on the water supply or damage to the infrastructure of the Agency, leaving the Agency with no power and no water in the system due to ruptured pipelines.

5. **Power Failure:** Power failure that is long lasting will affect the delivery of water from the wells that feed the water system. BDVWA pumps ground water from the underground aquifer into the distribution system as potable water and has no treatment systems in place. The water treatment is not needed, as the groundwater in the area meets or exceeds the Federal and State of California regulations for potable drinking water. However, without power from the local utility, the potable water in the reservoirs would be exhausted within 3 to 5 days in the winter months, and two days in the summer months.

Table 3

This table presents the summary results of prioritizing each hazard based on the level of risk. The "red-shaded" boxes are the top ranked hazards. As can be seen from the table, the hazards in the "red-shaded" boxes are the BDVWA's priority (or high profile) hazards, while the hazards in the "white" boxes are the less critical/important hazards for the Agency

Table: 2 Hazard Prioritization Matrix

<i>Probability</i>	<i>Impact</i>			
		Catastrophic	Critical	Limited
	Highly Likely	Earthquake Flash Flooding	Freezing	
	Likely	Power Failure		
	Somewhat Likely		Terrorist Event	Volcanoes Drought Wind Storms

The two highest profile hazards for the BDVWA are earthquake and flash flooding. While other hazards are profiled in the following sections for completeness, the Agency's priority and focus for the mitigation projects will be for only the two high profile hazards.

4.2 Hazard Profile

Summarizing Risk

Probability: **Highly Likely**

Impact: **Critical**

4.2.1 Earthquake Hazard

Table 4: Hazard Prioritization Matrix (Earthquake)

<i>Probability</i>	<i>Impact</i>			
		Catastrophic	Critical	Limited
	Highly Likely	Earthquake		
	Likely			
	Somewhat Likely			

The following section describes the hazard and then details the historical events associated with this hazard for the Bighorn Desert View Water Agency.

General Definition: An earthquake is a sudden, rapid shaking of the Earth caused by the breaking and shifting of rock beneath the Earth's surface. For hundreds of millions of years, the forces of plate tectonics have shaped the Earth as the huge plates that form the Earth's surface move slowly over, under, and past each other. Sometimes the movement is gradual. At other times, the plates are locked together, unable to release the accumulating energy. When the accumulated energy grows strong enough, the plates break free causing the ground to shake. Most earthquakes occur at the boundaries where the plates meet. However, some earthquakes occur in the middle of plates.

Ground shaking from earthquakes can collapse buildings and bridges; disrupt gas, electric, water utilities, and phone service; and sometimes trigger landslides, avalanches, flash floods, fires, and huge, destructive ocean waves (tsunamis). Buildings with foundations resting on unconsolidated landfill and other unstable soil, and trailers and homes not tied to their foundations are at risk because they can be shaken off their mountings during an earthquake. When an earthquake occurs in a populated area, it may cause deaths and injuries and extensive property damage.

Earthquakes strike suddenly, without warning. Earthquakes can occur at any time of the year and at any time of the day or night. On a yearly basis, 70 to 75 damaging earthquakes, occur throughout the world. Estimates of losses from a future earthquake in the United States approach \$200 billion.

There are 45 states and territories in the United States at moderate to very high risk from earthquakes, and they are located in every region of the country. California experiences the most frequent damaging earthquakes; however, Alaska experiences the greatest number of large earthquakes - most located in uninhabited areas. The largest earthquakes felt in the United States were along the New Madrid Fault in Missouri, where a three-month long series of quakes from 1811 to 1812 included three quakes larger than a magnitude of 8 on the Richter Scale. These earthquakes were felt over the entire Eastern United States, with Missouri, Tennessee, Kentucky, Indiana, Illinois, Ohio, Alabama, Arkansas, and Mississippi experiencing the strongest ground shaking.

Description: There are several earthquake faults located within the BDVWA's service area.

While there have been many earthquakes in and around the Agency's service area, only one earthquake has actually caused major damage to the Agency's facilities. In 1992, the Big Bear-Landers Earthquake destroyed above ground Reservoirs, approximately 75 miles of pipelines in the distribution system, and damaged several groundwater wells.

A source for the earthquake profile was a report that describes a new earthquake rupture forecast for California developed by the 2007 Working Group on California Earthquake Probabilities (WGCEP 2007). The Earthquake Working Group was organized in September 2005, by the U.S. Geological Survey (USGS), the California Geological Survey (CGS), and the Southern California Earthquake Center (SCEC) to better understand the locations of faults in California.

The group produced a revised, time independent forecast for California for the National Seismic Hazard Maps.

Figure 1: Earthquake Fault Map

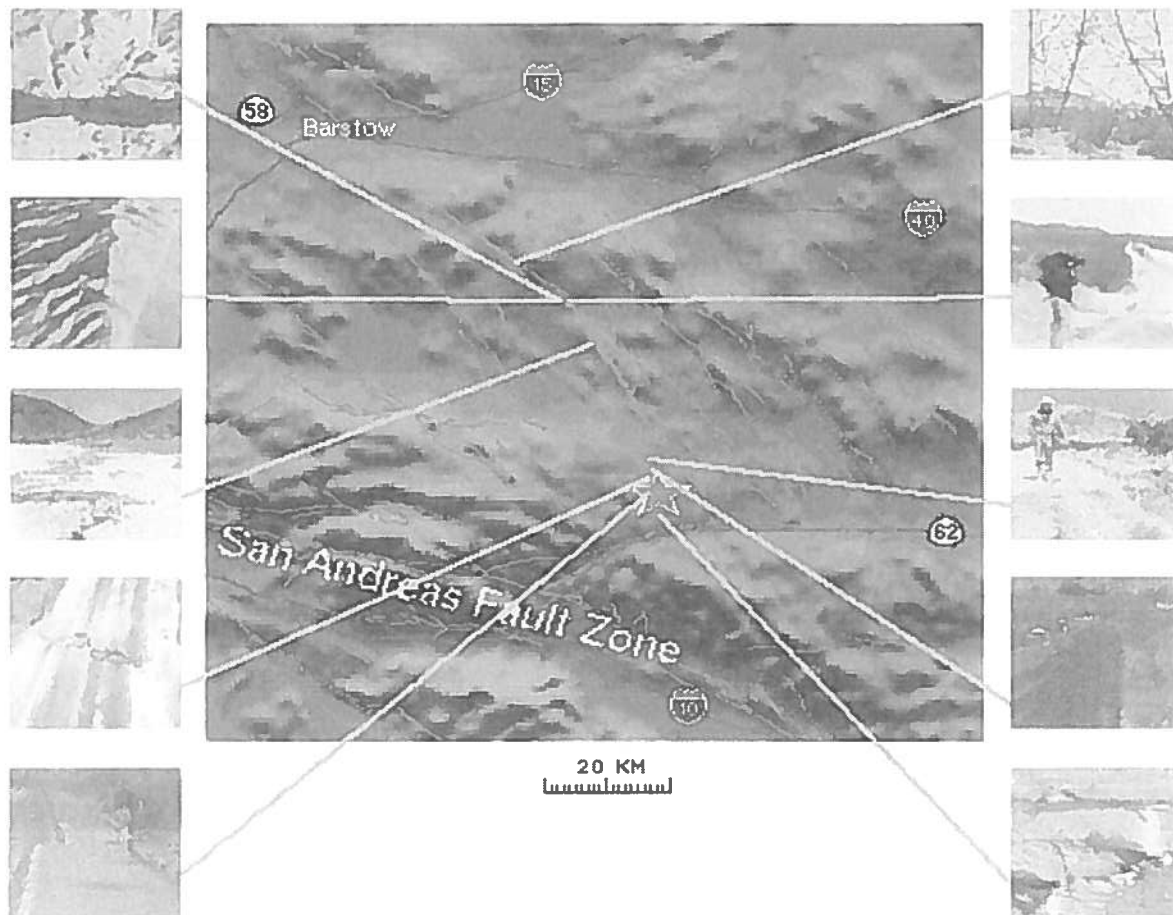
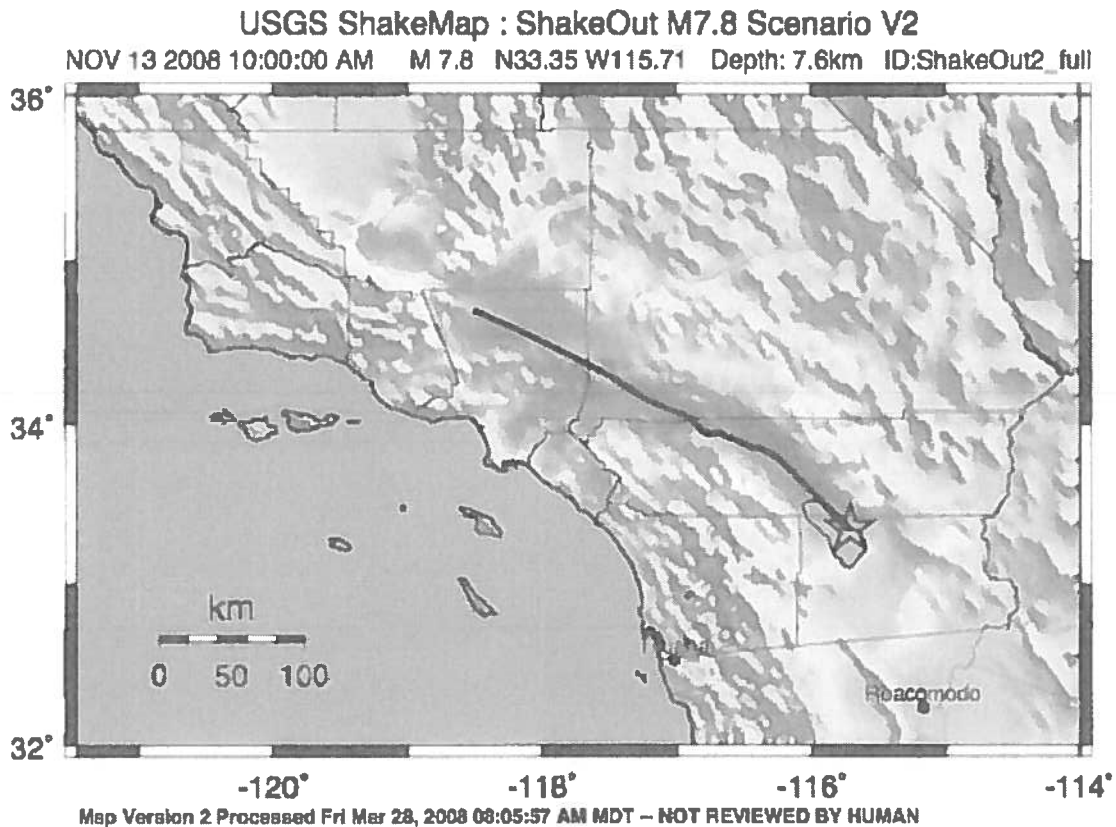


Figure 2: Showing BDVWA's Boundaries with Fault lines



Table 5: Earthquake History

Earthquake Name	Date of Earthquake	Magnitude of Quake	Damage Description
Wrightwood Earthquake	Dec. 8, 1812	7.5	40 deaths.
Cajon Pass	July 22, 1899	5.7	Landslides, heavy damage to buildings in San Bernardino. No deaths.
San Jacinto	Dec. 25 1899	6.5	San Jacinto & Hemet had severe damage. Six deaths. Chimneys thrown down and walls cracked in Riverside.
Elsinore	May 15, 1910	6	Chimney's toppled.
San Jacinto	April 21, 1918	6.8	Most damage in San Jacinto and Hemet. Several injuries, one death. Landslides, cracks in ground, roads, and canals.
North San Jacinto	July 22, 1923	6.3	Chimney's toppled, broken windows, 2 critical injuries, no deaths. San Bernardino hospital and Hall of Records badly damaged.
San Jacinto Terwilliger	March 25, 1937	6.0	Few chimneys damaged, some plaster cracked, a few windows broken. Minimal damage mostly due to sparsely populated area.
Fish Creek Mountains	Oct 21, 1942	6.6	Little damage due to remote location, felt over a large area. Rockslides
Desert Hot Springs	Dec 4, 1948	6.0	Widespread damage. In Los Angeles, a 5,800 gallon water tank split, water pipes broken in Pasadena, at UCLA, and San Diego. Walls cracked in Escondido and Corona.
1954 San Jacinto	March 19, 1954	6.4	Minor widespread damage. Parts of San Bernardino experienced a temporary blackout.
Borrego Mountain	April 8, 1968	6.5	Largest most damaging earthquake in 16 years. Damage across most of Southern California. Landslides, huge boulders thrown.
Lytle Creek	Sept. 12, 1970	5.2	Landslides, rock falls, 4 injuries. San Bernardino radio station knocked off the air.
White Wash	Feb 25, 1980	5.5	Landslides. Windows and dishes broken. Fire broke out in Rancho Mirage due to a gas line rupture in an empty home.
1988 Upland and 1990 Upland	June 26, 1988 and Feb 28, 1990	4.7 and 5.4 respectively	Landslides, damage to San Antonio Dam, 38 minor injuries. Public-\$4.87M; business-\$4.7M; private-\$2.4M; total-\$12M; 501 homes and 115 businesses damaged or destroyed.
North Palm Springs	July 8, 1986	5.6	29 injuries. Destruction or damage of 51 homes. Landslides. Damage over \$4M.
Joshua Tree	April 22, 1992	6.1	Minor injuries.
2 separate earthquakes: Landers and Big Bear	June 28, 1992	Landers 7.3 Big Bear - 6.4	Landslides in San Bernardino Mountains. Substantial damage in Big Bear. Landers was the largest earthquake in Southern California in 40 years. Earthquake ruptured 5 separate faults. Total rupture length was 53 miles. One death, 402 injuries. Private-\$47.5M; business-\$17M; public-\$26.6M; total-\$91M; 77 homes destroyed, 4,369 homes damaged, 139 businesses damaged.
Hector Mine	Oct. 16, 1999	7.1	Very remote location. Ruptured in both directions from the epicenter.



PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Moderate/Heavy	Heavy	Very Heavy
PEAK ACC.(%g)	<.17	.17-1.4	1.4-3.9	3.9-9.2	9.2-18	18-34	34-65	65-124	>124
PEAK VEL.(cm/s)	<0.1	0.1-1.1	1.1-3.4	3.4-8.1	8.1-16	16-31	31-60	60-116	>116
INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

Appendix C presents the earthquake profile findings for the BDVWA service area. The ground motion findings indicate the peak ground acceleration (PGA) within the Agency's service area could potentially exceed XX percent. Typically, any acceleration over 3 percent is considered excessive. Also, a map shown in **Appendix C** illustrates that there is a 97% probability that Southern California will have a 7.6 scale earthquake within the next 30 years.

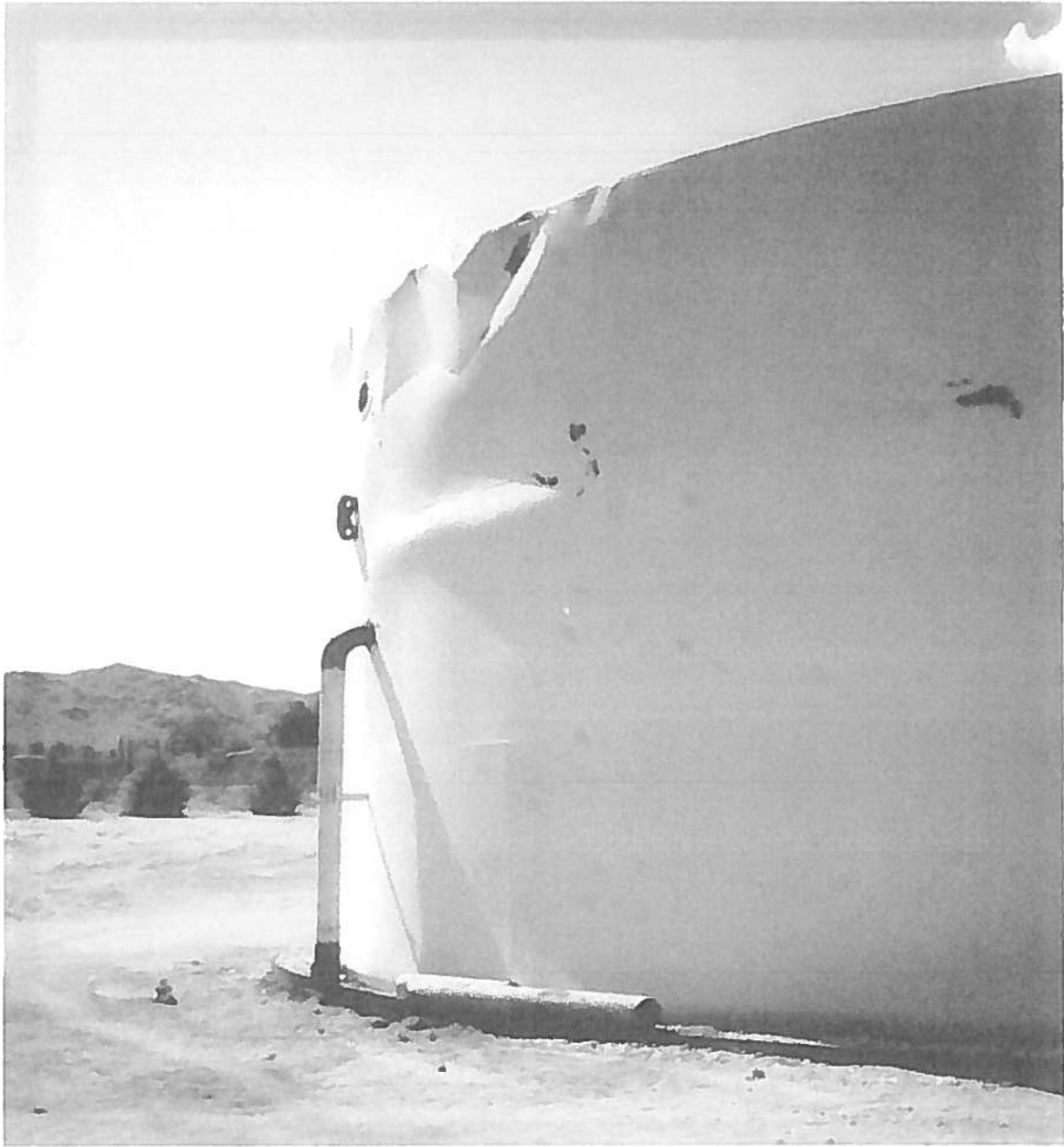
Since 2005, the BDVWA has had no damages to facilities resulting from earthquakes. Table 8 summarizes the occurrences, impact, and costs of this hazard.

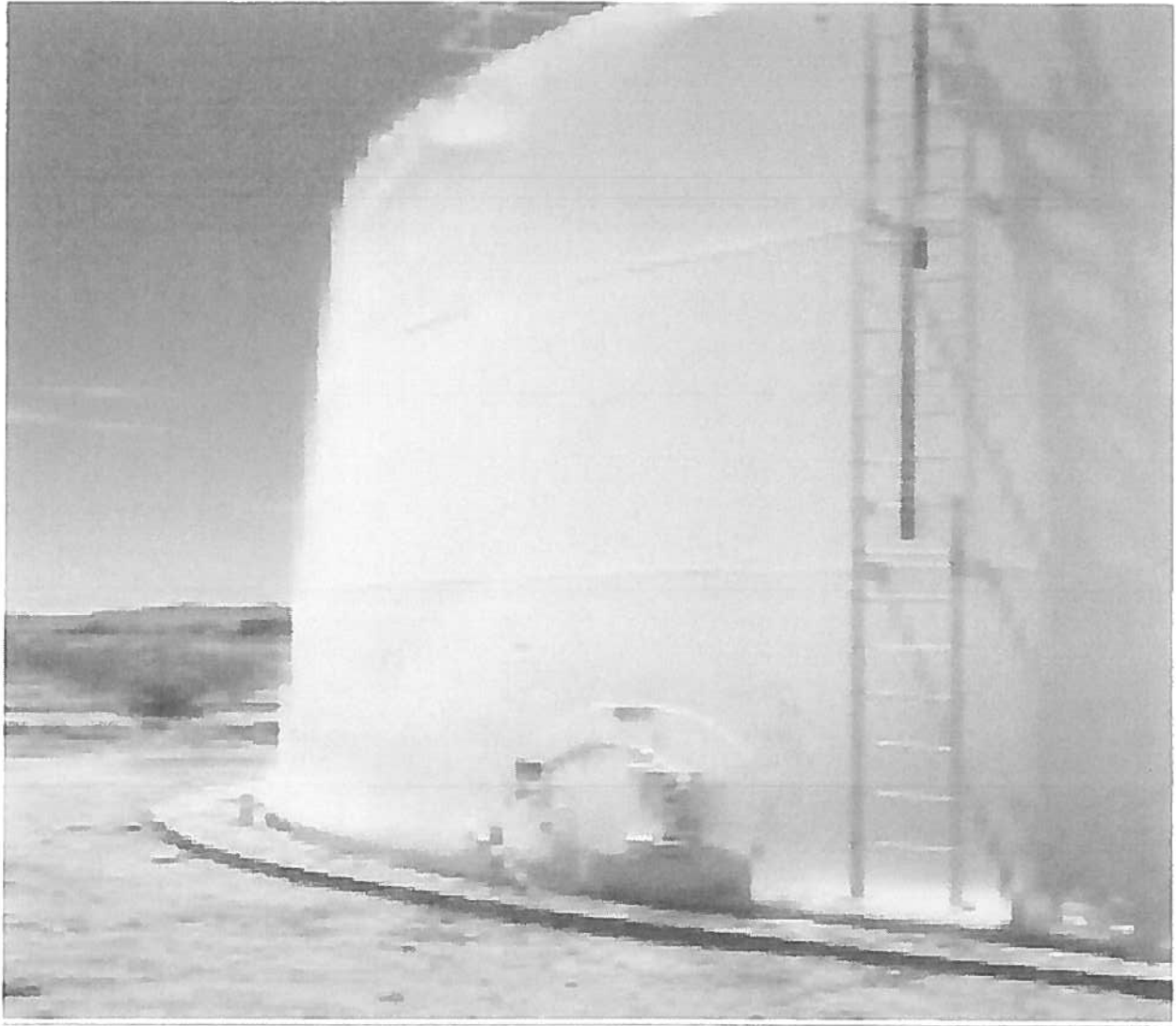
Summarizing Risk

Probability: **Highly Likely**

Magnitude/Severity: **Catastrophic**

Pictures of some damage to Bighorn in 1992





4.2.2 Freezing

Table 6

Probability	<i>Impact Freezing Events</i>			
		Catastrophic	Critical	Limited
	Highly Likely			
	Likely	Freezing		
	Somewhat Likely			

Freezing Events: The temperature range in the Morongo Basin is quite extreme. Temperatures range from 20 degrees in the winter to 115 degrees in the summer months. The BDVWA had a major freezing event during the winter of 2013, which froze water in the pipe coming out of a wellhead. Freezing this pipe can cause damage to the pump motor and rupture the pipe.

Mitigation:

Purchase pipeline heaters to keep the water in the wellhead and output pipeline from freezing.

4.2.3 Power Failure

Table 7

Probability	<i>Impact Power Failure</i>			
		Catastrophic	Critical	Limited
	Highly Likely	Power Failure		
	Likely			
	Somewhat Likely			

Power Failure Definition: Power failure that is long lasting will affect the delivery of water from the wells that feed the water system. BDVWA pumps ground water from the underground aquifer into the distribution system as potable water and has no treatment systems in place. The water treatment is not needed, as the groundwater in the area meets or exceeds the Federal and State of California regulations for potable drinking water. However, without power from the local utility, the potable water in the reservoirs would be exhausted within 3 to 5 days in the winter months, and two days in the summer months.

Mitigation:

BDVWA will need to purchase generators for back-up power to be able to power up wells and booster station in the event of a long-term power failure.

Generator sizing:

See attachment "B"

4.2.4 Long Term Drought Hazard

The following section describes the hazard and then details the historical events associated with this hazard for the Bighorn Desert View Water Agency.

Table 8: Hazard Prioritization Matrix (Drought)

<i>Probability</i>	<i>Impact Long Term Drought</i>		
		Catastrophic	Critical
	Highly Likely		Drought
	Likely		
	Somewhat Likely		

General Definition: A drought is a period of drier-than-normal conditions that results in water-related problems. Precipitation (rain or snow) falls in uneven patterns across the country. When no rain or only a small amount of rainfalls, soils can dry out and plants can die. When rainfall is less than normal for several weeks, months, or years, the flow of streams and rivers declines, water levels in lakes and reservoirs fall, and the depth to water in wells increases. If dry weather persists and water supply problems develop, the dry period can become a drought. The first evidence of drought usually is seen in records of rainfall. Within a short period of time, the amount of moisture in soils can begin to decrease. The effects of a drought on flow in streams and rivers or on water levels in lakes and reservoirs may not be noticed for several weeks or months. Water levels in wells may not reflect a shortage of rainfall for a year or more after the drought begins. A period of below-normal rainfall does not necessarily result in drought conditions. Some areas of the United States are more likely to have droughts than other areas. In humid, or wet, regions, a drought of a few weeks is quickly reflected in a decrease in soil moisture and in declining flow in streams. In arid, or dry, regions, people rely on groundwater and water in reservoirs to supply their needs. They are protected from short-term droughts, but may have severe problems during long dry periods because they may have no other water source if wells or reservoirs go dry.

Description: Because the Agency is in the business of selling water, drought can be a disastrous hazard to the Agency. A drought is defined as a series of years with less than average rainfall and typically lasts seven years. The BDVWA is currently experiencing a drought that started in 1998.

Southern California has a history of severe droughts. There have been six severe extended droughts within the last 400 years (the most severe drought lasted from approximately 1650 to 1700). The U.S. Weather Service is forecasting 20 more years of below average rainfall.

The 2009 California Water Plan states that Water Year 2009 was the third consecutive dry year for the State. Because of losses caused by this drought, the U.S. Department of Agriculture in September designated all of the counties within the San Joaquin River, Tulare Lake, and Central Coast Hydrologic Regions as either Primary Natural Disaster Areas or Natural Disaster Areas (statewide total was 21 counties and 29 counties, respectively). The State entered the 2009-2010 Water Year with its key supply reservoirs at only 68 percent of average.

The fundamental drought impact to water agencies is a reduction in available water supplies. As a result, historic occurrences of drought have encouraged water agencies to review the reliability of their water supplies and to initiate planning programs addressing identified needs for improvement. In addition, public and media interest in droughts fosters heightened awareness of water supply reliability issues in the Legislature. More than 50 drought-related legislative proposals were introduced during the severe, but brief 1976-77 drought. About one-third of these eventually became law. Similar activity on drought-related legislative proposals was observed during the 1987-92 droughts. One of the most significant pieces of legislation was the 1991 amendment to the Urban Water Management and Planning Act, in effect since 1983, which requires water suppliers to estimate available water supplies at the end of one, two, and three years, and to develop contingency plans for shortages of up to 50 percent. The Agency's 2005 Urban Water Management Plan (UWMP) (EVWD, 2006) presents water supply to demand comparisons through 2030. The 2010 UWMP will be completed by June 30, 2011 and will update any demand and supplies documented in the 2005 UWMP and will also require all water agencies to reduce their water demand by 20 percent by the year 2020. The plan also presents water supply to demand comparisons for single dry to multiple dry year scenarios. The comparisons show that the Agency has adequate supply through 2030.

If the current drought extends for the period that the U.S. Weather Service is currently forecasting, the Agency will have difficulty in meeting its water supply demands without additional supplies. The Bunker Hill groundwater basin is experiencing the lowest groundwater levels in 40 years and is currently in overdraft. If this condition continues, the Agency will need to purchase more State Project Water to supply the demand for the customer base. Table 9 summarizes the occurrences, impact, and costs of this hazard.

Table 9: Drought History

Date of Event	Type of Damage	Amount of Damage	Statewide or Local
1976-1977	Annual statewide runoff dropped 21% below average.	1976-\$888.5M; 1977-\$1.775M; TOTAL-\$2.7B	various

1987-1992	Annual statewide runoff dropped 27% below average. Twenty-three counties had declared local drought emergencies by the end of 1991.	SWP terminated services to agricultural contractors and provided only 10% of requested urban deliveries. Appropriate \$34.8M from the General Fund to the Department for financial assistance to local water suppliers for emergency drought-relief water supply, technical water conservation assistance, and operation of the Department's Drought Information Center.	various
1998-current	San Bernardino National Forest - dead and dying trees, bark beetle infestations.	\$12,100 crop damage.	various

4.2.5 Flash Flooding Hazard

Table 10: Hazard Prioritization Matrix (Flash Flooding)

<i>Probability</i>	<i>Impact Flash Flooding</i>			
	Highly Likely	Catastrophic	Critical	Limited
	Likely	Flash Flooding		
	Somewhat Likely			

The following section describes the hazard and then details the historical events associated with this hazard for the Bighorn-Desert View Water Agency.

General Definition:

A sudden flood of great volume, usually caused by a heavy rain.

Description:

Flash flooding occurs in the summer as well as the winter. In summer there is the Monsoon Season in June and July, and sometimes in August. During Monsoon heavy rainstorms that form in the Gulf of Mexico move into the area of Arizona, Texas, and the Deserts of California. These storms bring powerful winds and heavy rains within a short period of time and can dump two to five inches of rain within a ½-hour period.

FEMA Flood Inundation Mapping: There is no FEMA Flood Inundation Map for the community of Landers and the surrounding community at the time of this writing.



The Mojave River, 2011





Summarizing Risk

Probability: **Highly Likely**
 Magnitude/Severity: **Limited**

4.2.6 Flooding Hazard

Table 11: Hazard Prioritization Matrix (Flooding)

<i>Probability</i>	<i>Impact</i>		
		Catastrophic	Critical
	Highly Likely		
	Likely		Flooding
	Somewhat Likely		

The following section describes the hazard and then details the historical events associated with this hazard for the Bighorn-Desert View Water Agency.

General Definition: A flood, as defined by the National Flood Insurance Program is: "A general and temporary condition of partial or complete inundation of two or more acres of normally dry land area or of two or more properties (at least one of which is your property) from:

- Overflow of inland or tidal waters, or
- Unusual and rapid accumulation or runoff of surface waters from any source, or a mudflow.

The collapse or subsidence of land along the shore of a lake or similar body of water as a result of erosion or undermining caused by waves or currents of water exceeding anticipated cyclical levels that result in a flood."

Floods can be slow or fast rising but generally develop over a period of days. Mitigation includes any activities that prevent an emergency, reduce the chance of an emergency happening, or lessen the damaging effects of unavoidable emergencies. Flooding tends to occur in the summer and early fall because of the Monsoon and is typified by increased humidity and high summer temperatures. The standard for flooding is the so-called "100-year flood," a benchmark used by the Federal Emergency Management Agency to establish a standard of flood control in communities throughout the country. Thus, the 100-year flood is also referred to as the "regulatory" or "base" flood. Actually, there is little difference between a 100-year flood and what is known as the 10-year flood. Both terms are really statements of probability that scientists and engineers use to describe how one flood compares to others that are likely to occur. In fact, the 500-year flood and the 10-year flood are only a foot apart on flood elevation - which means that the elevation of the 100-year flood falls somewhere in between. The term 100-year flood is often incorrectly used and can be misleading. It does not mean that only one flood of that size will occur every 100 years. What it actually means is that there is a one percent chance of a flood of that intensity and elevation happening in any given year. In other words, it is the flood

elevation that has a one percent chance of being equaled or exceeded each year. And it could occur more than once in a relatively short period of time. (By comparison, the 10-year flood means that there is a ten percent chance for a flood of its intensity and elevation to happen in any given year.)¹

Figure 2: Flood Map

Due to the lower population of this area, there are no FEMA Flood maps for this area of San Bernardino County.

In recent history, there have been 17 floods, storms, and flash floods in the Agency's general service area. Table 11 summarizes the occurrences, impact, and costs of this hazard.

Table 11: Flooding History

Date of event	Type of Damage	Amount of Damage	Statewide or Local
Dec-55	74 deaths	\$200 M	State wide
Apr-58	13 deaths, several injuries	\$20 M, plus \$4 M agricultural	State wide
Fall 1965	Abnormally heavy and continuous rainfall.	Public - \$5.8 M; private \$16.0 M; Total - \$21.8 M	Riverside, San Bernardino, Ventura, San Diego Counties
Winter 1966	Abnormally heavy and continuous rainfall.	Public - \$14.6 M; private \$14 M; Total - \$28.7 M	Various
Winter 1969	Storms, flooding, 47 dead, 161 injured. An alluvial flood and debris flow on Deer Creek in San Bernardino County killed 11 people.	Public - \$185 M, Private - \$115 M; Total - \$300 M	Various
Sep-76	High winds, heavy rains, and flooding	Public - \$65.7 M; private - \$54.3 M; Total - \$120 M	Imperial, Riverside, San Bernardino, San Diego Counties
Winter 1978	14 dead, at least 21 injured	Public - \$73 M; private - \$44 M; Total - \$117 M; 2,538 homes destroyed	Various
Jul-79		Public - \$3.0 M; private - \$22.9 M; Total - \$25.9 M	Riverside
Feb-80	Rain, wind, mud slides, and flooding		Various
Winter 82-83	Heavy rains, high winds, flooding, levee breaks	Public - \$151 M; private - \$159 M; agricultural - \$214 M; Total - \$524 M	Various
Aug-83	High winds, storms, and flooding; 3 deaths	Public - \$10 M, private - \$15 M, agricultural - \$10 M; Total - \$35 M	Inyo, Riverside, San Bernardino Counties
Feb-92	Flooding, rainstorms, mud slides; 5 deaths	Public - \$95 M; private - \$18.5 M; business - \$8.5 M, agricultural - \$1.5 M; Total - 123 M	Los Angeles, Ventura, Kern, Orange, San Bernardino Counties
Dec-92	Snow, rain, and high winds, 20 deaths, 10 injuries	Total - \$600 M	Various
Jan-95	11 deaths	Public - \$299.6 M; individual - \$128.4 M; businesses - \$58.4 M; highways - \$158 M; ag - \$97 M; Total - \$741.4 M; damage to homes: major-1,883; minor-4, 179; destroyed-370.	Various
Feb-95	17 deaths	Public - \$190.6 M; individual - \$122.4 M; business - \$46.9 M; highways - \$79 M; ag - \$651.6 M; Total - approximately \$1.1 billion; damage to homes: major-1,322; minor-2,299; destroyed-267	57 counties (all except Del Norte)
Feb-98	17 deaths	\$550 M	Various

Date of event	Type of Damage	Amount of Damage	Statewide or Local
Dec-03	15 deaths		San Bernardino – Waterman Canyon from Lytle Creek River.

4.3 Inventory Assets

This section provides an overview of the assets in the Bighorn-Desert View Water Agency and the hazards to which these facilities are susceptible.

4.3.1 Population

The total population of Bighorn-Desert View Water Agency is currently approximately 6,500

4.3.2 Buildings

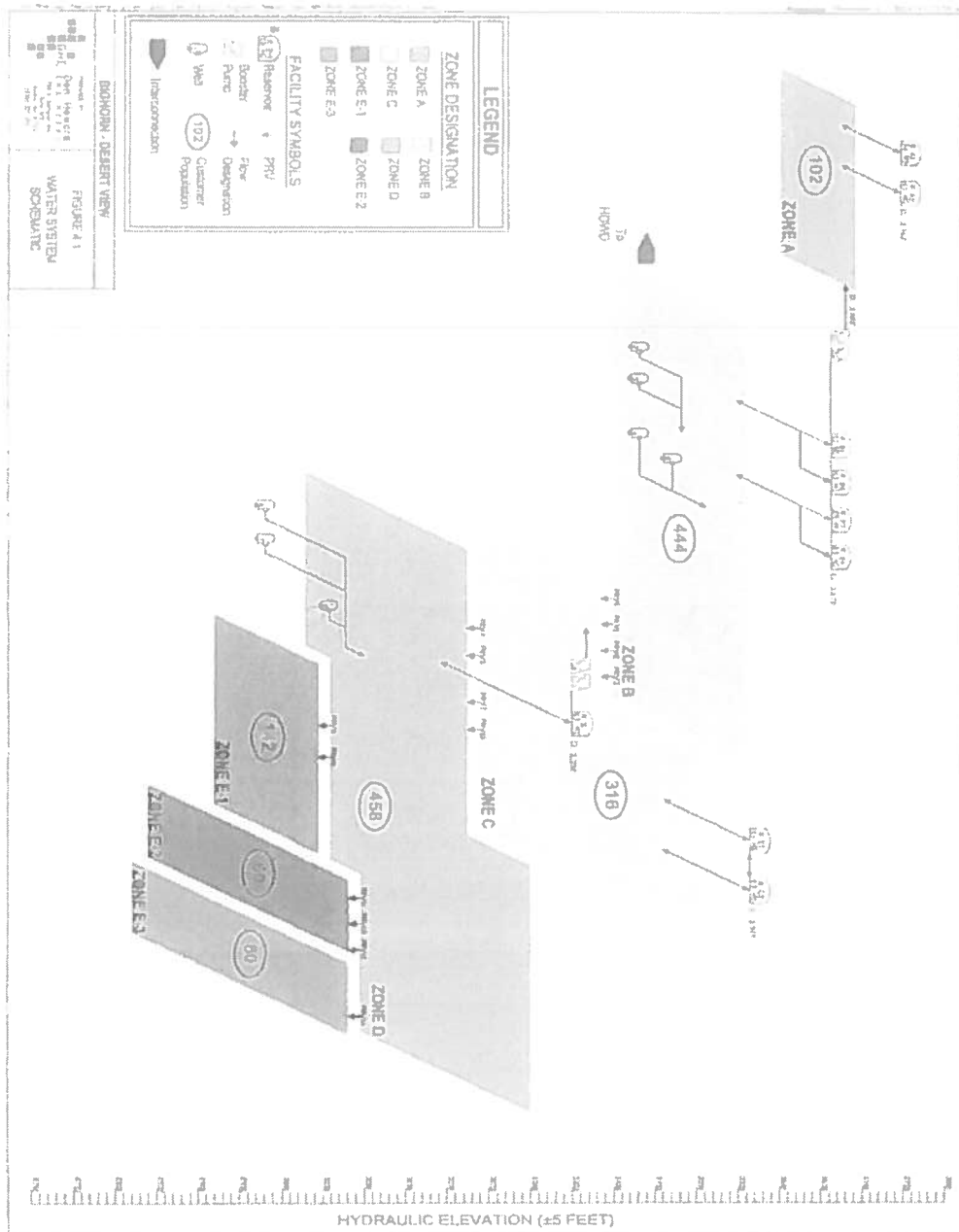
As of August 2014, the BDVWA operates and maintains the following facilities:

- XX pressure zones
- Existing reservoirs with a total storage capacity of XXXX million gallons (MG)
- Existing wells with a total pumping capacity of XXX million gallons a day (mgd)
- The Agency currently has no water Treatment Facilities
- Approximately 100 miles of distribution and transmission facilities (sizes 4 inches to 8 inches in diameter).

Figure 4 is a map of the Agency's facilities and how the facilities flow to provide portable drinking water to the residents of the area.

Figure 4

Pumping System Map with facilities location, wells, reservoirs :



Potable water service to Landers, Flamingo Heights, and Johnson Valley is provided by the Bighorn-Desert View Water Agency. BDVWA currently serves more than 6,800 residents through approximately 1,850 connections.

Water demands in the service area vary throughout the year with maximum daily summer demands estimated at XXXX in August. The BDVWA currently has one source of water, ground water, pumped from the underground aquifer. There is an Intertie with Hi-Desert Water District that could be utilized in an emergency.

4.3.3 Critical Facility List

This section provides a listing of the critical facilities in Bighorn-Desert View Water Agency. The primary contact for all the BDVWA facilities is the following:

Primary Contact:

Marina West, General Manager
Phone: 760-364-2315
bdvwd2@mindspring.com

Because the Agency's exact facilities location is extremely sensitive, especially due to increased concerns for National Security, only general locations have been included in this section.

Critical Facilities:

As deemed by the Planning Team, all critical facilities are listed on the following pages.

To minimize any hazard mitigation potential from the Agency's newly constructed facilities, all future reservoirs will be constructed adequately for existing seismic conditions, which includes a swivel joint for the inlet/outlet to allow movement and anchoring the tank down with bolts similar to a large concrete footing. In addition, all buildings will meet the current seismic building codes.

Table 13: Summary of the critical facilities for the Agency.

Plants A-1 and A-2

Two reservoirs

Size: 35,000 SF

Facility Description: Water Storage

Bighorn and Hi-Desert Water Intertie

Water Plant

Size: 2,000 SF

Facility Description: Location the BDVWA can deliver water to Hi-Desert Water or Hi-Desert Water can supply water to BDVWA. Intertying both agencies' water supplies together

Wells 2 and 3

Size: 25,000 SF

Facility Description: two water wells at this site

Well 4

Water well and Water Hauling Station

Size: 80,000 SF

Facility Description: Water Well and Water Hauling Station

Plant "C"

Water Reservoir

Size: 10,000 SF

Facility Description: Water Storage Tank C-1 and C-2

Well Site 10

Water Plant

Size: 25,000 SF

Facility Description: Water Well

Well 9

Water Plant

Size: 10,000 SF

Facility Description: Water Well

Well 6 and 7

Water Plant

Size: 25,000 SF

Facility Description: Two Water wells

Water Well 3-A

Water Plant

Size: 10,000 SF

Facility Description: Water well, being turned over to BDVWA by the County of San Bernardino

Water Well and Reservoir

Water Plant

Size: 120,000 SF

Facility Description: Water Storage and water well, being turned over to BDVWA from County of San Bernardino

Well 8

Water Plant

Size: 100,000 SF

Facility Description: Water Well

“C” Tanks, Reservoirs

Water Reservoir

Size: 100,000 SF

Facility Description: Water Storage

BDVWA Yard

Water Plant

Size: 120,000 SF

Facility Description: Water Well, Office and Maintenance Buildings, three “B” Water Reservoir 1, 2, and 3

“B” Tanks, Reservoirs

Size: 80,000 SF

Facility Description: Water Storage, warehouse and Board Room

Pipeline System locations:

Chaparral Street

Water pipeline

Size: 6 and 8 inch

Length: 200 feet

Butterfly between Tahoe and Cambria Streets

Water Pipeline

Size: 6-inch AC pipe

Length: 500 feet

Starlight and Tanger

Water Pipeline

Size: 8-inch AC pipe

Length: 5,000 feet

Mir Street between Old Woman Springs and Geronimo

Water Pipeline

Size: 8-inch AC pipe

Length: 5,000 feet

Lodi Street, between Delgada and BDVWA Boundary

Water Pipeline

Size: 6-inch AC pipe

Length: 200 feet

Hopi Street

Water pipeline

Size: 6-inch AC

Length: 100 feet

Marmac and Wamego Streets

Water Pipeline

Size: 6-inch AC

Length: 1,200

Oasis Trail, between Novato Road and New Dixie Line Road

Water Pipeline

Size: 8-inch AC

Length: 200 feet

Geronimo Trail, between Desert View and Novato

Water pipeline

Size: 6-inch AC

Length: 200 feet

Acoma, South of Desert View

Water Pipeline

Size: 4-inch

Length: 200 feet

Acoma Trail, Between Navato Road and Desideria

Water Pipeline

Size: 8-inch AC

Length: 2,000 feet

All areas between BDVWA Boundary on the east and North, Geronimo Trail on the West and New Dixie Line on the South

Water Pipeline

Size: 8-inch AC

Length: 8,500 feet

Cambia Avenue Between Gavilan Road and Cubero Road

Water pipeline

Size: 8-inch AC

Length: 1,000 feet

Fortuna Avenue and Camulos

Water Pipeline

Size: 6-inch

Length: 500 feet

Linn Road, between Acoma Trail and Cherokee Trail

Water Pipeline

Size: 6-inch AC

Length: 1,500 feet

Lum Lane on the north, Olga Lane on the West, Dusty Mile Road on the East and Encantado on the South

Water Pipeline

Size: 8-inch and 6-inch

Length: 2.1 miles

Kickapoo Trail, between Happy Trail and Shannon Road

Water Pipeline

Size: 6-inch AC

Length: 200 feet

Lin Road, between Acoma Trail and Deer Road

Water Pipeline

Size: 8-Inch AC

Length: 200 feet

Ming Road, between Dusty Mile and Jemez Trail

Water Pipeline

Size: 6-inch AC

Length: 500 feet

Dusty Mile between By Pass Road and Shannon Road

Water Pipeline

Size: 8-inch

Length: 1,000 feet

Shawnee Trail, between Mesquite and Ming Road

Water Pipeline

Size: 8-inch

Length: 1,000 feet

4.4 Vulnerability Assessment

The team reviewed pictures of each of the Agency's facilities. The picture was overlaid on a map of the area, the Team Members each having a long history in Yucca Valley, as residents and people who work in the water agencies in the Yucca Valley basin, and the Hi-Desert area, these people have the knowledge of the affects of disasters in and around the community and have a vast knowledge of what Emergency Management. This information gave the Team the expertize to assess the system and give valuable input into the assessment and vulnerabilities to the system.

4.4.1 Methodology

Ranking the facilities by their importance to the Agency's production of water and using this ranking to develop a percentage of importance for each facility, estimated the annual economic impacts. This percentage was applied to the projected 2013-2014 annual water revenue for the Agency of \$444,000.00 to obtain the annual economic impact for each facility.

4.4.2 Dam Inundation Vulnerability Analysis

Population: None

Critical Facilities: There are no earthen or concrete Dam's or any other type of Dam in the BDVWA Service area.

4.4.3 Drought Vulnerability Analysis

Population: Approximately 100% of the Agency's population is vulnerable.

Critical Facilities: Approximately 100% of the BDVWA's critical facilities are vulnerable.

The specific critical facilities vulnerable in Bighorn-Desert View Water Agency are: All wells are critical to drought because they supply the water for the Agency. During a long-term drought, the levels in the wells become lower and therefore, more pumping is required (increasing the pumping costs) and many wells are not able to produce as much water during the peak demands. Also, since the water in the underground aquifer is dropping during a drought period, the well shaft and bowels need to be lowered, to bring the pump deeper into the aquifer to produce water.

Of the critical facilities, 9 are wells. This generates the 100% of the well site's being at risk. Reservoirs and pipelines are NOT critical in a drought.

Estimated Losses: The economic loss resulting from this hazard is approximately \$20,000 a month

. The loss from damage to structures from this hazard is approximately \$0.

The BDVWA adopted Ordinance No. 11P-01, Water Conservation Plan on August 23, 2011 which, established the policy and conservation measures needed during drought conditions.

See Appendix D – FIND THIS AND PUT IT IN THE BACK, TAKE IT OUT

4.4.4 Earthquake Vulnerability Analysis

Population: Approximately 100% of the BDVWA's population is vulnerable.

Critical Facilities: Approximately 100% of the BDVWA's critical facilities are vulnerable.

All facilities are vulnerable in the event of a major earthquake within the Bighorn-Desert View Water Agency Boundaries. There are many faults that affect the Agency's facilities: Landers, Johnson Valley, Homestead Valley, Emerson and Camp Rock Faults, and many more are close or run through the BDVWA boundaries, such as the Big Bear and San Andreas Fault. If any of these faults rupture it would have a negative effect on the BDVWA's facilities.

Estimated Losses: The economic loss resulting from this hazard is approximately \$800,000. The loss from damage to structures from this hazard is approximately \$6.5 Million.

Losses are estimated assuming:

1. The projected 2014/2015 BDVWA revenue is used to estimate the lost annual revenue.
2. The BDVWA has 6 months of lost revenue from the earthquake.
3. All the Agency's critical facilities are at risk, including 80% of the BDVWA's pipelines.
4. Without the critical facilities no revenue can be generated for the BDVWA.

The percent of Agency's population at risk: 100%

4.4.5 Flash Flooding Vulnerability Analysis

Population: Approximately 50% of the BDVWA's population is vulnerable.

Critical Facilities: Approximately 50% of the BDVWA's critical facilities are vulnerable.

4.4.6 Flooding Vulnerability Analysis

Population: Approximately 50% of the Agency's population is vulnerable.

Critical Facilities: Approximately 50% of the Agency's critical facilities are vulnerable.

The BDVWA is not a member of the National Flood Insurance Program (NFIP) and is fortunate to not have any identified Repetitive and Severe Repetitive Loss properties. However, the Town of Yucca Valley and the City of 29 Palms are members of the NFIP.

4.4.7 Wildfires Vulnerability Analysis

Population: Approximately 0% of the Agency's population is vulnerable.

Critical Facilities: Approximately 0% of the BDVWA's critical facilities are vulnerable.

Since there is little to burn in this desert area, wild fires are not likely to become a concern.

4.4.8 Potential Loss Estimation

Table 14 summarizes the economic impacts on the critical facilities for the BDVWA.

Table 14: Economic Impacts on Critical Facilities for the Agency

Plant A-1 and A-2

Facility Replacement Cost: \$ 1.5 million

Estimated Economic Impact: \$2,500.00 a month in lost sales

Description of Economic Impact: loss of water sales

Bighorn/Hi Desert Intertie

Facility Replacement Cost: \$40,000

Estimated Economic Impact: \$1,500.00 a month in lost sales

Description of Economic Impact: loss of water sales

Well 2 and 3

Facility Replacement Cost: \$1.6 million

Estimated Economic Impact: \$2,500 a month in lost sales

Description of Economic Impact: loss of water sales

Well 4

Facility Replacement Cost: \$800,000

Estimated Economic Impact: \$2,800 a month in lost sales

Description of Economic Impact: loss of water sales

Plant "C"

Facility Replacement Cost: \$800,000

Estimated Economic Impact: \$2,500 a month in lost sales

Description of Economic Impact: Loss of water sales

Well Site 10

Facility Replacement Cost: \$800,000

Estimated Economic Impact: \$2,500 a month in lost sales

Description of Economic Impact: loss of water sales

Well 9

Facility Replacement Cost: \$800,000

Estimated Economic Impact: \$

Description of Economic Impact: Loss of water sales

Well 6 and 7

Facility Replacement Cost: \$1.6 million

Estimated Economic Impact: \$5,000 a month in lost sales

Description of Economic Impact: loss of water sales

Well 3-A

Facility Replacement Cost: \$800,000

Estimated Economic Impact: \$2,500 a month in lost sales

Description of Economic Impact: loss of water sales

County Well and Storage Site

Facility Replacement Cost: \$1.0 million

Estimated Economic Impact: \$3,500 a month in lost sales

Description of Economic Impact: loss of water sales

Well 8

Facility Replacement Cost: \$800,000

Estimated Economic Impact: \$2,500 a month in lost sales

Description of Economic Impact: loss of water sales

“C” Tanks, Reservoir’s

Facility Replacement Cost: \$800,000

Estimated Economic Impact: \$2,500 a month in lost sales

Description of Economic Impact: loss of water sales

“D” Tanks, Reservoir’s Storage, Board Room

Facility Replacement Cost: \$3.5 million

Estimated Economic Impact: \$4,500 a month in lost sales

Description of Economic Impact: loss of water sales

“B” Tanks, Reservoir’s Administrative office, yard, Maintenance shop, Fuel

Facility Replacement Cost: \$4.3 million

Estimated Economic Impact: \$5,500 a month in lost sales

Description of Economic Impact: loss of water sales

Chaparral Street

Facility Replacement Cost: \$ 85,000

Estimated Economic Impact: \$1,500 a month in lost sales

Description of Economic Impact: loss of water sales

Butterfly Street

Facility Replacement Cost: \$85,000

Estimated Economic Impact: \$1,500 a month in lost sales

Description of Economic Impact: loss of water sales

Starlight and Tanger

Facility Replacement Cost: \$100,000

Estimated Economic Impact: \$1,500 a month in lost sales

Description of Economic Impact: loss of water sales

Cambia Ave.

Facility Replacement Cost: \$250,000

Estimated Economic Impact: \$1,200 a month in lost sales

Description of Economic Impact: loss of water sales

Fortuna

Facility Replacement Cost: \$55,000

Estimated Economic Impact: \$1,200 a month in lost sales

Description of Economic Impact: loss of water sales

Linn Road

Facility Replacement Cost: \$80,000

Estimated Economic Impact: \$1,200 a month in lost sales

Description of Economic Impact: loss of water sales

Lum Lane

Facility Replacement Cost: \$300,000

Estimated Economic Impact: \$1,800 a month in lost sales

Description of Economic Impact: loss of water sales

Kickapoo Trail

Facility Replacement Cost: \$85,000

Estimated Economic Impact: \$1,800 a month in lost sales

Description of Economic Impact: loss of water sales

Lin Road/Dusty Mile/ Jemez Trail

Facility Replacement Cost: \$90,000

Estimated Economic Impact: \$1,800 a month in lost sales

Description of Economic Impact: loss of water sales

Ming Road/Dusty Mile/Jemez

Facility Replacement Cost: \$87,500.00

Estimated Economic Impact: \$3,609 a month in lost sales

Description of Economic Impact: loss of water sales

Dusty Mile/Pass Road/Shannon

Facility Replacement Cost: \$80,000

Estimated Economic Impact: \$1,500 a month in lost sales

Description of Economic Impact: Loss of water sales

Shawnee Trail

Facility Replacement Cost: \$80,000

Estimated Economic Impact: \$1,200 a month in lost sales

Description of Economic Impact: loss of water sales

SECTION 5: COMMUNITY CAPABILITY ASSESSMENT

5.1 Agencies and People

Bighorn-Desert View Water Agency is located in the Southwestern section of the Mojave Desert within the San Bernardino County. BDVWA serves the communities of Landers, Johnson Valley, and Flamingo Heights.

To help mitigate the potential impacts of disasters, BDVWA joined the Emergency Response Network of the Inland Empire (ERNIE), which consists of water agencies within San Bernardino and Riverside Counties. The ERNIE group of agencies coordinates mutual aid to help each agency recover from local jurisdictional issues. All ERNIE members are also members of the California Water/Wastewater Agency Response Network (CalWARN), which focuses on mutual aid within the State of California.

BDVWA employs 8 people. However, with the capabilities of ERNIE and CalWARN, the BDVWA has the potential of having hundreds of mutual aid workers at their disposal, within hours of an emergency.

5.2 Existing Plans

ERNIE Emergency Operations Plan, CalWARN Emergency Operations Plan, BDVWA Emergency Response plan, Illness Injury Prevention Plan (IIPP), Mutual Aid Agreements within San Bernardino and Riverside Counties and in the state of California, and being a Government Entity (Special District, within California Law) has the ability to access EMMA and EMAC for National Mutual Aid.

5.3 Regulations, Codes, Policies, and Ordinances

Legislation provides the Agency a safeguard for water supply and some drought hazard protection. In 1991, the amendment to the Urban Water Management and Planning Act, in effect since 1983, requires water suppliers to estimate available water supplies at the end of one, two, and three years, and to develop contingency plans for shortages of up to 50 percent. The water agencies in the Morongo Basin of San Bernardino County have formed a working group to

update all water agencies Urban Water Master Plan. This Plan Should be complete in the early part of 2015.

The BDVWA has an Emergency Response Plan that is a written Response Plan detailing how the Agency will respond in the event of an emergency or disaster. The Agency must be prepared to respond to a variety of threats that require emergency actions by its employees.

Potential threats include:

- Operational incidents, such as power failure or bacteriological contamination of water associated with the BDVWA's facilities.
- Outside or inside malevolent acts, such as threatened or intentional contamination of water, intentional damage/destruction of facilities, detection of an intruder or intruder alarm, bomb threat, or suspicious mail.
- Natural disasters, such as earthquakes, floods. Or power failures.

Since BDVWA is a government agency operating in California, the Agency is required to follow Standard Emergency Management System (SEMS) and the National Incident Management System (NIMS).

5.4 Fiscal Resources

Fiscal resources for the Agency include the following:

- Revenue from water sales
- Metering availability charge
- If necessary, local bond measures and property taxes.

Through the California Department of Water Resources, local grants and/or loans are available for water conservation, groundwater management, and studies and activities to enhance local water supply reliability. Project eligibility depends on the type of organization(s) applying and participating in the project and the specific type of study or project. More than one grant or loan may be appropriate for a proposed activity. The forming of the HMP will help the BDVWA obtain Grant funding in the future.

The BDVWA has been a recipient of FEMA funding in the past; after the 1992 Landers Earthquake.

SECTION 6: MITIGATION STRATEGIES

6.1 Overview

The purpose of this analysis was to identify projects (actions) that helped the BDVWA to meet the Goals and Objective for each priority hazard. By going through this process, the Agency has identified hazards in our community, assessed which hazards pose the most significant risk, and identified projects to help reduce and/or eliminate the risk.

6.2 Mitigation Goals, Objectives, and Projects

As discussed in Section 3.5, the process of identifying goals began with a review and validation of the Goals and Objectives in the Agency's 2005 HMP and the San Bernardino County's 2005 Operational Area HMP. Using the 2005 as the basis, the Agency's Planning Team completed an assessment/discussion of whether each of the goals was still valid. This discussion also led to the opportunity to identify new Goals and Objectives.

The three high profile hazards for the Agency are fire, earthquake, and flood. While other hazards were profiled in previous sections, the Agency's priority and focus for the mitigation projects will be for only the three high profile hazards.

6.2.1 All Hazards

Description: *Protect lives and mitigate damage to infrastructure.* Many local laws have public safety of citizens as their primary concern. Protecting lives is also the basis for Emergency Planning, Response, and Mitigation activities.

Objectives:

- Continually improve the understanding of the location and potential impacts of natural hazards, the vulnerability of building types, and community development patterns and the measures needed to protect lives and critical infrastructure.
- Continually provide State and Local Agencies with updated information about hazards, vulnerabilities, and mitigation measures.
- Ensure that all local codes and standards ensure the protection of life.
- Ensure BDVWA owned and operated infrastructure meet minimum standards for life safety.
- Ensure that all BDVWA development in high-risk areas is protected by mitigation measures that provide for life safety and protect critical infrastructure.
- Identify and mitigate all imminent threats to life safety.

6.2.2 Earthquakes

Description: *Goal is to avoid damages to property.* The BDVWA agreed that the strengthening of building, mechanical, and fire codes is critical to the protection of property and life and the reduction of seismic risk, freezing, power failure and flood hazards. These codes help water utilities design and construct reservoirs, pump stations, groundwater wells, and pipelines that resist the forces of nature and ensure safety.

Objectives:

- Design new facilities to withstand an 8.0 earthquake, since we can't move the population and BDVWA into a safe area. This area of Southern California is a high risk and is built on top of the fault zone.

- Encourage property protection measures for Agencies and structures located in high hazard area.
- Adopt cost-effective codes and standards to protect life properties and critical infrastructure.
- Establish a partnership among all levels of government and the business community to improve and implement methods to protect property.

Mitigation Projects:

6.2.3 Drought

Description: *Goal is to improve drought preparedness.* The goal is to address the drought hazard through mitigation over the long-term and the objectives listed below have been taken from the recently updated California Water Plan (2009).

Objectives:

- Increase water supply - creating innovative ways to generate new supplies.
- Improve operational efficiency & transfers – this idea is to move water from where it occurs to where it will be used.
- Reduce water demand - water conservation has become a viable long-term supply option because it saves considerable capital and operating cost for the Agency.

Mitigation Projects:

6.2.4 Flooding

Description: *Goal is to comply with the National Flood Insurance Program (NFIP).* The Agency is not a member of the National Flood Insurance Program (NFIP). However BDVWA is closely looking at obtaining NFIP and calculating the related costs to insure facilities.

6.4 Mitigation Priorities

The BDVWA's implementation strategy includes first identifying a set of first tier objectives. These objectives are considered the highest priority and once implemented will result in substantial improvement in the overall reliability of the system. The remaining objectives, not included in the first tier objectives, are considered desirable and will further enhance the system reliability once the first tier objectives are achieved.

In addition, the BDVWA as part of its Master Plan Capital Improvement Program (CIP) has undertaken some of the objectives identified in Section 6.3. These include: steel reservoir inlet and concrete footing reservoir seismic retrofitting, and the pipeline material seismic retrofit.

Plant A-1 and A-2

Mitigation to Earthquake: Earthquake tie-down system, seismic tank shut-off system

Cost: \$450,000 per reservoir

Mitigation to Flooding: Flood Control walls, to direct floodwater away from property, enclose facility with a block wall.

Cost: \$500,000

Terrorist Events: SCADA Control System, Security System incorporated into SCADA System, Block wall around facility.

Cost: \$200,000

Cost: Storage Reservoir \$800,000

Bighorn/Hi Desert Intertie

Mitigation to Earthquake: Flexible pipe joints, Generator, for back-up power, block wall around facility

Cost: \$185,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from property, Block wall around facility, or place intertie in a underground vault.

Cost: \$145,000

Terrorist Events: SCADA Control System, Security System incorporated into SCADA System

Cost: \$55,000

Drought: Intertie with Hi-Desert Water, Add more water storage.

Cost: \$800,000

Well 2 and 3

Mitigation to Earthquake: Flexible pipe joints, Generator, for back-up power, block wall around facility

Cost: \$185,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from property, block wall around facility

Cost: \$245,000

Terrorist Events: SCADA Control System, Security System incorporated into SCADA System

Cost: \$45,000

Well 4

Mitigation to Earthquake: Flexible pipe joints, Generator, for back-up power, block wall around facility

Cost: \$210,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from property, block wall around facility

Cost: \$200,000

Terrorist Events: SCADA Control System, Security System incorporated into SCADA System

Cost: \$45,000

Plant "C"

Mitigation to Earthquake: Flexible pipe joints, Generator, for back-up power, block wall around facility

Cost: \$210,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from property, block wall around facility

Cost: \$200,000

Terrorist Events: SCADA Control System, Security System incorporated into SCADA System

Cost: \$45,000

Well Site 10

Mitigation to Earthquake: Flexible pipe joints, Generator, for back-up power, block wall around facility

Cost: \$210,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from property, block wall around facility

Cost:

Terrorist Events: SCADA Control System, Security System incorporated into SCADA System

Cost:

Well 9

Mitigation to Earthquake: Flexible pipe joints, Generator, for back-up power, block wall around facility

Cost: \$185,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from property, block wall around facility

Cost: \$200,000

Terrorist Events: SCADA Control System, Security System incorporated into SCADA System

Cost: \$45,000

Well 6 and 7

Mitigation to Earthquake: Flexible pipe joints, Generator, for back-up power, block wall around facility

Cost: \$185,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from property, block wall around facility

Cost: \$200,000

Terrorist Events: SCADA Control System, Security System incorporated into SCADA System

Cost: \$45,000

Well 3-A

Mitigation to Earthquake: Flexible pipe joints, Generator, for back-up power, block wall around facility

Cost: \$185,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from property, block wall around facility

Cost: \$200,000

Terrorist Events: SCADA Control System, Security System incorporated into SCADA System

Cost: \$45,000

County Well and Storage Site:

Mitigation to Earthquake: Flexible pipe joints, Generator, for back-up power, block wall around facility

Cost: \$185,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from property, block wall around facility

Cost: \$220,000

Terrorist Events: SCADA Control System, Security System incorporated into SCADA System

Cost: \$45,000

Well 8

Mitigation to Earthquake: Flexible pipe joints, Generator, for back-up power, block wall around facility

Cost: \$185,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from property, block wall around facility

Cost: \$210,000

Terrorist Events: SCADA Control System, Security System incorporated into SCADA System

Cost: \$45,000

“C” Tanks, Reservoir’s

Mitigation to Earthquake: Flexible pipe joints, Generator, for back-up power, block wall around facility

Cost: \$185,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from property, block wall around facility

Cost: \$400,000

Terrorist Events: SCADA Control System, Security System incorporated into SCADA System

Cost: \$45,000

“D” Tanks, Reservoir’s Storage, Board Room

Mitigation to Earthquake: Flexible pipe joints, Generator, for back-up power, block wall around facility

Cost: \$185,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from property, block wall around facility

Cost: \$285,000

Terrorist Events: SCADA Control System, Security System incorporated into SCADA System

Cost: \$45,000

“B” Tanks, Reservoir’s Administrative office, yard, Maintenance shop, Fuel

Mitigation to Earthquake: Flexible pipe joints, Generator, for back-up power, block wall around facility

Cost: \$390,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from property, block wall around facility

Cost: \$530,000

Terrorist Events: SCADA Control System, Security System incorporated into SCADA System

Cost: \$45,000

Chaparral Street

Mitigation to Earthquake: Flexible pipe joints.

Cost: \$55,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from pipeline, lower pipeline.

Cost: \$150,000

Terrorist Events: SCADA Control System, Contamination detection system part of SCADA System

Cost: \$45,000

Butterfly Street

Mitigation to Earthquake: Flexible pipe joints.

Cost: \$55,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from pipeline, lower pipeline.

Cost: \$150,000

Terrorist Events: SCADA Control System, Contamination detection system part of SCADA System

Cost: \$45,000

Starlight and Tanger

Mitigation to Earthquake: Flexible pipe joints.

Cost: \$55,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from pipeline, lower pipeline.

Cost: \$150,000

Terrorist Events: SCADA Control System, Contamination detection system part of SCADA System

Cost: \$45,000

Cambia Ave.

Mitigation to Earthquake: Flexible pipe joints.

Cost: \$55,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from pipeline, lower pipeline.

Cost: \$150,000

Terrorist Events: SCADA Control System, Contamination detection system part of SCADA System
Cost: \$45,000

Fortuna

Mitigation to Earthquake: Flexible pipe joints.

Cost: \$55,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from pipeline, lower pipeline.

Cost: \$180,000

Terrorist Events: SCADA Control System, Contamination detection system part of SCADA System

Cost: \$45,000

Linn Road

Mitigation to Earthquake: Flexible pipe joints.

Cost: \$60,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from pipeline, lower pipeline.

Cost: \$200,000

Terrorist Events: SCADA Control System, Contamination detection system part of SCADA System

Cost: \$45,000

Lum Lane

Mitigation to Earthquake: Flexible pipe joints.

Cost: \$55,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from pipeline, lower pipeline.

Cost: \$ 220,000

Terrorist Events: SCADA Control System, Contamination detection system part of SCADA System

Cost: \$35,000

Lin Road/Dusty Mile/ Jemez Trail

Mitigation to Earthquake: Flexible pipe joints.

Cost: \$110,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from pipeline, lower pipeline.

Cost: \$245,000

Terrorist Events: SCADA Control System, Contamination detection system part of SCADA System

Cost: \$35,000

Ming Road/Dusty Mile/Jemez

Mitigation to Earthquake: Flexible pipe joints.

Cost: \$85,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from pipeline, lower pipeline.

Cost: \$220,000

Terrorist Events: SCADA Control System, Contamination detection system part of SCADA System

Cost: \$35,000

Dusty Mile/Pass Road/Shannon

Mitigation to Earthquake: Flexible pipe joints.

Cost: \$155,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from pipeline, lower pipeline.

Cost: \$ 220,000

Terrorist Events: SCADA Control System, Contamination detection system part of SCADA System

Cost: \$35,000

Shawnee Trail

Mitigation to Earthquake: Flexible pipe joints.

Cost: \$85,000

Mitigation to Flooding: Flood Control walls, to direct floodwater away from pipeline, lower pipeline.

Cost: \$220,000

Terrorist Events: SCADA Control System, Contamination detection system part of SCADA System

Cost: \$35,000

The BDVWA's objectives have then been prioritized based on the following:

- Impact to the BDVWA's system from the identified vulnerability. This was the Planning Team's decision and they included cost in the decision.
- Overall cost/benefit of the mitigation strategy. For example, anchoring of equipment at the BDVWA's facilities is considered a high priority because of very high benefit to low cost ratio.

The Following is the items that the group identified as Items that could be Mitigated at each site and the approximant cost of each item.

6.5 Implementation Strategy

For the successful mitigation of hazards identified in this plan and to meet the BDVWA's goals within a reasonable time frame, an implementation strategy has been developed. The strategy includes an identification of the objectives identified in Section X.X

The BDVWA is currently running within budget and has reduced its operating budget severely in the last 6 years. Currently, the BDVWA's revenues are flat; projects have been cut from Operations, and capital improvements are not being constructed. The Agency has cut all unnecessary spending during the economic downturn of the last 7 years. The economic downturn has affected this area very hard. The Agency is attempting to gain and utilize funding in grants and low cost loans to improve and mitigate the potential damage from disasters.

There is currently no mitigation money in the BDVWA's budget. As money or grant funding becomes available the Agency will include mitigation into the budget process.

Mitigation Projects Funding Source

The only funding that has been budgeted for Mitigation is the money to devolve this Hazard Mitigation Plan.

Timeframe

No timeframes were used since there is no funding stream identified at this time for Hazard Mitigation.

SECTION 7: PLAN MAINTENANCE

7.1 Monitoring, Evaluation, and Updating the Plan

The Hazard Mitigation Plan will be monitored in January each year. This is the time staff will start looking at funding and Capital Improvement Projects (CIP) to be included into the next fiscal year's budget. This is the best time to evaluate the plan for updates to facilities and project completion and to ensure new plants and facilities are going to be constructed in compliance with Hazard Mitigation. A full review of the plan will be done on a 5-year interval.

7.2 Implementation through Existing Programs

As stated in section 7.1, through budget and fiscal reviews.

7.3 Continued Public Involvement

The approved HMP will be posted on the Agency Website with contact information. Once a year in January, a public meeting will be held in conjunction with the Agency Regular Board Meeting at the Agency's Board of Director's meeting room for public comments.

AGENDA ITEM # 6

**BIGHORN DESERT VIEW WATER AGENCY
AGENDA ITEM SUBMITTAL**

Meeting Date: August 26, 2014

To: Board of Directors

Budgeted: Yes

Funding Source: Cash Reserves

Cost Increase: \$

From: Michelle Corbin

General Counsel Approval: Yes

CEQA Compliance: N/A

Subject: LAFCO 3181: Annexation of County Service Area W-1: Status Update and Request for Budget Adjustment of \$3,100

SUMMARY

The annexation process is proceeding forward but no Local Area Formation Commission (LAFCO) hearing date has been set. Two important milestones have been achieved, the Department Review Committee has been conducted and the County of San Bernardino Board of Supervisors has approved the "property tax transfer" which allows the process to now move to the LAFCO Commission for consideration.

As the process proceeds, the Ad Hoc Committee and staff have determined that more professional resources might be necessary and LAFCO staff is going to seek additional funding to complete the required California Environmental Quality Act (CEQA) proceedings.

RECOMMENDATION

That the Board considers taking the following action(s):

1. Authorize budget adjustment of \$3,100 for processing LAFCO 3181: Reorganization to include Annexations to Bighorn-Desert View Water Agency, Dissolution of County Service Area 70 Zone W-1 and Formation of an Improvement District for Bighorn-Desert View Water Agency.

BACKGROUND/ANALYSIS

The Ad Hoc Committee and staff have attended various meetings associated with the annexation application. Two major events have occurred since the last Board of Directors meeting. First, LAFCO Staff held the Department Review Committee (DRC) meeting on July 30th. Second, the Board of Supervisors authorized the property tax transfer on August 5th.

In preparing for the Department Review Committee meeting staff felt it important to retain an environmental consultant to assist with the California Environmental Quality Act (CEQA) process. To that end, Ms. Candida Neal has been brought on the project for an initial service of 16 hours (\$1,600). These services were not previously envisioned as part of the overall scope. Next, staff has become concerned about the lack of adequate response from the County Special Districts Department (SDD) to LAFCO. Comments such as "we are weighing our options" are somewhat concerning as staff believes that SDD will not want to part with the W-1 water zone. To that end, staff has contacted Agency counsel who has recommended special counsel to assist with the process. Staff is seeking a budget adjustment to accommodate legal services, if needed, in the amount of \$7,500.

Lastly, LAFCO informed staff at the DRC that the CEQA process will require additional effort beyond the basic application deposit of \$750. LAFCO staff verbally stated the effort would be \$4,000. Therefore, staff is asking for a budget adjustment to accommodate this effort.

Staff notes that fees submitted which are not required will be refunded to the Agency. The total amount requested is less than the expected fees because LAFCO refunded \$10,000 of the original application fee through LAFCO Commission action.

The attached table outlines the budget details including total budget approved, monies spent to date and additional funds (and categories) needed at this time. The total estimated cost for this project is now projected to be \$

PRIOR RELEVANT BOARD ACTION(S)

4/22/2014 M14-024 Adopt Resolution No. 14R-05 requesting the Local Agency Formation Commission to initiate proceedings for a reorganization to include annexations to the Bighorn-Desert View Water Agency and dissolution of County Service Area 70 Zone W-1; and receive and file the Plan for Services and Fiscal Impact Analysis with application documents addressed to the Local Agency Formation Commission (LAFCO).receive and file this report.

1/28/2014 M14-001 Authorize staff to initiate an application for the dissolution of County Service Area 70/Zone W-1 (Goat Mountain/Landers) and annexation into BDVWA; and Establish an initial project budget of \$41,000 from unrestricted reserves for expenses outlined in the staff report; and Authorize execution of Agreement with Stanley R. Hoffman, Associates in the amount of \$9,500 plus a 10% contingency.

FEE ESTIMATE (V.4)

Non-LAFCO Fees			
	Total Budget Approved	Actual Spent 7/31/2014	Adjustment Requested
Staff Time (General Manager) - Hours	180	121.5	
Education, Outreach	\$1,000	\$835	
Professional Svs. (LAFCO Application) w/contingency Stanley Hoffman & Assoc.	\$12,500	\$11,200	
Legal Description/Map	\$3,000	\$3,000	
Department of Public Health Permit - Change of Ownership	\$500	\$0	
Rogers, Anderson, Malody & Scott Audit Services	\$5,000	\$0	
Miscellaneous other internal costs	\$1,500	\$289	
Candida Neal, AICP - CEQA Consultant			\$1,600
Special Legal Counsel			\$7,500
Total Non-LAFCO Fees	\$22,500	\$15,324	\$9,100
LAFCO Fees			
Application Filing Fee	\$26,204	\$16,204	(\$10,000)
Dissolution Fee (if applicable)			
Sphere of Influence/Municipal Service Review			
Legal Counsel (Actual Cost)	\$1,150	\$1,150	
Environmental Review (Actual Cost) - If MND or EIR required then minimum deposit is \$20,000	\$750	\$750	\$4,000
Individual Notices (Actual Cost)	\$700	\$700	
LAFCO application Submission Fees	\$28,804	\$18,804	(\$6,000)
CAL Fish and Wildlife CEQA Filing Fee	\$3,150	\$0	
Protest Proceeding (Actual Cost)	\$1,000	\$1,000	
Geographical Information Management System (GIMS) Processing	\$2,300	\$2,300	
Certificate of Completion	\$6,250	\$6,250	
LAFCO Commission Workshop (if applicable)			
LAFCO Completion Fees and Charges	\$12,700	\$9,550	\$0
TOTAL ALL LAFCO FEES	\$41,504	\$28,354	(\$6,000)
Total Project Costs	\$64,004	\$43,678	\$3,100

AGENDA ITEM # 7

**BIGHORN DESERT VIEW WATER AGENCY
AGENDA ITEM SUBMITTAL**

Meeting Date: August 26, 2014

To: Board of Directors

From: Marina West

Budgeted: Partially

Funding Source:

Total Cost Software: \$171,493

Springbrook Software License: \$104,650 plus applicable taxes.

Springbrook Maintenance: \$10,958 (1st yr)
(payment options vary – see text below)

Fixed Annual Springbrook Maintenance:
\$44,385 (2nd - 4th yr @ \$14,795 per year)

Project Contingency: \$11,500

Total Cost Hardware: \$14,313

Hardware Purchase/Install Total: \$7,813

Peripherals Total Est: \$5,500

Project Contingency: \$1,000

General Counsel Approval: In Process

CEQA Compliance: N/A

Subject: Upgrade of Financial, Utility Billing and Payroll Software: 4-Year Cost of Ownership Program: Purchase of Premise License and 1-Year Maintenance Contract with Springbrook Software in the Amount of \$115,608 with Intent to Maintain Contract for Minimum 4-year Term at \$14,795 per Year; and

Purchase/Installation of Hardware and Operating System Software to Host Springbrook Software in the Amount of \$13,313; and

Project Contingencies in the Amount of \$

SUMMARY

The Agency must update its financial, utility billing and payroll software. In addition, hardware and operating systems must be upgraded to accommodate current needs for centralized file sharing, security and to host the new financial/utility billing/payroll software from Springbrook Software.

These costs were discussed during the budgeting process but the budget allocations were adopted prior to finalizing the software and hardware requirements. Staff is ready to proceed with the purchase of the new software so that the conversion can be completed between September (end of audit process) and March (beginning of budget process). Staff is also interested in completing the BDVWA's conversion prior to the final dissolution of the W-1 (Landers) water zone.

RECOMMENDATION

That the Board considers taking the following action(s):

1. Authorize General Manager to execute contract with Springbrook Software, Inc. for 4-Year Cost of Ownership Premise License and first four years of software maintenance in the amount of \$159,993; and
2. Provide direction to staff on preferred payment option; and
3. Authorize General Manager to purchase and install hardware and peripheral equipment to accommodate Springbrook Software as well as centralized employee file sharing in an amount not to exceed \$13,313.
4. Authorize a total project contingency of \$12,500 for unforeseen professional services or software application adjustments identified during the period of conversion as well as any miscellaneous appurtenant hardware and labor services identified during installation.

BACKGROUND/ANALYSIS

The Agency must update its financial, utility billing and payroll software for two reasons. First, the server which hosts the existing DataStream Business Solutions (DataStream) software is nearing the end of its useful life and if replaced now would be both costly and immediately outdated as it would not support any of the windows based financial/utility billing/payroll software solutions on the market today. Second, DataStream Business Solutions has now merged with Springbrook Software, Inc. (Springbrook) and the existing DataStream DOS based software will no longer be supported and will be obsolete come late 2015.

The Agency PC "server" is outdated and will not accommodate the necessary software upgrades. Staff has solicited quotes to install the hardware and operating software needed to accommodate both the software upgrade as well as building an internal PC "server" for file sharing and file security with automated file back-up.

Financial/Utility Billing/Payroll Software

In late 2013, staff began researching the cost to replace our aging Unix server which hosts our financial, utility billing and payroll software. The concern was pending failure of the hardware and in the event it did fail how the Agency would overcome the downtime. At some point in our research we also heard a rumor that our software provider, DataStream Business Solutions (DataStream), might not be in business that long as more and more customers were leaving their DOS based solution to migrate to a more modern Windows based software solution.

In early 2014, we were informed by DataStream that they had been very sensitive to the need for a modern upgrade but the company decision was not to invest in development of a new product and to compete in the existing market but rather to find an existing solution for their customers to consider. DataStream vetted all the major software vendors and found that Springbrook Software, Inc. (Springbrook) was the best overall match for DataStream customers. The fit was so good that DataStream has now been merged into Springbrook. This merger provides an excellent opportunity to upgrade our software at costs well below what the competitive market would yield due to the amount of overhead expended by a sales force in promoting product, responding to Requests for Proposal and winning a competitive

bid contract. The costs are lower because Springbrook is tailoring a product to existing needs of DataStream customers rather than marketing a broad product solution which would have features that would not be utilized by BDVWA anyhow. Further cost savings are realized as it will be DataStream that will provide the data conversion services.

For price comparison, Joshua Basin Water District solicited proposals from the various software firms in early 2008. They "tossed a coin" between Springbrook and Incode as being equal. Joshua Basin fits the same "size profile" as BDVWA with less than 5,000 meters. The product cost was greater than \$225,000 and they are now doing a major upgrade at a cost of \$60,000. Joshua Basin Water District has been and is still extremely unhappy with Incode customer service as well.

The 29 Palms Water District recently went through a complete vetting and selection process where the committee unanimously selected Springbrook from the four major vendors on the market. This process was completed prior to DataStream announcing its pending merger with Springbrook.

Staff attended webinars and seminars focused on product introduction in February and May of this year. Springbrook and DataStream staff have worked together to draft a proposal that would essentially replace our current software needs. The software package will also come with "standard" features that are enhancements to the existing system. The products being purchased allow for a maximum customer base of 5,000 accounts so it will accommodate the W-1 annexation customers at no additional license cost. However, there will be professional services costs related to converting the W-1 accounts to Springbrook which are not included in this proposal.

Staff has spent the last two months vetting the proposal and had also contracted with Mr. Pat Grady of Beyond Software Solutions for consultation on the proposed solution as well. Hi Desert Water District migrated from DataStream to Springbrook about ten years ago when Pat was the IT Manager for HDWD and he has worked with the product and Springbrook staff since that time. Staff is satisfied that the proposed purchase from Springbrook will provide all the necessary software components and conversions from DataStream.

During the budgeting process, staff was evaluating a Springbrook "cloud" solution and had begun negotiations on total costs. The budget was approved with a much lower purchase cost (Subscription) but a much higher annual maintenance cost. It was later discovered that our internet connection is too slow to accommodate a "cloud" solution and we are limited to a premise solution which has a different pricing structure. Under this "premise" solution the subscription costs are a bit higher but the annual maintenance costs are 50% less. Furthermore, the proposal reviewed prior to the budget did not include some components that were later determined to be required or necessary.

Springbrook Financing Options

Staff briefed the Finance (FPREP) Committee on project progress in July and it was suggested the Agency review outside funding opportunities for the capital purchase of the Springbrook software. Staff has obtained three options for financing this project. These options are summarized as follows:

- Springbrook Offering: Fund 100% of Premise costs (\$61,250) in FY2014/15 with funding for Professional Services (\$43,400) deferred to FY2015/16.

- CSDA Finance Corporation Offering: 5-year loan at 3.75% interest rate. Stretches out capital costs over 5-years at a total added cost of \$17,289 on \$150,000 borrowed.
- Government Capital Offering: 17-year loan at 7.983% interest rate. Stretches out capital costs over 17-years at a total added cost of \$256,275 on \$103,400 borrowed.

Staff recommends the Springbrook Offering over the financed options but seeks Board concurrence on how to proceed.

Hardware Upgrades

The Agency has long relied on a centralized personal computer (PC) to act as a "server" for shared files and each workstation has a local PC's that has access to the PC and the DataStream Unix server (ie. Second computer). As part of a multi-year hardware upgrade plan each workstation was upgraded and the final action was to build a real "server" with security and partitions between confidential and shared files and an automated back-up process. The Springbrook upgrade requires this PC "server" upgrade as well.

Quotes for the hardware and operating software to accommodate both objectives were obtained from two vendors. The quotes ranged from \$7,813 to \$9,953. Staff is recommending the low bidder, Beyond Software Solutions. Mr. Pat Grady of Beyond Software Solutions is a Yucca Valley local vendor and has demonstrated a better working knowledge of Springbrook product than the alternative vendor. Staff will also purchase the hardware directly from the vendor under government pricing structure which is expected to save at least a few hundred dollars.

In addition to the hardware necessary to host the Springbrook software a new customer receipt printer and three meter reading handheld devices will also be needed. The receipt printer is estimated at less than \$1,000. Staff is working with 29 Palms Water on the meter reading handheld device options as they are currently vetting all the possible options. Pending final selection staff expects the cost not to exceed \$4,500.

The total cost of the hardware, operating software and peripheral equipment is \$13,313. The Fiscal Year 2014/15 budget of \$4,500 for the server was based on quotes obtained to build the file "server" and did not include the components required to operate Springbrook.

PRIOR RELEVANT BOARD ACTION(S)

7/16/2014 Finance/Public Relations/Education/Personnel Committee (FPREP): Discussion regarding upgrade (replacement) of utility billing as well as associated financial and payroll software.

6/24/2014 BOD meeting: Budget discussion and projected costs of new financial, utility billing and payroll software. Further discussion on the requirement to update software due to obsolescence of existing software and age of existing Unix server hosting existing software.

AGENDA ITEM # 8

**BIGHORN DESERT VIEW WATER AGENCY
AGENDA ITEM SUBMITTAL**

Meeting Date: August 26, 2014

To: Board of Directors

Budgeted: No

Funding Source: N/A

Cost: N/A

From: Michelle Corbin

General Counsel Approval: N/A

CEQA Compliance: N/A

Subject: Resolution No. 14R-XX Establishing Standing Committees and Authorizing the Creation of Ad Hoc Committees

SUMMARY

The Planning & Engineering/Legislative/Grant Standing Committee (PLEGS) convenes on the first Wednesday of the even months of the year to synchronize with the Mojave Water Agency's Legal/Legislative and Public Information Committee (LLPI) which is accessed via teleconference.

The Mojave Water Agency's LLPI Committee has announced its meetings will now regularly occur on the third Tuesday of the month. In order for the Committee to continue to participate in the LLPI it is necessary to change the regular PLEGS meetings to the third Tuesday at 9:15 am (even months: February, April, June, August, October, December).

The Board memorializes its regular meeting schedule through resolution. No change is recommended for the Finance/Public Relations/Personnel Standing Committee.

RECOMMENDATION

That the Board considers taking the following action(s):

1. Adopt Resolution No. 14R-XX Establishing Standing Committees and Authorizing the Creation of Ad Hoc Committees.

BACKGROUND/ANALYSIS

No further information provided.

PRIOR RELEVANT BOARD ACTION(S)

3/25/2014 BOD Resolution 14R-03 Establishing Standing Committees and Authorizing the Creation of Ad Hoc Committees.

RESOLUTION NO. 14R-XX

POLICY STATEMENT OF THE BOARD OF DIRECTORS OF THE
BIGHORN-DESERT VIEW WATER AGENCY
ESTABLISHING STANDING COMMITTEES AND AUTHORIZING THE CREATION OF
AD HOC COMMITTEES

WHEREAS, The Board of Directors of the Bighorn-Desert View Water Agency desires to ensure efficient administration of the Bighorn-Desert View Water Agency ("Agency") by the establishment of standing committees of the Board of Directors ("Board") and the authorization for the creation of ad hoc committees of the Board. Standing committees allow for the productive use of Directors' individual expertise on matters and to work with staff in developing better background information for the full Board's consideration.

WHEREAS, All standing committees shall be subject to meeting requirements specified under the Ralph M. Brown Act, California Government code sections 54950 through 54963.

WHEREAS, this Resolution rescinds and repeals Resolution No. 14R-03

NOW, THEREFORE, THE BOARD OF DIRECTORS HEREBY RESOLVES:

The Board President shall, with board consensus, appoint and publicly announce the members of the standing committees at the first regularly-scheduled meeting of the Board in February of each year and at other meetings of the Board as circumstances may require.

Each committee shall have a maximum of two (2) members and one (1) alternate. The alternate may only participate in the absence of the regularly assigned member. Each standing committee may hold a regularly scheduled meeting six (6) times per year. Special meetings may be called as deemed necessary by either the General Manager or the Committee Chairperson.

All standing committee meetings of the Bighorn-Desert View Water Agency shall hereafter be held at the Bighorn Office located at 1720 N. Cherokee Tr., Landers, CA 92285. All Standing Committee meetings, Adjourned Standing Committee meetings and Special Standing Committee meetings may be fixed from time to time and by legal public notice, to other locations within and without the agency, at times as determined by the standing committee or Board of Directors.

The Board's standing committees shall be assigned to review Agency functions, activities, and/or operations pertaining to their designated concerns as specified. Any recommendations resulting from said review shall be submitted to the Board via a written or oral report.

development of community, customer, and employee relations programs to enhance Agency/Customer relationships and understanding.

Morongo Basin Pipeline Commission/Mojave Water Agency Technical Advisory Committee Representative(s)- A member of the Planning & Engineering subcommittee shall be appointed as the representative (the "Representative") of the Agency to the Mojave Water Agency TAC meetings and shall be concerned with assuring the costs of the Morongo pipeline are proportionately charged to the benefiting districts/agencies, and that the Agency has representation on the Mojave Water Agency TAC on matters affecting the Agency. The Representative shall attend all Morongo Basin Pipeline Commission and Mojave Water Agency TAC meetings. An alternate Representative may also be appointed if the primary Representative is unable to attend any Commission or TAC meetings.

Ad Hoc Committee Appointments-The Board President shall, with board consensus, appoint such ad hoc committees as may be deemed necessary by the President or the Board of Directors. The duties of the ad hoc committees shall be outlined at the time of appointment, and the committee shall be considered dissolved when its final report has been made.

PASSED, APPROVED AND ADOPTED by the Board of Directors of Bighorn-Desert View Water Agency this 26th day of August 2014.

BY:

Judy Corl-Lorono, Board President

ATTEST:

By _____
Terry Burkhart, Board Secretary

AGENDA ITEM # 9

GENERAL FUND

ASSETS

CASH & CASH EQUIVALENTS

01 13120	CASH UNION BANK OF CA	181,898.55
01 13130	CASH CASH DRAWERS BASE FUND	750.00
01 13400	CASH PETTY CASH FUND	800.00

TOTAL CASH & CASH EQUIVALENTS		183,448.55

INVESTMENTS

01 13303	LAIF UNENCUMBERED CASH FUND	367,814.15
01 13306	LAIF-BASIC FACILITIES CHGS	25,892.00
01 13307	LAIF-CUSTOMER DEPOSITS	55,000.00
01 13309	LAIF EMERGENCY CONTINGENCIES	170,000.00
01 13310	LAIF REPLACE & REFURBISH FUND	400,000.00
01 13312	LAIF BOND DEBT SERVICE	1.00

TOTAL INVESTMENTS		1,018,707.15

ACCOUNTS RECEIVABLE, WATER

01 13710	A/R WATER	150,360.61
01 13713	A/R UNBILLED	46,118.00
01 13950	2009-10 LIEN REC \$41976	15,571.56
01 13951	2010-11 LIEN REC \$33945	11,951.29
01 13952	2011-12 LIEN REC \$36833	16,568.09
01 13953	2012-13 LIEN REC \$39364	22,263.25
01 13960	DUE FOR AMES/RECHE	11,048.45
01 13960 01	DUE FOR HAZARD MITIGATION	7,413.10
01 13990	ALLOWANCE FOR BAD DEBTS (4,500.00)

TOTAL ACCTS RECEIVABLE, WATER		276,794.35

ACCOUNTS RECEIVABLE, OTHER

01 13800	A/R PROPERTY TAXES	30,796.87

TOTAL ACCTS RECEIVABLE, OTHER		30,796.87

INVENTORIES

01 14301	INVENTORY-WATER SYSTEM PARTS	70,100.11

TOTAL INVENTORY		70,100.11

PREPAID EXPENSES

01 14400	PREPAYMENTS	973.47

TOTAL PREPAID EXPENSES		973.47

FIXED ASSETS

01 11130	FA ORGANIZATION	336,271.54
01 11130 01	ACCUMULATED DEP ORGANIZATION (96,608.35)
01 11135	FA LAND	76,611.39
01 11140	FA BUILDINGS	237,604.13

PERIOD ENDING 06/30/14

GENERAL FUND

01 11140 01	ACCUMULATED DEP BUILDINGS	(213,106.29)
01 11150	FA YARDS	61,487.73
01 11150 01	ACCUMULATED DEP YARDS	(53,226.59)
01 11160	FA FUELS TANKS	18,943.10
01 11160 01	ACCUMULATED DEP FUEL TANK	(13,014.81)
01 11170	FA WATER SYSTEM	8,209,841.62
01 11170 01	ACCUMULATED DEP WATER SYSTEM	(5,003,783.14)
01 11180	FA SHOP EQUIPMENT	41,327.36
01 11180 01	ACCUMULATED DEP SHOP EQUIP	(40,355.44)
01 11181	FA MOBILE EQUIPMENT	507,932.72
01 11181 01	ACCUMULATED DEP MOBILE EQUIP	(414,580.02)
01 11190	FA OFFICE EQUIPMENT	96,088.98
01 11190 01	ACCUMULATED DEP OFFICE EQUIP	(95,365.53)
01 14501	JV WELL	177,095.85

TOTAL FIXED ASSETS	3,833,164.25
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CONSTRUCTION IN PROGRESS-OTHER

TOTAL CIP (OTHERS)	0.00
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CONSTRUCTION IN PROGRESS ASSET

01 12054	PUMP PLANTS-MANUAL SWITCHES 6A	21,398.82
TOTAL CIP ASSET	21,398.82	

DEBT ISSUANCE COST

TOTAL DEBT ISSUANCE COST	0.00
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TOTAL ASSETS	5,435,383.57
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LIABILITIES

ACCOUNTS PAYABLE

01 22520	ACCRUED INTEREST PAYABLE	1,958.00
01 22700	ACCOUNTS PAYABLE	89,613.89
TOTAL ACCOUNTS PAYABLE	91,571.89	

ACCRUED PAYROLL

01 22900	ACCRUED PAYROLL LIABILITIES	19,024.50
01 22910	ACCRUED EMPLOYEE COMP BALANCES	49,914.78
TOTAL ACCRUED PAYROLL	68,939.28	

CUSTOMER DEPOSITS

01 22540	UNCLAIMED FUNDS	585.40
01 22550	CUSTOMER DEPOSITS PENDING	2,290.48
01 22600	CUSTOMER DEPOSITS	55,839.99

PERIOD ENDING 06/30/14

GENERAL FUND

TOTAL CUSTOMER DEPOSITS		58,715.87
CONSTRUCT IN PROGRESS DEPOSIT		
01 22601	DOLLAR GENERAL DEPOSIT	700.70

TOTAL CIP DEPOSIT		700.70
LIAB PYBL FRM RESTRICTD ASSETS		
01 22950	ACCRUED INT PAYABLE DV ID BNDS	2,544.00

TOTAL LIAB PYBL FRM REST ASSET		2,544.00
LONG TERM DEBT		
01 21101	REVENUE BONDS PAYABLE - DV	203,977.05
01 22300	REVENUE BONDS PAYABLE - BH	470,000.00

TOTAL LONG TERM DEBT		673,977.05
TOTAL LIABILITIES		896,448.79
EQUITY		

01 30109	CONTRIBUTED CAPITAL/HUD	291,035.88
01 30111	FMHA GRANTS	758,297.76
01 31000	FUND BALANCE	2,936,568.24
01 31001	FUND BALANCE FEMA & OES	427,895.00
01 31111	CURR YEAR NET REVENUE/EXPENSE	125,137.90
TOTAL EQUITY		4,538,934.78
TOTAL LIABILITIES & EQUITY		5,435,383.57
=====		

Prepared By

Date

Reviewed By

JB
8/8/14
must

STATEMENT OF REVENUE AND EXPENSE
PERIOD ENDING 06/30/14

GENERAL FUND

		BUDGET	REV OR EXP THIS MONTH	REV OR EXP YEAR TO DATE	AVAILABLE	YTD % OF BUDGET
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REVENUE						

OPERATING REVENUE						
01 41000	SERVICE LINE INSTALLATION FEES	1,255.00	1,320.00	1,320.00	-65.00	105.18%
01 41001	BASIC FACILITIES CHARGE	4,098.00	4,098.00	4,098.00	0.00	100.00%
01 41100	INCOME METERED WATER	398,205.00	64,344.48	399,457.39	-1,252.39	100.31%
01 41300	BASIC SERVICE CHARGE	576,235.00	73,966.33	594,884.75	-18,649.75	103.24%
01 41400	INCOME METERED BULK WATER	47,312.00	6,173.41	52,322.54	-5,010.54	110.59%
01 41700	INCOME OTHER (OPERATING)	37,200.00	2,665.29	37,780.99	-580.99	101.56%
		-----	-----	-----	-----	-----
	TOTAL OPERATING REVENUE	1,064,305.00	152,567.51	1,089,863.67	-25,558.67	102.40%
NON-OPERATING REVENUE						
01 49100	GA02 GEN LEVY IMP DIST A BH	51,600.00	1,500.39	50,858.37	741.63	98.56%
01 49101	DA01 DEBT SRVC IMP 1 (BH BOND)	175,900.00	27,097.33	182,013.76	-6,113.76	103.48%
01 49102	GA01 GENERAL TAX LEVY (BDV)	50,100.00	1,480.48	48,854.45	1,245.55	97.51%
01 49103	INCOME REVENUE BONDS DV FMHA	48,825.00	8,285.91	49,843.36	-1,018.36	102.09%
01 49200	INTEREST INCOME	3,000.00	0.00	1,827.52	1,172.48	60.92%
01 49600	INCOME OTHER (NON OPERATING)	0.00	804.54	4,398.79	0.00	0.00%
01 49999	GRANTS FOR AMES RECHE	0.00	11,048.45	94,963.63	0.00	0.00%
01 49999 01	GRANT FOR HAZARD MITIGATION	0.00	7,413.10	7,413.10	0.00	0.00%
		-----	-----	-----	-----	-----
	TOTAL NON-OPERATING REVENUE	329,425.00	57,630.20	440,172.98	-110,747.98	133.62%
		-----	-----	-----	-----	-----
	TOTAL REVENUE	1,393,730.00	210,197.71	1,530,036.65	-136,306.65	109.78%
EXPENSE						

OPERATIONS EXPENSE						
01 54102	OPERATIONS COMPENSATION	154,565.00	14,218.25	170,871.57	-16,306.57	110.55%
01 54103	UNIFORMS	2,650.00	345.79	1,979.23	670.77	74.69%
01 54105	AUTO CONTROLS	2,640.00	425.92	2,555.59	84.41	96.80%
01 54106	VEHICLE/TRACTOR/EQUIP EXPENSE	6,000.00	44.00	12,257.23	-6,257.23	204.29%
01 54107	VEHICLE EXPENSE - FUEL	24,600.00	1,247.03	21,533.63	3,066.37	87.54%
01 54109	FIELD MATERIALS & SUPPLIES	25,000.00	8,662.22	25,898.36	-898.36	103.59%
01 54111	WATER TESTING	4,525.00	744.00	3,409.00	1,116.00	75.34%
01 54112	CONTRACTUAL SERV- ENGINEERING	29,967.00	13,443.71	13,443.71	16,523.29	44.86%
01 54112 07	EVAL OF WELLS 2, 3, 4 W07A	3,608.00	0.00	3,608.39	- .39	100.01%
01 54114	WATER SYSTEM REPAIRS	25,000.00	10,204.83	31,084.62	-6,084.62	124.34%
01 54115	BUILDING MAINTENANCE/REPAIR	19,750.00	1,615.23	16,782.90	2,967.10	84.98%
01 54119	COMMUNICATIONS EXPENSE	1,500.00	208.06	1,351.45	148.55	90.10%
01 54121	DISINFECTION EXPENSE	5,000.00	314.33	4,942.41	57.59	98.85%
01 54125	POWER WELLS & PUMPS	63,000.00	14,024.97	52,937.76	10,062.24	84.03%
01 54130	OTHER OPERATIONS EXPENSES	15,000.00	0.00	13,460.42	1,539.58	89.74%
01 54150	PAYROLL LABOR TO PROJECTS	0.00	-9,592.67	-10,669.52	0.00	0.00%
01 54160	VEH & EQUIP EXPENSE TO PROJECT	0.00	0.00	-12.12	0.00	0.00%

STATEMENT OF REVENUE AND EXPENSE
PERIOD ENDING 06/30/14

GENERAL FUND

		BUDGET	REV OR EXP THIS MONTH	REV OR EXP YEAR TO DATE	AVAILABLE	YTD % OF BUDGET
		-----	-----	-----	-----	-----
01 54170	EXP TO WIP PROJECTS	0.00	0.00	-21,626.22	0.00	0.00%
		-----	-----	-----	-----	-----
	TOTAL OPERATIONS EXPENSE	382,805.00	55,905.67	343,808.41	38,996.59	89.81%
		-----	-----	-----	-----	-----
BULK SYSTEM EXPENSE						
01 55001	PUMPING PLANT EXPENSE	6,500.00	1,259.56	5,666.12	833.88	87.17%
01 55002	BULK OPERATIONS & MAINTENANCE	5,000.00	2,322.65	9,982.89	-4,982.89	199.66%
		-----	-----	-----	-----	-----
	TOTAL BULK SYSTEM EXPENSE	11,500.00	3,582.21	15,649.01	-4,149.01	136.08%
		-----	-----	-----	-----	-----
ADMINISTRATIVE EXPENSE						
01 56001	DIRECTOR FEES	37,000.00	4,320.80	24,537.21	12,462.79	66.32%
01 56001 01	DISTRIBUTE TO DIRECTOR ACCTS	0.00	-4,320.80	-24,537.21	0.00	0.00%
01 56002 01	DIRECTOR MCBRIDE	0.00	1,275.82	5,510.36	0.00	0.00%
01 56002 02	DIRECTOR CORL-LORONO	0.00	1,435.36	9,949.13	0.00	0.00%
01 56002 03	DIRECTOR LARSON end 08/27/13	0.00	0.00	300.00	0.00	0.00%
01 56002 04	DIRECTOR BURKHART	0.00	210.00	1,860.59	0.00	0.00%
01 56002 05	DIRECTOR STALEY	0.00	420.00	4,187.51	0.00	0.00%
01 56002 06	DIRECTOR COULOMBE start9/24/13	0.00	979.62	2,729.62	0.00	0.00%
01 56003	ADMINISTRATIVE COMPENSATION	275,000.00	28,906.82	266,140.07	8,859.93	96.78%
01 56006	CONTRACTUAL SERV-AUDITOR	30,000.00	0.00	29,918.00	82.00	99.73%
01 56007	CONTRACTUAL SERV-LEGAL	15,000.00	618.75	6,187.50	8,812.50	41.25%
01 56008	PERS CONTRIBUTION	47,050.00	3,591.42	46,244.58	805.42	98.29%
01 56009	PAYROLL TAXES	10,150.00	630.01	11,581.34	-1,431.34	114.10%
01 56011	TELEPHONE/FAX/INTERNET/WEB	6,700.00	789.19	6,068.33	631.67	90.57%
01 56012	MAILING EXPENSES	4,360.00	374.03	5,262.18	-902.18	120.69%
01 56014	CONTRACTUAL SERV-OTHER	18,800.00	1,874.43	20,295.69	-1,495.69	107.96%
01 56016	PROPERTY/LIABILITY EXPENSE	26,000.00	0.00	26,558.24	-558.24	102.15%
01 56017	WORKERS COMP INSURANCE	6,500.00	0.00	6,922.60	-422.60	106.50%
01 56018	DUES & SUBSCRIPTIONS	10,050.00	81.00	10,051.00	-1.00	100.01%
01 56020	POWER OFFICES & YARDS	5,600.00	715.00	3,872.12	1,727.88	69.15%
01 56022	BAD DEBT EXPENSE	2,000.00	75.87	2,508.12	-508.12	125.41%
01 56022 01	BAD DEBT - LIENS UNCOLLECTABLE	0.00	4,500.00	6,951.05	0.00	0.00%
01 56025	PROPANE	1,800.00	0.00	1,261.93	538.07	70.11%
01 56030	OFFICE SUPPLIES	6,700.00	1,116.81	6,398.31	301.69	95.50%
01 56100	EMPLOYEE BENEFITS INSURANCE	95,400.00	-892.23	90,418.78	4,981.22	94.78%
01 56101	FLEXIBLE SPENDING ACCOUNT	0.00	-219.24	20.69	0.00	0.00%
01 56103	PLAN FEE & OTHER INS	0.00	-122.04	-358.39	0.00	0.00%
01 56104	SUPPLEMENTAL LIFE	0.00	-141.46	0.07	0.00	0.00%
01 56105	DISABILITY INS	0.00	-168.80	0.21	0.00	0.00%
01 56106	CANCER INS	0.00	-17.76	492.60	0.00	0.00%
01 56110	EMPLOYEE EDUCATION	3,000.00	448.00	2,401.98	598.02	80.07%
01 56150	PAYROLL FRINGE EXP TO PROJECTS	0.00	-3,507.26	-3,544.92	0.00	0.00%
01 56160	OVERHEAD TO PROJECTS	0.00	-1,589.95	-1,637.23	0.00	0.00%
		-----	-----	-----	-----	-----
	TOTAL ADMINISTRATIVE EXPENSE	601,110.00	41,383.39	568,552.06	32,557.94	94.58%
		-----	-----	-----	-----	-----
CONSTRUCTION IN PROGRESS EXPNS						
01 56190 02	ARC FLASH HAZARD STUDY	15,100.00	15,100.00	15,100.00	0.00	100.00%

STATEMENT OF REVENUE AND EXPENSE
PERIOD ENDING 06/30/14

GENERAL FUND

	BUDGET	REV OR EXP THIS MONTH	REV OR EXP YEAR TO DATE	AVAILABLE	YTD % OF BUDGET
01 56190 03 EQUIP PUMPING PLANTS-SWITCHES	6,325.00	0.00	0.00	6,325.00	0.00%
01 56191 CSA 70\W-1 ANNEXATION	0.00	12,010.97	13,589.38	0.00	0.00%
01 56191 01 LAFCO APPLICATION (HOFFMAN)	10,500.00	0.00	10,300.00	200.00	98.10%
01 56191 02 MAPPING CSA W1 ANNEX	3,000.00	0.00	3,000.00	0.00	100.00%
01 56191 03 AUDIT SERVICE CSA W1 ANNEX	5,000.00	0.00	0.00	5,000.00	0.00%
01 56191 04 LAFCO COST CSA W1 ANNEX	38,450.00	0.00	29,105.18	9,344.82	75.70%
01 56192 HAZARD MITIGATION PLAN	33,333.00	8,388.93	15,752.10	17,580.90	47.26%
01 56193 AMES RECHE FINAL	0.00	8,537.69	11,048.45	0.00	0.00%
TOTAL CONSTRCTN IN PROG EXPNS	111,708.00	44,037.59	97,895.11	13,812.89	87.63%
TOTAL OPERATING EXPENSE	1,107,123.00	144,908.86	1,025,904.59	81,218.41	92.66%
NON-OPERATING EXPENSE					
01 56200 OFFICE EQUIPMENT EXPENSE	8,500.00	7,998.52	14,845.34	-6,345.34	174.65%
01 56300 CUSTOMER RELATIONS	6,159.31	1,777.00	7,588.59	-1,429.28	123.21%
01 56300 01 LANDERS POST OFFICE GARDEN	2,890.69	0.00	4,384.32	-1,493.63	151.67%
01 56400 OTHER ADMINISTRATIVE EXPENSES	1,500.00	85.76	3,123.59	-1,623.59	208.24%
01 57000 INTEREST EXPENSE - BH BONDS	28,000.00	1,958.00	27,211.98	788.02	97.19%
01 57100 DEPRECIATION EXPENSE	0.00	920.68	233,056.61	0.00	0.00%
01 57350 MWA PIPELINE DEBT	73,300.00	73,232.00	73,232.00	68.00	99.91%
01 58100 ELECTION COSTS	5,000.00	2,547.00	2,547.00	2,453.00	50.94%
01 59100 INTEREST EXPENSE - DV BONDS	13,000.00	2,544.00	11,273.68	1,726.32	86.72%
01 59300 EXPENSE MISC	0.00	-12.67	1,775.05	0.00	0.00%
01 59400 GAIN (LOSS) ASSET DISPOSAL	0.00	-12,151.38	-44.00	0.00	0.00%
TOTAL NON-OPERATING EXPENSE	138,350.00	78,898.91	378,994.16	-240,644.16	273.94%
TOTAL EXPENSE	1,245,473.00	223,807.77	1,404,898.75	-159,425.75	112.80%
NET REV/EXP GENERAL FUND	148,257.00	-13,610.06	125,137.90	23,119.10	84.41%

Prepared By EB
Date 8/8/14
Reviewed By WIK

SOURCES & USES OF FUNDS STATEMENT
GENERAL ACCOUNT (UNION BANK)
JUNE 2014

SOURCES OF FUNDS:

A/R - WATER	89,745.43	
NEW SERVICE LINE	5,418.00	
MISCELLANEOUS REVENUE	520.96	
INCOME FOR TAXES & BOND	1,171.35	
CUSTOMER DEPOSITS	1,425.48	
 TOTAL		<u><u>98,281.22</u></u>

USE OF FUNDS:

A/R WATER & OTHER	228.17	
PREPAYMENTS	195.00	
INVENTORY PURCHASES	3,927.15	
HARZARD MITIGATION PLAN	3,534.08	
AMES/RECHE	6,722.69	
PAYROLL & BENENFITS	37,386.09	
OPERATIONS EXPENSES	25135.17	
ADMINISTRATIVE EXPENSE	15,640.58	
ELECTION COST	2,547.00	
 TOTAL		<u><u>95,315.93</u></u>

Prepared By JB
Date 8/8/14
Reviewed By MT

UNION BANK OF CALIFORNIA
DISBURSEMENT JUNE 2014

Datastream Check Register	<u>57,929.84</u>	
		<u>57,929.84</u>

EFT for Vendor Services		
Bank Fees posted in April	<u>-</u>	
Total		<u>-</u>

Wages for Paydate 06/05/14		
State & Fed Taxes plus PERS Paid	7,020.85	
Payroll checks 13851-13857	11,233.54	
Director Per Diem ck 13858-13862	<u>1,592.13</u>	
		<u>19,846.52</u>

Wages for Paydate 06/19/14		
State & Fed Taxes plus PERS Paid	6,464.95	
Payroll checks 13881-13887	10,589.78	
Director Per Diem 13888-13890	<u>484.84</u>	
		<u>17,539.57</u>

Transfers to LAIF	<u>-</u>	
		<u>-</u>

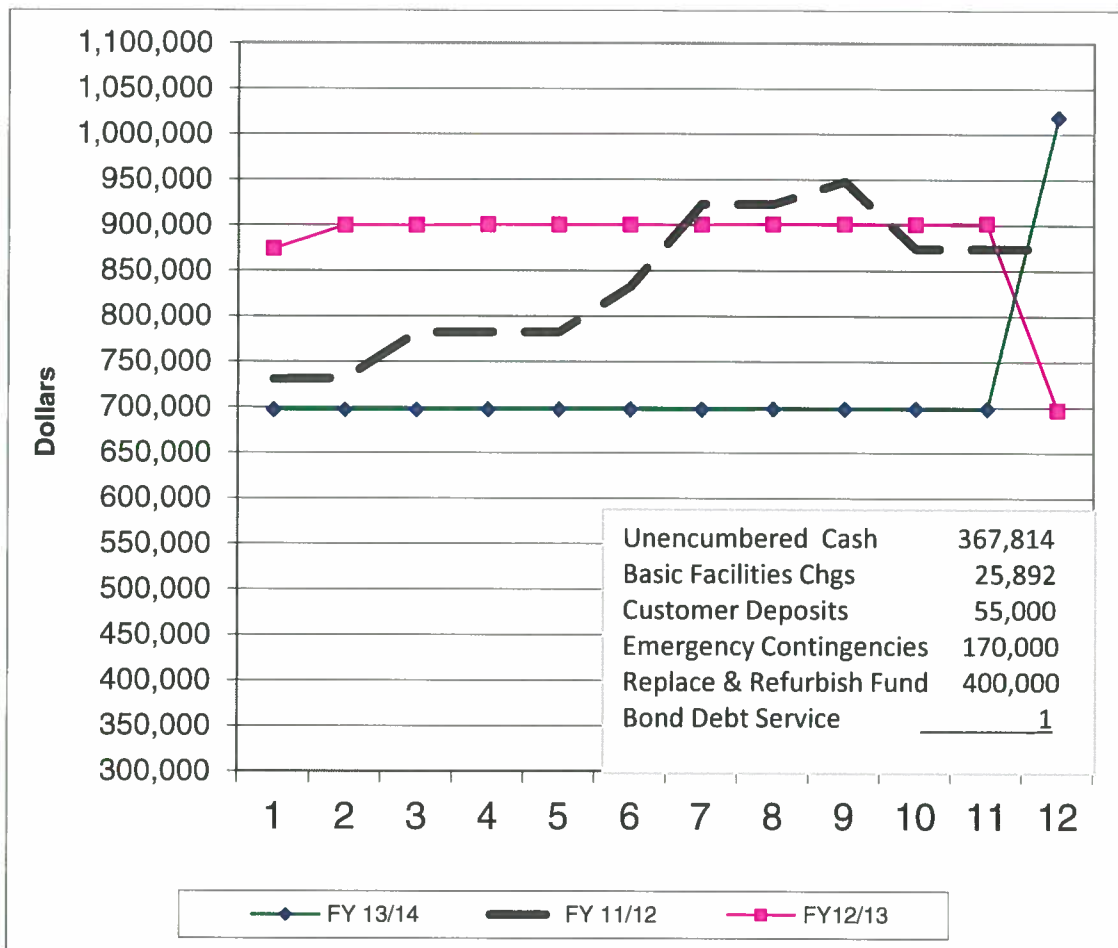
Total Disbursements		95,315.93
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Prepared By LB
Date 8/8/14
Reviewed By mm

Local Agency Investment Fund Balance Timeline

Balance as of

	FY 11/12	FY 12/13	FY 13/14
July	730,685	873,934	697,409
August	731,593	899,726	697,409
September	781,593	899,726	697,409
October	782,302	900,521	697,861
November	782,302	900,521	697,861
December	832,302	900,521	697,861
January	923,069	900,521	697,861
February	923,069	901,252	698,310
March	948,069	901,252	698,310
April	873,934	901,252	698,707
May	873,934	901,880	698,707
June	873,934	696,880	1,018,707



BIGHORN-DESERT VIEW WTR AGENCY
CHECK REGISTER
JUNE 30, 2014

CHECK#	DATE	PAYEE & DESCRIPTION	AMOUNT
13863	06/05/14	AKLUFU AND WYSOCKI LEGAL FEES MAY 2014	330.00
13864	06/05/14	CLINICAL LABORATORY OF PLATE CT, BACT TEST PLATE CT, BACT TEST, GEN PHY INORGANIC CHEM, GEN PHYSICAL, GEN MINERAL, LANGLIER	896.00
13865	06/05/14	JUDY CORL-LORONO 2014 LEG DAYS-BAGGAGE/PC IN-RM	56.02
13866	06/05/14	LARRY COULOMBE 2014 LEG DAYS-MILEAGE/FOOD	415.27
13867	06/05/14	D & S FLOOR COVERINGS CARPET FOR MAIN AREA DV OFFICE FINAL PAYMENT	836.00
13868	06/05/14	GOODSPEED DISTRIBUTING INC UNLEADED FUEL	413.13
13869	06/05/14	GRISWOLD INDUSTRIES PRV-12:MAIN VALVE, RELIEF PRV-13:MAINTENANCE	3,938.71
13870	06/05/14	THE HOME DEPOT #6971 FIELD MATERIALS, BLDNG MAINT PAINT DV OFFICE PAINT DV OFFICE	570.46
13871	06/05/14	INFOSEND, INC. OUTSOURCE BILLING DQ MAY 2014	152.52
13872	06/05/14	INLAND WATER WORKS CRT-1 20, FIELD MATERIAL	1,052.35
13873	06/05/14	LEGACY OFFICE PRODUCTS DV OFFICE FURNITURE	5,092.21
13874	06/05/14	MICHAEL MCBRIDE 2014 LEG DAYS-LODGING/MILEAGE	470.47
13875	06/05/14	MOJAVEWIFI.COM LLC INTERNET JUNE 2014	95.00
13876	06/05/14	OFFICE DEPOT WIRELESS KEYBOARD/MOUSE OFFICE SUPPLIES FLAG	146.05
13877	06/05/14	RICHARDS, WATSON & GERSHON AMES/RECHE	5,120.19
13878	06/05/14	S.B. CO. REGISTRAR OF VOTERS CONSOLIDATED ELECTION NOV 2013	2,547.00
13879	06/05/14	UNDERGROUND SERVICE ALERT DIG ALERTS, 21 TICKETS	31.50
13880	06/05/14	XEROX CORPORATION LEASE PAYMENT 5/13-6/12 23 OF 60	216.97
13891	06/18/14	CLINICAL LABORATORY OF BACT TEST, GEN PHY	150.00
13892	06/18/14	DAVID RODRIGUEZ	

BIGHORN-DESERT VIEW WTR AGENCY
CHECK REGISTER
JUNE 30, 2014

CHECK#	DATE	PAYEE & DESCRIPTION	AMOUNT
		CALTRANS HANDLEY/BOONE	254.46
13893	06/18/14	GRAINGER	
		TIMERS FOR WELL 8 & C-BOOSTER	271.94
13894	06/18/14	THE HOME DEPOT #6971	
		FIELD MATERIALS	8.34
13895	06/18/14	IMAGE SOURCE, INC	
		COPIES	56.64
13896	06/18/14	INFOSEND, INC.	
		OUTSOURCE BILLING 05/30/14	574.54
13897	06/18/14	INLAND WATER WORKS	
		D-040P0-1 5; PE-CTS-1 100;	
		PE-IPS-1 100; FIELD MATERIALS	
		H150711 10; H150721IPS 5;	
		AV23-4; FIELD MATERIALS	1,998.27
13898	06/18/14	MAID TO ORDER	
		SVC JEMEZ & MTG RM 05/10/14	
		SVC JEMEZ 05/24/14	247.60
13899	06/18/14	SIERRA WEST CONSULTANTS, INC.	
		HAZARD MITIGATION PLAN	
		3RD PAYMENT	3,500.00
13900	06/18/14	XEROX CORPORATION	
		LEASE PAYMENT 06/13-07/12	
		24 OF 60 PAYMENTS	216.97
13901	06/27/14	BILL WASHLAKE	
		BALANCE RFND ACCT# 0906425	94.64
13902	06/27/14	EDGAR WATTS	
		BALANCE RFND ACCT# 1006139	41.43
13903	06/27/14	ICA REALTY	
		BALANCE RFND ACCT# 1004204	8.19
13904	06/27/14	SANI H. PANHWAR	
		BALANCE RFND ACCT# 0707718	53.91
13905	06/27/14	MICHAEL CARUSO	
		SAFTEY WORKBOOTS, MCARUSO	54.21
13906	06/27/14	CLINICAL LABORATORY OF	
		BACT TEST, PLATE CT, GEN PHY	142.00
13907	06/27/14	GOODSPEED DISTRIBUTING INC	
		UNLEADED FUEL	1,227.03
13908	06/27/14	INLAND WATER WORKS	
		FIELD MATERIALS	
		PE-CTS-1 100, ZPM07CF 10,	
		MBP-#3	1,445.04
13909	06/27/14	JOSHUA BASIN WATER DISTRICT	
		USGS AQUIFER 101 SEMINAR	50.00
13910	06/27/14	OFFICE DEPOT	
		FILE CABINET	1,941.83
13911	06/27/14	PETTY CASH	
		OFFICE, MTG & EVENT SUPPLIES	231.12
13912	06/27/14	QUILL	
		OFFICE SUPPLIES	103.62
13913	06/27/14	RICHARDS, WATSON & GERSHON	
		LEGAL - AMES/RECHE	1,602.50
13914	06/27/14	USA BLUEBOOK	
		CLORINATION SUPPLIES	314.33
13915	06/27/14	COUNTY OF SAN BERNARDINO	

BIGHORN-DESERT VIEW WTR AGENCY
CHECK REGISTER
JUNE 30, 2014

CHECK#	DATE	PAYEE & DESCRIPTION	AMOUNT
		ANNUAL EXCAVATION PERMIT 07/01/14-07/01/15	195.00
80000087	06/03/14	PAY ONLINE BURRTEC WASTE&RECYC TRASH FEE JUN 2014	81.99
80000088	06/03/14	PAY-ONLINE---PROTECTION ONE OFFICE 06/26/14-09/25/14 SHOP 06/26/14-07/25/14	203.47
80000089	06/03/14	SO CAL EDISON POWER EXP APR 2014	8,428.97
80000090	06/03/14	VERIZON CALIFORNIA AUTO CONTROLS & PHONES	555.26
80000091	06/05/14	PAY ONLINE-FIRST NATIONAL BANK 2014 SBC WATER CONF (AUG2014) NOTARY FOR A LIEN OFFICE FURNITURE 2014 SD LEG DAYS - AIRFARE 2014 SD LEG DAYS - SHUTTLE 2014 SD LEG DAYS-REGISTRATION SOLAR AD HOC COMMITTEE - FOOD	1,315.87
80000092	06/17/14	AT&T MOBILITY COMMUNICATION EXP	102.09
80000093	06/17/14	CINTAS CORPORATION #150 UNIFORMS	100.00
80000094	06/17/14	PITNEY PURCHASE POWER POSTAGE FOR MAR-MAY 2014	150.00
80000095	06/26/14	CINTAS CORPORATION #150 UNIFORMS SVC JUNE 2014	100.00
80000096	06/26/14	PAY ONLINE-FIRST NATIONAL BANK CSDA CONF 05/19/14-05/20/14 LODGING OFFICE SUPPLIES & SHREDDING EVENT SUPPLIES EDUCATION FOR MCOBIBIN & DDIAZ	2,171.35
80000097	06/26/14	SO CAL EDISON POWER EXP MAY 2014	7,557.38
		TOTAL	57,929.84

Prepared By 83
Date 8/8/14
Reviewed By MSJ

PERIOD ENDING 07/31/14

GENERAL FUND

ASSETS

CASH & CASH EQUIVALENTS

01 13120	CASH UNION BANK OF CA	125,725.26
01 13130	CASH CASH DRAWERS BASE FUND	750.00
01 13400	CASH PETTY CASH FUND	800.00

TOTAL CASH & CASH EQUIVALENTS		127,275.26
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INVESTMENTS

01 13303	LAIF UNENCUMBERED CASH FUND	343,242.19
01 13306	LAIF-BASIC FACILITIES CHGS	25,892.00
01 13307	LAIF-CUSTOMER DEPOSITS	55,000.00
01 13309	LAIF EMERGENCY CONTINGENCIES	170,000.00
01 13310	LAIF REPLACE & REFURBISH FUND	400,000.00
01 13312	LAIF BOND DEBT SERVICE	25,001.00

TOTAL INVESTMENTS		1,019,135.19
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ACCOUNTS RECEIVABLE, WATER

01 13710	A/R WATER	152,489.06
01 13713	A/R UNBILLED	46,118.00
01 13904	DOLLAR GENERAL	395.42
01 13950	2009-10 LIEN REC \$41976	15,571.56
01 13951	2010-11 LIEN REC \$33945	11,951.29
01 13952	2011-12 LIEN REC \$36833	16,568.09
01 13953	2012-13 LIEN REC \$39364	22,263.25
01 13960	DUE FOR AMES/RECHE	11,048.45
01 13960 01	DUE FOR HAZARD MITIGATION	7,413.10
01 13990	ALLOWANCE FOR BAD DEBTS	(4,500.00)

TOTAL ACCTS RECEIVABLE, WATER		279,318.22
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ACCOUNTS RECEIVABLE, OTHER

01 13800	A/R PROPERTY TAXES	30,796.87
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TOTAL ACCTS RECEIVABLE, OTHER		30,796.87
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INVENTORIES

01 14301	INVENTORY-WATER SYSTEM PARTS	68,999.84
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TOTAL INVENTORY		68,999.84
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PREPAID EXPENSES

01 14401	PREPAYMENTS WORKERS COMP INSUR	1,208.67
01 14402	PREPAYMENTS PL & PD LIAB INS	24,888.14
01 14403	PREPAIDS	1,485.13

TOTAL PREPAID EXPENSES		27,581.94
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FIXED ASSETS

01 11130	FA ORGANIZATION	335,150.63
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BALANCE SHEET
PERIOD ENDING 07/31/14

GENERAL FUND

01	11130	01	ACCUMULATED DEP ORGANIZATION	(96,608.35)
01	11135		FA LAND		76,611.39
01	11140		FA BUILDINGS		237,417.18
01	11140	01	ACCUMULATED DEP BUILDINGS	(213,106.29)
01	11150		FA YARDS		61,466.99
01	11150	01	ACCUMULATED DEP YARDS	(53,226.59)
01	11160		FA FUELS TANKS		18,875.31
01	11160	01	ACCUMULATED DEP FUEL TANK	(13,014.81)
01	11170		FA WATER SYSTEM		8,192,844.32
01	11170	01	ACCUMULATED DEP WATER SYSTEM	(5,003,783.14)
01	11180		FA SHOP EQUIPMENT		41,256.54
01	11180	01	ACCUMULATED DEP SHOP EQUIP	(40,355.44)
01	11181		FA MOBILE EQUIPMENT		506,355.60
01	11181	01	ACCUMULATED DEP MOBILE EQUIP	(414,580.02)
01	11190		FA OFFICE EQUIPMENT		96,066.64
01	11190	01	ACCUMULATED DEP OFFICE EQUIP	(95,365.53)
01	14501		JV WELL		177,095.85

TOTAL FIXED ASSETS	3,813,100.28
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CONSTRUCTION IN PROGRESS-OTHER

TOTAL CIP (OTHERS)	0.00
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CONSTRUCTION IN PROGRESS ASSET

01 12054	PUMP PLANTS-MANUAL SWITCHES 6A	21,398.82
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TOTAL CIP ASSET	21,398.82
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DEBT ISSUANCE COST

TOTAL DEBT ISSUANCE COST	0.00
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TOTAL ASSETS	5,387,606.42
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LIABILITIES

ACCOUNTS PAYABLE

01 22520	ACCRUED INTEREST PAYABLE	1,958.00
01 22700	ACCOUNTS PAYABLE	84,289.78

TOTAL ACCOUNTS PAYABLE	86,247.78
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ACCRUED PAYROLL

01 22910	ACCRUED EMPLOYEE COMP BALANCES	49,914.78
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TOTAL ACCRUED PAYROLL	49,914.78
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CUSTOMER DEPOSITS

01 22540	UNCLAIMED FUNDS	585.40
01 22550	CUSTOMER DEPOSITS PENDING	1,390.48

GENERAL FUND

01 22600	CUSTOMER DEPOSITS	57,039.99

	TOTAL CUSTOMER DEPOSITS	59,015.87

CONSTRUCT IN PROGRESS DEPOSIT		
01 22601	DOLLAR GENERAL DEPOSIT	700.70

	TOTAL CIP DEPOSIT	700.70

LIAB PYBL FRM RESTRICTD ASSETS		
01 22950	ACCRUED INT PAYABLE DV ID BNDS	2,544.00

	TOTAL LIAB PYBL FRM REST ASSET	2,544.00

LONG TERM DEBT		
01 21101	REVENUE BONDS PAYABLE - DV	203,977.05
01 22300	REVENUE BONDS PAYABLE - BH	470,000.00

	TOTAL LONG TERM DEBT	673,977.05

TOTAL LIABILITIES	872,400.18
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EQUITY

01 30109	CONTRIBUTED CAPITAL/ HUD	291,035.88
01 30111	FMHA GRANTS	758,297.76
01 31000	FUND BALANCE	3,061,706.14
01 31001	FUND BALANCE FEMA & OES	427,895.00
01 31111	CURR YEAR NET REVENUE/EXPENSE (23,728.54)

TOTAL EQUITY	4,515,206.24
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TOTAL LIABILITIES & EQUITY	5,387,606.42
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STATEMENT OF REVENUE AND EXPENSE
PERIOD ENDING 07/31/14

GENERAL FUND

		BUDGET	REV OR EXP THIS MONTH	REV OR EXP YEAR TO DATE	AVAILABLE	YTD % OF BUDGET
		-----	-----	-----	-----	-----
REVENUE						

OPERATING REVENUE						
01 41000	SERVICE LINE INSTALLATION FEES	1,255.00	0.00	0.00	1,255.00	0.00%
01 41001	BASIC FACILITIES CHARGE	4,098.00	0.00	0.00	4,098.00	0.00%
01 41100	INCOME METERED WATER	389,631.00	42,552.78	42,552.78	347,078.22	10.92%
01 41300	BASIC SERVICE CHARGE	567,600.00	50,012.41	50,012.41	517,587.59	8.81%
01 41400	INCOME METERED BULK WATER	47,728.00	6,900.66	6,900.66	40,827.34	14.46%
01 41700	INCOME OTHER (OPERATING)	37,950.00	5,104.90	5,104.90	32,845.10	13.45%
TOTAL OPERATING REVENUE		1,048,262.00	104,570.75	104,570.75	943,691.25	9.98%
NON-OPERATING REVENUE						
01 49100	GA02 GEN LEVY IMP DIST A BH	51,100.00	1,417.51	1,417.51	49,682.49	2.77%
01 49101	DA01 DEBT SRVC IMP 1 (BH BOND)	175,900.00	26,090.64	26,090.64	149,809.36	14.83%
01 49102	GA01 GENERAL TAX LEVY (BDV)	49,102.00	1,398.70	1,398.70	47,703.30	2.85%
01 49103	INCOME REVENUE BONDS DV FMHA	48,825.00	-5.11	-5.11	48,830.11	-0.01%
01 49200	INTEREST INCOME	2,500.00	428.04	428.04	2,071.96	17.12%
01 49600	INCOME OTHER (NON OPERATING)	0.00	646.57	646.57	0.00	0.00%
01 49999	FUNDS FOR AMES/RECHE	5,000.00	0.00	0.00	5,000.00	0.00%
01 49999 01	GRANT FOR HAZARD MITIGATION	25,000.00	0.00	0.00	25,000.00	0.00%
TOTAL NON-OPERATING REVENUE		357,427.00	29,976.35	29,976.35	327,450.65	8.39%
TOTAL REVENUE		1,405,689.00	134,547.10	134,547.10	1,271,141.90	9.57%
EXPENSE						

OPERATIONS EXPENSE						
01 54102	OPERATIONS COMPENSATION	167,833.00	12,787.71	12,787.71	155,045.29	7.62%
01 54103	UNIFORMS	2,650.00	0.00	0.00	2,650.00	0.00%
01 54105	AUTO CONTROLS	2,640.00	0.00	0.00	2,640.00	0.00%
01 54106	VEHICLE/TRACTOR/EQUIP EXPENSE	9,000.00	454.62	454.62	8,545.38	5.05%
01 54107	VEHICLE EXPENSE - FUEL	21,000.00	0.00	0.00	21,000.00	0.00%
01 54109	FIELD MATERIALS & SUPPLIES	25,000.00	1,861.91	1,861.91	23,138.09	7.45%
01 54111	WATER TESTING	6,300.00	0.00	0.00	6,300.00	0.00%
01 54112	CONTRACTUAL SERV- ENGINEERING	40,000.00	0.00	0.00	40,000.00	0.00%
01 54114	WATER SYSTEM REPAIRS	27,500.00	1,166.76	1,166.76	26,333.24	4.24%
01 54115	BUILDING MAINTENANCE/REPAIR	13,000.00	734.37	734.37	12,265.63	5.65%
01 54119	COMMUNICATIONS EXPENSE	1,500.00	0.00	0.00	1,500.00	0.00%
01 54121	DISINFECTION EXPENSE	5,000.00	614.36	614.36	4,385.64	12.29%
01 54125	POWER WELLS & PUMPS	68,750.00	0.00	0.00	68,750.00	0.00%
01 54130	OTHER OPERATIONS EXPENSES	8,000.00	195.00	195.00	7,805.00	2.44%
01 54170	EXP TO CIP PROJECTS	0.00	-3,459.95	-3,459.95	0.00	0.00%

STATEMENT OF REVENUE AND EXPENSE
PERIOD ENDING 07/31/14

GENERAL FUND

	BUDGET	REV OR EXP THIS MONTH	REV OR EXP YEAR TO DATE	AVAILABLE	YTD % OF BUDGET
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TOTAL OPERATIONS EXPENSE	398,173.00	14,354.78	14,354.78	383,818.22	3.61%
BULK SYSTEM EXPENSE					
01 55001 PUMPING PLANT EXPENSE	7,500.00	0.00	0.00	7,500.00	0.00%
01 55002 BULK OPERATIONS & MAINTENANCE	5,000.00	0.00	0.00	5,000.00	0.00%
TOTAL BULK SYSTEM EXPENSE	12,500.00	0.00	0.00	12,500.00	0.00%
ADMINISTRATIVE EXPENSE					
01 56001 DIRECTOR FEES	31,200.00	2,379.82	2,379.82	28,820.18	7.63%
01 56001 01 DISTRIBUTE TO DIRECTOR ACCTS	0.00	-2,379.82	-2,379.82	0.00	0.00%
01 56002 01 DIRECTOR MCBRIDE	0.00	426.58	426.58	0.00	0.00%
01 56002 02 DIRECTOR CORL-LORONO	0.00	660.29	660.29	0.00	0.00%
01 56002 04 DIRECTOR BURKHART	0.00	206.08	206.08	0.00	0.00%
01 56002 05 DIRECTOR STALEY	0.00	550.04	550.04	0.00	0.00%
01 56002 06 DIRECTOR COULOMBE	0.00	536.83	536.83	0.00	0.00%
01 56003 ADMINISTRATIVE COMPENSATION	272,105.00	18,584.30	18,584.30	253,520.70	6.83%
01 56006 CONTRACTUAL SERV-AUDITOR	30,000.00	0.00	0.00	30,000.00	0.00%
01 56007 CONTRACTUAL SERV-LEGAL	15,000.00	0.00	0.00	15,000.00	0.00%
01 56008 PERS CONTRIBUTION	53,860.00	6,096.11	6,096.11	47,763.89	11.32%
01 56009 PAYROLL TAXES	11,730.00	248.75	248.75	11,481.25	2.12%
01 56011 TELEPHONE/FAX/INTERNET/WEB	6,000.00	95.00	95.00	5,905.00	1.58%
01 56012 MAILING EXPENSES	1,425.00	-2.78	-2.78	1,427.78	- .20%
01 56014 CONTRACTUAL SERV-OTHER	30,000.00	1,028.26	1,028.26	28,971.74	3.43%
01 56016 PROPERTY/LIABILITY EXPENSE	22,850.00	2,262.56	2,262.56	20,587.44	9.90%
01 56017 WORKERS COMP INSURANCE	7,655.00	604.33	604.33	7,050.67	7.89%
01 56018 DUES & SUBSCRIPTIONS	10,600.00	138.97	138.97	10,461.03	1.31%
01 56020 POWER OFFICES & YARDS	6,000.00	0.00	0.00	6,000.00	0.00%
01 56022 BAD DEBT EXPENSE	1,000.00	0.00	0.00	1,000.00	0.00%
01 56025 PROPANE	1,800.00	0.00	0.00	1,800.00	0.00%
01 56030 OFFICE SUPPLIES	6,700.00	125.13	125.13	6,574.87	1.87%
01 56100 EMPLOYEE BENEFITS INSURANCE	101,750.00	16,563.55	16,563.55	85,186.45	16.28%
01 56101 FLEXIBLE SPENDING ACCOUNT	0.00	-91.36	-91.36	0.00	0.00%
01 56103 PLAN FEE & OTHER INS	0.00	-64.19	-64.19	0.00	0.00%
01 56104 SUPPLEMENTAL LIFE	0.00	-58.94	-58.94	0.00	0.00%
01 56105 DISABILITY INS	0.00	-70.32	-70.32	0.00	0.00%
01 56106 CANCER INS	0.00	-11.24	-11.24	0.00	0.00%
01 56110 EMPLOYEE EDUCATION	3,000.00	0.00	0.00	3,000.00	0.00%
TOTAL ADMINISTRATIVE EXPENSE	612,675.00	47,827.95	47,827.95	564,847.05	7.81%
CONSTRUCTION IN PROGRESS EXPNS					
01 56191 CSA 70\W-1 ANNEXATION	1,500.00	0.00	0.00	1,500.00	0.00%
01 56191 01 LAFCO APPLICATION (HOFFMAN)	2,000.00	0.00	0.00	2,000.00	0.00%
01 56191 03 AUDIT SERVICE CSA W1 ANNEX	5,000.00	0.00	0.00	5,000.00	0.00%
01 56191 04 LAFCO COST CSA W1 ANNEX	9,850.00	-450.00	-450.00	10,300.00	-4.57%
01 56191 05 LABOR FOR W1 ANNEX	0.00	2,471.39	2,471.39	0.00	0.00%
01 56192 HAZARD MITIGATION PLAN	22,470.00	494.28	494.28	21,975.72	2.20%

STATEMENT OF REVENUE AND EXPENSE
PERIOD ENDING 07/31/14

GENERAL FUND

	BUDGET	REV OR EXP THIS MONTH	REV OR EXP YEAR TO DATE	AVAILABLE	YTD % OF BUDGET
01 56193 AMES RECHE FINAL	5,000.00	98.86	98.86	4,901.14	1.98%
01 56194 82 REPLACE VEHICLE	28,750.00	0.00	0.00	28,750.00	0.00%
01 56194 83 F250 UPGRADE	5,000.00	0.00	0.00	5,000.00	0.00%
01 56194 91 COMPUTER EQUIPMENT	4,500.00	0.00	0.00	4,500.00	0.00%
01 56194 92 FINANCIAL & BILLING SOFTWARE	41,400.00	0.00	0.00	41,400.00	0.00%
01 56194 93 1ST YEAR SOFTWARE SUPPORT	25,984.00	0.00	0.00	25,984.00	0.00%
01 56199 BOND PAYMENTS	116,000.00	0.00	0.00	116,000.00	0.00%
TOTAL CONSTRCTN IN PROG EXPNS	267,454.00	2,614.53	2,614.53	264,839.47	0.98%
TOTAL OPERATING EXPENSE	1,290,802.00	64,797.26	64,797.26	1,226,004.74	5.02%
NON-OPERATING EXPENSE					
01 56200 OFFICE EQUIPMENT EXPENSE	3,300.00	0.00	0.00	3,300.00	0.00%
01 56300 CUSTOMER RELATIONS	5,200.00	86.56	86.56	5,113.44	1.66%
01 56400 OTHER ADMINISTRATIVE EXPENSES	2,000.00	95.85	95.85	1,904.15	4.79%
01 57000 INTEREST EXPENSE - BH BONDS	23,500.00	0.00	0.00	23,500.00	0.00%
01 57100 DEPRECIATION EXPENSE	0.00	20,063.97	20,063.97	0.00	0.00%
01 57350 MWA PIPELINE DEBT	73,300.00	73,232.00	73,232.00	68.00	99.91%
01 59100 INTEREST EXPENSE - DV BONDS	10,400.00	0.00	0.00	10,400.00	0.00%
TOTAL NON-OPERATING EXPENSE	117,700.00	93,478.38	93,478.38	24,221.62	79.42%
TOTAL EXPENSE	1,408,502.00	158,275.64	158,275.64	1,250,226.36	11.24%
NET REV/EXP GENERAL FUND	-2,813.00	-23,728.54	-23,728.54	20,915.54	843.53%

Prepared By JS
Date 8/20/14
Reviewed By mt

SOURCES & USES OF FUNDS STATEMENT
GENERAL ACCOUNT (UNION BANK)
JULY 2014

SOURCES OF FUNDS:

A/R - WATER	98,790.89	
NEW SERVICE LINE		
MISCELLANEOUS REVENUE	472.78	
INCOME FOR TAXES & BOND	31,491.87	
CUSTOMER DEPOSITS	1,400.00	
 TOTAL		<u><u>132,155.54</u></u>

USE OF FUNDS:

A/R WATER & OTHER	278.26	
PREPAYMENTS		
INVENTORY PURCHASES	1,965.11	
PREPAYMENTS	26,096.81	
HARZARD MITIGATION PLAN		
LAIF INTEREST	428.04	
PAYROLL & BENENFITS	56,943.93	
OPERATIONS EXPENSES	5,610.63	
ADMINISTRATIVE EXPENSE	23,274.04	
MWA PIPELINE DEBT	73,232.00	
 TOTAL		<u><u>187,828.82</u></u>

Prepared By JB
Date 8/20/14
Reviewed By mt

UNION BANK OF CALIFORNIA
DISBURSEMENT JULY 2014

Datastream Check Register	<u>130,178.59</u>	
		<u>130,178.59</u>

EFT for Vendor Services

Bank Fees	<u>278.26</u>	
Total		<u>278.26</u>

Wages for Paydate 07/03/14

State & Fed Taxes plus PERS Paid	6,855.33	
Payroll checks 13916-13922	10,938.06	
Director Per Diem ck 13923-13927	<u>870.86</u>	
		<u>18,664.25</u>

Wages for Paydate 07/17/14

State & Fed Taxes plus PERS Paid	6,910.48	
Payroll checks 13942-13948	11,686.26	
Director Per Diem 13949-13951	<u>303.06</u>	
		<u>18,899.80</u>

Wages for Paydate 07/31/14

State & Fed Taxes plus PERS Paid	6,954.08	
Payroll checks 13964-13970	11,019.61	
Director Per Diem ck 13971-13975	<u>1,406.19</u>	
		<u>19,379.88</u>

Transfers to LAIF	<u>428.04</u>	
		<u>428.04</u>

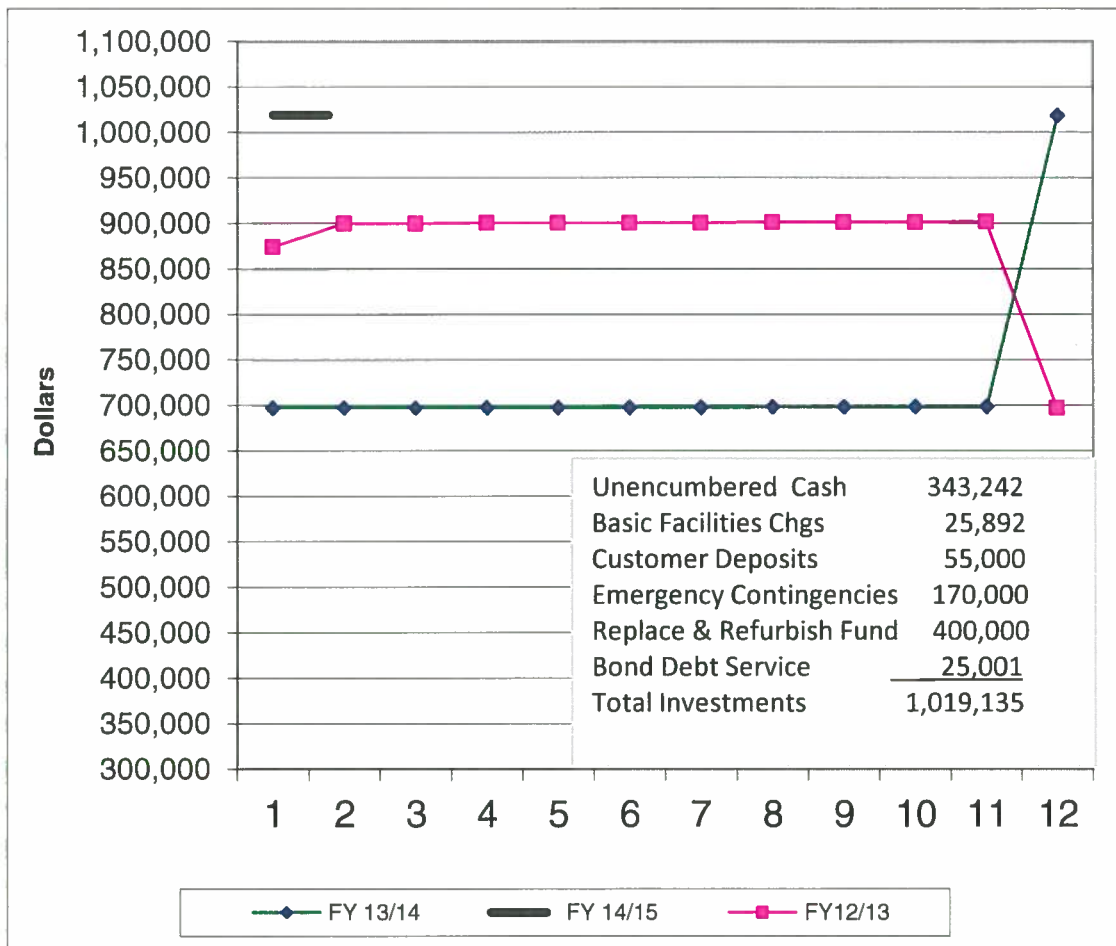
Total Disbursements		<u>187,828.82</u>
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Prepared By AB
Date 8/20/14
Reviewed By mt

Local Agency Investment Fund Balance Timeline

Balance as of

	FY 12/13	FY 13/14	FY 14/15
July	873,934	697,409	1,019,135
August	899,726	697,409	1,019,135
September	899,726	697,409	
October	900,521	697,861	
November	900,521	697,861	
December	900,521	697,861	
January	900,521	697,861	
February	901,252	698,310	
March	901,252	698,310	
April	901,252	698,707	
May	901,880	698,707	
June	696,880	1,018,707	



BIGHORN-DESERT VIEW WTR AGENCY
CHECK REGISTER
JULY 31, 2014

CHECK#	DATE	PAYEE & DESCRIPTION	AMOUNT
13928	07/03/14	ACWA/JPIA	
		ACWA/JPIA HEALTH BENEFITS	819.71
13929	07/03/14	COUNTY TREASURER OF S.B.	
		2014-2015 LAFCO APPORTIONMENT	138.97
13930	07/03/14	DATASTREAM BUSINESS SOLUTIONS	
		SOFTWARE MAINT 070114-093014	750.00
13931	07/03/14	J & G GARAGE	
		2010 RANGER 9090, OIL CHANGE	
		2012 DODGE DODGE, 2 TIRES	423.32
13932	07/03/14	MOJAVE WATER AGENCY	
		2015 MWA PIPELINE DEBT SVC	73,232.00
13933	07/03/14	MOJAVEWIFI.COM LLC	
		INTERNET JULY 2014	95.00
13934	07/03/14	SDRMA	
		SDRMA MEDICAL BENEFITS	
		JULY 2014	
		PROP LIABILITY INS JULY 2014 &	
		AUG-JUNE 2015	
		SDRMA W/C JULY 2014 &	
		AUG - SEPT 2014	37,098.20
13935	07/03/14	AKLUFU AND WY SOCKI	
		LEGAL FEES, JUNE 2014	288.75
13936	07/03/14	MICHAEL CARUSO	
		SAFTEY WORKBOOTS, CARUSO	91.58
13937	07/03/14	INFOSEND, INC.	
		OUTSOURCE BILLING DQ JUNE 2014	162.41
13938	07/03/14	INLAND WATER WORKS	
		FIELD MATERIALS & J-1900W.75 5	
		FIELD MATERIALS	
		JR5.5POLYC 12	3,272.76
13939	07/03/14	J & G GARAGE	
		2012 DODGE, OIL CHANGE	
		2010 RANGER 9091, OIL CHANGE	44.00
13940	07/03/14	OFFICE DEPOT	
		OFFICE SUPPLIES	
		OFFICE SUPPLIES	161.44
13941	07/03/14	UNDERGROUND SERVICE ALERT	
		DIG ALERTS, 33 TICKETS	49.50
13952	07/17/14	IMAGE SOURCE, INC	
		COPIES 06/03/14-07/02/14	192.22
13953	07/17/14	OFFICE DEPOT	
		OFFICE SUPPLIES	
		OFFICE SUPPLIES	13.85
13954	07/17/14	ULINE, INC	
		FIELD MATERIALS	313.60
13955	07/17/14	ACWA/JPIA	
		ACWA/JPIA HEALTH BENEFITS	
		AUG 2014	819.71
13956	07/17/14	AUTOZONEPARTS	
		SHOP SUPPLIES &	

BIGHORN-DESERT VIEW WTR AGENCY
CHECK REGISTER
JULY 31, 2014

CHECK#	DATE	PAYEE & DESCRIPTION	AMOUNT
		F-150 WIPER BLADES	84.18
13957	07/17/14	JUDY CORL-LORONO	
		MEETING REGARDING W-1: LUNCH	26.42
13958	07/17/14	THE HOME DEPOT #6971	
		EVENT SUPPLIES	
		OFFICE SUPPLIES/FIELD MATERIAL	
		EVENT SUPPLIES	303.04
13959	07/17/14	INLAND WATER WORKS	
		FIELD MATERIAL, C-900-8 20,	
		CPFR-8 3, RC-3X1C 10	
		FIELD MATERIAL & J-1900W-1 5	
		FIELD MATERIAL	
		FIELD MATERIAL	1,928.40
13960	07/17/14	INTER VALLEY POOL SUPPLY, INC	
		CHLORINE	614.36
13961	07/17/14	NELSON HEATING AND AIR	
		BOARDROOM A/C MAINT	350.00
13962	07/17/14	QUILL	
		TAPES & GREENBAR FOLDERS	36.67
13963	07/17/14	SDRMA	
		SDRMA MEDICAL BENEFITS	
		AUG 2014	8,134.50
80000098	07/02/14	VERIZON CALIFORNIA	
		AUTO CONTROLS & PHONES	578.03
80000099	07/17/14	AT&T MOBILITY	
		COMMUNICATION EXP	105.97
80000100	07/17/14	PITNEY PURCHASE POWER	
		MAILING EXP JUNE 2014	50.00
		TOTAL	130,178.59

Prepared By GB
Date 8/11/14
Reviewed By must



Date: August 1, 2014
 To: Marina West
 From: Destiny Diaz
 Subject: Service Order Report for JULY 2014

SERVICE ORDER REPORT FOR FISCAL YEAR 2013-2014

	J	A	S	O	N	D	J	F	M	A	M	J	YTD
After Hours Call Out	3												3
AirVac Maintenance	0												0
AirVac Replacement	3												3
Booster Repair/Maintenance (New Category)	0												1
Bulk Stations: Maintenance	0												0
Close Account	10												10
Customer Requested Asst	3												3
Reported Leaks	1												1
Destroy Service Line	0												0
Exchange Meter	2												2
Facility Inspections*	4												4
Fire Flow Test	0												0
Flush Deadend/Blowoffs	0												0
General Maintenance	0												0
Hangtag	11												11
Hydrant Maint.	0												0
Install New Service	0												0
Lock-Off's	10												10
Miscellaneous	19												19
Office Repairs	0												0
Open New Service	10												10
Pressure Complaint	1												1
Pull Meter	0												0
Read Meter	7												7
Repair Mainline	4												4
Repair Service Line	1												1
Replace Service Line	5												5
Reread Meter	23												23
Safety Meeting	2												2
Tamper	1												1
Tank/Reservoir Maintenance/Repairs	0												0
Unlock Service	15												15
Valve Maintenance	0												0
Verify Meter Locked	5												5
Water Quality Issues **	2												2
Well Repairs/Maint. And Water Level	0												0
TOTAL	142	0	0	0	0	0	0	0	0	0	0	0	142

*Includes Inspections for Fire Extinguishers, Vehicles and Facilities

** Includes Water Quality (taste, odor, color)



DATE: 8/13/2014
TO: Board of Directors
FROM: Kit Boyd
RE: July Production

	Cubic Feet Pumped	Total Gallons Pumped	Average GPM	Total Running Time	acre feet
Well 2	Well is "inactive"				
Well 3	750,300	5,612,244	408	229.3	17.22
Well 4	Well is "inactive"				
Well 6	416,950	3,118,786	406	128	9.57
Well 7	228,680	1,710,526	364	78.4	5.25
Well 8	197,100	1,474,308	917	26.8	4.52
Well 9	429,600	3,213,408	658	81.4	9.86
Well 10	29,660	221,857	75	49.1	0.68
Total	2,052,290	15,351,129	431	593	47.11
A Boosters	122,390	915,477	140	109	
C Boosters	213,700	1,598,476	235	113.6	
Total	336,090	2,513,953			

Bighorn-Desert View Water Agency

Board of Directors

Judy Corl-Lorono, President
J. Dennis Staley, Vice President
Terry Burkhart, Secretary
Michael McBride, Director
J. Larry Coulombe, Director

Marina D West, PG, General Manager



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A Public Agency

www.bdvwa.org

BOARD OF DIRECTORS' REGULAR MEETING MINUTES

BOARD MEETING OFFICE
1720 N. Cherokee Trail, Landers, CA 92285
Tuesday, July 22, 2014 – 6:00 p.m.

Call to Order

Meeting convened by Board President Judy Corl-Lorono at 6:00 p.m.

Pledge of Allegiance

Led by Ms. Adams

Roll Call

Directors Present:

Judy Corl-Lorono
J. Dennis Staley
Terry Burkhart
Michael McBride
J. Larry Coulombe

Staff Present:

Marina West
Michelle Corbin

Approval of Agenda

Motion to approve the agenda.

MSC¹ (Staley/McBride) unanimously approved.

Hazard Mitigation Plan Status Update and Receive Public Comments

Gary Strudivan of Sierra West Consulting gave a brief report on the natural hazards the Agency has identified as possible threats. Mr. Strudivan also gave an overview of the Hazard Mitigation Plan and how it relates to possible mitigation funding in the future. A final document outlining the plan will be complete within the next two months. Once complete the document will go to the Office of Emergency Services and the Federal Emergency Management Agency (FEMA) for their approval.

Public comments:

Anonymous asked for clarification on possible terrorist threats to the water system.

Resolution 14R-12 Supporting the 2014 Mojave Water Agency Integrated Regional Water Management Plan

General Manager West reviewed the program and introduced the Mojave Water Agency Integrated Regional Water Management Plan. The Board is being asked to adopt a resolution supporting the plan.

No public comment.

Motion No. 14-037

(After brief Board discussion), Director Coulombe made a motion to adopt Resolution 14R-12 Adopting the Mojave Water Agency Integrated Regional Water Management Plan Pursuant to the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Prop. 84). The motion was seconded by Director Burkhart.

MSC¹ (Coulombe/Burkhart)

Corl-Lorono: Y

Staley: Y

Burkhart: Y

McBride: Y

Coulombe: Y

Public Hearing: Resolution 14R-13 – A Resolution Confirming Reports of Delinquent Accounts for Basic Service Charges, Water Charges, Revenue Bond Surcharges, Delinquent Fees and Processing Fees and Authorizing Placement of Property Liens on the Secured Tax Rolls of San Bernardino County for Collection of Delinquencies Within Bighorn-Desert View Water Agency

Michelle Corbin gave a brief overview of the Agency lien process. This year is the lowest dollar amount lien when compared to the previous four years.

General Manager West reported that approximately half of the past years lien amounts have been collected.

President Corl-Lorono opened the public hearing.

Public comment:

Mike Lipsitz asked why several of the dollar amounts are similar.

President Corl-Lorono closed the public hearing.

Motion No. 14-038

(After brief Board discussion), Director Burkhart made a motion to adopt Resolution No. 14R-13 Confirming reports of delinquent accounts for basic service charges, water charges, revenue bond surcharges, delinquent fees and processing fees AND authorizing the placement of property liens on the secured tax rolls of San Bernardino County for collection of delinquencies within Bighorn-Desert View Water Agency. Director McBride seconded the motion.

Roll Call Vote:

Ayes: Burkhart, McBride, Coulombe, Staley, Corl-Lorono

Nays: None

Abstain: None

Absent: None

MSC¹ (Burkhart/McBride)

Adjourned for a Break at 6:59 p.m. - Reconvened from Break at 7:12 p.m.

Update on Dissolution of CSA 70/W-1 and Annexation to BDVWA

General Manager West reported the San Bernardino Board of Supervisors will vote in August on the tax transfer.

President Corl-Lorono reported on her recent meetings with Supervisor Gonzales Chief of Staff and Supervisor Rutherford.

Director Staley reported on meetings he attended with Supervisor Rutherford and the Chief of Staff for Supervisor Gonzales. He feels the Agency is in good shape and this project will become a reality.

General Manager West she is expecting the San Bernardino County Board of Supervisors will vote on the tax transfer in August. West also reported she is preparing a Public Information Request for Special Districts.

Public Comment:

Anonymous stated he is very upset about the spending Special Districts is carrying out in CSA 70/W-1.

Anonymous asked why the San Bernardino County Board of Supervisors appear to have no control over the outrageous spending.

Anonymous stated that down the road larger issues with the system will arise and questioned how this will be paid for.

General Manager West asked this person what problems is she aware of. West reminded the Board of the similarities of the CSA 70 W-1 system and the Bighorn-Desert View Water Agency systems.

Anonymous questioned the response time CSA 70 W-1 faces when there are leaks.

Resolution 14R-14 Authorizing Leak Detection Grant in the Amount of \$87,000

General Manager West gave the staff report. This grant is one hundred percent (100%) funded. West explained the Agency has worked towards minimizing water loss through a meter replacement program however the Agency is still experiencing unaccountable loss. West stated a system wide program used to identify "hot spots" within the water system would benefit the Agency. Her plan is to focus first on high pressure areas and proactively look for possible issues before they happen.

No public comment.

Motion No. 14-039

(After brief Board discussion), After Board discussion, Director Burkhart made a motion to adopt Resolution No. 14R-14 a Resolution of the Bighorn-Desert View Water Agency authorizing General Manager to sign and submit a funding agreement and any amendments thereto for funding under the Safe Drinking Water Bond Law (SDWBL) Program; and authorizing General Manager to approve requests for partial payment (claims for reimbursement); and authorizing General Manager to sign the budget and expenditure summary; and authorizing General Manager to sign Certificate of Project Completion. The motion was seconded by Director McBride.

MSC¹ (Burkhart/McBride)

Corl-Lorono: Y

Staley: Y

Burkhart: Y

McBride: Y

Coulombe: Y

Hondo Road Leak – Update

General Manager West gave a brief power point on a leak that occurred on July 2, 2014. West described the steps involved in repairing this large leak that began after business hours.

Anonymous questioned how a leak this large would have been handled if it was located within CSA 70 W-1 Landers.

Anonymous asked how the replacement pipe was connected to the older pipe.

Consent Items

- a. Service Order Report, June 2014
- b. Production Report, June 2014
- c. Regular Board Meeting Minutes, June 24, 2014

No Public comment.

Motion No. 14-040

Director McBride made a motion to approve consent items a - c. The motion was seconded by Director Burkhart.

MSC¹ (McBride/Burkhart)

Corl-Lorono: Y
Staley: Y
Burkhart: Y
McBride: Y
Coulombe: Y

Matters Removed From Consent Calendar - None

Information Received From Other Agencies

General Manager West introduced a media release that does pertain to the Agency. The State Water Recourses Control Board has approved an emergency regulation to "ensure water agencies, their customers and state residents increase water conservation in urban settings or face possible fines or other enforcement".

Public Comment Period - No public comment.

Verbal Reports

Director Coulombe reported on the Morongo Basin Pipeline Committee meeting he had attended where a resolution to support the Integrated Regional Water Management Plan was adopted.

President Corl-Lorono reported on the Municipal Advisory Committee meeting where they discussed the Desert Renewable Conservation Plan.

Future Agenda Items

No future agenda items suggested.

Adjournment – President Judy Corl-Lorono adjourned the meeting at 8:29 p.m.

Approved by:

Terry Burkhart, Secretary of the Board

MSC¹ – Motion made, seconded, and carried.