



JOSHUA BASIN WATER DISTRICT  
**REGULAR MEETING OF THE BOARD OF DIRECTORS**  
WEDNESDAY, DECEMBER 20, 2017, at 6:30 PM  
61750 CHOLLITA ROAD, JOSHUA TREE, CA 92252

**AGENDA**

1. **CALL TO ORDER**
2. **PLEDGE OF ALLEGIANCE**
3. **DETERMINATION OF A QUORUM**
4. **APPROVAL OF AGENDA**
5. **PUBLIC COMMENT**

This is the time set aside for public comment on any District-related matter not appearing on the agenda. Government Code prohibits the Board from taking action on these items, but they may be referred for future consideration. Please state your name and limit your comments to 3 minutes.
6. **CONSENT CALENDAR**

Matters on the Consent Calendar are considered routine in nature and will be enacted in a single motion without discussion. Any Board member or member of the public may request that an item be removed from the Consent Calendar and acted on separately.

  - A. Approve Draft Minutes of December 6, 2017, Regular Meeting of the Board of Directors.
  - B. October-November 2017 Check Registers (Reviewed by Finance Committee on December 18, 2017).
  - C. 2018 Salary Schedule (Annual cost of living increase adopted by Resolution No's. 17-973 and 17-974 by the Board of Directors on May 3, 2017).
7. **ELECTION OF BOARD OFFICERS-** Recommend that the Board elect a Vice President and President of the Board of Directors for 2018.
8. **FIRST QUARTER ENDING 9/30/17 FINANCIAL REPORT** – Recommend that the Board approve the First Quarter Financial report ending 9/30/2017. (Reviewed by the Finance Committee on 12/18/2017).
9. **RATE STUDY** –Recommend that the Board receive for information and provide direction for an ongoing rate study.
10. **REQUEST FROM CUSTOMER TO MOVE METER BETWEEN PARCELS** – Recommend that the Board deny the request to move a meter from one parcel to another parcel.
11. **PROPOSED RESERVE FUND POLICY** – Receive for information only. Review and provide any suggested changes to the Finance Committee (Directors Floen and Johnson).
12. **DISTRICT GENERAL COUNSEL REPORT** – Mr. Gil Granito

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Pages 31-42

Pages 43-82

Pages 83-85

Pages 86-90

13. **GENERAL MANAGER REPORT – GM Curt Sauer**
14. **DIRECTOR REPORTS ON MEETINGS ATTENDED, COMMENTS AND FUTURE AGENDA ITEMS –**
  - Mojave Water Agency Technical Advisory Committee (TAC) – December 7, 2017 – President Luckman
  - Mojave Water Agency Board of Directors Meeting – December 14, 2017 – Vice President Johnson
  - Finance Committee – December 18, 2017-Vice President Johnson and Director Floen
  - Water Resources and Operations Committee- December 18, 2017 - Director Floen and Director Hund
  - Public Outreach Consultant – Kathleen Radnich
15. **FUTURE DIRECTOR MEETINGS AND TRAINING OPPORTUNITIES**
  - Mojave Water Agency Board of Directors Meeting – January 11, 2018, at 9:30 a.m. – Director Hund
  - Citizens Advisory Committee – January 9, 2018, at 6:00 p.m.- Chairperson Karen Tracy
  - Finance Committee – January 10, 2018, at 9:00 a.m. – Vice President Johnson and Director Floen
  - Water Resources & Operations – January 10, 2018, at 10:00 a.m.- Vice President Johnson and Director Hund

(Please note that the Finance and Water Resources & Operations Committee meetings have been moved to the 2<sup>nd</sup> Wednesday of each month)
16. **ADJOURNMENT**

#### INFORMATION

The public is invited to comment on any item on the agenda during discussion of that item. Any person with a disability who requires accommodation in order to participate in this meeting should telephone Joshua Basin Water District at (760) 366-8438, at least 48 hours prior to the meeting in order to make a request for a disability-related modification or accommodation.

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

JOSHUA BASIN WATER DISTRICT  
Minutes of December 6, 2017  
REGULAR MEETING OF THE BOARD OF DIRECTORS

1. CALL TO ORDER: 6:30 PM

2. PLEDGE OF ALLEGIANCE

3. DETERMINATION OF QUORUM:

Mickey Luckman	Present
Bob Johnson	Absent
Geary Hund	Present
Rebecca Unger	Present
Tom Floen	Present

STAFF PRESENT:

Curt Sauer, General Manager  
Susan Greer, Assistant General Manager  
Randy Mayes, Interim Director of Water Resources & Ops.  
Keith Faul, GIS Coordinator  
Beverly Waszak, Executive Assistant

CONSULTANTS PRESENT:

Chris Brown, Fedak & Brown, LLP  
Alex Handlers, Bartles Wells Associates  
Gil Granito, Redwine & Sherrill  
Kathleen Radnich, Public Outreach

GUESTS 5

4. APPROVAL OF AGENDA –

MSC/Hund/Floen 4/0/1 to approve the Agenda of the Regular Meeting of the Board of Directors of December 6, 2017.

Floen	Aye
Hund	Aye
Luckman	Aye
Johnson	Absent
Unger	Aye

5. PUBLIC COMMENT –

Karen Tracy, CAC Chairperson reported on the CAC meeting earlier in the day and that the CAC consensus was they were comfortable with Scenario's 2 and 3.

Al Marquez, Joshua Tree stated that Well 14 has been out of commission since January 2016. A lot of money has gone into rehabbing Well 14, and the community is asking why it is taking so long to have Well 14 back online.

Ed Vallerand, Joshua Tree commented that after meeting with Mr. Sauer at the Copper Mountain Mesa meeting, he decided to look at several online sites and compare Joshua Tree with Twentynine Palms so he could understand the rate increases better. Mr. Vallerand had given each Board member a copy of his comparisons to review.

Steve Tuttle, Joshua Tree commended the JBWD on all of the different proposals and agreed that scenarios 2 or 3 are wonderful. Mr. Tuttle owns several different properties and receives a bill for each separate property. He suggested maybe combining them into one bill would make more sense and save money. Mr. Tuttle is in favor of new meters and would be willing to contribute for a meter with a flow rate.

Rand Kidman, Copper Mountain Mesa is looking to have an inactive meter moved to another parcel, which would essentially help him and the District.

PUBLIC COMMENT CLOSED

CONSENT CALENDAR

6.
  - A. Approve Draft Minutes of the November 14, 2017, Special Joint Workshop Meeting of the Board of Directors and Citizens Advisory Committee
  - B. Approve Draft Minutes of the November 15, 2017, Regular Meeting of the Board of Directors.

MSC/Hund/Unger 4/0/1 to approve the Consent Calendar.

Floen	Aye
Hund	Aye
Luckman	Aye
Johnson	Absent
Unger	Aye

7. NOMINATION OF GAYLE AUSTIN TO THE CITIZENS ADVISORY COMMITTEE (CAC) - Recommend that the Board appoint Gayle Austin to the Citizens Advisory Committee (CAC).

MSC/Unger/Hund 4/0/1 to approve the nomination of Gayle Austin to the Citizens Advisory Committee (CAC).

Floen	Aye
Hund	Aye
Luckman	Aye
Johnson	Absent
Unger	Aye

8. REVIEW OF FISCAL YEAR ENDING 6/30/17 AUDITED FINANCIAL STATEMENT – Recommend that the Board received the report, ask questions and accept and file.

Chris Brown, Partner, Fedak & Brown, LLP gave a brief overview of the fiscal year ending 6/30/17 Audit and congratulated JBWD on a clean Audit. A Q&A period was given after the presentation.

PUBLIC COMMENT

Ed Vallerand, Joshua Tree, asked if they had used the GAAP method of accounting.

Mr. Brown responded that it was a little out of his realm but if the GAAP methodology was in the accounting framework then yes.

Ed Vallerand asked if it was normal to have a 15% increase in the customer service area.

Mr. Brown agreed that yes this happens when you have part-time employees.

PUBLIC COMMENT CLOSED

President Luckman and the Board thanked Anne Roman for all of her help with the Audit. MSC/Hund/Unger 4/0/1 to accept and file the fiscal year ending 6/30/17 Audited Financial Statement.

Floen	Aye
Hund	Aye
Luckman	Aye
Johnson	Absent
Unger	Aye

AGM Susan Greer stated Anne Roman is due much more than a round of applause. Hundreds of hours of her time go through this process, and we need to acknowledge her efforts. The Audit takes months of coordination with our Auditor, staff, as well as third parties. Anne works many extra hours to produce the Audit within the required timeline. The District is extremely fortunate to have Anne on staff, and I am privileged to have her on my team and really cannot say enough about her integrity and the value she brings to the District.

9. UPDATED INFORMATION ON THE RATE STUDY- Recommend that the Board receives for information and provides direction for the ongoing rate study. Alex Handlers, Bartles Wells Associates, gave an update on the new scenarios. A Q&A period followed.

#### PUBLIC COMMENT

Gayle Austin thanked Alex Handlers, Bartles Wells Associates for taking the time to answer all of her questions and using language that she could understand. If she did not understand, Mr. Handlers took the extra time to explain.

#### PUBLIC COMMENT CLOSED

10. SOLAR FEASIBILITY GRANT APPLICATION AND RESOLUTION NO. 17-981- Recommend that the Board approve Resolution No. 17-981, which allows the District to apply for grant monies for a feasibility study. GM Sauer reported that at the November 1, 2017, Board meeting, Director Hund presented a proposal to investigate the feasibility of constructing a solar project to offset our electrical consumption. The Board approved the concept and directed the GM to move forward on a grant for a feasibility study. This resolution authorizes the GM to apply for the grant and if successful, in receiving grant monies, to conduct said feasibility study.

#### PUBLIC COMMENT

Al Marquez, Joshua Tree commented that the community is in favor of solar projects but not solar fields. He also stated that the County Plan and the Community Plan are in favor of solar for residential but not commercial. If the District could arrange for a rooftop solar and have something similar at each of the well sites, then the community would be in favor.

MSC/Unger/Hund 4/0/1 to approve Resolution No. 17-981 which authorizes the GM to apply for a grant to conduct a Feasibility Study.

Floen	Aye
Hund	Aye
Luckman	Aye
Johnson	Absent
Unger	Aye

11. RECEIVE INFORMATION ON DEVELOPING A HAZARD MITIGATION PLAN AND EMERGENCY RESPONSE PLAN- Recommend that the Board directs the General Manager to ensure completion of the plans. GM Sauer's Staff Report is attached to the minutes located at the District. A brief Q&A followed with the Board.

MSC/Floen/Unger 4/0/1 to direct the General Manager to ensure completion of the Hazard Mitigation Plan and the Emergency Response Plan.

Floen	Aye
Hund	Aye
Luckman	Aye
Johnson	Absent
Unger	Aye

12. DISTRICT GENERAL COUNSEL REPORT – None
13. GENERAL MANAGER REPORT – GM Sauer gave a staff report on the following items. The full staff report is attached to the minutes at the District:

1. County Mental Health Facility
2. Backflow Devices
3. Meters and Radio Read Equipment
4. Well #14
5. Chrome 6 Planning Grant
6. GM Evaluation due March 2018
7. Director Water Resources and Operations Hiring

GM Sauer also commented that the employees of this District go well beyond when it comes to trying to save money and reduce costs. I would invite any customer that has concerns with reducing costs to bring their ideas to us for due consideration.

14. DIRECTOR REPORTS ON MEETINGS ATTENDED, COMMENTS AND FUTURE AGENDA ITEMS-

President Luckman commented on the Mojave Water Agency (MWA) Board meeting about a flood-controlled pit; the County is digging along the Mojave River and using it for water storage, which creates a dual purpose.

Director Floen commented on the Finance Committee of November 20, 2017, about the Audit.

15. FUTURE DIRECTOR MEETINGS AND TRAINING OPPORTUNITIES- President Luckman referenced all the upcoming meetings.

16. ADJOURNMENT –

MSC/Unger/Floen 4/0/1 to adjourn the Regular Meeting of the Board of Directors of December 20, 2017, at 8:42 p.m.

Floen	Aye
Hund	Aye
Luckman	Aye
Johnson	Absent
Unger	Aye

Respectfully submitted:

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Curt Sauer, General Manager



Joshua Basin Water District

**\*Check Report JBWD**

By Check Number

Date Range: 10/01/2017 - 10/31/2017

Vendor Number	Vendor DBA Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Bank Code: AP-AP Cash						
000501	ACWA/JPIA	10/04/2017	Regular	0.00	49,995.37	59297
<u>JPIA093017</u>	Invoice	10/04/2017	AUTO & GENERAL LIABILITY 10/17 - 10/18	0.00	49,995.37	
013346	ANDY'S LANDSCAPE & TREE SERVICE INC.	10/04/2017	Regular	0.00	650.00	59298
<u>2050L</u>	Invoice	10/04/2017	DEMO GARDEN/BUILD MAINT THRU 9/15	0.00	650.00	
000675	AQUA-METRIC SALES COMPANY	10/04/2017	Regular	0.00	1,201.60	59299
<u>0066854-IN</u>	Invoice	10/04/2017	METER READING SUPPLIES	0.00	815.34	
<u>0066996-IN</u>	Invoice	10/04/2017	METER REPAIR SUPPLIES	0.00	386.26	
001297	BIGHORN-DESERT VIEW	10/04/2017	Regular	0.00	709.40	59300
<u>2017-002</u>	Invoice	10/04/2017	WELL 14 REHAB ASSISTANCE	0.00	709.40	
004110	BURRTEC WASTE & RECYCLING SVCS	10/04/2017	Regular	0.00	418.29	59301
<u>BW1017</u>	Invoice	10/04/2017	RECYCLING - OCT 17	0.00	60.41	
<u>BW1017B</u>	Invoice	10/04/2017	TRASH REMOVAL - OCT 17	0.00	270.90	
<u>BW1017C</u>	Invoice	10/04/2017	TRASH REMOVAL - OCT 17	0.00	86.98	
001550	CDW GOVERNMENT, INC	10/04/2017	Regular	0.00	970.90	59302
<u>KCW6232</u>	Invoice	10/04/2017	OFFICE SUPPLIES	0.00	970.90	
000237	COLONIAL LIFE & ACCIDENT INSURANCE CO, IN	10/04/2017	Regular	0.00	2,276.20	59303
<u>3990561-090520</u>	Invoice	10/04/2017	EE LIFE INSURANCE - SEPT 17	0.00	2,276.20	
013365	IMAGE SOURCE	10/04/2017	Regular	0.00	361.70	59304
<u>AR649585</u>	Invoice	10/04/2017	OFFICE EXPENSE 8/5/17 - 9/4/17	0.00	361.70	
013373	CORE & MAIN LP	10/04/2017	Regular	0.00	7,257.33	59305
<u>H480440</u>	Invoice	10/04/2017	MAINLINE/LEAK REPAIR SUPPLIES	0.00	885.06	
<u>H725965</u>	Invoice	10/04/2017	MAINLINE/LEAK REPAIR SUPPLIES	0.00	1,593.10	
<u>H776025</u>	Invoice	10/04/2017	MAINLINE/LEAK REPAIR SUPPLIES/SHOP E	0.00	946.24	
<u>H776037</u>	Invoice	10/04/2017	INVENTORY	0.00	1,183.56	
<u>H776089</u>	Invoice	10/04/2017	MAINLINE/LEAK REPAIR SUPPLIES	0.00	1,391.27	
<u>H817493</u>	Invoice	10/04/2017	MAINLINE/LEAK REPAIR SUPPLIES	0.00	1,258.10	
001461	BOLLINGER CONSULTING GROUP	10/04/2017	Regular	0.00	875.00	59306
<u>757</u>	Invoice	10/04/2017	WATER CONSERVATION - SEPT 17	0.00	875.00	
002420	DLT SOLUTIONS, INC	10/04/2017	Regular	0.00	-1,336.12	59307
002420	DLT SOLUTIONS, INC	10/04/2017	Regular	0.00	1,336.12	59307
<u>5J370008</u>	Invoice	10/04/2017	2018 AUTOCAD SUBSCRIPT RENEWAL	0.00	1,336.12	
002565	DUDEK AND ASSOCIATES, INC	10/04/2017	Regular	0.00	33,450.69	59308
<u>20174781</u>	Invoice	10/04/2017	ENG SERV: MULTIPLE PROJECTS	0.00	33,450.69	
003015	EUGENE K FAUL	10/04/2017	Regular	0.00	76.18	59309
<u>KF092517</u>	Invoice	10/04/2017	REIMB: MILES: J#C17008 SUNKIST PLAN C	0.00	76.18	
VEND1466	FEDAK & BROWN LLP	10/04/2017	Regular	0.00	4,500.00	59310
<u>FB092817</u>	Invoice	10/04/2017	FINANCIAL AUDIT 16/17	0.00	4,500.00	
003025	FEDEX	10/04/2017	Regular	0.00	244.74	59311
<u>5-938-07938</u>	Invoice	10/04/2017	SHIPPING: WELL 14 REHAB	0.00	244.74	
013212	FIDELITY NATIONAL TITLE COMPANY	10/04/2017	Regular	0.00	1,000.00	59312
<u>00006833</u>	Invoice	10/04/2017	PRELIMINARY TITLE REPORT: J#C17008 S	0.00	500.00	
<u>00006834</u>	Invoice	10/04/2017	PRELIMINARY TITLE REPORT: J#C17008 S	0.00	500.00	

\*Check Report JBWD

Date Range: 10/01/2017 - 10/31/2017

Vendor Number	Vendor DBA Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
013222	FRONTIER CALIFORNIA INC.	10/04/2017	Regular	0.00	164.96	59313
<u>FC1017</u>	Invoice	10/04/2017	HDMC WWTP - TELEPHONE	0.00	164.96	
006200	MCALLISTERS JANITORIAL SERV.	10/04/2017	Regular	0.00	580.00	59314
<u>62118</u>	Invoice	10/04/2017	JANITORIAL SERVICES - SEPT 17	0.00	580.00	
013351	HELENITA C. YOUNGLOVE	10/04/2017	Regular	0.00	120.00	59315
<u>146</u>	Invoice	10/04/2017	NOTARY SERVICES	0.00	120.00	
013197	INTER VALLEY POOL SUPPLY, INC.	10/04/2017	Regular	0.00	447.00	59316
<u>100594</u>	Invoice	10/04/2017	WATER TREATMENT EXPENSE	0.00	447.00	
003505	GARRYS TIRES	10/04/2017	Regular	0.00	728.03	59317
<u>13939</u>	Invoice	10/04/2017	VEHICLE REPAIRS: V27	0.00	728.03	
006504	MC CALL'S METERS SALES & SERVICE	10/04/2017	Regular	0.00	70.00	59318
<u>29804</u>	Invoice	10/04/2017	CERTIFIED FLOW TESTS	0.00	70.00	
003930	NBS	10/04/2017	Regular	0.00	2,051.99	59319
<u>91700137</u>	Invoice	10/04/2017	CMM ADMIN FEES - 4TH QTR 17	0.00	2,051.99	
000283	OCCU-MED, LTD.	10/04/2017	Regular	0.00	482.50	59320
<u>0817772QA</u>	Invoice	10/04/2017	EE RECRUITING EXPENSE	0.00	482.50	
000070	ONLINE INFORMATION SERVICES, INC.	10/04/2017	Regular	0.00	282.90	59321
<u>814272</u>	Invoice	10/04/2017	ID VERIF. SERV. THRU 09/30/17	0.00	282.90	
008415	PRUDENTIAL OVERALL SUPPLY	10/04/2017	Regular	0.00	184.06	59322
<u>22484681</u>	Invoice	10/04/2017	SHOP EXPENSE	0.00	41.83	
<u>22484682</u>	Invoice	10/04/2017	SHOP EXPENSE	0.00	50.20	
<u>22491900</u>	Invoice	10/04/2017	SHOP EXPENSE	0.00	41.83	
<u>22491902</u>	Invoice	10/04/2017	SHOP EXPENSE	0.00	50.20	
013361	QUINN COMPANY	10/04/2017	Regular	0.00	1,064.88	59323
<u>WOG00000495</u>	Invoice	10/04/2017	GENERATOR REPAIR: GR-1	0.00	1,064.88	
013360	REDWINE AND SHERRILL, LLP	10/04/2017	Regular	0.00	7,937.18	59324
<u>1031</u>	Invoice	10/04/2017	LEGAL SERVICES - SEPT 17	0.00	7,937.18	
013218	OFFICETEAM	10/04/2017	Regular	0.00	3,948.88	59325
<u>49167933</u>	Invoice	10/04/2017	TEMPORARY LABOR	0.00	1,518.80	
<u>49217765</u>	Invoice	10/04/2017	TEMPORARY LABOR	0.00	1,518.80	
<u>49262355</u>	Invoice	10/04/2017	TEMPORARY LABOR	0.00	911.28	
013777	ROSALIA C NIETO CRUZ	10/04/2017	Regular	0.00	185.73	59326
<u>RN092617</u>	Invoice	10/04/2017	PROJECT RECONCILIATION REFUND	0.00	185.73	
009878	SOUTHERN CALIFORNIA EDISON	10/04/2017	Regular	0.00	33,754.59	59327
<u>SCE0917</u>	Invoice	10/04/2017	POWER FOR PUMPING - SEPT 17	0.00	33,754.59	
009920	STANDARD INSURANCE CO	10/04/2017	Regular	0.00	905.89	59328
<u>ST1017</u>	Invoice	10/04/2017	EE LIFE INSURANCE - OCT 17	0.00	905.89	
013778	TWENTYNINE PALMS WATER DISTRICT	10/04/2017	Regular	0.00	200.00	59329
<u>TPWD092817</u>	Invoice	10/04/2017	CAL WARN TRAINING	0.00	200.00	
010850	UNDERGROUND SERVICE ALERT	10/04/2017	Regular	0.00	386.20	59330
<u>920170333</u>	Invoice	10/04/2017	TICKET DELIVERY SERVICE - SEPT 17	0.00	386.20	
000247	UNITED STATES PLASTIC CORP	10/04/2017	Regular	0.00	139.01	59331
<u>5201290</u>	Invoice	10/04/2017	PUMPING PLANT SUPPLIES	0.00	139.01	
010990	UTILIQUEST L.L.C.	10/04/2017	Regular	0.00	2,408.04	59332
<u>252626-Q</u>	Invoice	10/04/2017	CONTRACT LOCATING EXPENSE	0.00	29.36	
<u>252873-Q</u>	Invoice	10/04/2017	CONTRACT LOCATING EXPENSE	0.00	407.32	
<u>253136-Q</u>	Invoice	10/04/2017	CONTRACT LOCATING EXPENSE	0.00	1,762.40	



\*Check Report JBWD

Date Range: 10/01/2017 - 10/31/2017

Vendor Number	Vendor DBA Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
<u>253383-Q</u>	Invoice	10/04/2017	CONTRACT LOCATING EXPENSE	0.00	142.08	
<u>253690-Q</u>	Invoice	10/04/2017	CONTRACT LOCATING EXPENSE	0.00	66.88	
011109	VALLEY INDEPENDENT PRINTING	10/04/2017	Regular	0.00	183.08	59333
<u>38503</u>	Invoice	10/04/2017	OFFICE SUPPLIES: DOOR HANGERS	0.00	183.08	
000233	NAPA AUTO PARTS	10/04/2017	Regular	0.00	85.12	59334
<u>212979</u>	Invoice	10/04/2017	SHOP EXPENSE	0.00	45.82	
<u>213615</u>	Invoice	10/04/2017	TOOL/EQUIP REPAIR SUPPLIES	0.00	39.30	
001630	AT&T MOBILITY	10/11/2017	Regular	0.00	1,253.59	59345
<u>829480028X1005</u>	Invoice	10/11/2017	COMMUNICATIONS - SEPT 17	0.00	1,253.59	
001555	CENTRATEL	10/11/2017	Regular	0.00	272.00	59346
<u>171003192101</u>	Invoice	10/11/2017	DISPATCH SERVICES - SEPT 17	0.00	272.00	
009054	KATHLEEN J. RADNICH	10/11/2017	Regular	0.00	1,477.70	59347
<u>171001-1</u>	Invoice	10/11/2017	PUBLIC RELATIONS SERVICES	0.00	684.60	
<u>171008-1</u>	Invoice	10/11/2017	PUBLIC RELATIONS SERVICES	0.00	793.10	
008150	PETTY CASH, JBWD	10/11/2017	Regular	0.00	287.72	59348
<u>PC100517</u>	Invoice	10/11/2017	PETTY CASH REIMBURSEMENT	0.00	287.72	
013196	TELEPACIFIC COMMUNICATIONS	10/11/2017	Regular	0.00	736.58	59349
<u>95370826-Q</u>	Invoice	10/11/2017	TELEPHONE (OFFICE) - OCT 17	0.00	736.58	
000504	ACTION PUMPING, INC.	10/18/2017	Regular	0.00	1,075.00	59350
<u>14198</u>	Invoice	10/18/2017	HDMC WW: PUMPING	0.00	1,075.00	
000501	ACWA/JPIA	10/18/2017	Regular	0.00	8,310.44	59351
<u>JPIA093017A</u>	Invoice	10/18/2017	WORKERS COMP JULY - SEPT 17	0.00	8,310.44	
000501	ACWA/JPIA	10/18/2017	Regular	0.00	17,118.31	59352
<u>0511212</u>	Invoice	10/18/2017	EE HEALTH BENEFIT & EAP NOV 17	0.00	17,118.31	
VEN01471	BESST, INC.	10/18/2017	Regular	0.00	24,980.00	59353
<u>JBWD092517</u>	Invoice	10/18/2017	WELL 14 PROFILING	0.00	24,980.00	
013338	BEVERLY WASZAK	10/18/2017	Regular	0.00	61.13	59354
<u>BW100617</u>	Invoice	10/18/2017	REIMB: OFFICE SUPPLIES	0.00	61.13	
001550	CDW GOVERNMENT, INC	10/18/2017	Regular	0.00	3,467.11	59355
<u>KKF1309</u>	Invoice	10/18/2017	OFFICE SUPPLIES	0.00	3,467.11	
013365	IMAGE SOURCE	10/18/2017	Regular	0.00	377.95	59356
<u>AR664881</u>	Invoice	10/18/2017	OFFICE EXPENSE 9/5/17 - 10/4/17	0.00	377.95	
013373	CORE & MAIN LP	10/18/2017	Regular	0.00	2,575.52	59357
<u>H817496</u>	Invoice	10/18/2017	INVENTORY	0.00	2,309.37	
<u>H895504</u>	Invoice	10/18/2017	INVENTORY	0.00	266.15	
002565	DUDEK AND ASSOCIATES, INC	10/18/2017	Regular	0.00	27,627.45	59358
<u>20171032</u>	Invoice	10/18/2017	ENG SERV: MULTIPLE PROJECTS	0.00	27,627.45	
003025	FEDEX	10/18/2017	Regular	0.00	675.58	59359
<u>5-960-53941</u>	Invoice	10/18/2017	SHIPPING	0.00	675.58	
000058	GARDA CL WEST, INC.	10/18/2017	Regular	0.00	619.46	59360
<u>10335044</u>	Invoice	10/18/2017	COURIER FEES - OCT 17	0.00	606.41	
<u>70064843</u>	Invoice	10/18/2017	EVENXCHANGE FEES - SEPT 17	0.00	13.05	
013374	HERCULES INDUSTRIES, INC.	10/18/2017	Regular	0.00	186.27	59361
<u>100056</u>	Invoice	10/18/2017	BUILDING MAINT. SUPPLIES: SHOP	0.00	186.27	
009054	KATHLEEN J. RADNICH	10/18/2017	Regular	0.00	1,143.98	59362
<u>171015-1</u>	Invoice	10/18/2017	PUBLIC RELATIONS SERVICES	0.00	1,143.98	

\*Check Report JBWD

Date Range: 10/01/2017 - 10/31/2017

Vendor Number	Vendor DBA Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
005640	KILLER BEE PEST CONTROL	10/18/2017	Regular	0.00	70.00	59363
<u>4296</u>	Invoice	10/18/2017	BEE REMOVAL	0.00	70.00	
000205	LORI G. HERBEL	10/18/2017	Regular	0.00	128.00	59364
<u>LH102017</u>	Invoice	10/18/2017	PUBLIC INFO/FARMER'S MARKET	0.00	128.00	
003505	GARRYS TIRES	10/18/2017	Regular	0.00	589.89	59365
<u>13977</u>	Invoice	10/18/2017	VEHICLE REPAIRS: V33	0.00	589.89	
006507	McMASTER-CARR SUPPLY COMPANY	10/18/2017	Regular	0.00	1,135.66	59366
<u>47521675</u>	Invoice	10/18/2017	PUMPING PLANT/SHOP EXPENSE/SMALL	0.00	1,135.66	
013356	BUILDER'S SUPPLY	10/18/2017	Regular	0.00	23.36	59367
<u>332096</u>	Invoice	10/18/2017	PUBLIC INFO SUPPLIES: WINTERIZING CLA	0.00	23.36	
000236	PAYPRO ADMINISTRATORS	10/18/2017	Regular	0.00	50.00	59368
<u>60523</u>	Invoice	10/18/2017	FSA ADMIN FEES - SEPT 17	0.00	50.00	
008405	PRECISION ASSEMBLY	10/18/2017	Regular	0.00	1,389.79	59369
<u>17762</u>	Invoice	10/18/2017	SEPT WATER BILL PRINT/MAIL	0.00	1,389.79	
013218	OFFICETEAM	10/18/2017	Regular	0.00	2,354.14	59370
<u>49313877</u>	Invoice	10/18/2017	TEMPORARY LABOR	0.00	835.34	
<u>49363808</u>	Invoice	10/18/2017	TEMPORARY LABOR	0.00	1,518.80	
008414	PROVIDEO	10/18/2017	Regular	0.00	150.00	59371
<u>1123</u>	Invoice	10/18/2017	VIDEO TAPING & YOU TUBE BD MEETING	0.00	150.00	
009880	SOUTHERN CALIFORNIA EDISON CO	10/18/2017	Regular	0.00	2,963.98	59372
<u>SCE1017</u>	Invoice	10/18/2017	POWER TO BLDGS & GEN - OCT 17	0.00	2,963.98	
013366	THE SOCO GROUP, INC.	10/18/2017	Regular	0.00	5,511.78	59373
<u>0446426-IN</u>	Invoice	10/18/2017	FUEL FOR VEHICLES	0.00	3,838.53	
<u>0446427-IN</u>	Invoice	10/18/2017	FUEL FOR VEHICLES	0.00	1,673.25	
010690	TYLER TECHNOLOGIES	10/18/2017	Regular	0.00	1,608.30	59374
<u>025-203127</u>	Invoice	10/18/2017	CALL NOTIFICATION FEES: JUL - SEPT	0.00	1,608.30	
010990	UTILIQUEST L.L.C.	10/18/2017	Regular	0.00	131.96	59375
<u>253988-Q</u>	Invoice	10/18/2017	CONTRACT LOCATING EXPENSE	0.00	131.96	
000327	WATER QUALITY SPECIALISTS	10/18/2017	Regular	0.00	13,533.30	59376
<u>5146</u>	Invoice	10/18/2017	HDMC WWTP: OPERATION, MAINT & REP	0.00	13,533.30	
013359	XEROX FINANCIAL SERVICES	10/18/2017	Regular	0.00	395.66	59377
<u>948127</u>	Invoice	10/18/2017	OFFICE EXPENSE 10/7/17 - 11/6/17	0.00	395.66	
000233	NAPA AUTO PARTS	10/18/2017	Regular	0.00	78.23	59378
<u>214763</u>	Invoice	10/18/2017	VEHICLE MAINTENANCE: V31 & V34	0.00	78.23	
000575	AFSCME LOCAL 1902	10/25/2017	Regular	0.00	585.20	59395
<u>AFSCME1017</u>	Invoice	10/25/2017	EE UNION DUES - OCT 17	0.00	585.20	
009054	KATHLEEN J. RADNICH	10/25/2017	Regular	0.00	789.60	59396
<u>171022-1</u>	Invoice	10/25/2017	PUBLIC RELATIONS SERVICES	0.00	789.60	
008201	PURCHASE POWER	10/25/2017	Regular	0.00	503.50	59397
<u>PB101217</u>	Invoice	10/25/2017	POSTAGE REFILL FOR METER	0.00	503.50	
000042	ROMAN, ANNE	10/25/2017	Regular	0.00	915.00	59398
<u>AR102417</u>	Invoice	10/25/2017	EDUCATION REIMBURSEMENT	0.00	915.00	
000510	TIME WARNER CABLE	10/25/2017	Regular	0.00	343.61	59399
<u>TW1017</u>	Invoice	10/25/2017	CABLE & INTERNET - OCT 17	0.00	343.61	
002420	DLT SOLUTIONS, INC	10/31/2017	Regular	0.00	1,336.12	59404

\*Check Report JBWD

Date Range: 10/01/2017 - 10/31/2017

Vendor Number	Vendor DBA Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
<u>SI370008</u>	Invoice	10/04/2017	2018 AUTOCAD SUBSCRIPT RENEWAL	0.00	1,336.12	
000236	PAYPRO ADMINISTRATORS	10/06/2017	Manual	0.00	449.97	900831
<u>PPE 9-29-17</u>	Invoice	10/06/2017	EE FSA DEDUCTIONS 10-06-17	0.00	449.97	
001517	CalPERS	10/06/2017	Manual	0.00	8,820.44	900832
<u>PPE 9-29-17</u>	Invoice	10/06/2017	PAY PERIOD ENDING 9/29/17	0.00	8,820.44	
000248	PAYCHEX	10/06/2017	Manual	0.00	328.90	900833
<u>308487</u>	Invoice	10/06/2017	PAYROLL PROCESSING FEE	0.00	328.90	
001004	BUSINESS CARD	10/12/2017	Manual	0.00	962.45	900834
<u>BA1017</u>	Invoice	10/12/2017	TELEPHONE (OFFICE)/WATER CONSERV/P	0.00	962.45	
001008	BUSINESS CARD	10/12/2017	Manual	0.00	1,069.80	900835
<u>BA1017</u>	Invoice	10/12/2017	PUMP PLANT/SMALL TOOLS/VACUUM/M	0.00	1,069.80	
001005	BANK OF AMERICA	10/12/2017	Manual	0.00	7,088.48	900836
<u>BA1017</u>	Invoice	10/12/2017	DIRECTOR, CAC & EE EDUCATION/OFFICE	0.00	7,088.48	
000248	PAYCHEX	10/13/2017	Manual	0.00	99.00	900837
<u>17081780</u>	Invoice	10/13/2017	TIME & LABOR ONLINE USAGE FEE	0.00	99.00	
VEN01533	PAYMENTUS GROUP INC.	10/16/2017	Manual	0.00	2,108.95	900838
<u>US17090161</u>	Invoice	10/16/2017	CREDIT CARD PROCESSING FEE - SEPT 17	0.00	2,108.95	
004195	HOME DEPOT CREDIT SERVICES	10/19/2017	Manual	0.00	1,504.72	900839
<u>HD1017</u>	Invoice	10/19/2017	SHOP EXPENSE/SMALL TOOLS/AUTO EXP	0.00	1,504.72	
000236	PAYPRO ADMINISTRATORS	10/20/2017	Manual	0.00	449.97	900840
<u>PPE 10-13-17</u>	Invoice	10/20/2017	EE FSA DEDUCTIONS 10-20-17	0.00	449.97	
000248	PAYCHEX	10/20/2017	Manual	0.00	340.30	900841
<u>309053</u>	Invoice	10/20/2017	PAYROLL PROCESSING FEE	0.00	340.30	
001517	CalPERS	10/20/2017	Manual	0.00	8,818.33	900842
<u>PPE 10-13-17</u>	Invoice	10/20/2017	PAY PERIOD ENDING 10/13/17	0.00	8,818.33	
000025	ICMA RC	10/31/2017	Manual	0.00	3,802.96	900843
<u>900843</u>	Invoice	10/31/2017	457 REMITTANCE - OCT 17	0.00	3,802.96	

Bank Code AP Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	102	78	0.00	288,466.43
Manual Checks	13	13	0.00	35,844.27
Voided Checks	0	1	0.00	-1,336.12
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
	<b>115</b>	<b>92</b>	<b>0.00</b>	<b>322,974.58</b>

**JOSHUA BASIN WATER DISTRICT  
UTILITY REFUND REGISTER**

<u>Account Number</u>	<u>Name</u>	<u>Date</u>	<u>Type</u>	<u>Amount</u>	<u>Reference</u>
05-00041-012	ZAMORA, EDUARDO	10/4/2017	Refund	51.45	Check #: 59335
05-00129-010	MCVAY, KEVIN M	10/4/2017	Refund	19.16	Check #: 59336
09-00034-008	SALAPARE, CAROLINE	10/4/2017	Refund	65.17	Check #: 59337
10-00317-007	THALLAS, ALEAH	10/4/2017	Refund	46.95	Check #: 59338
13-00349-014	PARRISH, ASHLEY M	10/4/2017	Refund	20.99	Check #: 59339
56-00052-003	FAINSTADT, JACK	10/4/2017	Refund	23.16	Check #: 59340
60-00120-002	SMITH, NOLA	10/4/2017	Refund	97.24	Check #: 59341
04-00085-004	CANTELO, MARA E	10/11/2017	Refund	51.67	Check #: 59342
11-00140-002	LAWLESS, BENJAMIN	10/11/2017	Refund	61.13	Check #: 59343
55-00080-022	MALDONADO, ALBERTO JR	10/11/2017	Refund	1.00	Check #: 59344
04-00132-000	MORRIS, GEORGE	10/18/2017	Refund	8.58	Check #: 59383
10-00247-014	HERNANDEZ, NURIAN N	10/18/2017	Refund	47.99	Check #: 59380
10-00317-008	PRESTIGE PROPERTIES	10/18/2017	Refund	84.53	Check #: 59381
12-00015-003	HUGHES, BRENDAN J	10/18/2017	Refund	57.56	Check #: 59384
12-00362-011	HOWELL, KYLIE	10/18/2017	Refund	64.36	Check #: 59379
13-00244-012	HEINTZ, JAMES	10/18/2017	Refund	37.78	Check #: 59385
50-00082-004	JOHNSON, JOSEPH W	10/18/2017	Refund	65.29	Check #: 59386
51-00068-001	POST OFFICE U.S.	10/18/2017	Refund	83.47	Check #: 59387
53-00118-011	ABDALLAH, MAISSON S	10/18/2017	Refund	44.09	Check #: 59382
55-00176-010	AFFORDABLE RENTALS	10/18/2017	Refund	48.23	Check #: 59388
56-00017-012	CORPORATION, HIGHLAND SERVICE	10/18/2017	Refund	28.78	Check #: 59389
62-00184-002	ROSE, CRAIG	10/18/2017	Refund	74.22	Check #: 59390
63-00039-017	POWER, GEORGE E	10/18/2017	Refund	0.23	Check #: 59391
64-99233-000	CMC SPORTS COMPLEX	10/18/2017	Refund	20.00	Check #: 59392
65-00043-006	DESTEFANO, CECEL M	10/18/2017	Refund	48.39	Check #: 59393
65-00585-001	DANA DESSELLE 401 K TRUST	10/18/2017	Refund	18.19	Check #: 59394
03-00205-002	LAMONICA, LILLIAN	10/25/2017	Refund	78.51	Check #: 59400
12-00298-010	ELAM, KELLY L	10/25/2017	Refund	2.81	Check #: 59401
63-00137-005	LEVIN, CHARLYN	10/25/2017	Refund	143.75	Check #: 59402
65-00622-000	VALENTINE, GENE	10/25/2017	Refund	17.18	Check #: 59403
				<b><u>1,411.86</u></b>	

**JOSHUA BASIN WATER DISTRICT****OCTOBER 2017****DIRECTOR PAY****PAY PERIODS: 9/16/2017 - 10/13/2017**

<b>Director</b>	<b>Date</b>	<b>Type</b>	<b>Amount</b>	<b>Notes</b>
THOMAS FLOEN	09/25/2017	UNPAID DIRECTOR	0.00	FINANCE COMMITTEE MEETING
THOMAS FLOEN	10/04/2017	Director Pay	<u>173.63</u>	JBWD BOARD MEETING
			<u>173.63</u>	
GEARY HUND	10/04/2017	Director Pay	<u>173.63</u>	JBWD BOARD MEETING
			<u>173.63</u>	
ROBERT JOHNSON	09/25/2017	Director Pay	173.63	FINANCE COMMITTEE MEETING
ROBERT JOHNSON	10/04/2017	Director Pay	<u>173.63</u>	JBWD BOARD MEETING
			<u>347.26</u>	
MICKEY C LUCKMAN	09/25/2017	Director Pay	173.63	FINANCE COMMITTEE MEETING
MICKEY C LUCKMAN	10/04/2017	Director Pay	<u>173.63</u>	JBWD BOARD MEETING
			<u>347.26</u>	
REBECCA UNGER	10/04/2017	Director Pay	<u>173.63</u>	JBWD BOARD MEETING
			<u>173.63</u>	
		<b>TOTAL</b>	<u><u>1,215.41</u></u>	



# \*Check Report JBWD

By Check Number

Date Range: 11/01/2017 - 11/30/2017

Vendor Number Payable #	Vendor DBA Name Payable Type	Payment Date Payable Date	Payment Type Payable Description	Discount Amount Discount Amount	Payment Amount Payable Amount	Number
<b>Bank Code: AP-AP Cash</b>						
000675 <u>0067154-IN</u>	AQUA-METRIC SALES COMPANY Invoice	11/01/2017 11/01/2017	Regular INVENTORY	0.00 0.00	5,657.04 5,657.04	59405
VEN01471 <u>JBWD092617</u>	BESST, INC. Invoice	11/01/2017 11/01/2017	Regular WELL 14 PROFILING	0.00 0.00	7,500.00 7,500.00	59406
013338 <u>BW102617</u>	BEVERLY WASZAK Invoice	11/01/2017 11/01/2017	Regular REIMB: MILEAGE	0.00 0.00	134.93 134.93	59407
004110 <u>BW1117</u> <u>BW1117B</u> <u>BW1117C</u>	BURRTEC WASTE & RECYCLING SVCS Invoice Invoice Invoice	11/01/2017 11/01/2017 11/01/2017 11/01/2017	Regular RECYCLING - NOV 17 TRASH REMOVAL - NOV 17 TRASH REMOVAL - NOV 17	0.00 0.00 0.00 0.00	418.29 60.41 270.90 86.98	59408
013780 <u>CGB110117</u>	CLAY GIBERT TRENCHING Invoice	11/01/2017 11/01/2017	Regular WARRANTY DEPOSIT REFUND: MAINLINE	0.00 0.00	4,950.00 4,950.00	59409
001850 <u>958965</u> <u>958966</u>	CLINICAL LAB OF S.B. INC Invoice Invoice	11/01/2017 11/01/2017 11/01/2017	Regular SAMPLING - SEPT 17 HDMC WWTP SAMPLING- SEPT 17	0.00 0.00 0.00	3,999.00 2,846.00 1,153.00	59410
002565 <u>20175264</u> <u>20175713</u>	DUDEK AND ASSOCIATES, INC Invoice Invoice	11/01/2017 11/01/2017 11/01/2017	Regular ENG SERV: MULTIPLE PROJECTS ENG SERV: MULTIPLE PROJECTS	0.00 0.00 0.00	41,768.83 15,445.00 26,323.83	59411
013781 <u>51214</u> <u>51670</u>	EISENHOWER OCCUPATIONAL HEALTH SERVICI Invoice Invoice	11/01/2017 11/01/2017 11/01/2017	Regular WORKERS COMP EE EVALUATION WORKERS COMP EE EVALUATION	0.00 0.00 0.00	450.00 245.00 205.00	59412
000058 <u>10344082</u>	GARDA CL WEST, INC. Invoice	11/01/2017 11/01/2017	Regular COURIER FEES - NOV 17	0.00 0.00	606.41 606.41	59413
006200 <u>6217B</u>	MCALLISTERS JANITORIAL SERV. Invoice	11/01/2017 11/01/2017	Regular JANITORIAL SERVICES - OCT 17	0.00 0.00	580.00 580.00	59414
004720 <u>S1004531.001</u> <u>S1004531.002</u> <u>S1004531.003</u> <u>S1004531.004</u> <u>S1004785.001</u>	INLAND WATER WORKS Invoice Invoice Invoice Invoice Invoice	11/01/2017 11/01/2017 11/01/2017 11/01/2017 11/01/2017	Regular INVENTORY METER REPAIR SUPPLIES MAINLINE & LEAK REPAIR SUPPLIES MAINLINE & LEAK REPAIR SUPPLIES PUMPING PLANT SUPPLIES	0.00 0.00 0.00 0.00 0.00	12,906.31 9,639.32 2,165.78 183.18 228.43 689.60	59415
013197 <u>101669</u>	INTER VALLEY POOL SUPPLY, INC. Invoice	11/01/2017 11/01/2017	Regular WATER TREATMENT EXPENSE	0.00 0.00	417.20 417.20	59416
009054 <u>171029-1</u>	KATHLEEN J. RADNICH Invoice	11/01/2017 11/01/2017	Regular PUBLIC RELATIONS SERVICES	0.00 0.00	693.00 693.00	59417
000134 <u>115877</u>	KENNEDY/JENKS CONSULTANTS, INC. Invoice	11/01/2017 11/01/2017	Regular CONSULTING: MULTIPLE PROJECTS	0.00 0.00	337.50 337.50	59418
005640 <u>4303</u> <u>4304</u>	KILLER BEE PEST CONTROL Invoice Invoice	11/01/2017 11/01/2017 11/01/2017	Regular BEE REMOVAL BEE REMOVAL	0.00 0.00 0.00	140.00 70.00 70.00	59419
006029 <u>1447798</u>	LIEBERT CASSIDY WHITMORE Invoice	11/01/2017 11/01/2017	Regular LEGAL SERVICES - SEPT 17	0.00 0.00	210.00 210.00	59420

Vendor Number	Vendor DBA Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
006810	MOJAVE DESERT AQMD	11/01/2017	Regular	0.00	1,201.76	59421
<u>MD8179</u>	Invoice	11/01/2017	PERMIT FEE - PARK BLVD	0.00	296.96	
<u>MD8180</u>	Invoice	11/01/2017	PERMIT RENEWAL FEES - VARIOUS LOCAT	0.00	603.20	
<u>MD8181</u>	Invoice	11/01/2017	PERMIT RENEWAL FEE - CHOLLITA	0.00	301.60	
008415	PRUDENTIAL OVERALL SUPPLY	11/01/2017	Regular	0.00	184.06	59422
<u>22499535</u>	Invoice	11/01/2017	SHOP EXPENSE	0.00	41.83	
<u>22499537</u>	Invoice	11/01/2017	SHOP EXPENSE	0.00	50.20	
<u>22506790</u>	Invoice	11/01/2017	SHOP EXPENSE	0.00	41.83	
<u>22506797</u>	Invoice	11/01/2017	SHOP EXPENSE	0.00	50.20	
013361	QUINN COMPANY	11/01/2017	Regular	0.00	2,745.49	59423
<u>WOG00000830</u>	Invoice	11/01/2017	HDMC WWTP: GENERATOR REPAIR	0.00	1,154.00	
<u>WOG00000831</u>	Invoice	11/01/2017	HDMC WWTP: GENERATOR REPAIRS	0.00	800.00	
<u>WOG00000832</u>	Invoice	11/01/2017	HDMC WWTP: GENERATOR REPAIR	0.00	791.49	
013218	OFFICETEAM	11/01/2017	Regular	0.00	3,037.60	59424
<u>49414366</u>	Invoice	11/01/2017	TEMPORARY LABOR	0.00	1,518.80	
<u>49462012</u>	Invoice	11/01/2017	TEMPORARY LABOR	0.00	1,518.80	
001912	SAN BERNARDINO COUNTY FIRE PROTECTION I	11/01/2017	Regular	0.00	1,023.00	59425
<u>IN0125215</u>	Invoice	11/01/2017	HAZMAT CUPA PERMIT TO 11/30/18	0.00	1,023.00	
000089	SEMS TECHNOLOGIES, LLC	11/01/2017	Regular	0.00	10,390.00	59426
<u>A-6100</u>	Invoice	11/01/2017	SEMS 12 MONTH SOFTWARE & MOBILE A	0.00	10,390.00	
009878	SOUTHERN CALIFORNIA EDISON	11/01/2017	Regular	0.00	28,299.21	59427
<u>SCE1017</u>	Invoice	11/01/2017	POWER FOR PUMPING - OCT 17	0.00	28,299.21	
009920	STANDARD INSURANCE CO	11/01/2017	Regular	0.00	905.89	59428
<u>ST1117</u>	Invoice	11/01/2017	EE LIFE INSURANCE - NOV 17	0.00	905.89	
011101	VAGABOND WELDING SUPPLY	11/01/2017	Regular	0.00	480.44	59429
<u>103077</u>	Invoice	11/01/2017	SMALL TOOLS - PRODUCTION	0.00	480.44	
009898	SOCALGAS	11/01/2017	Regular	0.00	41.04	59430
<u>GAS0817</u>	Invoice	11/01/2017	HEAT FOR SHOP - SEPT 17	0.00	41.04	
013216	TIMOTHY ROBERT PINAR	11/01/2017	Regular	0.00	465.00	59431
<u>IP110117</u>	Invoice	11/01/2017	OFFICE REMODEL CONSULTING FEE	0.00	465.00	
010850	UNDERGROUND SERVICE ALERT	11/01/2017	Regular	0.00	394.45	59432
<u>1020170336</u>	Invoice	11/01/2017	TICKET DELIVERY SERVICE - OCT 17	0.00	394.45	
010990	UTILIQUEST L.L.C.	11/01/2017	Regular	0.00	584.52	59433
<u>254257-Q</u>	Invoice	11/01/2017	CONTRACT LOCATING EXPENSE	0.00	457.12	
<u>254508-Q</u>	Invoice	11/01/2017	CONTRACT LOCATING EXPENSE	0.00	127.40	
013203	WATER SYSTEMS ENGINEERING, INC.	11/01/2017	Regular	0.00	7,125.00	59434
<u>26322</u>	Invoice	11/01/2017	WELL 14 REHAB CONSULTING	0.00	1,260.00	
<u>26323</u>	Invoice	11/01/2017	WELL 14 REHAB CONSULTING	0.00	1,260.00	
<u>26324</u>	Invoice	11/01/2017	WELL 14 REHAB CONSULTING	0.00	2,520.00	
<u>26325</u>	Invoice	11/01/2017	WELL 14 REHAB CONSULTING	0.00	2,085.00	
000233	NAPA AUTO PARTS	11/01/2017	Regular	0.00	505.71	59435
<u>216178</u>	Invoice	11/01/2017	VEHICLE MAINTENANCE: V31 & V32	0.00	136.84	
<u>217335</u>	Invoice	11/01/2017	SMALL TOOLS - DISTRIBUTION	0.00	199.62	
<u>217975</u>	Invoice	11/01/2017	VACUUM MAINTENANCE	0.00	169.25	
013782	RENE'S AQUATICS	11/15/2017	Regular	0.00	765.00	59440
<u>RA110717</u>	Invoice	11/15/2017	CPR/FA/AED TRAINING	0.00	765.00	
000501	ACWA/JPIA	11/15/2017	Regular	0.00	17,118.31	59449
<u>0516765</u>	Invoice	11/15/2017	EE HEALTH BENEFIT & EAP DEC 17	0.00	17,118.31	

\*Check Report JBWD

Date Range: 11/01/2017 - 11/30/2017

Vendor Number	Vendor DBA Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
000575	AFSCME LOCAL 1902	11/15/2017	Regular	0.00	585.63	59450
<u>AFSCME1117</u>	Invoice	11/15/2017	EE UNION DUES - NOV 17	0.00	585.63	
001630	AT&T MOBILITY	11/15/2017	Regular	0.00	1,256.01	59451
<u>829480028X1105</u>	Invoice	11/15/2017	COMMUNICATIONS - OCT 17	0.00	1,256.01	
001555	CENTRA TEL	11/15/2017	Regular	0.00	262.46	59452
<u>171103192101</u>	Invoice	11/15/2017	DISPATCH SERVICES - OCT 17	0.00	262.46	
000237	COLONIAL LIFE & ACCIDENT INSURANCE CO, IN	11/15/2017	Regular	0.00	2,276.20	59453
<u>3990561-100519</u>	Invoice	11/15/2017	EE LIFE INSURANCE - OCT 17	0.00	2,276.20	
013365	IMAGE SOURCE	11/15/2017	Regular	0.00	483.77	59454
<u>AR677391</u>	Invoice	11/15/2017	OFFICE EXPENSE 10/5/17 - 11/4/17	0.00	483.77	
000048	DANIEL BOCK	11/15/2017	Regular	0.00	176.28	59455
<u>DB110617</u>	Invoice	11/15/2017	REIMB: SAFETY BOOTS	0.00	176.28	
001461	BOLLINGER CONSULTING GROUP	11/15/2017	Regular	0.00	1,287.50	59456
<u>760</u>	Invoice	11/15/2017	WATER CONSERVATION - OCT 17	0.00	1,287.50	
VEN01466	FEDAK & BROWN LLP	11/15/2017	Regular	0.00	2,000.00	59457
<u>FB103117</u>	Invoice	11/15/2017	FINANCIAL AUDIT 16/17	0.00	2,000.00	
003025	FEDEX	11/15/2017	Regular	0.00	22.88	59458
<u>5-989-90243</u>	Invoice	11/15/2017	SHIPPING	0.00	22.88	
013222	FRONTIER CALIFORNIA INC.	11/15/2017	Regular	0.00	179.32	59459
<u>FC1117</u>	Invoice	11/15/2017	HDMC WWTP - TELEPHONE	0.00	179.32	
013776	GOLDEN METERS SERVICE INC	11/15/2017	Regular	0.00	1,370.00	59460
<u>1002</u>	Invoice	11/15/2017	PUMPING PLANT MAINTENANCE	0.00	1,370.00	
013351	HELENITA C. YOUNGLOVE	11/15/2017	Regular	0.00	135.00	59461
<u>160</u>	Invoice	11/15/2017	NOTARY SERVICES	0.00	135.00	
004720	INLAND WATER WORKS	11/15/2017	Regular	0.00	27,583.29	59462
<u>51002515.004</u>	Invoice	11/15/2017	MAINLINE & LEAK REPAIR SUPPLIES & INV	0.00	35,846.87	
<u>51004785.002</u>	Invoice	11/15/2017	PUMPING PLANT SUPPLIES	0.00	862.00	
<u>51005200.001</u>	Credit Memo	11/15/2017	MAINLINE & LEAK REPAIR SUPPLIES	0.00	-9,125.58	
009054	KATHLEEN J. RADNICH	11/15/2017	Regular	0.00	1,626.84	59463
<u>171105-1</u>	Invoice	11/15/2017	PUBLIC RELATIONS SERVICES	0.00	799.44	
<u>171112-1</u>	Invoice	11/15/2017	PUBLIC RELATIONS SERVICES	0.00	827.40	
005640	KILLER BEE PEST CONTROL	11/15/2017	Regular	0.00	70.00	59464
<u>4340</u>	Invoice	11/15/2017	BEE REMOVAL	0.00	70.00	
003505	GARRYS TIRES	11/15/2017	Regular	0.00	20.00	59465
<u>14043</u>	Invoice	11/15/2017	VACUUM REPAIRS: E72	0.00	20.00	
013783	MERRILEE MCLAIN	11/15/2017	Regular	0.00	30.85	59466
<u>MM110317</u>	Invoice	11/15/2017	REFUND UTILITY OVERPAYMENT	0.00	30.85	
006800	MOJAVE WATER AGENCY	11/15/2017	Regular	0.00	234.90	59467
<u>INVO2351</u>	Invoice	11/15/2017	2018 AWAC CALENDARS	0.00	234.90	
000070	ONLINE INFORMATION SERVICES, INC.	11/15/2017	Regular	0.00	283.55	59468
<u>820365</u>	Invoice	11/15/2017	ID VERIF. SERV. THRU 10/31/17	0.00	283.55	
013356	BUILDER'S SUPPLY	11/15/2017	Regular	0.00	1.95	59469
<u>254614</u>	Invoice	11/15/2017	PUBLIC INFO SUPPLIES: WINTERIZING CLA	0.00	1.95	
000236	PAYPRO ADMINISTRATORS	11/15/2017	Regular	0.00	50.00	59470
<u>60878</u>	Invoice	11/15/2017	FSA ADMIN FEES - OCT 17	0.00	50.00	
008300	POSTMASTER	11/15/2017	Regular	0.00	4,000.00	59471



\*Check Report JBWD

Date Range: 11/01/2017 - 11/30/2017

Vendor Number	Vendor DBA Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
<u>SD111517</u>	Invoice	11/15/2017	POSTAGE FOR WATER BILLING	0.00	4,000.00	
008405	PRECISION ASSEMBLY	11/15/2017	Regular	0.00	1,387.20	59472
<u>17797</u>	Invoice	11/15/2017	OCT WATER BILL PRINT/MAIL	0.00	1,387.20	
008415	PRUDENTIAL OVERALL SUPPLY	11/15/2017	Regular	0.00	92.03	59473
<u>22513947</u>	Invoice	11/15/2017	SHOP EXPENSE	0.00	41.83	
<u>22513949</u>	Invoice	11/15/2017	SHOP EXPENSE	0.00	50.20	
013779	PSC	11/15/2017	Regular	0.00	825.00	59474
<u>73984</u>	Invoice	11/15/2017	ARC FLASH TRAINING	0.00	825.00	
006030	RANDY LITTLE	11/15/2017	Regular	0.00	50.16	59475
<u>RL110817</u>	Invoice	11/15/2017	REIMB: MEALS/MILEAGE: ARC FLASH TRA	0.00	50.16	
013360	REDWINE AND SHERRILL, LLP	11/15/2017	Regular	0.00	4,309.00	59476
<u>1042</u>	Invoice	11/15/2017	LEGAL SERVICES - OCT 17	0.00	4,309.00	
013218	OFFICETEAM	11/15/2017	Regular	0.00	1,518.80	59477
<u>49514291</u>	Invoice	11/15/2017	TEMPORARY LABOR	0.00	1,518.80	
008414	PROVIDEO	11/15/2017	Regular	0.00	300.00	59478
<u>1130</u>	Invoice	11/15/2017	VIDEO TAPING & YOU TUBE BD MEETING	0.00	300.00	
000091	SAN BERNARDINO COUNTY RECORDER	11/15/2017	Regular	0.00	42.00	59479
<u>SB111317</u>	Invoice	11/15/2017	RELEASE OF LIENS	0.00	42.00	
013228	SARAH J. JOHNSON	11/15/2017	Regular	0.00	100.44	59480
<u>SJ100817</u>	Invoice	11/15/2017	REIMB: MILES & PELICAN DINNER	0.00	100.44	
004201	SCOTT HUDSON	11/15/2017	Regular	0.00	673.03	59481
<u>SH110117</u>	Invoice	11/15/2017	REIMB: MILES: JUL - OCT 17	0.00	673.03	
VEN01020	SOUTHWEST NETWORKS, INC.	11/15/2017	Regular	0.00	1,594.70	59482
<u>17-10533</u>	Invoice	11/15/2017	OFFICE SUPPLIES	0.00	1,594.70	
013196	TELEPACIFIC COMMUNICATIONS	11/15/2017	Regular	0.00	737.13	59483
<u>96434407-0</u>	Invoice	11/15/2017	TELEPHONE (OFFICE) - NOV 17	0.00	737.13	
000023	ULTIMATE MOTORS, INC.	11/15/2017	Regular	0.00	820.05	59484
<u>26607</u>	Invoice	11/15/2017	VEHICLE REPAIRS: V24	0.00	820.05	
010990	UTILIQUEST L.L.C.	11/15/2017	Regular	0.00	328.52	59485
<u>254760-Q</u>	Invoice	11/15/2017	CONTRACT LOCATING EXPENSE	0.00	110.92	
<u>255048-Q</u>	Invoice	11/15/2017	CONTRACT LOCATING EXPENSE	0.00	119.24	
<u>255355-Q</u>	Invoice	11/15/2017	CONTRACT LOCATING EXPENSE	0.00	98.36	
000327	WATER QUALITY SPECIALISTS	11/15/2017	Regular	0.00	3,310.00	59486
<u>5181</u>	Invoice	11/15/2017	HDMC WWTP: OPERATION & MAINT - OC	0.00	3,310.00	
011615	WESTERN EXTERMINATOR CO.	11/15/2017	Regular	0.00	32.00	59487
<u>WE103117</u>	Invoice	11/15/2017	PEST CONTROL SERVICES - SHOP	0.00	32.00	
013359	XEROX FINANCIAL SERVICES	11/15/2017	Regular	0.00	395.66	59488
<u>974706</u>	Invoice	11/15/2017	OFFICE EXPENSE 11/7/17 - 12/6/17	0.00	395.66	
000233	NAPA AUTO PARTS	11/15/2017	Regular	0.00	75.34	59489
<u>218174</u>	Invoice	11/15/2017	TOOL/EQUIP REPAIR SUPPLIES	0.00	75.34	
VEN01090	ASBURY ENVIRONMENTAL SERVICES	11/28/2017	Regular	0.00	120.00	59490
<u>I500-00232710</u>	Invoice	11/28/2017	HAZARDOUS WASTE DISPOSAL	0.00	120.00	
000237	COLONIAL LIFE & ACCIDENT INSURANCE CO, IN	11/28/2017	Regular	0.00	2,276.20	59491
<u>3990561-110520</u>	Invoice	11/28/2017	EE LIFE INSURANCE - NOV 17	0.00	2,276.20	
000058	GARDA CL WEST, INC.	11/28/2017	Regular	0.00	11.55	59492

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Date Range: 11/01/2017 - 11/30/2017

Vendor Number	Vendor DBA Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
<u>70066259</u>	Invoice	11/28/2017	EVENXCHANGE FEES - OCT 17	0.00	11.55	
013784	JULIAN BEHAR	11/28/2017	Regular	0.00	55.00	59493
<u>JB112717</u>	Invoice	11/28/2017	FIRE FLOW REFUND	0.00	55.00	
009054	KATHLEEN J. RADNICH	11/28/2017	Regular	0.00	1,471.70	59494
<u>171119-1</u>	Invoice	11/28/2017	PUBLIC RELATIONS SERVICES	0.00	971.90	
<u>171126-1</u>	Invoice	11/28/2017	PUBLIC RELATIONS SERVICES	0.00	499.80	
006507	McMASTER-CARR SUPPLY COMPANY	11/28/2017	Regular	0.00	1,773.03	59495
<u>48456582</u>	Invoice	11/28/2017	SMALL TOOLS- PROD/SHOP EXPENSE	0.00	1,773.03	
006150	RANDY MAYES	11/28/2017	Regular	0.00	161.89	59496
<u>RM111717</u>	Invoice	11/28/2017	REIMB: MILES	0.00	161.89	
009065	RDO EQUIPMENT COMPANY	11/28/2017	Regular	0.00	18,391.85	59497
<u>E03081</u>	Invoice	11/28/2017	DITCHWITCH TRENCHER	0.00	18,391.85	
013218	OFFICETEAM	11/28/2017	Regular	0.00	2,733.84	59498
<u>49614411</u>	Invoice	11/28/2017	TEMPORARY LABOR	0.00	1,366.92	
<u>49664597</u>	Invoice	11/28/2017	TEMPORARY LABOR	0.00	1,366.92	
009898	SOCALGAS	11/28/2017	Regular	0.00	81.96	59499
<u>GAS1117</u>	Invoice	11/28/2017	HEAT FOR SHOP - OCT/NOV 17	0.00	81.96	
009880	SOUTHERN CALIFORNIA EDISON CO	11/28/2017	Regular	0.00	2,330.12	59500
<u>SCE1117</u>	Invoice	11/28/2017	POWER TO BLDGS & GEN - NOV 17	0.00	2,330.12	
000510	TIME WARNER CABLE	11/28/2017	Regular	0.00	343.61	59501
<u>TW1117</u>	Invoice	11/28/2017	CABLE & INTERNET - NOV 17	0.00	343.61	
000233	NAPA AUTO PARTS	11/28/2017	Regular	0.00	474.68	59502
<u>217886</u>	Invoice	11/28/2017	VEHICLE & VACUUM MAINTENANCE	0.00	474.68	
000236	PAYPRO ADMINISTRATORS	11/02/2017	Manual	0.00	449.97	900844
<u>PPE 10-27-17</u>	Invoice	11/02/2017	EE FSA DEDUCTIONS 11-03-17	0.00	449.97	
001517	CalPERS	11/03/2017	Manual	0.00	8,827.23	900845
<u>PPE 10-27-17</u>	Invoice	11/03/2017	PAY PERIOD ENDING 10/27/17	0.00	8,827.23	
000248	PAYCHEX	11/03/2017	Manual	0.00	340.30	900846
<u>309634</u>	Invoice	11/03/2017	PAYROLL PROCESSING FEE	0.00	340.30	
000248	PAYCHEX	11/10/2017	Manual	0.00	99.00	900847
<u>17223252</u>	Invoice	11/10/2017	TIME & LABOR ONLINE USAGE FEE	0.00	99.00	
VEN01533	PAYMENTUS GROUP INC.	11/15/2017	Manual	0.00	2,091.55	900848
<u>US17100185</u>	Invoice	11/15/2017	CREDIT CARD PROCESSING FEE - OCT 17	0.00	2,091.55	
000236	PAYPRO ADMINISTRATORS	11/17/2017	Manual	0.00	449.97	900849
<u>PPE 11-10-17</u>	Invoice	11/17/2017	EE FSA DEDUCTIONS 11-17-17	0.00	449.97	
001517	CalPERS	11/17/2017	Manual	0.00	8,833.49	900850
<u>PPE 11-10-17</u>	Invoice	11/17/2017	PAY PERIOD ENDING 11/10/17	0.00	8,833.49	
000248	PAYCHEX	11/17/2017	Manual	0.00	340.30	900851
<u>310247</u>	Invoice	11/17/2017	PAYROLL PROCESSING FEE	0.00	340.30	
004195	HOME DEPOT CREDIT SERVICES	11/17/2017	Manual	0.00	1,373.47	900852
<u>HD1117</u>	Invoice	11/17/2017	MAINLINE/LEAK SUPPLIES/SAFETY/SHOP	0.00	1,373.47	
001005	BANK OF AMERICA	11/17/2017	Manual	0.00	657.79	900853
<u>BA1117</u>	Invoice	11/17/2017	OFFICE SUPPLIES	0.00	657.79	
001004	BUSINESS CARD	11/17/2017	Manual	0.00	3,282.93	900854
<u>BA1117</u>	Invoice	11/17/2017	EE RECRUITMENT/EE TRAINING/TELEPHO	0.00	3,282.93	

\*Check Report JBWD

Date Range: 11/01/2017 - 11/30/2017

Vendor Number	Vendor DBA Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
001008	BUSINESS CARD	11/17/2017	Manual	0.00	8,653.70	900855
<u>BA1117</u>	Invoice	11/17/2017	SMALL TOOLS - DIST/UNIFORMS/PUMPIN	0.00	8,653.70	
000236	PAYPRO ADMINISTRATORS	11/30/2017	Manual	0.00	449.97	900856
<u>PPE 11-24-17</u>	Invoice	11/30/2017	EE FSA DEDUCTIONS 12-1-17	0.00	449.97	
000025	ICMA RC	11/30/2017	Manual	0.00	3,802.96	900857
<u>900857</u>	Invoice	11/30/2017	457 REMITTANCE - NOV 17	0.00	3,802.96	

Bank Code AP Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	118	86	0.00	246,787.91
Manual Checks	14	14	0.00	39,652.63
Voided Checks	0	0	0.00	0.00
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
	<b>132</b>	<b>100</b>	<b>0.00</b>	<b>286,440.54</b>

**JOSHUA BASIN WATER DISTRICT  
UTILITY REFUND REGISTER**

<u>Account Number</u>	<u>Name</u>	<u>Date</u>	<u>Type</u>	<u>Amount</u>	<u>Reference</u>
62-00125-011	GOFF, DAVID J	11/1/2017	Refund	31.60	Check #: 59436
03-00400-008	BRADLEY, WILLIAM & AMANDA	11/1/2017	Refund	6.48	Check #: 59437
10-00475-000	CRAIG, MARLENE & JAMES	11/1/2017	Refund	46.40	Check #: 59438
65-00380-002	VILLARREAL, ABEL	11/1/2017	Refund	1,904.73	Check #: 59439
03-00262-003	REYNOLDS FAMILY TRUST	11/15/2017	Refund	161.54	Check #: 59441
06-00090-006	LAFLIN, JASON S	11/15/2017	Refund	24.06	Check #: 59442
13-00350-014	PLETCHER, JEREMY	11/15/2017	Refund	20.61	Check #: 59443
50-00095-012	AZALEA GARDENS G P	11/15/2017	Refund	22.66	Check #: 59444
59-00001-002	TALBOT, JEANNE D	11/15/2017	Refund	166.46	Check #: 59445
62-00166-012	GRANT, ANTULIO X	11/15/2017	Refund	48.44	Check #: 59446
62-00160-013	GALLARDO, DAISY	11/15/2017	Refund	121.29	Check #: 59447
14-00180-011	LIGMAN, JOHN	11/15/2017	Refund	32.35	Check #: 59448
08-00148-009	OWENS, HILLARY O	11/28/2017	Refund	59.29	Check #: 59503
63-00150-011	WRIGHT, LEON O	11/28/2017	Refund	57.91	Check #: 59504
65-00494-000	GARRISON, TIMOTHY	11/28/2017	Refund	72.74	Check #: 59505
07-00119-005	EARLY, DUKE L	11/28/2017	Refund	100.00	Check #: 59506
				<u>2,876.56</u>	

**JOSHUA BASIN WATER DISTRICT****NOVEMBER 2017****DIRECTOR PAY****PAY PERIODS: 9/16/2017 - 10/13/2017**

<b>Director</b>	<b>Date</b>	<b>Type</b>	<b>Amount</b>	<b>Notes</b>
THOMAS FLOEN	10/18/2017	Director Pay	173.63	JBWD BOARD MEETING
THOMAS FLOEN	10/30/2017	UNPAID DIRECTOR	0.00	FINANCE & WATER RESOURCES OPS COMMITTEE MEETINGS
THOMAS FLOEN	11/01/2017	Director Pay	173.63	JBWD BOARD MEETING
			<u>347.26</u>	
GEARY HUND	10/18/2017	Director Pay	173.63	JBWD BOARD MEETING
GEARY HUND	11/01/2017	Director Pay	173.63	JBWD BOARD MEETING
			<u>347.26</u>	
ROBERT JOHNSON	10/18/2017	Director Pay	173.63	JBWD BOARD MEETING
ROBERT JOHNSON	10/30/2017	Director Pay	173.63	FINANCE & WATER RESOURCES OPS COMMITTEE MEETINGS
ROBERT JOHNSON	11/01/2017	Director Pay	173.63	JBWD BOARD MEETING
			<u>520.89</u>	
MICKEY C LUCKMAN	10/18/2017	Director Pay	173.63	JBWD BOARD MEETING
MICKEY C LUCKMAN	11/01/2017	Director Pay	173.63	JBWD BOARD MEETING
			<u>347.26</u>	
REBECCA UNGER	10/18/2017	Director Pay	173.63	JBWD BOARD MEETING
REBECCA UNGER	11/01/2017	Director Pay	173.63	JBWD BOARD MEETING
			<u>347.26</u>	
		<b>TOTAL</b>	<u><b>1,909.93</b></u>	



Salary schedule approved by Resolution 17-973 and 17-714 and by 8000 supplemental on May 21, 2017  
 SALARY SCHEDULE EFFECTIVE DATE: January 1, 2018  
 COLA APRIL 12, 2018

REGULAR MEETING DATE: February 1, 2018

REGULAR MEETING DATE: February 1, 2018

RANGE	JOB DESCRIPTION	CLASS	MONTHLY		ANNUALITY												HOURLY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			MIN	MAX	MIN	MAX	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5	STEP 6	STEP 7	STEP 8	STEP 9	STEP 10	STEP 11	STEP 12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
1			\$2,425.49	\$3,182.45	\$38,789.80	\$48,398.43	\$3,193.3	\$4,243.3	\$5,293.3	\$6,343.3	\$7,393.3	\$8,443.3	\$9,493.3	\$10,543.3	\$11,593.3	\$12,643.3	\$13,693.3	\$14,743.3	\$15,793.3	\$16,843.3	\$17,893.3	\$18,943.3	\$19,993.3	\$21,043.3	\$22,093.3	\$23,143.3	\$24,193.3	\$25,243.3	\$26,293.3	\$27,343.3	\$28,393.3	\$29,443.3	\$30,493.3	\$31,543.3	\$32,593.3	\$33,643.3	\$34,693.3	\$35,743.3	\$36,793.3	\$37,843.3	\$38,893.3	\$39,943.3	\$40,993.3	\$42,043.3	\$43,093.3	\$44,143.3	\$45,193.3	\$46,243.3	\$47,293.3	\$48,343.3	\$49,393.3	\$50,443.3	\$51,493.3	\$52,543.3	\$53,593.3	\$54,643.3	\$55,693.3	\$56,743.3	\$57,793.3	\$58,843.3	\$59,893.3	\$60,943.3	\$61,993.3	\$63,043.3	\$64,093.3	\$65,143.3	\$66,193.3	\$67,243.3	\$68,293.3	\$69,343.3	\$70,393.3	\$71,443.3	\$72,493.3	\$73,543.3	\$74,593.3	\$75,643.3	\$76,693.3	\$77,743.3	\$78,793.3	\$79,843.3	\$80,893.3	\$81,943.3	\$82,993.3	\$84,043.3	\$85,093.3	\$86,143.3	\$87,193.3	\$88,243.3	\$89,293.3	\$90,343.3	\$91,393.3	\$92,443.3	\$93,493.3	\$94,543.3	\$95,593.3	\$96,643.3	\$97,693.3	\$98,743.3	\$99,793.3	\$100,843.3	\$101,893.3	\$102,943.3	\$103,993.3	\$105,043.3	\$106,093.3	\$107,143.3	\$108,193.3	\$109,243.3	\$110,293.3	\$111,343.3	\$112,393.3	\$113,443.3	\$114,493.3	\$115,543.3	\$116,593.3	\$117,643.3	\$118,693.3	\$119,743.3	\$120,793.3	\$121,843.3	\$122,893.3	\$123,943.3	\$124,993.3	\$126,043.3	\$127,093.3	\$128,143.3	\$129,193.3	\$130,243.3	\$131,293.3	\$132,343.3	\$133,393.3	\$134,443.3	\$135,493.3	\$136,543.3	\$137,593.3	\$138,643.3	\$139,693.3	\$140,743.3	\$141,793.3	\$142,843.3	\$143,893.3	\$144,943.3	\$145,993.3	\$147,043.3	\$148,093.3	\$149,143.3	\$150,193.3	\$151,243.3	\$152,293.3	\$153,343.3	\$154,393.3	\$155,443.3	\$156,493.3	\$157,543.3	\$158,593.3	\$159,643.3	\$160,693.3	\$161,743.3	\$162,793.3	\$163,843.3	\$164,893.3	\$165,943.3	\$166,993.3	\$168,043.3	\$169,093.3	\$170,143.3	\$171,193.3	\$172,243.3	\$173,293.3	\$174,343.3	\$175,393.3	\$176,443.3	\$177,493.3	\$178,543.3	\$179,593.3	\$180,643.3	\$181,693.3	\$182,743.3	\$183,793.3	\$184,843.3	\$185,893.3	\$186,943.3	\$187,993.3	\$189,043.3	\$190,093.3	\$191,143.3	\$192,193.3	\$193,243.3	\$194,293.3	\$195,343.3	\$196,393.3	\$197,443.3	\$198,493.3	\$199,543.3	\$200,593.3	\$201,643.3	\$202,693.3	\$203,743.3	\$204,793.3	\$205,843.3	\$206,893.3	\$207,943.3	\$208,993.3	\$210,043.3	\$211,093.3	\$212,143.3	\$213,193.3	\$214,243.3	\$215,293.3	\$216,343.3	\$217,393.3	\$218,443.3	\$219,493.3	\$220,543.3	\$221,593.3	\$222,643.3	\$223,693.3	\$224,743.3	\$225,793.3	\$226,843.3	\$227,893.3	\$228,943.3	\$229,993.3	\$231,043.3	\$232,093.3	\$233,143.3	\$234,193.3	\$235,243.3	\$236,293.3	\$237,343.3	\$238,393.3	\$239,443.3	\$240,493.3	\$241,543.3	\$242,593.3	\$243,643.3	\$244,693.3	\$245,743.3	\$246,793.3	\$247,843.3	\$248,893.3	\$249,943.3	\$250,993.3	\$252,043.3	\$253,093.3	\$254,143.3	\$255,193.3	\$256,243.3	\$257,293.3	\$258,343.3	\$259,393.3	\$260,443.3	\$261,493.3	\$262,543.3	\$263,593.3	\$264,643.3	\$265,693.3	\$266,743.3	\$267,793.3	\$268,843.3	\$269,893.3	\$270,943.3	\$271,993.3	\$272,993.3	\$273,993.3	\$274,993.3	\$275,993.3	\$276,993.3	\$277,993.3	\$278,993.3	\$279,993.3	\$280,993.3	\$281,993.3	\$282,993.3	\$283,993.3	\$284,993.3	\$285,993.3	\$286,993.3	\$287,993.3	\$288,993.3	\$289,993.3	\$290,993.3	\$291,993.3	\$292,993.3	\$293,993.3	\$294,993.3	\$295,993.3	\$296,993.3	\$297,993.3	\$298,993.3	\$299,993.3	\$300,993.3	\$301,993.3	\$302,993.3	\$303,993.3	\$304,993.3	\$305,993.3	\$306,993.3	\$307,993.3	\$308,993.3	\$309,993.3	\$310,993.3	\$311,993.3	\$312,993.3	\$313,993.3	\$314,993.3	\$315,993.3	\$316,993.3	\$317,993.3	\$318,993.3	\$319,993.3	\$320,993.3	\$321,993.3	\$322,993.3	\$323,993.3	\$324,993.3	\$325,993.3	\$326,993.3	\$327,993.3	\$328,993.3	\$329,993.3	\$330,993.3	\$331,993.3	\$332,993.3	\$333,993.3	\$334,993.3	\$335,993.3	\$336,993.3	\$337,993.3	\$338,993.3	\$339,993.3	\$340,993.3	\$341,993.3	\$342,993.3	\$343,993.3	\$344,993.3	\$345,993.3	\$346,993.3	\$347,993.3	\$348,993.3	\$349,993.3	\$350,993.3	\$351,993.3	\$352,993.3	\$353,993.3	\$354,993.3	\$355,993.3	\$356,993.3	\$357,993.3	\$358,993.3	\$359,993.3	\$360,993.3	\$361,993.3	\$362,993.3	\$363,993.3	\$364,993.3	\$365,993.3	\$366,993.3	\$367,993.3	\$368,993.3	\$369,993.3	\$370,993.3	\$371,993.3	\$372,993.3	\$373,993.3	\$374,993.3	\$375,993.3	\$376,993.3	\$377,993.3	\$378,993.3	\$379,993.3	\$380,993.3	\$381,993.3	\$382,993.3	\$383,993.3	\$384,993.3	\$385,993.3	\$386,993.3	\$387,993.3	\$388,993.3	\$389,993.3	\$390,993.3	\$391,993.3	\$392,993.3	\$393,993.3	\$394,993.3	\$395,993.3	\$396,993.3	\$397,993.3	\$398,993.3	\$399,993.3	\$400,993.3	\$401,993.3	\$402,993.3	\$403,993.3	\$404,993.3	\$405,993.3	\$406,993.3	\$407,993.3	\$408,993.3	\$409,993.3	\$410,993.3	\$411,993.3	\$412,993.3	\$413,993.3	\$414,993.3	\$415,993.3	\$416,993.3	\$417,993.3	\$418,993.3	\$419,993.3	\$420,993.3	\$421,993.3	\$422,993.3	\$423,993.3	\$424,993.3	\$425,993.3	\$426,993.3	\$427,993.3	\$428,993.3	\$429,993.3	\$430,993.3	\$431,993.3	\$432,993.3	\$433,993.3	\$434,993.3	\$435,993.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**RESOLUTION NO. 17-973**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE JOSHUA BASIN WATER DISTRICT APPROVING A MEMORANDUM OF UNDERSTANDING WITH THE JOSHUA BASIN CHAPTER OF AFSCME LOCAL 1902**

**WHEREAS**, the Board of Directors of the Joshua Basin Water District previously, by Resolution No. 13-911, established a Memorandum of Understanding between the District and the AFSCME Local 1902, and

**WHEREAS**, the term of the previous Memorandum of Understanding expired on September 2, 2016, and

**WHEREAS**, the District's negotiating team and the AFSCME negotiating team worked cooperatively to develop a new Memorandum of Understanding.

**NOW, THEREFORE, IT IS HEREBY RESOLVED** by the Board of Directors of the Joshua Basin Water District approve the attached Memorandum of Understanding for the term September 3, 2016 through September 2, 2019.

ADOPTED, SIGNED AND APPROVED this 3<sup>rd</sup> day of May 2017.

Mickey Luckman Aye

Robert Johnson Aye

Geary Hund Aye

Rebecca Unger Aye

  
\_\_\_\_\_  
Mickey Luckman, President, Board of Directors

  
\_\_\_\_\_  
Curt Sauer, Board Secretary

**RESOLUTION NO. 17-974**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE JOSHUA BASIN  
WATER DISTRICT APPROVING THE COMPENSATION PLAN FOR THE  
MANAGEMENT SUPERVISORY, AND CONFIDENTIAL UNIT**

**WHEREAS**, pursuant to Article VII, Section A of the Personnel Policy – Resolution No. 333-90 of the Joshua Basin Water District (hereafter “District”), the Board of Directors of the Joshua Basin Water District hereby adopts the revised compensation plan for the Management, Supervisory, and confidential Bargaining Unite (hereafter “MSC”).

**NOW, THEREFORE, IT IS HEREBY RESOLVED** by the Board of Directors of the Joshua Basin Water District that amendments and additions to the Articles VII and VIII of the Personnel Policy, Resolution No. 333-90, as set forth in Exhibit “A” to this Resolution and made a part of the Resolution are hereby adopted effective May 3, 2017.

**ADOPTED, SIGNED AND APPROVED** this 3<sup>rd</sup> day of May 2017.

Mickey Luckman Aye  
Robert Johnson Aye  
Geary Hund Aye  
Rebecca Unger Aye

  
\_\_\_\_\_  
Mickey Luckman, President, Board of Directors

  
\_\_\_\_\_  
Curt Sauer, Board Secretary



## **EXHIBIT A to Resolution No. 17-974**

### **Article VII – Compensation Plan, addition to the beginning of Section B – Salary Steps**

Effective with the first full pay period starting after approval by the District's Board of Directors, the District will adopt Appendix IV to the Koff report, entitled "Proposed Range Placement Recommendations." No reductions in salary shall occur for any classification as a result of this range adjustment.

Effective with first full pay period starting after approval by the District's Board of Directors, and after first making the range adjustment described above, all classifications subject to this ratification shall receive a cost of living increase for all steps equal to 2.5%.

Effective with the first full pay period starting in January 2018, all classifications subject to this ratification shall receive a cost of living increase for all steps equal to 2.5%.

Effective with the first full pay period starting in January 2019, all classifications subject to this ratification shall receive a cost of living increase for all steps equal to 2.5%.

No employee will be entitled to salary in excess of the top step for the employee's classification, regardless of the employee's performance evaluation.

### **Article VII – Compensation Plan, NEW Section J – Longevity Pay**

Effective with the first full pay period after approval by the District's Board of Directors, the District will pay longevity pay in the following amounts:

After 10 years of continuous District service: \$20.00 per month;

After 15 years of continuous District service: \$40.00 per month; and

After 20 years of continuous District service: \$60.00 per month.

Although stated as a monthly amount, the longevity pay shall be paid in each pay period in an amount equal to the monthly amounts stated above. Continuous District service preceding the approval of this resolution by the District's Board of Directors shall count toward meeting the service thresholds described above.

### **Article VII – Compensation and Hours, NEW Section K – Safety Boot Allowance for Eligible Employees**

The District will reimburse employees in the following eligible MSC classifications (Distribution Supervisor, Production Supervisor, and any other classification that is determined by the General Manager to be eligible) up to \$200.00 per calendar year for the purchase of safety boots to be used at work, in accordance with the safety boot policy. The employee is responsible for providing proof (e.g. a photocopy of boot specifications or the specifications depicted on the exterior of the boot box) that the "ASTM F2413-11 I/75 C/75 EH" standard has been satisfied, completing a District reimbursement form and submitting this form along with the original receipt of purchase to their immediate supervisor.

The immediate supervisor will review the submittal, physically inspect the safety boots, and ensure eligibility for reimbursement pursuant to this policy. If the documentation confirms eligibility, the immediate supervisor will process with the Finance Department for reimbursement.

## **Article VIII – Employee Benefits, addition to Section B4 - Group Health Insurance Program**

### **Legacy Option**

**For all MSC employees subject to this resolution hired prior to 1/1/2017:**

Beginning in the first full month after approval by the District’s Board of Directors, employees that were hired prior to January 1, 2017 may choose the Legacy Option. The District shall contribute \$1,000.00 per month for each eligible MSC employee to be used for employee health, dental, vision, and related insurance benefits.

Eligible MSC employees that select the legacy option are allowed to opt out of the District medical plan if they provide proof of other acceptable alternative group medical coverage. The eligible employee must provide proof of the existence of such acceptable alternative group medical coverage yearly, and must sign a written notice of declination yearly indicating that the employee is declining the District’s medical insurance coverage and that the employee has acceptable alternative group medical coverage.

The employee will still be required to participate in dental and vision insurance benefits. From the monthly benefit, the District shall deduct the “employee only” mandatory premiums for the District’s dental and vision insurance coverage.

The eligible MSC employee would be permitted to use the balance of the contribution for any related insurance benefit offered by the District. The eligible MSC employee would be permitted to receive the unused balance of the contribution as a cash benefit. The cash benefit may be subject to CalPERS and taxation.

If the eligible Legacy MSC employee has a qualifying loss of acceptable alternative group medical coverage, the employee must notify the District of their loss in coverage as soon as possible. The employee would become eligible to enroll in the District provided medical plan (subject to applicable waiting periods) under Tier 2 provisions.

### **Tier 1**

**For all MSC employees hired prior to 1/1/2017:**

Beginning in the first full month after approval by the District’s Board of Directors, all MSC employees **MUST** enroll in the currently available District provided health plans. The employee must enroll at a **minimum level of single employee only coverage** for medical, dental and vision plans.

The District shall pay 100% of the premiums for *employee only* medical, dental, and vision coverage, subject to a monthly cap, set at \$1,700.00 at the time of this writing.

Employees may apply the remaining balance of the monthly cap (above the cost of required single employee only–premiums) to optional eligible dependent premiums. Dependent eligibility must be proven.

Any unused portion of the monthly contribution cap that is not used by the required single employee only enrollment in medical, dental, vision, and optional dependent coverage, will be paid to the employee. Tier 1 employees cannot convert back to the Legacy Option.

#### **Tier 2**

##### **For all MSC employees hired AFTER 1/1/2017:**

Beginning in the first full month after approval by the District’s Board of Directors, all MSC employees **MUST** enroll in the currently available District provided health plans. The employee must enroll at a **minimum level of single employee only coverage** for medical, dental and vision plans.

The District shall pay 100% of the premiums for **employee only** medical, dental, and vision coverage, subject to a monthly cap, set at \$1,700.00 at the time of this writing.

Employees may apply the remaining balance of the monthly cap (above the cost of required single employee only–premiums) to optional eligible dependent premiums. Dependent eligibility must be proven.

If premium costs are less than the monthly contribution cap, the unused portion will not be paid to the employee. There will be **NO** opt out cash available nor can the employee receive cash above the cost of premiums.

Tier 2 employees may use these funds to purchase any insurance products offered by the District, specifically including, but not limited to, short and long term disability insurance.

#### **Tier 1 and 2 - Additional Provisions**

The 2017 monthly cap is \$1,700.00 and will be increased by \$50.00 per month in January 2018 and again in January 2019 for both Tier 1 and Tier 2.

Any cost for additional benefits in excess of the monthly contribution cap is the responsibility of the employee whether in Tier 1 or Tier 2.

Any full-time employees that work fewer than forty (40) hours per week, for reasons other than using earned accruals or allowable paid leaves, shall receive the applicable Tier 1 or Tier 2 benefits prorated based on the number of hours paid compared to a full time forty (40) hour schedule. Full time employees on unpaid leaves are subject to proration. Any employee who is regularly scheduled to work less than 40 hours per week shall receive no benefits under this provision.

The District agrees to maintain the ACWA health insurance program and all other insurance products currently offered for the duration of this ratification to the extent they continue to be offered by the carrier.

**Article VIII – Employee Benefits, NEW Section B.1.c - Retirement Programs – Deferred Compensation/457**

The District shall continue to provide a voluntary deferred compensation 457 plan to Eligible Employees. Effective with the first full pay period after approval by the District’s Board of Directors, the District shall make a matching contribution equal to 10% of the employee’s contribution, not to exceed \$700.00 per calendar year. (Example – employee contributes \$2,000.00 to the deferred compensation/457 Plan between January 1-December 31. The District shall be obligated to pay 10% of \$2,000.00 (\$200.00) into the employee’s account.) The District shall make its contribution at the end of the calendar year.

Upon retirement or termination, employees may choose to withdraw the money from their account, but penalties may apply based on their age, etc. Employees will be provided with the name of the individual administering the deferred compensation plan on the District’s behalf upon request.

Employees may request withdrawal of deferred compensation funds due to “unforeseeable emergencies”. Each request for withdrawal of funds shall be considered on a case-by-case basis. The General Manager will review the details surrounding the request and after consultation with the District’s auditors, the deferred compensation plan administrator, the IRS, and/or other similar experts, shall approve or disapprove the request for withdrawal.

JOSHUA BASIN WATER DISTRICT  
MEETING AGENDA REPORT

Meeting of the Board of Directors

December 20, 2017

Report to: President and Members of the Board

Prepared by: Curt Sauer

**TOPIC:**

ELECTION OF BOARD OFFICERS

**RECOMMENDATION:**

Elect Vice President and President for the calendar year 2018.

**ANALYSIS:**

Article 2.01 of the JBWD Administration Code requires the election of the Officers of the Board at the last regular meeting of each calendar year. Officers are the Vice President and President, and they will serve for the calendar year 2018.

It is the responsibility of the President of the Board to preside over all meetings. The Vice-President shall act in the President's absence or inability to act.

**STRATEGIC PLAN ITEM:**

N/A

**FISCAL IMPACT:**

N/A

## ARTICLE 2

### BOARD OF DIRECTORS

**2.01 Officers.** The Board of Directors shall elect at the last regular meeting of each calendar year the Officers of the Board. The Officers elected shall take office upon their election.

**2.01.01 President.** The President of the Board shall preside over all meetings.

**2.01.02 Vice President.** The Vice-President shall act in the President's absence or inability to act.

#### **2.02 Director Compensation**

##### **(A) Amount of Per Diem Compensation**

Directors receive a daily meeting stipend in the amount set forth in Ordinance No. 08-7 for each day's attendance at meetings, as defined in this ARTICLE 2. Such compensation is in addition to any reimbursement for meals, lodging, travel and expenses consistent with this ARTICLE 2.

##### **(B) Meetings for Which Specific Prior Approval Not Required (Preapproved Meetings, Conferences, Programs, and Activities)**

A Director is entitled to receive a daily meeting stipend without specific prior Board approval for attending the following:

1. Meetings of the Board;
2. Meetings of a standing committee of the Board, where the Director is an appointed member of that committee;
3. Meetings of an ad hoc committee of the Board, where the Director is an appointed member of that committee;
4. Meetings conferences seminars and committee meetings of the Association of California Water Agencies;
5. Meetings of the Mojave Water Agency Board of Directors where the Director is designated by the President to attend;
6. A meeting of the Technical Advisory Committee of the Mojave Water Agency;
7. A meeting of any multi-jurisdictional governmental body on which the Director serves as the District's designated representative;
8. Meetings, conferences, or seminars of the Special Districts and Local Government Institute;

JOSHUA BASIN WATER DISTRICT  
MEETING AGENDA REPORT

Meeting of the Board of Directors

December 20, 2017

Report to: President and Members of the Board

Prepared by: Susan Greer

TOPIC:  
FIRST QUARTER ENDING 9/30/17 FINANCIAL REPORT

RECOMMENDATION:  
That the Board approve the first quarter ending 9/30/2017 Financial Report.

ANALYSIS:  
The first quarter ending 9/30/17 Financial Report is attached.

FISCAL IMPACT:  
Information Only



JOSHUA BASIN WATER DISTRICT  
1st QUARTER ENDING 9/30/17 FINANCIAL REPORT SUMMARY

CASH FLOW

\$1.1M water bill payments collected during the quarter  
\$39K collected from HDMC for wastewater treatment operations  
\$110K property taxes/assessments collected during the quarter  
\$193K grant funding received from SWRCB - Cr6 Planning  
\$117K Development fees received  
\$176K spent on Copper Mountain Mesa Assessment District debt  
\$329K spent on capital projects during the quarter  
Total cash increased \$57K during the quarter

CASH BALANCES

Both Emergency and Opportunity Funds are at their target balances  
Total cash as of 9/30/17 is increased \$57K over last quarter, and \$786K from one year ago

PROPERTY TAX AND ASSESSMENT COLLECTIONS

Current year property tax collections have not begun yet.  
Year-end cleanup check in the amount of \$109K received for fiscal 16/17.

BOARD REPORT

Total Revenues are 40% of budget, including standbys but no other property tax/assessment revenues  
Property taxes and assessments comprise 31% of 17/18 budgeted revenues  
Water Revenues are 31% of budget  
Total Expenses are 18% of budget  
Total revenues exceed total expenses by \$1.2M

CONSUMPTION STATISTICS

Usage for the 12 months ending 9/30/17 is 1.8% less than prior year and .8% less than two years ago  
The top 10 users represent the following types of businesses:

Public agency	7,518
Housing (multi-unit)	6,630
Hospital	4,693
Commercial	1,736
	<hr/>
	20,577





1st Quarter Ending 9/30/17 CASH FLOW EXPLANATION

Beginning Cash Balance 7/1/17 \$9,026,230

**Source of Funds (Revenues)**

Total cash received during the quarter from all sources 1,580,954

Grant Revenue of \$193,372 - SWRCB Cr6 Planning

Water bill and related payments of \$1,101,758 received from ratepayers

Property Tax/Assessment Payments of \$110,063 received

HDMC Funding of \$38,566 (Reimb \$31K, OH \$7K)

Meter Installation/Capacity Fees of \$116,503 received  
4 new meters plus HDMC annual wastewater capacity fee

Interest Revenue of \$20,692 received

**Use of Funds (Expenses)**

Total use of cash during the quarter for all purposes 1,523,890

Capital costs during the quarter - \$329,461

- Well 14 Rehab
- HVAC Office Upgrade
- K1 Booster Pumps
- Parcel Filing System

CMMAD Debt Service - \$176,220

Other Use of Funds costs indicated are average and typical

Ending Cash Balance 9/30/17 \$9,083,294

Total cash increased during the quarter by \$57,064



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 Website: [www.jbwd.com](http://www.jbwd.com) \* Customer Service: [customerservice@jbwd.com](mailto:customerservice@jbwd.com)

## CASH FLOW

July - September 2017

<b>FUND BALANCE AT BEGINNING OF PERIOD</b>		\$ 9,026,229.74
<b>FUNDS PROVIDED BY:</b>		
Water Sales	\$ 1,040,703.23	
Grant Revenues	193,372.12	
Turn On/Special Services Revenue/Misc	7,281.72	
Consumer Deposits	13,950.00	
HDMC WWTP Operations Reimbursement	31,482.34	
HDMC WWTP Operations Overhead Revenue	7,083.53	
Project Deposits	39,822.86	
Property Taxes Received - G.D.	10,238.37	
Property Taxes Received - ID #2	108.47	
Standby Collections - Year End Reconciliation Checks	82,618.13	
Property Taxes Received - CMM	17,097.54	
Interest	20,692.09	
Water Capacity Charges/Connection Fees	22,260.00	
Wastewater Capacity Charges	86,235.19	
Hzone Reimbursement Fees	-	
Meter Installation Fees	8,008.00	
	8,008.00	
<b>TOTAL SOURCE OF FUNDS</b>		<b>1,580,953.59</b>
<b>FUNDS USED FOR:</b>		
Debt Service	\$ 176,219.85	
Capital Additions	329,460.60	
Operating Expenses	492,008.99	
Total Disbursements	997,689.44	
Bank Transfer Payroll	289,384.10	
Employee Funded Payroll Taxes & CALPERS	150,822.72	
Employer Funded Payroll Taxes & CALPERS	71,810.40	
Employee Funded 457 Transfer	11,208.88	
Employer Funded 457 Annual Transfer	-	
Bank Fees/Charges	2,973.99	
Total Transfers	526,200.09	
		<b>1,523,889.53</b>
<b>TOTAL USE OF FUNDS</b>		
<b>FUND BALANCE AT END OF PERIOD</b>		<b>\$ 9,083,293.80</b>





1st Quarter Ending 9/30/17 BOARD REPORT SUMMARY

As of September 30, 2017 we are through 25% of the fiscal year

**REVENUES**

Total Revenues are 40% of budget  
 Water Revenues are 31% of budget  
 HDMC First quarter billing not yet prepared  
 Property Tax Revenues amounts are still being calculated, only Standby Revenue recorded

<b><u>EXPENSES</u></b>	% of budget	
Production	14%	Costs tracking appropriately
Distribution	18%	Costs tracking appropriately
Customer Service	15%	Costs tracking appropriately
Administration	20%	Costs tracking appropriately
Engineering	20%	Costs tracking appropriately
Finance	20%	Costs tracking appropriately
Human Resources	13%	Costs tracking appropriately
Bonds & Loans	38%	CMM principle payment for year made already
HDMC Tmt. Plant	8%	Costs tracking appropriately
Benefits Allocated	22%	Costs tracking appropriately
Field Allocated	20%	Costs tracking appropriately
Office Allocated	28%	Costs tracking appropriately
<hr/>		
TOTAL	18%	

**SUMMARY**

Total Operating Revenues exceed Total Expenses by \$1,267,845

Total Operating Revenues are 40%, \$2,327,438

Total Operating Expenses are 18%, \$1,059,593



# My \*Budget Report (Board Report)

## Account Summary

For Fiscal: 2017-2018 Period Ending: 09/30/2017

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Used
<b>Fund: 01 - GENERAL FUND</b>							
<b>Revenue</b>							
<b>Program: 40 - ** REVENUES **</b>							
<u>01-40-41010-FI</u>	METERED WATER SALES	1,818,000.00	1,818,000.00	220,897.41	648,860.73	-1,169,139.27	35.69 %
<u>01-40-41012-FI</u>	ALLOW FOR CAAP/BILLING ADJ	0.00	0.00	-778.14	-1,771.75	-1,771.75	0.00 %
<u>01-40-41015-FI</u>	BASIC FEES	1,463,292.00	1,463,292.00	123,023.08	368,283.21	-1,095,008.79	25.17 %
<u>01-40-41016-FI</u>	BASIC FEES - LOCKED/PULLED	296,986.00	296,986.00	22,184.05	79,297.01	-217,688.99	26.70 %
<u>01-40-41030-FI</u>	PRIVATE FIRE PROTECTION SERV.	22,271.00	22,271.00	1,855.88	5,567.64	-16,703.36	25.00 %
<u>01-40-41040-FI</u>	SPECIAL SERVICES REVENUE	115,225.00	115,225.00	13,532.43	38,874.98	-76,350.02	33.74 %
<u>01-40-41045-FI</u>	HDMC WWTP OPERATIONS REIMB	163,255.00	163,255.00	0.00	-5,341.69	-168,596.69	3.27 %
<u>01-40-41046-FI</u>	HDMC WWTP OVERHEAD/FEES RE	36,732.38	36,732.38	0.00	-1,201.88	-37,934.26	3.27 %
<u>01-40-42100-FI</u>	STANDBY REVENUE-CURRENT	1,140,296.99	1,140,296.99	1,154,601.11	1,154,601.11	14,304.12	101.25 %
<u>01-40-43000-FI</u>	PROPERTY TAX REVENUE - G.D.	428,000.00	428,000.00	0.00	0.00	-428,000.00	0.00 %
<u>01-40-43010-FI</u>	AD VALOREM REVENUE - ID #2	0.00	0.00	0.00	108.49	108.49	0.00 %
<u>01-40-43020-FI</u>	ASSESSMENT REVENUE - CMM	242,556.48	242,556.48	0.00	0.00	-242,556.48	0.00 %
<u>01-40-44010-FI</u>	WATER CAPACITY CHARGES	0.00	0.00	12,189.00	22,260.00	22,260.00	0.00 %
<u>01-40-44030-FI</u>	METER INSTALLATION FEES	0.00	0.00	6,006.00	8,008.00	8,008.00	0.00 %
<u>01-40-44035-FI</u>	METER REPAIR REVENUE	0.00	0.00	3,093.65	3,596.39	3,596.39	0.00 %
<u>01-40-44050-FI</u>	WASTEWATER CAPACITY CHARGES	0.00	0.00	6,008.00	6,008.00	6,008.00	0.00 %
<u>01-40-47000-FI</u>	MISCELLANEOUS REVENUE	11,656.00	11,656.00	0.00	287.95	-11,368.05	2.47 %
<u>01-40-47002-FI</u>	INTEREST REVENUE - G.D.	37,028.00	37,028.00	0.00	0.00	-37,028.00	0.00 %
<b>Program: 40 - ** REVENUES ** Total:</b>		<b>5,775,298.85</b>	<b>5,775,298.85</b>	<b>1,560,612.47</b>	<b>2,327,438.19</b>	<b>-3,447,860.66</b>	<b>40.30 %</b>
<b>Revenue Total:</b>		<b>5,775,298.85</b>	<b>5,775,298.85</b>	<b>1,560,612.47</b>	<b>2,327,438.19</b>	<b>-3,447,860.66</b>	<b>40.30 %</b>
<b>Expense</b>							
<b>Program: 01 - ** PRODUCTION **</b>							
<u>01-01-5-01-01118-FI</u>	PRODUCTION SALARY	327,757.00	327,757.00	20,860.43	64,576.96	263,180.04	19.70 %
<u>01-01-5-01-02205-RI</u>	WATER TREATMENT EXPENSE	11,000.00	11,000.00	372.50	1,415.50	9,584.50	12.87 %
<u>01-01-5-01-02210-RI</u>	SMALL TOOLS - PRODUCTION	6,000.00	10,000.00	369.51	5,400.78	4,599.22	54.01 %
<u>01-01-5-01-03102-GM</u>	WATER RECHARGE PURCHASE	286,500.00	286,500.00	0.00	0.00	286,500.00	0.00 %
<u>01-01-5-01-03105-GM</u>	WATER SUPPLY MONITORING	96,925.00	96,925.00	0.00	0.00	96,925.00	0.00 %
<u>01-01-5-01-03108-RI</u>	RECHARGE MAINT/REPAIR	25,000.00	25,000.00	0.00	0.00	25,000.00	0.00 %
<u>01-01-5-01-03111-D/P</u>	EQUIPMENT RENTAL	6,200.00	6,200.00	0.00	0.00	6,200.00	0.00 %
<u>01-01-5-01-03115-RI</u>	PUMPING PLANT REPAIR & MAINT.	100,000.00	100,000.00	8,296.18	10,412.12	89,587.88	10.41 %
<u>01-01-5-01-03120-RI</u>	TANK & RESERVOIR MAINTENANCE	45,000.00	45,000.00	2,366.96	2,366.96	42,633.04	5.26 %
<u>01-01-5-01-03207-RI</u>	GENERATOR (LARGE) REPAIR & MA	27,000.00	27,000.00	5,403.30	7,581.88	19,418.12	28.08 %
<u>01-01-5-01-04004-RI</u>	LABORATORY SERVICES	29,900.00	28,400.00	2,118.25	1,457.25	26,942.75	5.13 %
<u>01-01-5-01-06105-RI</u>	POWER FOR PUMPING (ELECTRIC)	330,000.00	330,000.00	38,955.30	75,474.30	254,525.70	22.87 %
<u>01-01-5-01-06501-RI</u>	TELEMETRY / SCADA EXPENSE	15,000.00	15,000.00	690.00	690.00	14,310.00	4.60 %
<u>01-01-5-01-07002-AGM</u>	RIGHT OF WAY	16,000.00	16,000.00	0.00	0.00	16,000.00	0.00 %
<u>01-01-5-01-98001-FI</u>	EE BENEFITS ALLOCATED	224,458.68	224,458.68	48,379.54	48,379.54	176,079.14	21.55 %
<u>01-01-5-01-98002-FI</u>	FIELD EXPENSES ALLOCATED	64,073.90	64,073.90	12,630.79	12,630.79	51,443.11	19.71 %
<b>Program: 01 - ** PRODUCTION ** Total:</b>		<b>1,610,814.58</b>	<b>1,613,314.58</b>	<b>140,442.76</b>	<b>230,386.08</b>	<b>1,382,928.50</b>	<b>14.28 %</b>
<b>Program: 02 - ** DISTRIBUTION **</b>							
<u>01-02-5-02-01130-FI</u>	DISTRIBUTION SALARY	451,766.00	451,766.00	29,138.81	82,873.18	368,892.82	18.34 %
<u>01-02-5-02-02213-JC</u>	SMALL TOOLS - DISTRIBUTION	11,000.00	13,500.00	370.35	511.08	12,988.92	3.79 %
<u>01-02-5-02-02920-FI</u>	INVENTORY-OVER & SHORT	7,445.00	7,445.00	0.00	0.00	7,445.00	0.00 %
<u>01-02-5-02-03106-JC</u>	MAINLINE AND LEAK REPAIR	90,000.00	90,000.00	727.01	11,555.47	78,444.53	12.84 %
<u>01-02-5-02-03130-JC</u>	CROSS CONNECTION CONTROL EXP	3,000.00	3,000.00	0.00	0.00	3,000.00	0.00 %
<u>01-02-5-02-03206-JC</u>	TRACTOR REPAIR / MAINT.	9,000.00	9,000.00	16.14	16.14	8,983.86	0.18 %
<u>01-02-5-02-04005-JC</u>	UTILITY LOCATING (DIG ALERT)	14,000.00	14,000.00	1,100.21	1,989.02	12,010.98	14.21 %
<u>01-02-5-02-98001-FI</u>	EE BENEFITS ALLOCATED	321,665.21	321,665.21	69,331.29	69,331.29	252,333.92	21.55 %

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Used
<u>01-02-5-02-98002-FI</u>	FIELD EXPENSES ALLOCATED	91,895.04	91,895.04	18,115.13	18,115.13	73,779.91	19.71 %
<b>Program: 02 - ** DISTRIBUTION ** Total:</b>		<b>999,771.25</b>	<b>1,002,271.25</b>	<b>118,798.94</b>	<b>184,391.31</b>	<b>817,879.94</b>	<b>18.40 %</b>
<b>Program: 03 - ** CUSTOMER SERVICE **</b>							
<u>01-03-5-03-01107-FI</u>	FIELD SALARY - CUSTOMER SERVICE	65,741.00	65,741.00	4,781.11	12,405.06	53,335.94	18.87 %
<u>01-03-5-03-01114-FI</u>	OFFICE SALARY - CUSTOMER SERV.	122,499.00	122,499.00	7,045.77	18,996.06	103,502.94	15.51 %
<u>01-03-5-03-03107-AGM</u>	METER SERVICE REPAIR	93,921.00	93,921.00	552.59	997.71	92,923.29	1.06 %
<u>01-03-5-03-07010-AGM</u>	BAD DEBT	31,680.00	31,680.00	0.00	0.00	31,680.00	0.00 %
<u>01-03-5-03-07015-AGM</u>	CUSTOMER SERVICE - OTHER	37,449.00	37,449.00	3,682.05	7,376.21	30,072.79	19.70 %
<u>01-03-5-03-98001-FI</u>	EE BENEFITS ALLOCATED	94,224.04	94,224.04	20,308.93	20,308.93	73,915.11	21.55 %
<u>01-03-5-03-98002-FI</u>	FIELD EXPENSES ALLOCATED	4,939.90	4,939.90	973.79	973.79	3,966.11	19.71 %
<u>01-03-5-03-98003-FI</u>	OFFICE EXPENSE ALLOCATED	38,549.02	38,549.02	10,787.58	10,787.58	27,761.44	27.98 %
<b>Program: 03 - ** CUSTOMER SERVICE ** Total:</b>		<b>489,002.96</b>	<b>489,002.96</b>	<b>48,131.82</b>	<b>71,845.34</b>	<b>417,157.62</b>	<b>14.69 %</b>
<b>Program: 04 - ** ADMINISTRATION **</b>							
<u>01-04-5-04-01108-FI</u>	ADMINISTRATION SALARY	322,982.00	322,982.00	25,988.28	65,638.34	257,343.66	20.32 %
<u>01-04-5-04-01115-FI</u>	SAFETY SALARY	8,640.00	8,640.00	1,633.07	2,433.07	6,206.93	28.16 %
<u>01-04-5-04-01121-FI</u>	DIRECTORS SALARY	31,253.40	31,253.40	1,562.67	5,035.27	26,218.13	16.11 %
<u>01-04-5-04-01210-GM</u>	DIRECTORS / C.A.C. EDUCATION	10,000.00	10,000.00	0.00	0.00	10,000.00	0.00 %
<u>01-04-5-04-07008-ALL</u>	BUSINESS EXPENSE	6,700.00	6,700.00	270.00	1,443.00	5,257.00	21.54 %
<u>01-04-5-04-07014-GM</u>	PUBLIC INFORMATION	69,240.00	69,240.00	4,480.50	11,751.04	57,488.96	16.97 %
<u>01-04-5-04-07016-ALL</u>	MEMBERSHIP, DUES & SUBSCRIPT	27,000.00	27,000.00	1,129.00	11,129.00	15,871.00	41.22 %
<u>01-04-5-04-07020-GM</u>	WATER CONSERVATION EXPENSE	44,000.00	44,000.00	0.00	2,108.75	41,891.25	4.79 %
<u>01-04-5-04-07025-GM</u>	LEGAL SERVICES - NON-PERSONNEL	80,000.00	80,000.00	3,116.00	5,415.00	74,585.00	6.77 %
<u>01-04-5-04-07028-GM</u>	WATER RECHARGE SAVINGS-OPP F	20,055.00	20,055.00	0.00	0.00	20,055.00	0.00 %
<u>01-04-5-04-07218-ALL</u>	SAFETY EXPENSE (EQUIP & SUPPLIE	15,000.00	15,000.00	395.00	1,132.86	13,867.14	7.55 %
<u>01-04-5-04-07219-GM</u>	EMERGENCY PREPAREDNESS	5,000.00	5,000.00	4,850.00	5,375.35	-375.35	107.51 %
<u>01-04-5-04-07401-AGM</u>	PROPERTY INSURANCE	72,800.00	72,800.00	16,775.72	16,775.72	56,024.28	23.04 %
<u>01-04-5-04-98001-FI</u>	EE BENEFITS ALLOCATED	224,458.68	224,458.68	48,379.54	48,379.54	176,079.14	21.55 %
<u>01-04-5-04-98003-FI</u>	OFFICE EXPENSE ALLOCATED	110,517.89	110,517.89	30,927.41	30,927.41	79,590.48	27.98 %
<b>Program: 04 - ** ADMINISTRATION ** Total:</b>		<b>1,047,646.97</b>	<b>1,047,646.97</b>	<b>139,507.19</b>	<b>207,544.35</b>	<b>840,102.62</b>	<b>19.81 %</b>
<b>Program: 05 - ** ENGINEERING **</b>							
<u>01-05-5-05-01109-FI</u>	ENGINEERING/GIS/IT SALARY	93,133.00	93,133.00	7,956.63	23,526.57	69,606.43	25.26 %
<u>01-05-5-05-02305-ENG</u>	MAPS/DRAFTING SUPPLIES	1,215.80	1,215.80	0.00	251.41	964.39	20.68 %
<u>01-05-5-05-04006-ENG</u>	PLAN CHECK / INSPECTION	0.00	0.00	38.25	38.25	-38.25	0.00 %
<u>01-05-5-05-04008-GM</u>	ENGINEERING CONTRACT SERVICES	45,000.00	45,000.00	980.91	980.91	44,019.09	2.18 %
<u>01-05-5-05-98001-FI</u>	EE BENEFITS ALLOCATED	64,730.70	64,730.70	13,951.98	13,951.98	50,778.72	21.55 %
<u>01-05-5-05-98003-FI</u>	OFFICE EXPENSE ALLOCATED	32,698.55	32,698.55	9,150.39	9,150.39	23,548.16	27.98 %
<b>Program: 05 - ** ENGINEERING ** Total:</b>		<b>236,778.05</b>	<b>236,778.05</b>	<b>32,078.16</b>	<b>47,899.51</b>	<b>188,878.54</b>	<b>20.23 %</b>
<b>Program: 06 - ** FINANCE **</b>							
<u>01-06-5-06-01101-FI</u>	FINANCE SALARY	248,876.00	248,876.00	17,074.86	44,809.51	204,066.49	18.00 %
<u>01-06-5-06-04009-AGM</u>	ACCOUNTING SERVICES	24,600.00	24,600.00	0.00	2,400.00	22,200.00	9.76 %
<u>01-06-5-06-07001-AGM</u>	FINANCE - OTHER	22,315.00	22,315.00	1,719.57	5,206.52	17,108.48	23.33 %
<u>01-06-5-06-98001-FI</u>	EE BENEFITS ALLOCATED	157,408.28	157,408.28	33,927.58	33,927.58	123,480.70	21.55 %
<u>01-06-5-06-98003-FI</u>	OFFICE EXPENSE ALLOCATED	79,448.92	79,448.92	22,233.05	22,233.05	57,215.87	27.98 %
<b>Program: 06 - ** FINANCE ** Total:</b>		<b>532,648.20</b>	<b>532,648.20</b>	<b>74,955.06</b>	<b>108,576.66</b>	<b>424,071.54</b>	<b>20.38 %</b>
<b>Program: 07 - ** HUMAN RESOURCES **</b>							
<u>01-07-5-07-01102-FI</u>	PERSONNEL SALARY	40,745.00	40,745.00	1,713.74	6,258.04	34,486.96	15.36 %
<u>01-07-5-07-01215-ALL</u>	TRAINING & EE EDUCATION	24,598.00	24,598.00	2,468.21	4,156.46	20,441.54	16.90 %
<u>01-07-5-07-01905-HR</u>	EMPLOYMENT RECRUITING EXPEN	5,000.00	5,000.00	0.00	69.00	4,931.00	1.38 %
<u>01-07-5-07-01910-HR</u>	LABOR LEGAL FEES	30,000.00	30,000.00	2,057.20	2,107.20	27,892.80	7.02 %
<u>01-07-5-07-01915-HR</u>	PERSONNEL - OTHER	10,440.00	10,440.00	0.00	12.00	10,428.00	0.11 %
<u>01-07-5-07-98001-FI</u>	EE BENEFITS ALLOCATED	17,673.91	17,673.91	3,809.41	3,809.41	13,864.50	21.55 %
<u>01-07-5-07-98003-FI</u>	OFFICE EXPENSE ALLOCATED	5,930.62	5,930.62	1,659.63	1,659.63	4,270.99	27.98 %
<b>Program: 07 - ** HUMAN RESOURCES ** Total:</b>		<b>134,387.53</b>	<b>134,387.53</b>	<b>11,708.19</b>	<b>18,071.74</b>	<b>116,315.79</b>	<b>13.45 %</b>
<b>Program: 09 - ** BONDS, LOANS &amp; NON-OP EXP **</b>							
<u>01-09-5-09-08115-FI</u>	CMM PRINCIPLE	107,000.00	107,000.00	107,000.00	107,000.00	0.00	100.00 %
<u>01-09-5-09-08120-FI</u>	MORONGO BASIN PIPELINE	219,594.51	219,594.51	0.00	0.00	219,594.51	0.00 %

		Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)	Percent Used
<u>01-09-5-09-08215-FI</u>	INTEREST EXPENSE - CMM	136,057.50	136,057.50	69,219.85	69,219.85	66,837.65	50.88 %
<u>01-09-5-09-08315-FI</u>	ID #2 BONDS COLLECTION CHARGE	0.00	0.00	0.00	0.02	-0.02	0.00 %
<u>01-09-5-09-08320-FI</u>	GENERAL TAX COLLECTION CHARG	653.00	653.00	0.00	8.48	644.52	1.30 %
<u>01-09-5-09-08325-FI</u>	ADMINISTRATION - CMM	10,299.00	10,299.00	0.00	2,083.09	8,215.91	20.23 %
<b>Program: 09 - ** BONDS, LOANS &amp; NON-OP EXP ** Total:</b>		<b>473,604.01</b>	<b>473,604.01</b>	<b>176,219.85</b>	<b>178,311.44</b>	<b>295,292.57</b>	<b>37.65 %</b>
<b>Program: 20 - ** HDMC TREATMENT PLANT (Reimbursable) **</b>							
<u>01-20-5-20-03101-DWR</u>	HDMC: OTHER	66,435.00	66,435.00	0.00	0.00	66,435.00	0.00 %
<u>01-20-5-20-04100-DWR</u>	HDMC: CONTRACTED OPERATION	76,220.00	76,220.00	7,373.36	11,010.84	65,209.16	14.45 %
<u>01-20-5-20-06100-DWR</u>	HDMC: PUMPING POWER	20,600.00	20,600.00	776.61	1,555.61	19,044.39	7.55 %
<b>Program: 20 - ** HDMC TREATMENT PLANT (Reimbursable) ** To</b>		<b>163,255.00</b>	<b>163,255.00</b>	<b>8,149.97</b>	<b>12,566.45</b>	<b>150,688.55</b>	<b>7.70 %</b>
<b>Program: 42 - ** RESERVE &amp; OTHER FUNDING-OP**</b>							
<u>01-42-5-99-00010-FI</u>	%BUILDING RESERVE (OP Funded)	27,040.00	27,040.00	0.00	0.00	27,040.00	0.00 %
<u>01-42-5-99-00100-AGM</u>	%EQUIP&TECH RESERVE (OP Funde	112,486.00	112,486.00	0.00	0.00	112,486.00	0.00 %
<u>01-42-5-99-00200-AGM</u>	%WELL/BOOSTER/TANKS RES { OP	108,160.00	108,160.00	0.00	0.00	108,160.00	0.00 %
<b>Program: 42 - ** RESERVE &amp; OTHER FUNDING-OP** Total:</b>		<b>247,686.00</b>	<b>247,686.00</b>	<b>0.00</b>	<b>0.00</b>	<b>247,686.00</b>	<b>0.00 %</b>
<b>Program: 51 - ** BENEFITS ALLOCATED TO DEPTS **</b>							
<u>01-51-5-51-01211-FI</u>	COMPENSATED LEAVE	238,825.00	238,825.00	17,086.21	54,486.46	184,338.54	22.81 %
<u>01-51-5-51-01216-FI</u>	CAFETERIA PLAN EXPENSE	448,800.00	448,800.00	33,504.52	97,755.66	351,044.34	21.78 %
<u>01-51-5-51-01220-FI</u>	GROUP INSURANCE EXPENSE	11,555.00	11,555.00	99.45	3,311.83	8,243.17	28.66 %
<u>01-51-5-51-01225-FI</u>	WORKERS COMPENSATION INSUR	64,927.00	64,927.00	0.00	0.00	64,927.00	0.00 %
<u>01-51-5-51-01230-FI</u>	RETIREMENT: PERS Classic 2%@55	159,588.00	159,588.00	13,230.87	40,356.23	119,231.77	25.29 %
<u>01-51-5-51-01231-FI</u>	RETIREMENT: PERS Tier 2 2%@62	19,802.55	19,802.55	2,743.99	6,560.12	13,242.43	33.13 %
<u>01-51-5-51-01232-FI</u>	RETIREMENT: PERS - TEMP	2,795.95	2,795.95	0.00	0.00	2,795.95	0.00 %
<u>01-51-5-51-01233-FI</u>	RETIREMENT - 457 CONTRIBUTION	15,050.00	15,050.00	380.30	1,120.90	13,929.10	7.45 %
<u>01-51-5-51-01305-FI</u>	PAYROLL TAXES	143,276.00	143,276.00	11,129.93	34,497.07	108,778.93	24.08 %
<u>01-51-5-51-98000-FI</u>	ALLOCATED EXPENSES - BENEFITS	-1,104,619.50	-1,104,619.50	-238,088.27	-238,088.27	-866,531.23	21.55 %
<b>Program: 51 - ** BENEFITS ALLOCATED TO DEPTS ** Total:</b>		<b>0.00</b>	<b>0.00</b>	<b>-159,913.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00 %</b>
<b>Program: 52 - ** FIELD ALLOCATED TO DEPTS **</b>							
<u>01-52-5-52-01240-D/P</u>	UNIFORMS (FIELD)	8,800.00	8,800.00	249.60	363.73	8,436.27	4.13 %
<u>01-52-5-52-02206-D/P</u>	SHOP EXPENSE - COMBINED	15,100.00	15,100.00	1,373.01	6,309.64	8,790.36	41.79 %
<u>01-52-5-52-02212-D/P</u>	SMALL TOOLS EXPENSE - COMBINE	10,800.00	10,800.00	1,435.28	2,589.47	8,210.53	23.98 %
<u>01-52-5-52-03205-D/P</u>	TOOL / EQUIP REPAIR	5,000.00	0.00	0.00	1,202.91	-1,202.91	0.00 %
<u>01-52-5-52-03905-D/P</u>	BUILDING REPAIR/MAINT-SHOP/SI	17,900.00	17,900.00	545.92	1,452.67	16,447.33	8.12 %
<u>01-52-5-52-05005-D/P</u>	FUEL-VEHICLES	30,000.00	30,000.00	0.00	5,025.39	24,974.61	16.75 %
<u>01-52-5-52-05010-D/P</u>	AUTO EXPENSE - FIELD	25,000.00	25,000.00	288.76	1,819.48	23,180.52	7.28 %
<u>01-52-5-52-05015-FI</u>	EQUIPMENT CLEARING ACCOUNT	0.00	0.00	-22.50	-299.36	299.36	0.00 %
<u>01-52-5-52-06305-ENG</u>	COMMUNICATIONS	28,308.84	28,308.84	1,253.59	2,507.78	25,801.06	8.86 %
<u>01-52-5-52-07009-D/P</u>	REGULATORY-PERMITS, FEES, CERT	20,000.00	20,000.00	10,748.00	10,748.00	9,252.00	53.74 %
<u>01-52-5-52-98000-FI</u>	ALLOCATED EXPENSES - FIELD	-160,908.84	-160,908.84	-31,719.71	-31,719.71	-129,189.13	19.71 %
<b>Program: 52 - ** FIELD ALLOCATED TO DEPTS ** Total:</b>		<b>0.00</b>	<b>-5,000.00</b>	<b>-15,848.05</b>	<b>0.00</b>	<b>-5,000.00</b>	<b>0.00 %</b>
<b>Program: 53 - ** OFFICE ALLOCATED TO DEPTS **</b>							
<u>01-53-5-53-01405-ALL</u>	TEMPORARY LABOR FEES	20,000.00	20,000.00	3,037.60	13,327.47	6,672.53	66.64 %
<u>01-53-5-53-02105-ALL</u>	OFFICE SUPPLIES & EQUIPMENT	38,740.00	38,740.00	1,488.60	4,471.68	34,268.32	11.54 %
<u>01-53-5-53-02110-AGM</u>	POSTAGE	30,481.00	30,481.00	4,004.60	8,934.35	21,546.65	29.31 %
<u>01-53-5-53-03906-AGM</u>	BUILDING REPAIR/MAINT - OFFICE	20,000.00	20,000.00	602.39	1,612.17	18,387.83	8.06 %
<u>01-53-5-53-04015-AGM</u>	COMPUTER SOFTWARE & SUPPOR	86,995.00	86,995.00	18,835.39	29,080.39	57,914.61	33.43 %
<u>01-53-5-53-05010-AGM</u>	AUTO EXPENSE - OFFICE	5,943.00	5,943.00	71.69	575.45	5,367.55	9.68 %
<u>01-53-5-53-06205-AGM</u>	TELEPHONE AND UTILITIES	64,986.00	64,986.00	5,678.93	16,756.55	48,229.45	25.78 %
<u>01-53-5-53-98000-FI</u>	ALLOCATED EXPENSES - OFFICE	-267,145.00	-267,145.00	-74,758.06	-74,758.06	-192,386.94	27.98 %
<b>Program: 53 - ** OFFICE ALLOCATED TO DEPTS ** Total:</b>		<b>0.00</b>	<b>0.00</b>	<b>-41,038.86</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00 %</b>
<b>Expense Total:</b>		<b>5,935,594.55</b>	<b>5,935,594.55</b>	<b>533,192.03</b>	<b>1,059,592.88</b>	<b>4,876,001.67</b>	<b>17.85 %</b>
<b>Fund: 01 - GENERAL FUND Surplus (Deficit):</b>		<b>-160,295.70</b>	<b>-160,295.70</b>	<b>1,027,420.44</b>	<b>1,267,845.31</b>	<b>1,428,141.01</b>	<b>-790.94 %</b>
<b>Report Surplus (Deficit):</b>		<b>-160,295.70</b>	<b>-160,295.70</b>	<b>1,027,420.44</b>	<b>1,267,845.31</b>	<b>1,428,141.01</b>	<b>-790.94 %</b>

### Fund Summary

Fund	Original Total Budget	Current Total Budget	Period Activity	Fiscal Activity	Variance Favorable (Unfavorable)
01 - GENERAL FUND	-160,295.70	-160,295.70	1,027,420.44	1,267,845.31	1,428,141.01
Report Surplus (Deficit):	-160,295.70	-160,295.70	1,027,420.44	1,267,845.31	1,428,141.01





Property Tax and Assessment Revenues and Collections as of 9/30/17

REPORT OF PRIOR YEAR TAX COLLECTIONS COLLECTED IN FIRST QUARTER

Current year property tax collections don't begin until the second quarter - all YTD collections are prior year  
 Revenues are not recorded as of the first quarter

	2017/2018		2016/2017	
	<u>Revenue</u>	<u>Y-T-D Collections</u> % <u>Collected</u>	<u>Revenue</u>	<u>Y-T-D Collections</u> % <u>Collected</u>
ID#2	0	108	0	725
General District Taxes	0	10,238	0	10,499
CMM Assessment District Prior	0	0	0	0
		17,098		11,657
Standby Assessments Prior	0	0	0	0
		81,526		61,766
TOTAL	0	108,970	0	84,647

General District and Standby Assessments are unrestricted and can be used for any legal purpose.  
 CMM Assessment District funds are legally restricted "pass-through;" we collect funds to pass through to a third party.  
 ID#2 funds are pay-back to the District, after early payoff of the debt 4 years ago; there are no more assessments on the tax rolls.



JOSHUA BASIN WATER DISTRICT

Water Sales Consumption Statistics as of 9/30/17

Consumption - 12 months ending:	CURRENT 9/30/2017	PRIOR 1 9/30/2016	PRIOR 2 9/30/2015
CCF	510,584	519,734	514,660
Gallons	381,916,832	388,761,032	384,965,680
Acre Feet	1,172	1,193	1,181
Change/PY	-1.76% decrease	0.99% increase	
Change 2015 - 2017			-0.79% decrease

*Change does not correlate to conservation mandate.*

CONSUMPTION RANKING - TOP TEN - Quarter Ending 9/30/17

<u>Ranking</u>	<u>Account Name</u>	<u>Consumption (CCF)</u>
1	Joshua Tree Parks & Recreation	5,257
2	Hi Desert Medical Center (hospital)	3,677
3	Quail Springs Village Apartments	3,155
4	Joshua Tree Memorial park	1,736
5	Lazy H Mobilehome Park	1,441
6	Morongo Unified School District	1,433
7	Yucca Trails Apartments	1,116
8	Hi Desert Medical Center (CC)	1,016
9	William Pyle (mobilehome park)	918
10	S. B. County Office	828
		<hr/> 20,577

Breakdown of Top Ten Users by type:

Public agency	7,518
Housing (multi-unit)	6,630
Hospital/Medical	4,693
Commercial	1,736
	<hr/> 20,577



# Water Rate Study

## Revised Financial & Rate Projections

December 13, 2017



**BARTLE WELLS ASSOCIATES**  
INDEPENDENT PUBLIC FINANCE ADVISORS



## Joshua Basin Water District Water Rate Study – Summary of Key Issues

### Background

- JBWD is a community-governed public agency
- JBWD provides water service to a 96-square-mile service area
- Facilities include roughly 310 miles of pipelines, 5 wells, 17 water tanks, 11 booster stations, and a groundwater recharge facility
- Historically, groundwater has been the sole source of water supply
- The groundwater basin is in overdraft with minimal natural recharge
- JBWD recently started importing water from Mojave Water Agency to help recharge the groundwater basin and reduce further depletion
- District serves over 4,500 active accounts, about 94% are single family homes; the District has roughly 1,000 additional inactive accounts

### Rates & Finances

- JBWD is a self-supporting enterprise
  - Rates are the main source of revenue
  - Revenues must be adequate to fund the cost of providing service including long-term operating and capital needs
- After a decade of minimal to no rate increases from 1996-2006, District provided good financial stewardship by implementing gradual rate increases to support financial stability and funding of ongoing capital needs
- Last water rate study completed 2013
  - District adopted 5 years of 7% rate increases
  - *Average annual increase since 2007 is roughly 4.5%*

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>Adopted Rates</b>	6%	6%	6%	6%	0%	0%	0%	7%	7%	7%	7%	7%
<b>Implemented</b>	6%	6%	3%	6%	3%	0%	0%	7%	7%	7%	7%	tbd

- Water rates in lower-middle range compared to other regional agencies
  - Monthly Bill for a typical single family home with use of 9 hcf = \$54.78 and the bill for a lower-use customer with 3 hcf = \$34.78. *(Note: 1 hcf = 100 cubic feet, or about 748 gallons)*
- JBWD currently has healthy fund reserves of roughly \$7.1 million (available), *but is projected to draw down reserves by roughly \$2.5 million in upcoming years to help fund capital improvements*
- JBWD has been successful at obtaining substantial grant funding
  - \$7.2 million grant funding received for recharge project (via DWR, CDPH, MWA grants) plus additional funding received from Mojave Water Agency
  - District pursuing grants and state-subsidized low-interest loans for Chromium 6 project.

## Financial Challenges

- **District facing substantial financial challenges that will require rate increases in upcoming years**
  
- **Infrastructure Repair, Replacement, and Rehabilitation**
  - 175 miles of water pipelines were installed roughly 40 – 70 years ago and will be reaching the end of their useful lives in upcoming years
  - Many old pipelines are inadequately sized & no longer meet modern fire flow requirements
  - Tanks, wells and booster pump stations are aging and also will need rehab or replacement
  - Dudek (JBWD engineering consultant) evaluated the water system and developed a 30-Year Capital Improvement Program that identifies about \$2.5 million in annual funding needs for pipelines, tanks, and booster pump stations
  - Additional ongoing funding needed for equipment/technology/vehicle replacement, a wide range of studies and reports, building improvements, and meter replacements
  - JBWD anticipating an initial program to replace all older meters at a cost of \$2.5 million over 5 years; subsequently would prefer to have an annual set-aside for future replacements
  
- **Long-Term Water Supply**
  - Groundwater provides 100% of District supply
  - Long-term problem: water demand is higher than natural recharge, resulting in a gradual decline in groundwater levels
  - 71-mile Morongo Pipeline (funded largely by taxpayers) and grant-funded recharge facilities will help replenish aquifer (ultimately may need to import 100% of water supply)
  - Imported water purchased from MWA currently costs \$569 per acre-foot with rates expected to increase 5% per year; costs for Cal Water Fix to be funded via MWA property taxes
  - Total water sales down from about 1,650 acre-feet to 1,200 acre-feet per year
  - The cost of 1,000 AF is about \$570,000 per year (JBWD purchased about 500 AF last year)
  
- **Chromium 6 Treatment**
  - Chromium 6 in local groundwater slightly exceed State's new stringent standards
    - Federal standard is 100 ppb (parts per billion), California's prior standard was 50 ppb but was revised to 10 ppb in recent years
  - JBWD awarded \$2 million, 5-year, 0% SRF Planning Loan with \$500,000 grant component
  - JBWD preliminary engineering cost estimates for construction and operation
    - Infrastructure/equipment: \$14 million (potential for SRF grant funding)
    - Annual operating costs: Latest estimate = \$632,000 (current \$)
  - Requirement to achieve compliance by 2020 has been deferred
    - In May 2017, Court struck down California's new 10 ppb standard since it failed to properly consider economic feasibility
    - Chromium 6 funding needs are being deferred
    - Rate recommendations for next 5 years do not provide funding for Chromium 6 project, but will put JBWD in stronger financial position

### ➤ Ongoing Operating Cost Inflation

- JBWD faces ongoing cost increases for everything from insurance to electricity to staffing, etc.
- CalPERS funding requirements are increasing
- Cost inflation for utilities tends to be higher than CPI for consumers
  - Utilities are capital & labor-intensive industries
- Small annual rate increases needed just to keep up with operating cost inflation, in addition to rate increases needed to generate funding for capital improvements, meter replacements, and other funding needs

### Financial Projections & Preliminary Scenarios

#### ➤ BWA developed 10-year financial projections to evaluate annual revenue requirements and project rate increases

#### ➤ Basic Assumptions:

- Based on 2017/18 Budget
- Operating cost inflation projected at 4% per year
- Growth projected at 10 new single family homes or equivalents per year over next 5 years
- Water sales projected to decline by 2% for each 10% of rate increases (-0.2 elasticity), with higher percentage decreases in water use in higher rate tiers, which pay higher rates
- Recharge water purchases from MWA vary as shown for each financial scenario with a target of purchasing 1,000 acre-feet within 5 years. The Best Management Practice Scenario includes the full 1,000 acre-feet starting next year. The Phased Approach Scenario phases in to 1,000 acre-feet within the next 5 years.
- Meter Replacement Program includes \$500,000 of annual expenditures for the next 5 years to replace the District's old and aging meters.
- Capital improvement funding increases to \$1 million per year for the next 5 years in the Phased Approach Scenario. After 5 years, the amount immediately increases to \$1.5 million when the Meter Replacement Program is complete, and then escalates to \$2.5 million (plus some additional funding to account for cost inflation). The Best Management Practice Scenario includes \$2.5 million per year for capital improvement funding over the next 5 years.
- Annual Project Funding projected at \$250,000 per year for other ongoing non-operating expenses including equipment, technology, vehicles, building improvements, and miscellaneous studies and reports.
- Chromium 6 treatment program costs
  - Planning and design: some initial costs have already been funded; projections include an additional approximately \$1.7 million in 2020/21 which will be funded by an SRF Planning Loan and ultimately rolled into a future SRF construction loan
  - Capital facilities & equipment: \$14 million, assumes construction costs would be funded by SRF with \$10 million principal forgiveness (grant) and \$4 million 30-year loan
  - Annual Chromium 6 operating expenses: \$632,000 in current dollars or about \$800,000 when facility is estimated to come online on January 1, 2023.

- **Financial Scenarios:** Preliminary draft financial and rate projections were developed for 3 draft financial scenarios. A summary of each scenario, key financial assumptions, and rate impacts are included on the first attached table. Subsequent tables show detailed projections for each draft scenario.
  - Scenario 1 – Best Management Practice with Deferred Chromium 6 Treatment
  - Scenario 2 – Phased Approach with Deferred Chromium 6 Treatment
  - Scenario 3 – Use of \$5 Million of Debt to Front-Load Additional Capital Improvements

### Rate Projections

- Draft financial projections show need for substantial rate increases over the next 5 years.
- Lower rate increases in near term results in higher rate increases in longer term and vice versa
- Currently assuming 5 years of rate increases would be adopted via the Proposition 218 process
- Draft rate projections for each scenario are included in the attached tables
- Rate increases support potential use of limited debt financing, if desired, to help front-load additional capital improvement funding coupled with longer-term debt service payments

### Water Rate Structure

- Water rates include 2 components
  - Basic Monthly Fee: Fixed meter charge based on meter size (currently 46% of rate revenues)
    - Higher charges for larger meters based on increased capacity needs in water system
  - Water Consumption Charge: Billed based on metered water use (54% of rate revenues)
    - Smallest meters (3/4" & 1") serve mostly single family homes and pay according to a 4-tier rate structure (4<sup>th</sup> tier was added based on input from the CAC in a prior study)
    - All others accounts with larger meters pay a uniform charge for all water use (roughly equal to the weighted average of the tiered rates)
- Rate structure needs to comply with substantive requirements of Proposition 218

### Rate Structure Modifications

- Revised tables assume some modifications to rate structure
  - Fixed rate revenue recovery reset to 40% of total rate revenues in line with prior target
    - Results in a little less rate increases to fixed charges and more increases to water consumption charges)
  - Gradually increase tier steepness
    - Less increases to lowest tiers & more increases to higher tiers

*Note: Rates must comply with the substantive provisions of Proposition 218 and reasonably reflect the cost of providing service to all customers.*

## Project Schedule

- Oct-18 Presented preliminary findings to CAC and Board, and received initial input
- Nov-1 Presented draft finding and alternatives to CAC and Board, and received input
- Nov-14/15 Presented revised finding and preliminary alternatives to CAC and Board, and received additional input
- Dec-6 Present draft recommendations to CAC and Board, and receive additional input
- Dec-20 Receive Board direction to move forward with the Proposition 218 process including:  
a) rates to include in the Prop 218 Notices, and b) establish date of a Public Hearing
- Dec *td* Draft and mail Prop 218 notices. *Notices must be mailed by January 5 for a Public Hearing on February 21.*
- Feb 21 *td* Public Hearing on the proposed rates (at least 45 days after mailing Prop 218 notices)
- Mar-1 Target date for new rates to become effective (January 1 in subsequent years)

## Fund Reserve Policy & Targets

- JBWD can adopt a flexible fund reserve target policy to support prudent financial management
- Fund reserves help mitigate financial risk and provide flexibility for responding to financial challenges
- Goal: identify target levels of fund reserves to maintain to provide a financial cushion for dealing with unanticipated fluctuations in revenues and/or expenses and emergencies
- Preliminary ideas for a minimum fund reserve target:
  - Operating & Rate Stabilization Reserves: 6 months of operating & debt service expenses
  - Emergency Capital Reserves: \$1 million
  - JBWD can also maintain other reserves that may not have target funding levels, such as
    - Opportunity Reserve
    - Restricted reserves for customer/project deposits, water & wastewater capacity charges, Copper Mountain Mesa Assessment District
  - In addition, JBWD can separately establish target levels for average annual funding needs for various ongoing expenses
    - Equipment/technology/vehicles
    - Studies & reports
    - Building improvements
    - Meter replacements

## Debt Management Policy

- Pursuant to new requirements of California Government Code 8855, agencies must adopt a debt management policy prior to issuing future debt
- Policy must address a handful of issues (e.g. purposes for which debt may be used, policy goals, internal procedures, etc.)
- BWA recommends JBWD adopt a Debt Management Policy as part of the rate study process



Scenario 1: Best Management Practice, Deferred Cr-6					
	2017/18	2018/19	2019/20	2020/21	2021/22
<b>Key Assumptions</b>					
Capital Improvement Projects	\$700,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000
Meter Replacement Program	\$0	\$500,000	\$500,000	\$500,000	\$500,000
Annual Project Funding	\$237,000	\$250,000	\$250,000	\$250,000	\$250,000
Recharge Water Purchases	\$287,000	\$597,000	\$627,000	\$658,000	\$691,000
Recharge (Acre-Feet)	500	1,000	1,000	1,000	1,000
<b>Rate Increases</b>					
Effective Date of Rate Increase	Mar-1	Jan-1	Jan-1	Jan-1	Jan-1
Rate Revenue Increase %	40%	30%	20%	10%	5%
Cumulative Increase %		82%	118%	140%	152%
<b>Bill Impacts</b>					
Low Use (3 hcf)	\$34.78	\$44.69	\$57.39	\$68.38	\$78.53
Median Use (6 hcf)	44.28	59.19	76.91	92.37	106.75
Typical Residential Bill (9 hcf)	54.78	75.69	99.11	119.64	138.85
Higher Use (20 hcf)	98.28	146.19	194.01	236.23	276.05

Scenarios 2: Phased Approach, Deferred Cr-6					
	2017/18	2018/19	2019/20	2020/21	2021/22
<b>Key Assumptions</b>					
Capital Improvement Projects	\$700,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
Meter Replacement Program	\$0	\$500,000	\$500,000	\$500,000	\$500,000
Annual Project Funding	\$237,000	\$250,000	\$250,000	\$250,000	\$250,000
Recharge Water Purchases	\$287,000	\$418,000	\$502,000	\$592,000	\$691,000
Recharge (Acre-Feet)	500	700	800	900	1,000
<b>Rate Increases</b>					
Effective Date of Rate Increase	Mar-1	Jan-1	Jan-1	Jan-1	Jan-1
Rate Revenue Increase %	18%	16%	14%	12%	10%
Cumulative Increase %		37%	56%	75%	92%
<b>Bill Impacts</b>					
Low Use (3 hcf)	\$34.78	\$38.06	\$43.90	\$49.58	\$55.13
Median Use (6 hcf)	44.28	49.86	58.00	65.83	73.53
Typical Residential Bill (9 hcf)	54.78	63.06	73.90	84.28	94.53
Higher Use (20 hcf)	98.28	118.46	141.20	162.93	184.53

Scenario 3: \$5.0 Million Debt for High-Priority Capital Improvements					
	2017/18	2018/19	2019/20	2020/21	2021/22
<b>Key Assumptions</b>					
2018 Debt Funding for Capital Projects	\$700,000	\$5,000,000	\$0	\$1,000,000	\$1,000,000
Meter Replacement Program	\$0	\$500,000	\$500,000	\$500,000	\$500,000
Annual Project Funding	\$237,000	\$250,000	\$250,000	\$250,000	\$250,000
Recharge Water Purchases	\$287,000	\$418,000	\$502,000	\$592,000	\$691,000
Recharge (Acre-Feet)	500	700	800	900	1,000
New Debt Service	\$0	\$325,000	\$325,000	\$325,000	\$325,000
<b>Rate Increases</b>					
Effective Date of Rate Increase	Mar-1	Jan-1	Jan-1	Jan-1	Jan-1
Rate Revenue Increase %	18%	16%	14%	12%	10%
Cumulative Increase %		37%	56%	75%	92%
<b>Bill Impacts</b>					
Low Use (3 hcf)	\$34.78	\$38.06	\$43.90	\$49.58	\$55.13
Median Use (6 hcf)	44.28	49.86	58.00	65.83	73.53
Typical Residential Bill (9 hcf)	54.78	63.06	73.90	84.28	94.53
Higher Use (20 hcf)	98.28	118.46	141.20	162.93	184.53

## Summary of Preliminary Draft Financial Scenarios

	First 5 Years					Future Projections (to be re-evaluated in future years)				
	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27
<b>Scenario 1: Best Management Practice, Deferred Cr-6</b>										
<b>Key Assumptions</b>										
Capital Improvement Projects	\$700,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,600,000	\$2,700,000	\$2,800,000	\$2,900,000
Meter Replacement Program	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$0	\$0	\$0	\$0
Annual Project Funding	\$237,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$258,000	\$266,000	\$274,000	\$282,000
Recharge Water Purchases	\$287,000	\$597,000	\$627,000	\$658,000	\$691,000	\$726,000	\$762,000	\$800,000	\$840,000	\$882,000
Recharge (Acre-Feet)	500	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Chrome 6 Operating Costs	\$0	\$0	\$0	\$0	\$0	\$500,000	\$800,000	\$832,000	\$865,000	\$900,000
Chrome 6 Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$275,000	\$275,000	\$275,000	\$275,000
<b>Rate Increases &amp; Bill Impacts</b>										
Effective Date of Rate Increase	Mar-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1
Rate Revenue Increase %	40%	30%	20%	10%	5%	8%	8%	4%	4%	4%
Cumulative Increase %		82%	118%	140%	152%	172%	194%	206%	218%	231%
<b>Scenario 2: Phased Approach, Deferred Cr-6</b>										
<b>Key Assumptions</b>										
Capital Improvement Projects	\$700,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,500,000	\$2,000,000	\$2,400,000	\$2,700,000
Meter Replacement Program	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$0	\$0	\$0	\$0
Annual Project Funding	\$237,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$258,000	\$266,000	\$274,000	\$282,000
Recharge Water Purchases	\$287,000	\$418,000	\$502,000	\$592,000	\$691,000	\$726,000	\$762,000	\$800,000	\$840,000	\$882,000
Recharge (Acre-Feet)	500	700	800	900	1,000	1,000	1,000	1,000	1,000	1,000
Chrome 6 Operating Costs	\$0	\$0	\$0	\$0	\$0	\$400,000	\$800,000	\$832,000	\$865,000	\$900,000
Chrome 6 Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$275,000	\$275,000	\$275,000	\$275,000
<b>Rate Increases &amp; Bill Impacts</b>										
Effective Date of Rate Increase	Mar-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1
Rate Revenue Increase %	18%	16%	14%	12%	10%	16%	14%	12%	6%	6%
Cumulative Increase %		37%	56%	75%	92%	123%	154%	185%	202%	220%
<b>Scenario 3: \$5.0 Million Debt for High-Priority Capital Improvements</b>										
<b>Key Assumptions</b>										
Capital Improvement Projects	\$700,000	\$5,000,000	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,200,000	\$1,700,000	\$2,200,000	\$2,500,000
Meter Replacement Program	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$0	\$0	\$0	\$0
Annual Project Funding	\$237,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$258,000	\$266,000	\$274,000	\$282,000
Recharge Water Purchases	\$287,000	\$418,000	\$502,000	\$592,000	\$691,000	\$726,000	\$762,000	\$800,000	\$840,000	\$882,000
Recharge (Acre-Feet)	500	700	800	900	1,000	1,000	1,000	1,000	1,000	1,000
Chrome 6 Operating Costs	\$0	\$0	\$0	\$0	\$0	\$500,000	\$800,000	\$832,000	\$865,000	\$900,000
Chrome 6 Debt Service	\$0	\$0	\$0	\$0	\$0	\$0	\$275,000	\$275,000	\$275,000	\$275,000
New Debt Service	\$0	\$325,000	\$325,000	\$325,000	\$325,000	\$325,000	\$325,000	\$325,000	\$325,000	\$325,000
<b>Rate Increases &amp; Bill Impacts</b>										
Effective Date of Rate Increase	Mar-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1
Rate Revenue Increase %	18%	16%	14%	12%	10%	16%	14%	12%	6%	6%
Cumulative Increase %		37%	56%	75%	92%	123%	154%	185%	202%	220%

# **Joshua Basin Water District**

## **Financial & Rate Projections**

### Scenario 1

**Best Management Practice  
With Deferred Chrome 6 Treatment  
No Debt  
40% Fixed Rate Revenue Recovery  
Steeper Water Rate Tiers**

<b>Table 1A</b>		<b>Cash Flow Projections: Best Management Practice</b>				<b>Years 0 - 5</b>
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
	<b>Projected 2017/18</b>	<b>Projected 2018/19</b>	<b>Projected 2019/20</b>	<b>Projected 2020/21</b>	<b>Projected 2021/22</b>	
1	Effective Date of Rate Adjustment	Mar-1	Jan-1	Jan-1	Jan-1	Jan-1
2	Rate Revenue Adjustment %	40%	30%	20%	10%	5%
4	Growth: New EDUs	10	10	10	10	10
5	Growth in Billable EDUs %	0.2%	0.2%	0.2%	0.2%	0.2%
6	Wtr Demand Elasticity (Response to Rate Incr)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)
7	Change in Water Use After Rate Increase	-8.0%	-6.0%	-4.0%	-2.0%	-1.0%
8	Water Purchases from MWA (AF)	500	1,000	1,000	1,000	1,000
9	MWA Rate per AF	\$569	\$597	\$627	\$658	\$691
10	Interest Earnings Rate	1.0%	1.5%	2.0%	2.0%	2.0%
11	Annual Cost Escalator		4.0%	4.0%	4.0%	4.0%
12	<b>Beginning Fund Reserves</b>	\$7,151,000	\$6,910,000	\$5,203,000	\$4,440,000	\$4,299,000
13	<b>REVENUES</b>					
14	Basic Monthly Fees	1,770,000	2,404,000	2,996,000	3,439,000	3,700,000
15	Water Usage Charges	2,038,000	2,618,000	3,108,000	3,469,000	3,677,000
16	Locked Meter Charges	303,000	363,000	440,000	496,000	528,000
17	Standby Revenue	1,140,000	1,139,000	1,138,000	1,137,000	1,136,000
18	Property Taxes	428,000	437,000	446,000	455,000	464,000
19	Private Fire Svc & Special Services	137,000	140,000	143,000	146,000	149,000
20	Water Capacity & Meter Install Fees	53,000	53,000	54,000	55,000	56,000
21	Interest Earnings	50,000	104,000	104,000	89,000	86,000
22	HDMC WWTP Reimbs (+22%)	200,000	207,000	216,000	224,000	233,000
23	Other Revenues	12,000	20,000	20,000	20,000	20,000
24	<b>Total Revenues</b>	<b>6,131,000</b>	<b>7,485,000</b>	<b>8,665,000</b>	<b>9,530,000</b>	<b>10,049,000</b>
25	SRF Grants	100,000			200,000	10,000,000
26	SRF Loans				1,510,000	
27	Debt Proceeds					
28	<b>EXPENSES</b>					
29	<b>Operating &amp; Maintenance</b>					
30	Production	1,324,000	1,377,000	1,432,000	1,489,000	1,549,000
31	Recharge Water Purchases from MWA	287,000	597,000	627,000	658,000	691,000
32	Distribution	1,000,000	1,040,000	1,082,000	1,125,000	1,170,000
33	Customer Service	489,000	509,000	529,000	550,000	572,000
34	Administration	1,048,000	1,090,000	1,134,000	1,179,000	1,226,000
35	Engineering	237,000	246,000	256,000	266,000	277,000
36	Finance	533,000	554,000	576,000	599,000	623,000
37	Personnel & Legal	134,000	139,000	145,000	151,000	157,000
38	HDMC WWTP Operations (reimbursable)	163,000	170,000	177,000	184,000	191,000
39	Chrome 6 Operations	0	0	0	0	0
40	<b>Subtotal</b>	<b>5,215,000</b>	<b>5,722,000</b>	<b>5,958,000</b>	<b>6,201,000</b>	<b>6,456,000</b>
41	<b>Debt Service</b>					
43	Future Chrome 6 SRF Loan Repayment	-	-	-	-	-
44	<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
45	<b>Capital/Non-Operating</b>					
46	Capital Improvements	700,000	2,500,000	2,500,000	2,500,000	2,500,000
47	Meter Replacement Program	0	500,000	500,000	500,000	500,000
48	Annual Project Funding	237,000	250,000	250,000	250,000	250,000
49	Chromium 6 Project (grant & loan funded)	100,000	0	0	1,710,000	10,000,000
50	Morongo Basin Pipeline Debt Reimbs	220,000	220,000	220,000	220,000	0
51	<b>Subtotal</b>	<b>1,257,000</b>	<b>3,470,000</b>	<b>3,470,000</b>	<b>5,180,000</b>	<b>13,250,000</b>
52	<b>Total Expenses</b>	<b>6,472,000</b>	<b>9,192,000</b>	<b>9,428,000</b>	<b>11,381,000</b>	<b>19,706,000</b>
53	<b>Revenues Less Expenses</b>	<b>(241,000)</b>	<b>(1,707,000)</b>	<b>(763,000)</b>	<b>(141,000)</b>	<b>343,000</b>
54	<b>Ending Fund Reserves</b>	<b>6,910,000</b>	<b>5,203,000</b>	<b>4,440,000</b>	<b>4,299,000</b>	<b>4,642,000</b>
55	Min Fund Rsrv Target (50% O&M + \$1M)	3,607,500	3,861,000	3,979,000	4,100,500	4,228,000
56	Debt Service Coverage	-	-	-	-	-
57	<b>Annual pay-go funding generated for CIP</b>	<b>696,000</b>	<b>1,543,000</b>	<b>2,487,000</b>	<b>3,109,000</b>	<b>3,593,000</b>

Table 1A

## Cash Flow Projections: Best Management Practice

Year 6 - 10

	6	7	8	9	10	Esc
	Projected 2022/23	Projected 2023/24	Projected 2024/25	Projected 2025/26	Projected 2026/27	Factor
1 Effective Date of Rate Adjustment	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	
2 Rate Revenue Adjustment %	8%	8%	4%	4%	4%	
4 Growth: New EDUs	10	10	10	10	10	
5 Growth In Billable EDUs %	0.2%	0.2%	0.2%	0.2%	0.2%	
6 Wtr Demand Elasticity (Response to Rate Incr)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	
7 Change in Annual Water Consumption	-1.6%	-1.6%	-0.8%	-0.8%	-0.8%	
8 Water Purchases from MWA (AF)	1,000	1,000	1,000	1,000	1,000	
9 MWA Rate per AF	\$726	\$762	\$800	\$840	\$882	5.0%
10 Interest Earnings Rate	2.0%	2.0%	2.0%	2.0%	2.0%	
11 Annual Cost Escalator	4.0%	4.0%	4.0%	4.0%	4.0%	
12 Beginning Fund Reserves	\$4,642,000	\$4,716,000	\$4,964,000	\$5,307,000	\$5,594,000	
13 REVENUES						
14 Basic Monthly Fees	3,950,000	4,275,000	4,537,000	4,728,000	4,927,000	
15 Water Usage Charges	3,861,000	4,103,000	4,301,000	4,438,000	4,578,000	
16 Locked Meter Charges	562,000	607,000	643,000	669,000	696,000	
17 Standby Revenue	1,135,000	1,134,000	1,133,000	1,132,000	1,131,000	
18 Property Taxes	473,000	482,000	492,000	502,000	512,000	2.0%
19 Private Fire Svc & Special Services	152,000	155,000	158,000	161,000	164,000	2.0%
20 Water Capacity & Meter Install Fees	57,000	57,000	58,000	59,000	60,000	
21 Interest Earnings	93,000	94,000	99,000	106,000	112,000	
22 HDMC WWTP Reimbs (+22%)	243,000	253,000	262,000	273,000	284,000	
23 Other Revenues	20,000	20,000	20,000	20,000	20,000	
24 Total Revenues	10,546,000	11,180,000	11,703,000	12,088,000	12,484,000	
25 SRF Grants						
26 SRF Planning & Construction Loan	4,000,000					
27 Debt Proceeds						
28 EXPENSES						
29 Operating & Maintenance						
30 Production	1,611,000	1,675,000	1,742,000	1,812,000	1,884,000	
31 Recharge Water Purchases from MWA	726,000	762,000	800,000	840,000	882,000	
32 Distribution	1,217,000	1,266,000	1,317,000	1,370,000	1,425,000	
33 Customer Service	595,000	619,000	644,000	670,000	697,000	
34 Administration	1,275,000	1,326,000	1,379,000	1,434,000	1,491,000	
35 Engineering	288,000	300,000	312,000	324,000	337,000	
36 Finance	648,000	674,000	701,000	729,000	758,000	
37 Personnel & Legal	163,000	170,000	177,000	184,000	191,000	
38 HDMC WWTP Operations (reimbursable)	199,000	207,000	215,000	224,000	233,000	
39 Chrome 6 Operations	500,000	800,000	832,000	865,000	900,000	
40 Subtotal	7,222,000	7,799,000	8,119,000	8,452,000	8,798,000	
41 Debt Service						
43 Future Chrome 6 SRF Loan Repayment	-	275,000	275,000	275,000	275,000	
44 Subtotal	0	275,000	275,000	275,000	275,000	
45 Capital/Non-Operating						
46 Capital Improvements (Pipes/Wells/Boosters)	2,500,000	2,600,000	2,700,000	2,800,000	2,900,000	
47 Meter Replacement Program	500,000	0	0	0	0	
48 Annual Project Funding	250,000	258,000	266,000	274,000	282,000	3.0%
49 Chromium 6 Project (grant & loan funded)	4,000,000	0	0	0	0	
50 Morongo Basin Pipeline Debt Reimbs	0	0	0	0	0	
51 Subtotal	7,250,000	2,858,000	2,966,000	3,074,000	3,182,000	
52 Total Expenses	14,472,000	10,932,000	11,360,000	11,801,000	12,255,000	
53 Revenues Less Expenses	74,000	248,000	343,000	287,000	229,000	
54 Ending Fund Reserves	4,716,000	4,964,000	5,307,000	5,594,000	5,823,000	
55 Min Fund Rsrv Target (50% O&M + Debt + S1M)	4,611,000	5,037,000	5,197,000	5,363,500	5,536,500	
56 Debt Service Coverage	-	12.29	13.03	13.22	13.40	
57 Annual pay-go funding generated for CIP	3,324,000	3,106,000	3,309,000	3,361,000	3,411,000	

Table 2A  
 Joshua Basin Water District  
 Projected Water Rates

Scenario 1  
 Best Management Practice, No Debt  
 40% Fixed Rate Recovery with Steeper Tiers

Effective	Current	Projected Water Rates						
		2018	2019	2020	2021	2022		
<b>BASIC MONTHLY FEE</b>								
<u>Meter Size</u>	<u>Accounts</u>	<u>Capacity</u>	<u>Monthly Rate</u>					
3/4" & 1"	4,503	30 gpm	\$25.78	\$31.19	\$39.21	\$46.03	\$50.07	\$52.25
1-1/2"	28	100 gpm	85.93	103.97	130.70	153.43	166.90	174.17
2"	18	160 gpm	137.49	166.35	209.12	245.49	267.04	278.67
3"	7	300 gpm	257.79	311.90	392.10	460.30	500.70	522.50
<b>MONTHLY WATER FLOW CHARGES</b>								
<b>For 3/4" and 1" Meters</b>			<u>Rate Per Unit (\$/hcf)</u>					
Tier 1	0 - 5 units		\$3.00	\$4.50	\$6.06	\$7.45	\$8.30	\$8.76
Tier 2	5.01 - 10 units		3.50	5.50	7.40	9.09	10.13	10.70
Tier 3	10.01 - 20 units		4.00	6.50	8.75	10.75	11.98	12.65
Tier 4	20.01 + units		4.50	7.50	10.10	12.41	13.82	14.59
<i>1 unit = one hundred cubic feet = 748 gallons</i>								
<b>For 1-1/2", 2" and 3" Meters</b>			<u>Rate Per Unit (\$/hcf)</u>					
Unit rate for all water use			\$3.79	\$5.50	\$7.15	\$8.58	\$9.44	\$9.91
<i>1 unit = one hundred cubic feet = 748 gallons</i>								
<b>PRIVATE FIRE PROTECTION CHARGES</b>								
<u>Svc Size</u>	<u>Accounts</u>	<u>Capacity</u>	<u>Monthly Rate</u>					
2"	1	160 gpm	\$12.62	\$16.64	\$20.91	\$24.55	\$26.70	\$27.87
3"	0	300 gpm	25.25	31.20	39.21	46.03	50.06	52.26
4"	6	500 gpm	50.50	52.00	65.34	76.72	83.44	87.09
6"	4	1,000 gpm	75.76	104.00	130.69	153.44	166.88	174.19
8"	7	1,600 gpm	113.62	166.40	209.10	245.50	267.00	278.70

Scenario 1  
 Best Management Practice, No Debt  
 40% Fixed Rate Recovery with Steeper Tiers

Table 3A  
 Joshua Basin Water District  
 Bill Impacts (3/4" & 1" Meter)

Level of Use	Monthly Use	% of Bills at or Below	Current	Projected Rate Impacts					5-Year Avg Annual Impact
				2018	2019	2020	2021	2022	
LOW	3 hcf	30%	\$34.78	\$57.39	\$68.38	\$74.97	\$78.53	8.75	
			Increase \$	12.70	10.99	6.59	3.56		43.75
MEDIAN	6 hcf	55%	\$44.28	\$76.91	\$92.37	\$101.70	\$106.75	17.7%	
			Increase \$	17.72	15.46	9.33	5.05		62.47
AVERAGE	9 hcf	73%	\$54.78	\$99.11	\$119.64	\$132.09	\$138.85	19.2%	
			Increase \$	23.42	20.53	12.45	6.76		84.07
MOD-HIGH	20 hcf	90%	\$98.28	\$194.01	\$236.23	\$262.02	\$276.05	20.4%	
			Increase \$	47.82	42.22	25.79	14.03		177.77
HIGH	30 hcf	95%	\$188.28	\$396.01	\$484.43	\$538.42	\$567.85	22.9%	
			Increase \$	99.82	88.42	53.99	29.43		379.57
			Increase %	33.7%	22.3%	11.1%	5.5%	201.6%	24.7%

# **Joshua Basin Water District**

## **Financial & Rate Projections**

### Scenario 2

Phased Approach

With Deferred Chrome 6 Treatment

No Debt

40% Fixed Rate Revenue Recovery

Steeper Water Rate Tiers



Table 1B

## Cash Flow Projections: Phased Approach

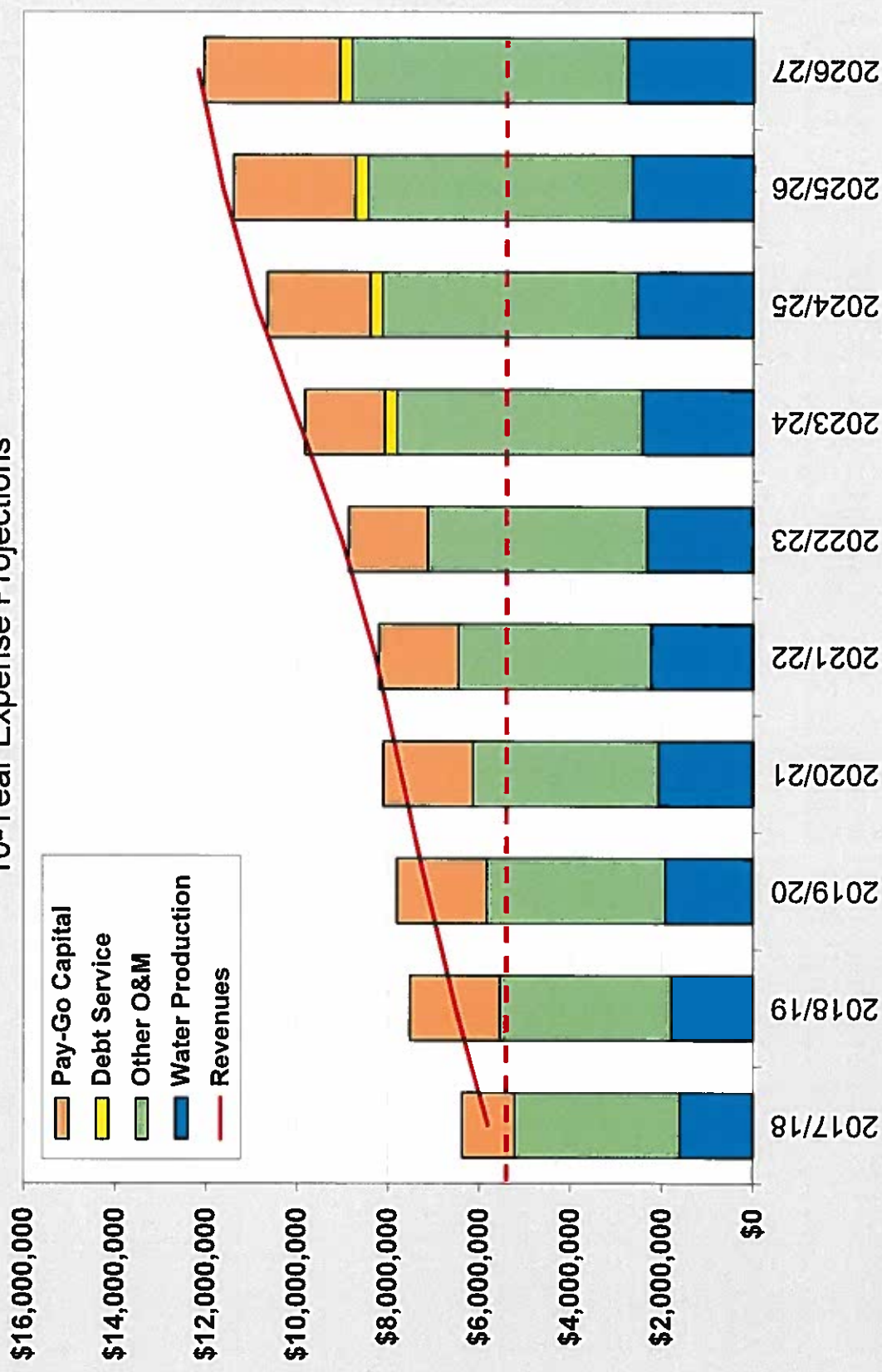
Years 0 - 5

	1	2	3	4	5
	Projected 2017/18	Projected 2018/19	Projected 2019/20	Projected 2020/21	Projected 2021/22
1 Effective Date of Rate Adjustment	Mar-1	Jan-1	Jan-1	Jan-1	Jan-1
2 Rate Revenue Adjustment %	18%	16%	14%	12%	10%
4 Growth: New EDUs	10	10	10	10	10
5 Growth in Billable EDUs %	0.2%	0.2%	0.2%	0.2%	0.2%
6 Wtr Demand Elasticity (Response to Rate Incr)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)
7 Change in Water Use After Rate Increase	-3.6%	-3.2%	-2.8%	-2.4%	-2.0%
8 Water Purchases from MWA (AF)	500	700	800	900	1,000
9 MWA Rate per AF	\$569	\$597	\$627	\$658	\$691
10 Interest Earnings Rate	1.0%	1.5%	2.0%	2.0%	2.0%
11 Annual Cost Escalator		4.0%	4.0%	4.0%	4.0%
12 Beginning Fund Reserves	\$7,151,000	\$6,592,000	\$5,594,000	\$4,923,000	\$4,532,000
13 REVENUES					
14 Basic Monthly Fees	1,606,000	1,903,000	2,192,000	2,480,000	2,757,000
15 Water Usage Charges	1,913,000	2,219,000	2,475,000	2,725,000	2,960,000
16 Locked Meter Charges	274,000	298,000	336,000	374,000	410,000
17 Standby Revenue	1,140,000	1,139,000	1,138,000	1,137,000	1,136,000
18 Property Taxes	428,000	437,000	446,000	455,000	464,000
19 Private Fire Svc & Special Services	137,000	140,000	143,000	146,000	149,000
20 Water Capacity & Meter Install Fees	53,000	53,000	54,000	55,000	56,000
21 Interest Earnings	50,000	99,000	112,000	98,000	91,000
22 HDMC WWTP Reimbs (+22%)	200,000	207,000	216,000	224,000	233,000
23 Other Revenues	12,000	20,000	20,000	20,000	20,000
24 Total Revenues	5,813,000	6,515,000	7,132,000	7,714,000	8,276,000
25 SRF Grants	100,000			200,000	10,000,000
26 SRF Loans				1,510,000	
28 EXPENSES					
29 Operating & Maintenance					
30 Production	1,324,000	1,377,000	1,432,000	1,489,000	1,549,000
31 Recharge Water Purchases from MWA	287,000	418,000	502,000	592,000	691,000
32 Distribution	1,000,000	1,040,000	1,082,000	1,125,000	1,170,000
33 Customer Service	489,000	509,000	529,000	550,000	572,000
34 Administration	1,048,000	1,090,000	1,134,000	1,179,000	1,226,000
35 Engineering	237,000	246,000	256,000	266,000	277,000
36 Finance	533,000	554,000	576,000	599,000	623,000
37 Personnel & Legal	134,000	139,000	145,000	151,000	157,000
38 HDMC WWTP Operations (reimbursable)	163,000	170,000	177,000	184,000	191,000
39 Chrome 6 Operations	0	0	0	0	0
40 Subtotal	5,215,000	5,543,000	5,833,000	6,135,000	6,456,000
41 Debt Service					
42 Debt Service for Capital Improvements	-	-	-	-	-
43 Chrome 6 SRF Loan Repayment	-	-	-	-	-
44 Subtotal	0	0	0	0	0
45 Capital/Non-Operating					
46 Capital Improvements	700,000	1,000,000	1,000,000	1,000,000	1,000,000
47 Meter Replacement Program	0	500,000	500,000	500,000	500,000
48 Annual Project Funding	237,000	250,000	250,000	250,000	250,000
49 Chromium 6 Project (grant & loan funded)	100,000	0	0	1,710,000	10,000,000
50 Morongo Basin Pipeline Debt Reimbs	220,000	220,000	220,000	220,000	0
51 Subtotal	1,257,000	1,970,000	1,970,000	3,680,000	11,750,000
52 Total Expenses	6,472,000	7,513,000	7,803,000	9,815,000	18,206,000
53 Revenues Less Expenses	(559,000)	(998,000)	(671,000)	(391,000)	70,000
54 Ending Fund Reserves	6,592,000	5,594,000	4,923,000	4,532,000	4,602,000
55 Min Fund Rsv Target (50% O&M + \$1M)	3,607,500	3,771,500	3,916,500	4,067,500	4,228,000
56 Debt Service Coverage	-	-	-	-	-
57 Pay-go funding generated for CIP/Other	378,000	752,000	1,079,000	1,359,000	1,820,000

Table 1B		Cash Flow Projections: Phased Approach					Year 6 - 10
		6	7	8	9	10	Esc
		Projected 2022/23	Projected 2023/24	Projected 2024/25	Projected 2025/26	Projected 2026/27	Factor
1	Effective Date of Rate Adjustment	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	
2	Rate Revenue Adjustment %	16%	14%	12%	6%	6%	
4	Growth: New EDUs	10	10	10	10	10	
5	Growth in Billable EDUs %	0.2%	0.2%	0.2%	0.2%	0.2%	
6	Wtr Demand Elasticity (Response to Rate Incr)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	
7	Change in Annual Water Consumption	-3.2%	-2.8%	-2.4%	-1.2%	-1.2%	
8	Water Purchases from MWA (AF)	1,000	1,000	1,000	1,000	1,000	
9	MWA Rate per AF	\$726	\$762	\$800	\$840	\$882	5.0%
10	Interest Earnings Rate	2.0%	2.0%	2.0%	2.0%	2.0%	
11	Annual Cost Escalator	4.0%	4.0%	4.0%	4.0%	4.0%	
12	<b>Beginning Fund Reserves</b>	\$4,602,000	\$4,744,000	\$4,871,000	\$5,102,000	\$5,330,000	
13	<b>REVENUES</b>						
14	Basic Monthly Fees	3,126,000	3,600,000	4,074,000	4,443,000	4,719,000	
15	Water Usage Charges	3,253,000	3,630,000	3,996,000	4,282,000	4,484,000	
16	Locked Meter Charges	463,000	533,000	601,000	655,000	694,000	
17	Standby Revenue	1,135,000	1,134,000	1,133,000	1,132,000	1,131,000	
18	Property Taxes	473,000	482,000	492,000	502,000	512,000	2.0%
19	Private Fire Svc & Special Services	152,000	155,000	158,000	161,000	164,000	2.0%
20	Water Capacity & Meter Install Fees	57,000	57,000	58,000	59,000	60,000	
21	Interest Earnings	92,000	95,000	97,000	102,000	107,000	
22	HDMC WWTP Reimbs (+22%)	243,000	253,000	262,000	273,000	284,000	
23	Other Revenues	20,000	20,000	20,000	20,000	20,000	
24	<b>Total Revenues</b>	<b>9,014,000</b>	<b>9,959,000</b>	<b>10,891,000</b>	<b>11,629,000</b>	<b>12,175,000</b>	
25	Grants						
26	SRF Planning & Construction Loan	4,000,000					
28	<b>EXPENSES</b>						
29	<b>Operating &amp; Maintenance</b>						
30	Production	1,611,000	1,675,000	1,742,000	1,812,000	1,884,000	
31	Recharge Water Purchases from MWA	726,000	762,000	800,000	840,000	882,000	
32	Distribution	1,217,000	1,266,000	1,317,000	1,370,000	1,425,000	
33	Customer Service	595,000	619,000	644,000	670,000	697,000	
34	Administration	1,275,000	1,326,000	1,379,000	1,434,000	1,491,000	
35	Engineering	288,000	300,000	312,000	324,000	337,000	
36	Finance	648,000	674,000	701,000	729,000	758,000	
37	Personnel & Legal	163,000	170,000	177,000	184,000	191,000	
38	HDMC WWTP Operations (reimbursable)	199,000	207,000	215,000	224,000	233,000	
39	Chrome 6 Operations	400,000	800,000	832,000	865,000	900,000	
40	<b>Subtotal</b>	<b>7,122,000</b>	<b>7,799,000</b>	<b>8,119,000</b>	<b>8,452,000</b>	<b>8,798,000</b>	
41	<b>Debt Service</b>						
42	Debt Service for Capital Improvements	-	-	-	-	-	
43	Chrome 6 SRF Loan Repayment	-	275,000	275,000	275,000	275,000	
44	<b>Subtotal</b>	<b>0</b>	<b>275,000</b>	<b>275,000</b>	<b>275,000</b>	<b>275,000</b>	
45	<b>Capital/Non-Operating</b>						
46	Capital Improvements (Pipes/Wells/Boosters)	1,000,000	1,500,000	2,000,000	2,400,000	2,700,000	
47	Meter Replacement Program	500,000	0	0	0	0	
48	Annual Project Funding	250,000	258,000	266,000	274,000	282,000	3.0%
49	Chromium 6 Project (grant & loan funded)	4,000,000	0	0	0	0	
50	Morongo Basin Pipeline Debt Reimbs	0	0	0	0	0	
51	<b>Subtotal</b>	<b>5,750,000</b>	<b>1,758,000</b>	<b>2,266,000</b>	<b>2,674,000</b>	<b>2,982,000</b>	
52	<b>Total Expenses</b>	<b>12,872,000</b>	<b>9,832,000</b>	<b>10,660,000</b>	<b>11,401,000</b>	<b>12,055,000</b>	
53	<b>Revenues Less Expenses</b>	<b>142,000</b>	<b>127,000</b>	<b>231,000</b>	<b>228,000</b>	<b>120,000</b>	
54	<b>Ending Fund Reserves</b>	<b>4,744,000</b>	<b>4,871,000</b>	<b>5,102,000</b>	<b>5,330,000</b>	<b>5,450,000</b>	
55	Min Fund Rsrv Target (50% O&M + \$1M)	4,561,000	4,899,500	5,059,500	5,226,000	5,399,000	
56	Debt Service Coverage	-	7.85	10.08	11.55	12.28	
57	Pay-go funding generated for CIP/Other	1,892,000	1,885,000	2,497,000	2,902,000	3,102,000	

# Joshua Basin Water District 10-Year Expense Projections

Scenario 2  
Phased Approach



Excludes capital projects funded by debt.

**Table 2B**  
**Joshua Basin Water District**  
**Cost Recovery Allocation**

	Year 5 2021/22	Cost Recovery %		Cost Recovery \$	
		Fixed	Variable	Fixed	Variable
<b>EXPENSES</b>					
<b>Operating &amp; Maintenance</b>					
Production	1,549,000	0%	100%	0	1,549,000
Recharge Water Purchases from MWA	691,000	0%	100%	0	691,000
Distribution	1,170,000	0%	100%	0	1,170,000
Customer Service (10% for Conservation Prog)	572,000	90%	10%	514,800	57,200
Administration	1,226,000	100%	0%	1,226,000	0
Engineering	277,000	100%	0%	277,000	0
Finance	623,000	100%	0%	623,000	0
Personnel & Legal	157,000	100%	0%	157,000	0
HDMC WWTP Operations (reimbursable)	191,000	100%	0%	191,000	0
Subtotal	6,456,000	46%	54%	2,988,800	3,467,200
<b>Non-Operating/Discretionary</b>					
Capital Improvements	1,000,000	50%	50%	500,000	500,000
Meter Replacement Program	500,000	100%	0%	500,000	0
Annual Project Funding	250,000	100%	0%	250,000	0
Subtotal	1,750,000	71%	29%	1,250,000	500,000
<b>Total Expenses</b>	<b>8,206,000</b>	<b>52%</b>	<b>48%</b>	<b>4,238,800</b>	<b>3,967,200</b>
<b>NET FUNDING REQUIRED FROM WATER RATES</b>					
Total Expenses	8,206,000	52%	48%	4,238,800	3,967,200
Less Funding Sources Other Than Rates	(2,559,000)	80%	20%	(2,047,200)	(511,800)
Net Funding Requirement from Water Rates	5,647,000	39%	61%	2,191,600	3,455,400
Rounded Target		40%	60%		

*Excludes capital improvement projects funded by grants and debt, but includes associated debt service.*

Table 3B  
 Joshua Basin Water District  
 Fixed Meter Charge Calculation

	Mar-1 2018	Jan-1 2019	Jan-1 2020	Jan-1 2021	Jan-1 2022	
<b>Water Rate Revenue Recovery</b>						
Annualized Revenues w/ Increase	\$3,861,000	\$4,405,000	\$4,951,000	\$5,480,000	\$5,971,000	
<b>Fixed Rate Recovery</b>						
Cost Recovery Allocation %	40%	40%	40%	40%	40%	
Cost Recovery Allocation \$	\$1,544,400	\$1,762,000	\$1,980,400	\$2,192,000	\$2,388,400	
<b>Meter Equivalents</b>						
Existing Meter Equivalents	4,764	4,774	4,784	4,794	4,804	
Projected Growth	<u>10</u>	<u>10</u>	<u>10</u>	<u>10</u>	<u>10</u>	
Total	4,774	4,784	4,794	4,804	4,814	
<b>Rate per Meter Equivalent</b>						
Annual	\$323.53	\$368.34	\$413.13	\$456.32	\$496.18	
Monthly	26.96	30.70	34.43	38.03	41.35	
<b>Projected Fixed Monthly Meter Charges</b>						
<u>Meter Size</u>	<u>Capacity (gpm)</u>					
3/4" & 1"	30	\$26.96	\$30.70	\$34.43	\$38.03	\$41.35
1-1/2"	100	89.87	102.33	114.77	126.77	137.83
2"	160	143.79	163.73	183.63	202.83	220.53
3"	300	269.60	307.00	344.30	380.30	413.50

Table 4B  
 Joshua Basin Water District  
 Projected Water Use

	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22
<b>Projected Water Use</b>						
Change in Use After Rate Increase		-3.6%	-3.2%	-2.8%	-2.4%	-2.0%
<b>Billed Use by Tier for 3/4" &amp; 1" Meters (hcf)</b>						
<i>Includes more reduction in higher tiers, less reduction in lower tiers.</i>						
Tier 1	188,189	186,800	185,600	184,600	183,700	183,000
Tier 2	91,526	86,600	82,400	78,900	76,100	73,800
Tier 3	76,742	71,800	67,700	64,300	61,500	59,300
Tier 4	86,482	79,600	74,000	69,400	65,700	62,800
Subtotal	442,939	424,800	409,700	397,200	387,000	378,900
All Other Use (hcf)	85,275	83,700	82,400	81,200	80,200	79,400
Total (hcf)	528,214	508,500	492,100	478,400	467,200	458,300
Total (acre-feet)	1,213	1,167	1,130	1,098	1,073	1,052
Annual Change		-3.7%	-3.2%	-2.8%	-2.3%	-1.9%
Cumulative Change		-3.7%	-6.8%	-9.4%	-11.6%	-13.2%

Table 5B  
 Joshua Basin Water District  
 Quantity Charge Cost Recovery Allocation

	Projected 2021/22	Fixed Rate Recovery	Quantity Charge Cost Recovery		Extra-Capacity % of Total	
			% of Total	Var % Alloc		
<b>REVENUE REQUIREMENT FROM WATER CONSUMPTION CHARGES</b>						
<b>Production</b>	1,549,000	0%	100%		1,549,000	
<i>Base</i>				100%	1,549,000	
<i>Extra Capacity</i>				0%	0	0.0%
<b>Recharge Water Purchases from MWA</b>	691,000	0%	100%		691,000	
<i>Base</i>				0%	0	
<i>Extra Capacity</i>				100%	691,000	100.0%
<b>Distribution</b>	1,170,000	0%	100%		1,170,000	
<i>Base</i>				100%	1,170,000	
<i>Extra Capacity</i>				0%	0	0.0%
<b>Customer Service</b>	572,000	90%	10%		57,200	
<i>Base</i>				0%	0	
<i>Extra Capacity</i>				100%	57,200	10.0%
<b>Engineering</b>	277,000	100%	0%		0	
<i>Base</i>				100%	0	
<i>Extra Capacity</i>				0%	0	0.0%
<b>Admin/Finance/Pers &amp; Legal/Other</b>	2,197,000	100%	0%		0	
<i>Base</i>				100%	0	
<i>Extra Capacity</i>				0%	0	0.0%
<b>Capital Improvements</b>	1,000,000	50%	50%		500,000	
<i>Base</i>				80%	400,000	
<i>Extra Capacity</i>				20%	100,000	10.0%
<b>Meter Repls/Annual Project Funding</b>	750,000	100%	0%		0	
<i>Base</i>				100%	0	
<i>Extra Capacity</i>				0%	0	0.0%
<b>Total Expenses</b>	8,206,000	52%	48%		3,967,200	
<i>Base</i>				78.6%	3,119,000	
<i>Extra Capacity</i>				21.4%	848,200	10.3%
<b>NET REVENUE RECOVERY FROM WATER CONSUMPTION CHARGES</b>						
<b>Base Costs (Recovered Proportionately from All Water Use)</b>					3,119,000	
<b>Extra Capacity (Allocated for Recovery Based on Extra Capacity Demands)</b>					848,200	
<b>Less Application of Discretionary Revenues</b>					<u>(511,800)</u>	
<b>Total</b>					3,455,400	

Table 6B  
 Joshua Basin Water District  
 Quantity Charge Cost Attribution & Rate Derivation

	3/4" and 1" Meters				
	Tier 1 0 - 5	Tier 2 5.01 - 10	Tier 3 10.01 - 20	Tier 4 20.01+	Subtotal
Water Use (hcf)	183,000	73,800	59,300	62,800	378,900
A) Base Cost Allocation % of Total Use	39.9%	16.1%	12.9%	13.7%	82.7%
B) Extra Capacity Cost Allocation % of Water in Class/Tier for Peak Cost Recovery	20.0%	40.0%	60.0%	90.0%	41.8%
Volume of Water for Peak Cost Recovery	36,600	29,520	35,580	56,520	158,220
% of Total Water for Peak Cost Recovery	21.3%	17.2%	20.7%	32.9%	92.0%
<b>VARIABLE RATE COST RECOVERY</b>					
Base Expenses	1,245,422	502,252	403,571	427,391	
Extra Capacity Expenses	180,514	145,595	175,484	278,761	
Less Application of Base Non-Rate Revenues	(116,516)	(46,989)	(37,756)	(39,985)	
Less Application of Discretionary Revenues	<u>(185,000)</u>	<u>(35,000)</u>		<u>0</u>	
Total	1,124,420	565,859	541,298	666,167	
Water Use (hcf)	183,000	73,800	59,300	62,800	
<b>Quantity Charge Components</b>					
Base Expenses	\$6.81	\$6.81	\$6.81	\$6.81	\$6.81
Extra Capacity Expenses	0.99	1.97	2.96	4.44	
Offset for Revenue Offset	(0.64)	(0.64)	(0.64)	(0.64)	
Offset for Application of Discretionary Revenues	<u>(1.01)</u>	<u>(0.47)</u>	<u>0.00</u>	<u>0.00</u>	
Total Charge per hcf	6.14	7.67	9.13	10.61	
Rounded	6.20	7.70	9.20	10.70	



Table 7B  
 Joshua Basin Water District  
 Projected Water Rates

Scenario 2  
 Phased Approach, No Debt  
 40% Fixed Rate Recovery with Steeper Tiers

Effective	Current	Projected Water Rates						
		2018	2019	2020	2021	2022		
<b>BASIC MONTHLY FEE</b>								
<u>Meter Size</u>	<u>Accounts</u>	<u>Capacity</u>	<u>Monthly Rate</u>					
3/4" & 1"	4,503	30 gpm	\$25.78	\$26.96	\$30.70	\$34.43	\$38.03	\$41.35
1-1/2"	28	100 gpm	85.93	89.87	102.33	114.77	126.77	137.83
2"	18	160 gpm	137.49	143.79	163.73	183.63	202.83	220.53
3"	7	300 gpm	257.79	269.60	307.00	344.30	380.30	413.50
<b>MONTHLY WATER FLOW CHARGES</b>								
<b>For 3/4" and 1" Meters</b>			<u>Rate Per Unit (\$/hcf)</u>					
Tier 1	0 - 5 units		\$3.00	\$3.70	\$4.40	\$5.05	\$5.70	\$6.20
Tier 2	5.01 - 10 units		3.50	4.40	5.30	6.15	7.00	7.70
Tier 3	10.01 - 20 units		4.00	5.10	6.20	7.25	8.30	9.20
Tier 4	20.01 + units		4.50	5.80	7.10	8.35	9.60	10.70
<i>1 unit = one hundred cubic feet = 748 gallons</i>								
<b>For 1-1/2", 2" and 3" Meters</b>			<u>Rate Per Unit (\$/hcf)</u>					
Unit rate for all water use			\$3.79	\$4.60	\$5.40	\$6.20	\$7.00	\$7.70
<i>1 unit = one hundred cubic feet = 748 gallons</i>								
<b>PRIVATE FIRE PROTECTION CHARGES</b>								
<u>Svc Size</u>	<u>Accounts</u>	<u>Capacity</u>	<u>Monthly Rate</u>					
2"	1	160 gpm	\$12.62	\$14.38	\$16.37	\$18.36	\$20.28	\$22.05
3"	0	300 gpm	25.25	26.96	30.69	34.43	38.03	41.34
4"	6	500 gpm	50.50	44.94	51.16	57.38	63.38	68.91
6"	4	1,000 gpm	75.76	89.88	102.31	114.75	126.75	137.81
8"	7	1,600 gpm	113.62	143.80	163.70	183.60	202.80	220.50

Scenario 2  
 Phased Approach, No Debt  
 40% Fixed Rate Recovery with Steeper Tiers

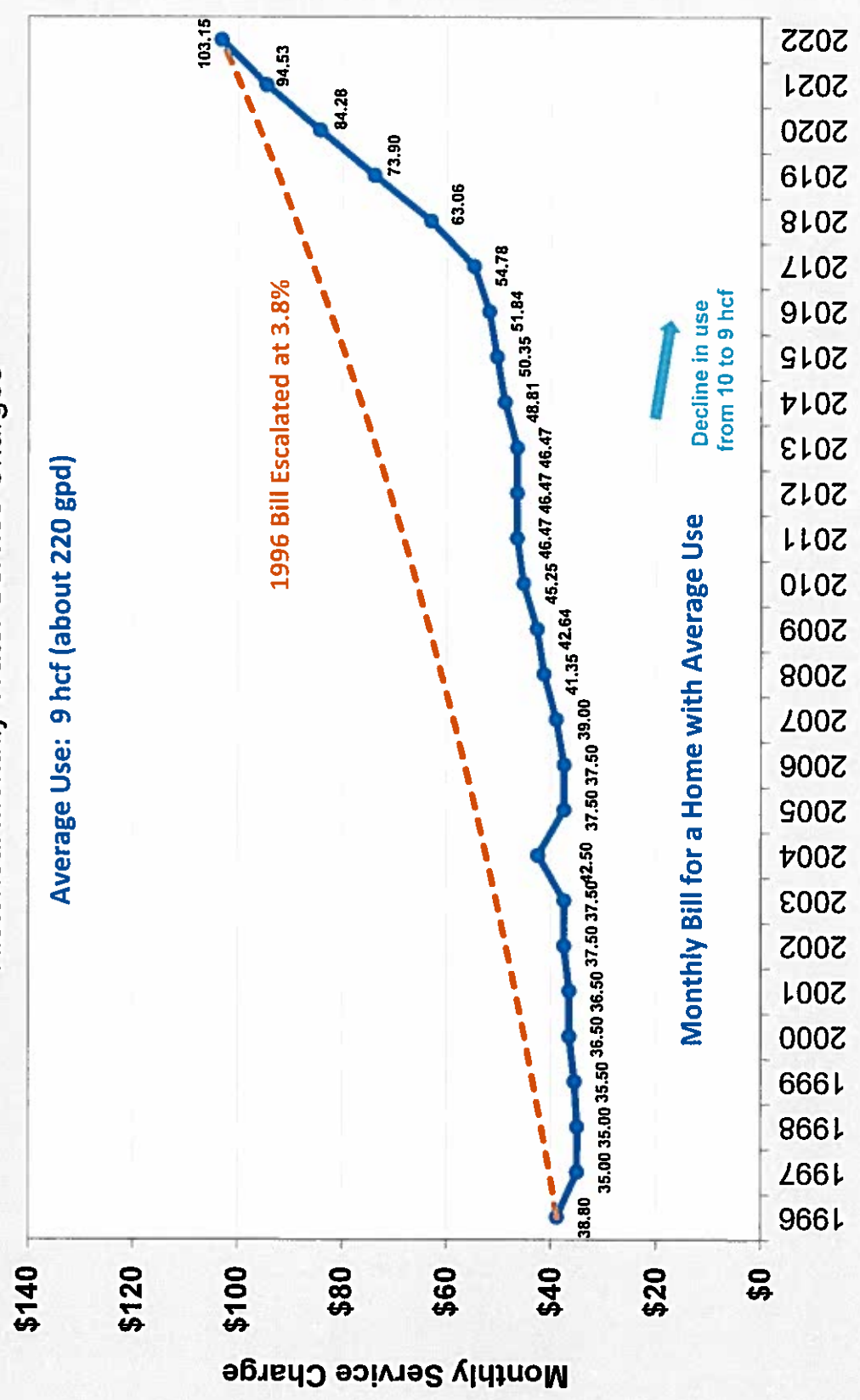
Table 8B  
 Joshua Basin Water District  
 Bill Impacts (3/4" & 1" Meter)

Level of Use	Monthly Use	% of Bills at or Below	Current	Projected Rate Impacts					5-Year Avg Annual	
				2018	2019	2020	2021	2022	Impact	Impact
LOW	3 hcf	30%	\$34.78 Increase \$ Increase %	\$38.06 3.28 9.4%	\$43.90 5.84 15.3%	\$49.58 5.68 12.9%	\$55.13 5.55 11.2%	\$59.95 4.82 8.7%	25.17 72.4%	5.03 11.5%
MEDIAN	6 hcf	55%	\$44.28 Increase \$ Increase %	\$49.86 5.58 12.6%	\$58.00 8.14 16.3%	\$65.83 7.83 13.5%	\$73.53 7.70 11.7%	\$80.05 6.52 8.9%	35.77 80.8%	7.15 12.6%
AVERAGE	9 hcf	73%	\$54.78 Increase \$ Increase %	\$63.06 8.28 15.1%	\$73.90 10.84 17.2%	\$84.28 10.38 14.0%	\$94.53 10.25 12.2%	\$103.15 8.62 9.1%	48.37 88.3%	9.67 13.5%
MOD-HIGH	20 hcf	90%	\$98.28 Increase \$ Increase %	\$118.46 20.18 20.5%	\$141.20 22.74 19.2%	\$162.93 21.73 15.4%	\$184.53 21.60 13.3%	\$202.85 18.32 9.9%	104.57 106.4%	20.91 15.6%
HIGH	30 hcf	95%	\$188.28 Increase \$ Increase %	\$234.46 46.18 24.5%	\$283.20 48.74 20.8%	\$329.93 46.73 16.5%	\$376.53 46.60 14.1%	\$416.85 40.32 10.7%	228.57 121.4%	45.71 17.2%

Note: Impacts shown above assume no additional future conservation, which would result in a reduction in billed water use.

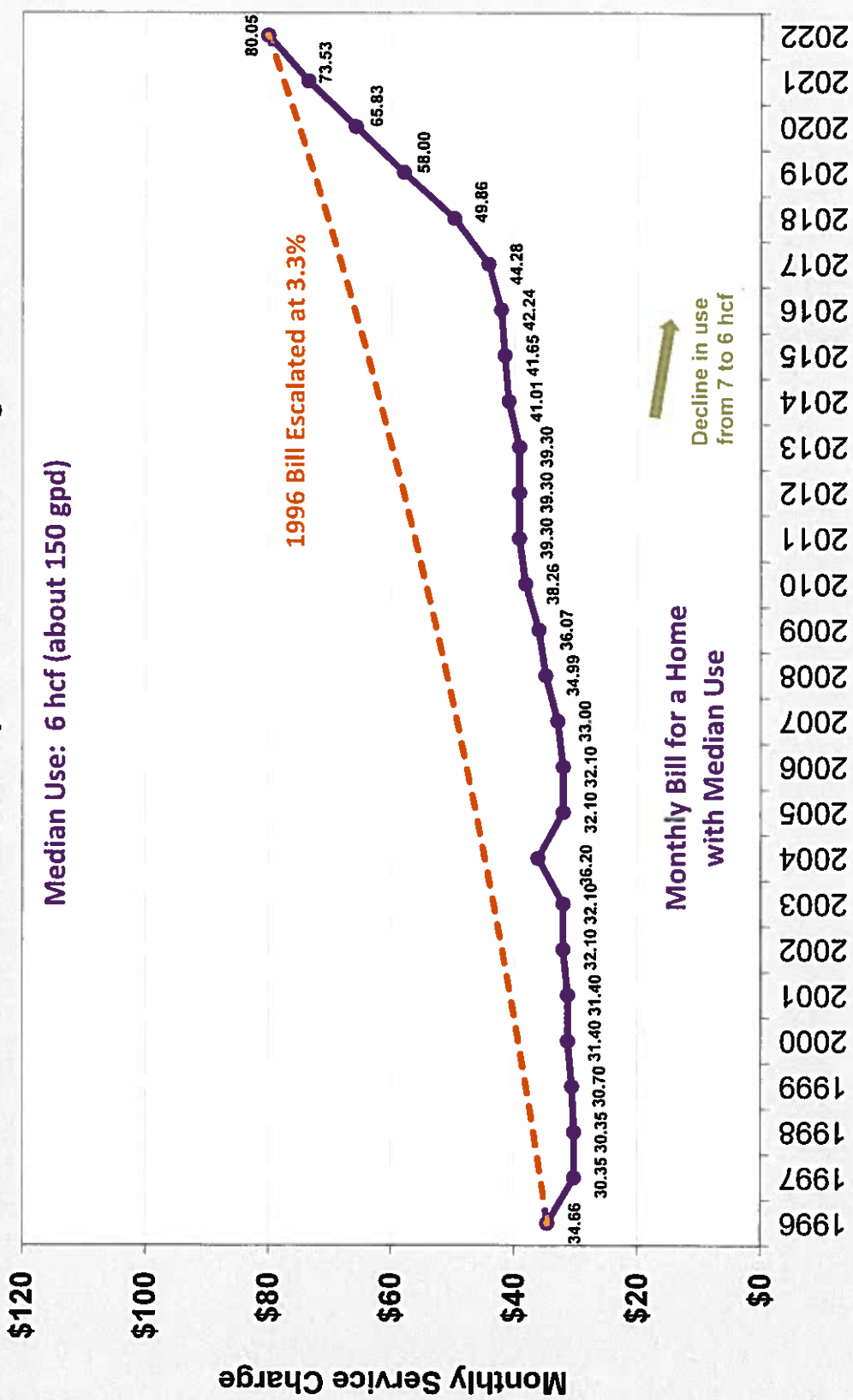
# Joshua Basin Water District

## Historical Monthly Water Service Charges



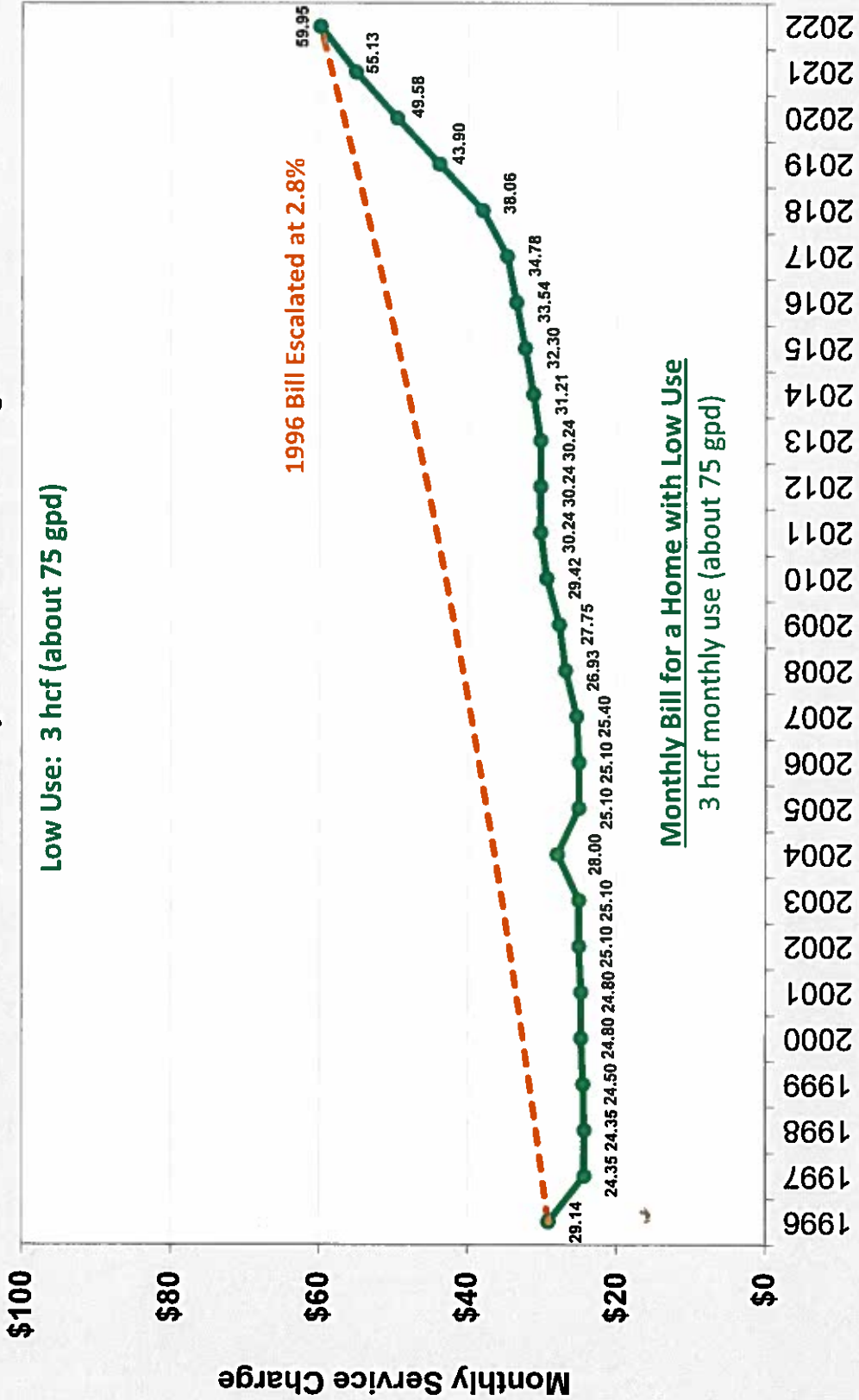
# Joshua Basin Water District

## Historical Monthly Water Service Charges



# Joshua Basin Water District

## Historical Monthly Water Service Charges



# **Joshua Basin Water District**

## **Financial & Rate Projections**

### Scenario 3

**\$5.0 Million Debt for Capital Improvements  
With Deferred Chrome 6 Treatment  
40% Fixed Rate Revenue Recovery  
Steeper Water Rate Tiers**

<b>Table 1C</b>		<b>Cash Flow Projections: With \$5 Million Debt</b>				<b>Years 0 - 5</b>
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
	<b>Projected 2017/18</b>	<b>Projected 2018/19</b>	<b>Projected 2019/20</b>	<b>Projected 2020/21</b>	<b>Projected 2021/22</b>	
1	Effective Date of Rate Adjustment	Mar-1	Jan-1	Jan-1	Jan-1	Jan-1
2	Rate Revenue Adjustment %	18%	16%	14%	12%	10%
4	Growth: New EDUs	10	10	10	10	10
5	Growth in Billable EDUs %	0.2%	0.2%	0.2%	0.2%	0.2%
6	Wtr Demand Elasticity (Response to Rate Incr)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)
7	Change in Water Use After Rate Increase	-3.6%	-3.2%	-2.8%	-2.4%	-2.0%
8	Water Purchases from MWA (AF)	500	700	800	900	1,000
9	MWA Rate per AF	\$569	\$597	\$627	\$658	\$691
10	Interest Earnings Rate	1.0%	1.5%	2.0%	2.0%	2.0%
11	Annual Cost Escalator	4.0%	4.0%	4.0%	4.0%	4.0%
12	<b>Beginning Fund Reserves</b>	\$7,151,000	\$6,592,000	\$6,269,000	\$6,286,000	\$5,598,000
13	<b>REVENUES</b>					
14	Basic Monthly Fees	1,606,000	1,903,000	2,192,000	2,480,000	2,757,000
15	Water Usage Charges	1,913,000	2,219,000	2,475,000	2,725,000	2,960,000
16	Locked Meter Charges	274,000	298,000	336,000	374,000	410,000
17	Standby Revenue	1,140,000	1,139,000	1,138,000	1,137,000	1,136,000
18	Property Taxes	428,000	437,000	446,000	455,000	464,000
19	Private Fire Svc & Special Services	137,000	140,000	143,000	146,000	149,000
20	Water Capacity & Meter Install Fees	53,000	53,000	54,000	55,000	56,000
21	Interest Earnings	50,000	99,000	125,000	126,000	112,000
22	HDMC WWTP Reimbs (+22%)	200,000	207,000	216,000	224,000	233,000
23	Other Revenues	12,000	20,000	20,000	20,000	20,000
24	<b>Total Revenues</b>	<b>5,813,000</b>	<b>6,515,000</b>	<b>7,145,000</b>	<b>7,742,000</b>	<b>8,297,000</b>
25	SRF Grants	100,000			200,000	10,000,000
26	SRF Loans				1,510,000	
27	Debt Proceeds		5,000,000			
28	<b>EXPENSES</b>					
29	<b>Operating &amp; Maintenance</b>					
30	Production	1,324,000	1,377,000	1,432,000	1,489,000	1,549,000
31	Recharge Water Purchases from MWA	287,000	418,000	502,000	592,000	691,000
32	Distribution	1,000,000	1,040,000	1,082,000	1,125,000	1,170,000
33	Customer Service	489,000	509,000	529,000	550,000	572,000
34	Administration	1,048,000	1,090,000	1,134,000	1,179,000	1,226,000
35	Engineering	237,000	246,000	256,000	266,000	277,000
36	Finance	533,000	554,000	576,000	599,000	623,000
37	Personnel & Legal	134,000	139,000	145,000	151,000	157,000
38	HDMC WWTP Operations (reimburseable)	163,000	170,000	177,000	184,000	191,000
39	Chrome 6 Operations	0	0	0	0	0
40	<b>Subtotal</b>	<b>5,215,000</b>	<b>5,543,000</b>	<b>5,833,000</b>	<b>6,135,000</b>	<b>6,456,000</b>
41	<b>Debt Service</b>					
42	Projected Debt Service	-	325,000	325,000	325,000	325,000
43	Chrome 6 SRF Loan Repayment	-	-	-	-	-
44	<b>Subtotal</b>	<b>0</b>	<b>325,000</b>	<b>325,000</b>	<b>325,000</b>	<b>325,000</b>
45	<b>Capital/Non-Operating</b>					
46	Capital Improvements	700,000	5,000,000	0	1,000,000	1,000,000
47	Meter Replacement Program	0	500,000	500,000	500,000	500,000
48	Annual Project Funding	237,000	250,000	250,000	250,000	250,000
49	Chromium 6 Project (grant & loan funded)	100,000	0	0	1,710,000	10,000,000
50	Morongo Basin Pipeline Debt Reimbs	220,000	220,000	220,000	220,000	0
51	<b>Subtotal</b>	<b>1,257,000</b>	<b>5,970,000</b>	<b>970,000</b>	<b>3,680,000</b>	<b>11,750,000</b>
52	<b>Total Expenses</b>	<b>6,472,000</b>	<b>11,838,000</b>	<b>7,128,000</b>	<b>10,140,000</b>	<b>18,531,000</b>
53	<b>Revenues Less Expenses</b>	<b>(559,000)</b>	<b>(323,000)</b>	<b>17,000</b>	<b>(688,000)</b>	<b>(234,000)</b>
54	<b>Ending Fund Reserves</b>	<b>6,592,000</b>	<b>6,269,000</b>	<b>6,286,000</b>	<b>5,598,000</b>	<b>5,364,000</b>
55	Min Fund Rsrv Target (50% O&M + \$1M)	3,608,000	3,772,000	3,917,000	4,068,000	4,228,000
56	Debt Service Coverage	-	2.99	4.04	4.94	5.66
57	Pay-go funding generated for CIP/Other	378,000	427,000	767,000	1,062,000	1,516,000

<b>Table 1C</b>		<b>Cash Flow Projections: With \$5 Million Debt</b>					<b>Year 6 - 10</b>
		<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	
		<b>Projected 2022/23</b>	<b>Projected 2023/24</b>	<b>Projected 2024/25</b>	<b>Projected 2025/26</b>	<b>Projected 2026/27</b>	<b>Esc Factor</b>
1	Effective Date of Rate Adjustment	Jan-1	Jan-1	Jan-1	Jan-1	Jan-1	
2	Rate Revenue Adjustment %	16%	14%	12%	6%	6%	
4	Growth: New EDUs	10	10	10	10	10	
5	Growth in Billable EDUs %	0.2%	0.2%	0.2%	0.2%	0.2%	
6	Wtr Demand Elasticity (Response to Rate Incr)	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	
7	Change in Annual Water Consumption	-3.2%	-2.8%	-2.4%	-1.2%	-1.2%	
8	Water Purchases from MWA (AF)	1,000	1,000	1,000	1,000	1,000	
9	MWA Rate per AF	\$726	\$762	\$800	\$840	\$882	5.0%
10	Interest Earnings Rate	2.0%	2.0%	2.0%	2.0%	2.0%	
11	Annual Cost Escalator	4.0%	4.0%	4.0%	4.0%	4.0%	
12	<b>Beginning Fund Reserves</b>	\$5,364,000	\$5,096,000	\$5,205,000	\$5,418,000	\$5,527,000	
13	<b>REVENUES</b>						
14	Basic Monthly Fees	3,126,000	3,600,000	4,074,000	4,443,000	4,719,000	
15	Water Usage Charges	3,253,000	3,630,000	3,996,000	4,282,000	4,484,000	
16	Locked Meter Charges	463,000	533,000	601,000	655,000	694,000	
17	Standby Revenue	1,135,000	1,134,000	1,133,000	1,132,000	1,131,000	
18	Property Taxes	473,000	482,000	492,000	502,000	512,000	2.0%
19	Private Fire Svc & Special Services	152,000	155,000	158,000	161,000	164,000	2.0%
20	Water Capacity & Meter Install Fees	57,000	57,000	58,000	59,000	60,000	
21	Interest Earnings	107,000	102,000	104,000	108,000	111,000	
22	HDMC WWTP Reimbs (+22%)	243,000	253,000	262,000	273,000	284,000	
23	Other Revenues	20,000	20,000	20,000	20,000	20,000	
24	<b>Total Revenues</b>	<b>9,029,000</b>	<b>9,966,000</b>	<b>10,898,000</b>	<b>11,635,000</b>	<b>12,179,000</b>	
25	Grants						
26	SRF Planning & Construction Loan	4,000,000					
27	Debt Proceeds						
28	<b>EXPENSES</b>						
29	<b>Operating &amp; Maintenance</b>						
30	Production	1,611,000	1,675,000	1,742,000	1,812,000	1,884,000	
31	Recharge Water Purchases from MWA	726,000	762,000	800,000	840,000	882,000	
32	Distribution	1,217,000	1,266,000	1,317,000	1,370,000	1,425,000	
33	Customer Service	595,000	619,000	644,000	670,000	697,000	
34	Administration	1,275,000	1,326,000	1,379,000	1,434,000	1,491,000	
35	Engineering	288,000	300,000	312,000	324,000	337,000	
36	Finance	648,000	674,000	701,000	729,000	758,000	
37	Personnel & Legal	163,000	170,000	177,000	184,000	191,000	
38	HDMC WWTP Operations (reimbursable)	199,000	207,000	215,000	224,000	233,000	
39	Chrome 6 Operations	500,000	800,000	832,000	865,000	900,000	
40	Subtotal	7,222,000	7,799,000	8,119,000	8,452,000	8,798,000	
41	<b>Debt Service</b>						
42	Projected Debt Service	325,000	325,000	325,000	325,000	325,000	
43	Chrome 6 SRF Loan Repayment	-	275,000	275,000	275,000	275,000	
44	Subtotal	325,000	600,000	600,000	600,000	600,000	
45	<b>Capital/Non-Operating</b>						
46	Capital Improvements (Pipes/Wells/Boosters)	1,000,000	1,200,000	1,700,000	2,200,000	2,500,000	
47	Meter Replacement Program	500,000	0	0	0	0	
48	Annual Project Funding	250,000	258,000	266,000	274,000	282,000	3.0%
49	Chromium 6 Project (grant & loan funded)	4,000,000	0	0	0	0	
50	Morongo Basin Pipeline Debt Reimbs	0	0	0	0	0	
51	Subtotal	5,750,000	1,458,000	1,966,000	2,474,000	2,782,000	
52	<b>Total Expenses</b>	<b>13,297,000</b>	<b>9,857,000</b>	<b>10,685,000</b>	<b>11,526,000</b>	<b>12,180,000</b>	
53	<b>Revenues Less Expenses</b>	<b>(268,000)</b>	<b>109,000</b>	<b>213,000</b>	<b>109,000</b>	<b>(1,000)</b>	
54	<b>Ending Fund Reserves</b>	<b>5,096,000</b>	<b>5,205,000</b>	<b>5,418,000</b>	<b>5,527,000</b>	<b>5,526,000</b>	
55	Min Fund Rsrv Target (50% O&M + \$1M)	4,611,000	4,900,000	5,060,000	5,226,000	5,399,000	
56	Debt Service Coverage	5.56	3.61	4.63	5.31	5.64	
57	<b>Pay-go funding generated for CIP/Other</b>	<b>1,482,000</b>	<b>1,567,000</b>	<b>2,179,000</b>	<b>2,583,000</b>	<b>2,781,000</b>	



## **Supplemental Tables & Charts**

Table A-1  
 Joshua Basin Water District  
 Monthly Residential Water Rate Survey

	Fixed Charge	Residential Usage Rates		Monthly Service Charges				
		Tiers	Rate per hcf	Low 3 hcf	Median 6 hcf	Average 9 hcf	High 15 hcf	
Mission Springs Water Dist [1]	10.37	2 tiers	1.73 - 2.36	15.56	20.75	25.94	37.58	
City of Hesperia	19.64	4 tiers	0.90 - 2.24	22.34	25.04	27.74	36.39	
Twentynine Palms Water District	11.63	uniform block	2.79	20.00	28.37	36.74	53.48	
<b>Joshua Basin Water District</b>	<b>25.78</b>	<b>4 tiers</b>	<b>3.00 - 4.50</b>	<b>34.78</b>	<b>44.28</b>	<b>54.78</b>	<b>78.28</b>	
Golden State Water Company [2]	15.42	3 tiers	3.85 - 5.09	29.15	42.88	56.61	85.23	
Bighorn Desert View Water Agency	28.88	uniform block	3.09	38.15	47.42	56.69	75.23	
Bighorn DVWA (with debt surcharge)	33.53	uniform block	3.09	42.80	52.07	61.34	79.88	
Apple Valley Ranchos Water Co	23.15	3 tiers	4.039 - 5.315	35.27	47.38	59.50	85.65	
High Desert Water District	23.30	4 tiers	3.59 - 9.08	34.07	49.04	66.11	106.25	
CSA 70 W3 - Hacienda/Morongo [3]	43.93	3 tiers	4.49 - 5.94	57.40	70.87	84.34	111.95	
CSA 70 W4 - Pioneertown Area [3]	39.00	4 tiers	6.62 - 10.07	58.86	78.72	98.58	143.25	
CSA 70 F - Morongo Valley [3]	58.78	3 tiers	6.58 - 8.70	78.52	98.26	118.00	158.47	
Average	27.78			38.91	50.42	62.20	87.64	
Median	24.54			35.02	47.40	58.10	82.56	

1 Serves City of Desert Hot Springs.

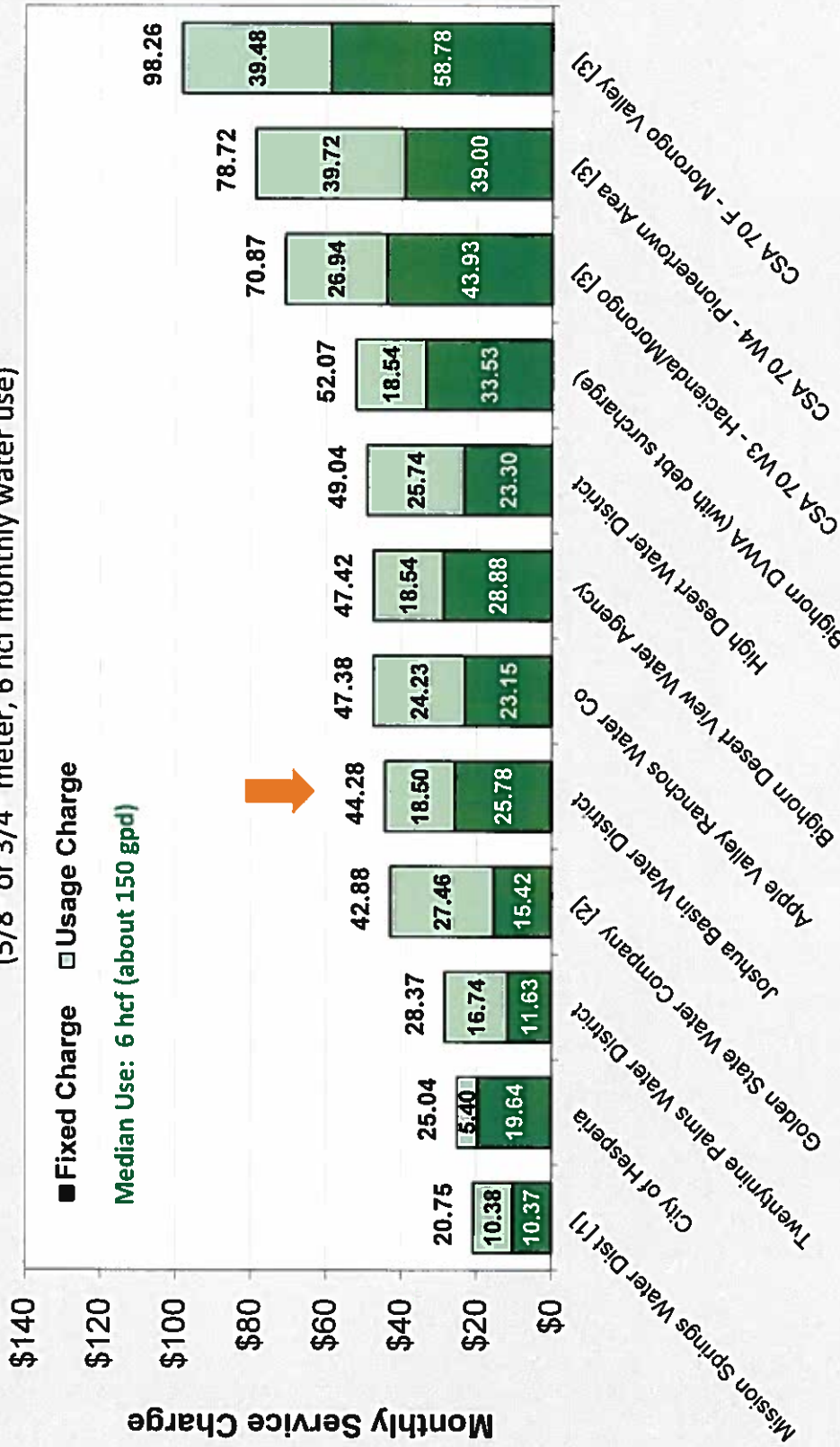
2 Serves Barstow/Apple Valley/Lucerne Valley and other areas; bills include approximately \$0.73 per hcf in surcharges.

3 San Bernardino County Service Area.

# Joshua Basin Water District

## Survey of Median Monthly Residential Water Bills, December 2017

(5/8" or 3/4" meter, 6 hcf monthly water use)

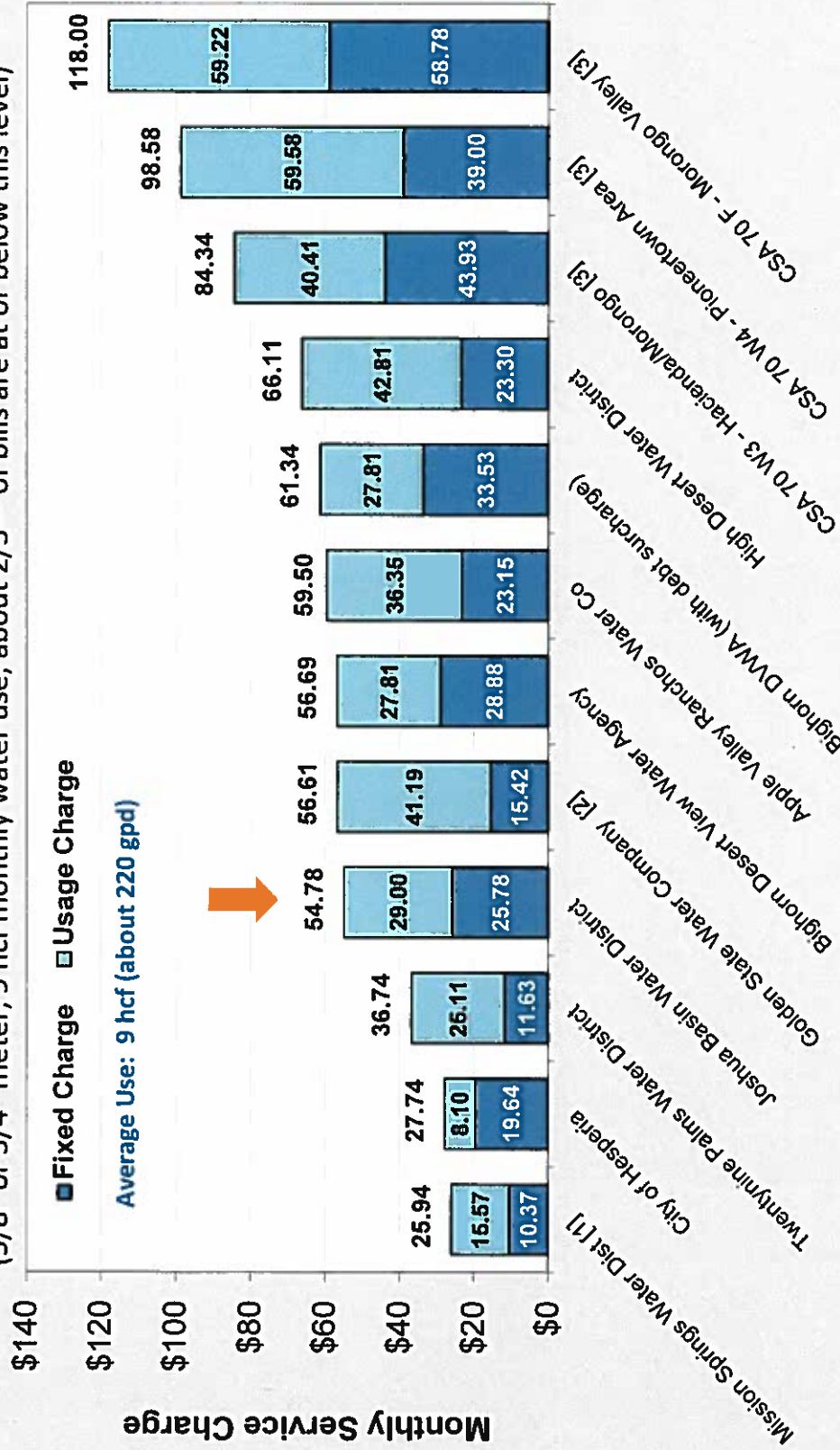


1 Serves City of Desert Hot Springs. 2 Barstow/Apple Valley/Lucerne & other areas. 3 San Bernardino County Service Area.

## Joshua Basin Water District

### Survey of Average Monthly Residential Water Bills, December 2017

(5/8" or 3/4" meter, 9 hcf monthly water use; about 2/3<sup>rd</sup>s of bills are at or below this level)



1 Serves City of Desert Hot Springs. 2 Barstow/Apple Valley/Lucerne & other areas. 3 San Bernardino County Service Area.

Table A-2  
 Joshua Basin Water District  
 Active Accounts by Customer Class & Meter Size 2016/17

Meter Size	Single Family Residential	Multi-Family Residential	Commercial & Institutional	Total	% of Total
<b>Accounts</b>					
3/4"	4,143	43	139	4,325	94.9%
1"	130	26	22	178	3.9%
1-1/2"	2	17	9	28	0.6%
2"	1	2	15	18	0.4%
3"	<u>0</u>	<u>1</u>	<u>6</u>	<u>7</u>	<u>0.2%</u>
Total	4,275	90	192	4,557	100.0%
% of Total	93.8%	2.0%	4.2%	100.0%	
<b>Billed Water Use</b>					
3/4"	392,583	9,181	18,325	420,089	79.5%
1"	15,278	4,425	6,713	26,416	5.0%
1-1/2"	120	17,434	5,406	22,960	4.3%
2"	23	2,112	28,380	30,515	5.8%
3"	<u>0</u>	<u>4,298</u>	<u>23,936</u>	<u>28,234</u>	<u>5.3%</u>
Total	408,004	37,450	82,760	528,214	100.0%
% of Total	77.2%	7.1%	15.7%	100.0%	
<b>Average Monthly Use per Account</b>					
3/4"	7.9	17.6	11.0	8.1	
1"	9.8	14.1	25.0	12.4	
1-1/2"	5.0	85.0	48.7	67.5	
2"	1.9	88.0	157.7	141.3	
3"	<u>n/a</u>	<u>358.2</u>	<u>332.4</u>	<u>336.1</u>	
Total	8.0	34.8	36.0	9.7	

**Table A-3**  
**Joshua Basin Water District**  
**Historical Water Use by Tier**

	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
<b>Billed Use by Tier (hcf)</b>						
Tier 1	192,465	192,245	190,677	189,011	186,071	188,189
Tier 2	106,540	106,439	102,652	98,576	88,862	91,526
Tier 3	93,798	94,917	89,782	84,359	71,709	76,742
Tier 4	97,275	101,151	99,771	85,333	64,707	86,482
Subtotal	490,078	494,752	482,882	457,279	411,349	442,939
All Other	98,639	88,724	96,261	93,150	71,731	85,275
Total (hcf)	588,717	583,476	579,143	550,429	483,080	528,214
Total (acre-feet)	1,352	1,339	1,330	1,264	1,109	1,213
Annual Change		-0.9%	-0.7%	-5.0%	-12.2%	9.3%
Cumulative Change		-0.9%	-1.6%	-6.5%	-17.9%	-10.3%

Table A-4  
 Joshua Basin Water District  
 Bills & Use by Tier  
 For 3/4" & 1" Meters

Bills & Use in Tier 2016/17			
	Monthly Use	Bills Ending in Tier %	Water Use in Tier
Tier 1	0 - 5 hcf	55.4%	42.5%
Tier 2	5.01 - 10 hcf	22.6%	20.7%
Tier 3	10.01 - 20 hcf	13.9%	17.3%
Tier 4	20.01 + hcf	8.1%	19.5%

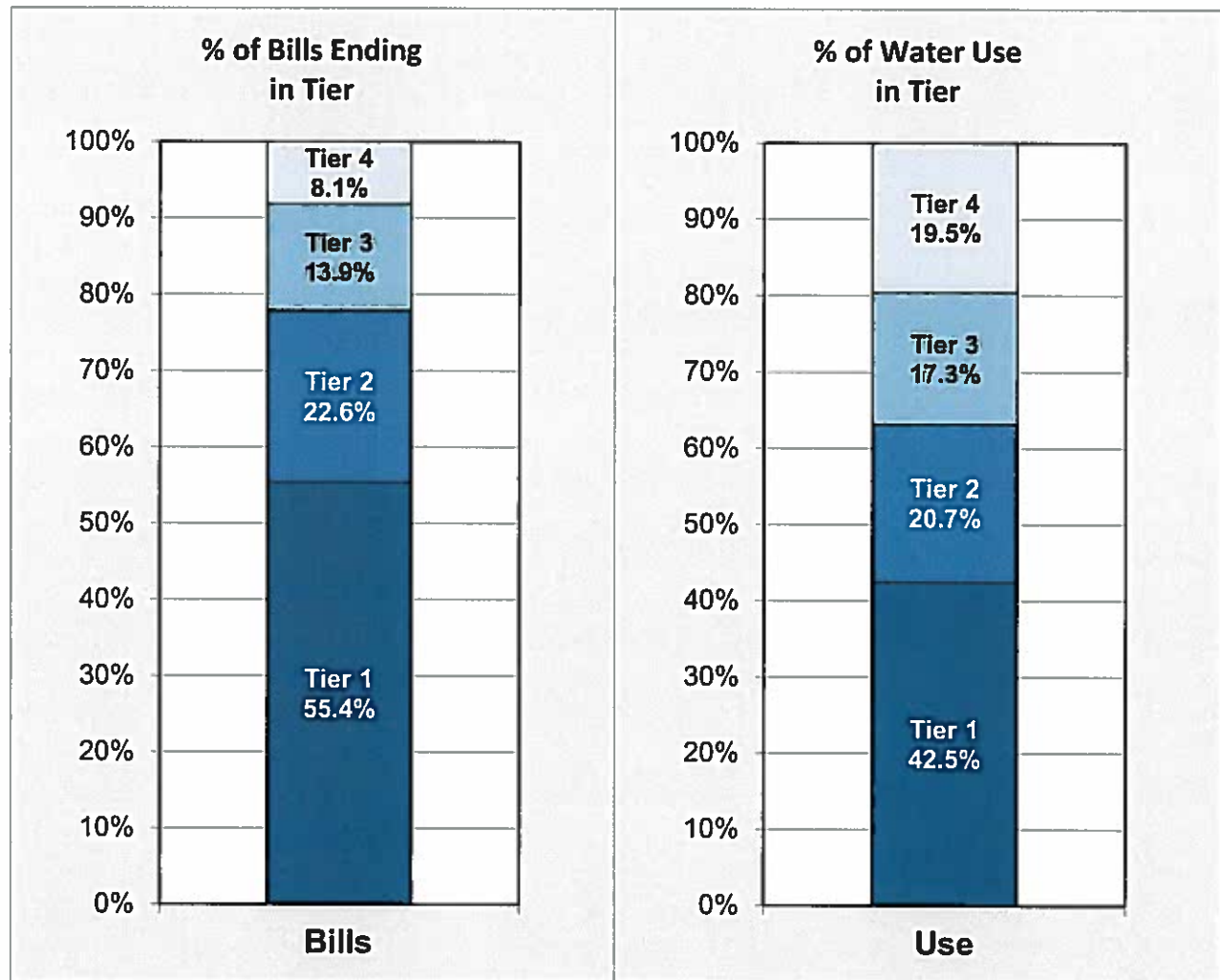


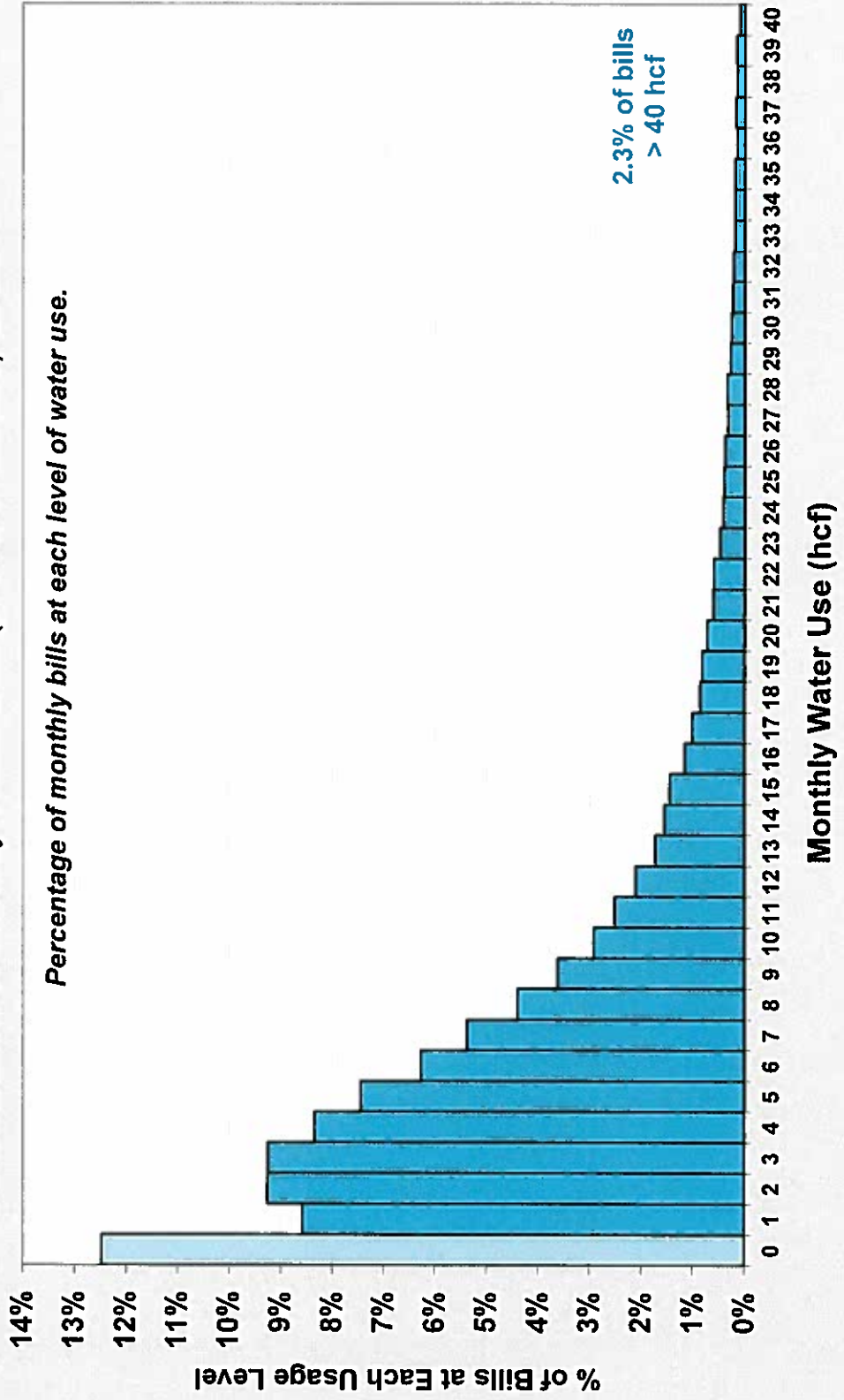
Table A-4  
 Joshua Basin Water District  
 Consumption Block Analysis (3/4" & 1" Meters) 2016/17

Average Monthly Use: 8.2 hcf  
 Median Monthly Use: 5.0 hcf  
 Avg Use (Excl Bills with No Use): 9.4 hcf  
 Median Use (Excl Bills with No Use): 6.0 hcf

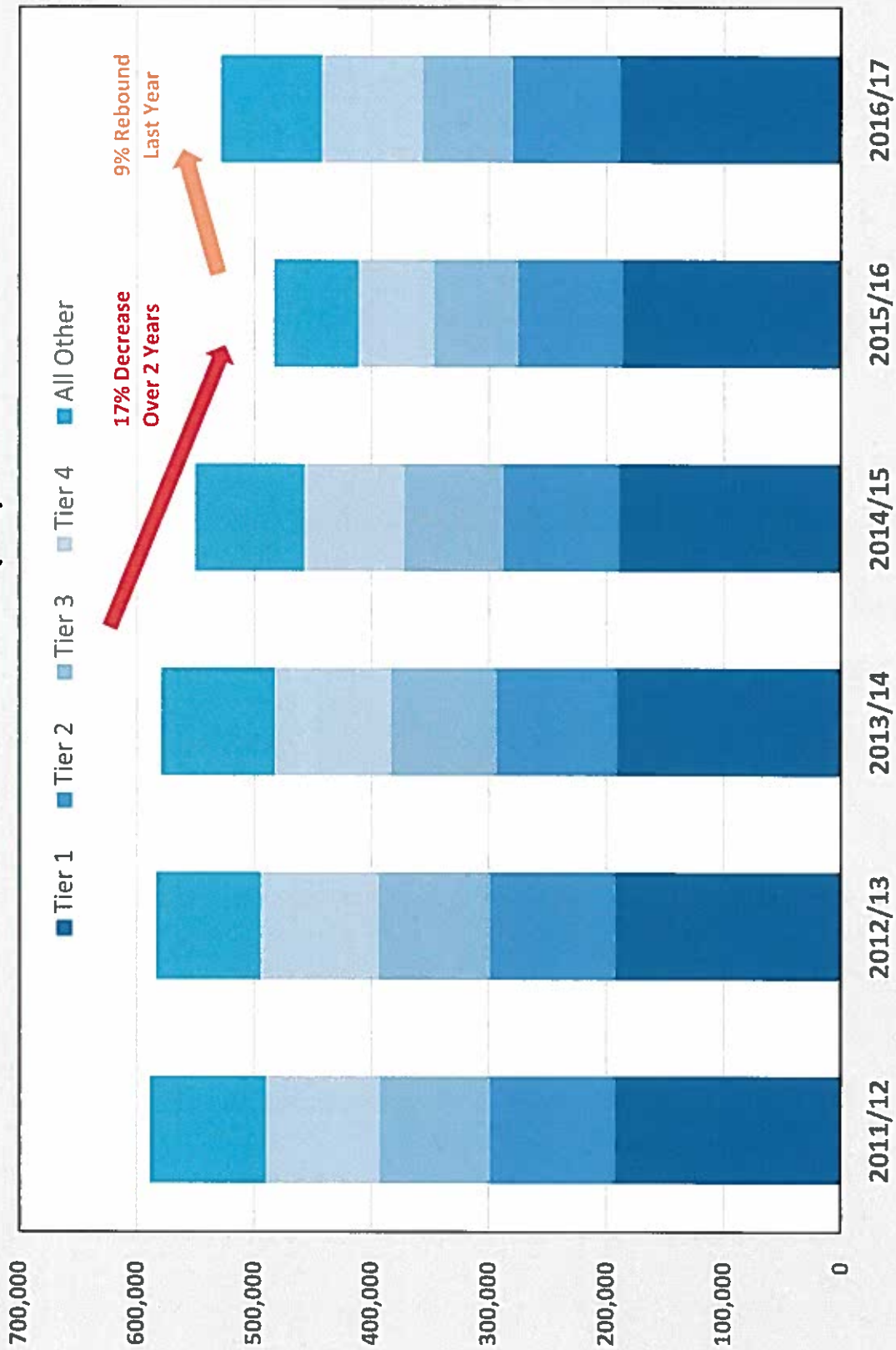
Monthly Use (hcf)	Number of Bills				Water Use (hcf)		Use Through Break	
	In Block	% of Total	Cumulative	Cumulative %	In Block	% of Ttl	Use (hcf)	% of Ttl
0	6,736	12.5%	6,736	12.5%	0	0.0%	0	0.0%
1	4,632	8.6%	11,368	21.1%	4,632	1.0%	47,239	10.7%
2	4,997	9.3%	16,365	30.3%	9,994	2.3%	89,846	20.3%
3	4,991	9.2%	21,356	39.6%	14,973	3.4%	127,456	28.8%
4	4,505	8.3%	25,861	47.9%	18,020	4.1%	160,075	36.1%
5	4,021	7.4%	29,882	55.4%	20,105	4.5%	188,189	42.5%
6	3,385	6.3%	33,267	61.6%	20,310	4.6%	212,282	47.9%
7	2,901	5.4%	36,168	67.0%	20,307	4.6%	232,990	52.6%
8	2,372	4.4%	38,540	71.4%	18,976	4.3%	250,797	56.6%
9	1,952	3.6%	40,492	75.0%	17,568	4.0%	266,232	60.1%
10	1,576	2.9%	42,068	77.9%	15,760	3.6%	279,715	63.1%
11	1,360	2.5%	43,428	80.5%	14,960	3.4%	291,622	65.8%
12	1,137	2.1%	44,565	82.6%	13,644	3.1%	302,169	68.2%
13	932	1.7%	45,497	84.3%	12,116	2.7%	311,579	70.3%
14	840	1.6%	46,337	85.8%	11,760	2.7%	320,057	72.3%
15	783	1.5%	47,120	87.3%	11,745	2.7%	327,695	74.0%
16	625	1.2%	47,745	88.5%	10,000	2.3%	334,550	75.5%
17	547	1.0%	48,292	89.5%	9,299	2.1%	340,780	76.9%
18	464	0.9%	48,756	90.3%	8,352	1.9%	346,463	78.2%
19	444	0.8%	49,200	91.2%	8,436	1.9%	351,682	79.4%
20	391	0.7%	49,591	91.9%	7,820	1.8%	356,457	80.5%
21	328	0.6%	49,919	92.5%	6,888	1.6%	360,841	81.5%
22	323	0.6%	50,242	93.1%	7,106	1.6%	364,897	82.4%
23	256	0.5%	50,498	93.6%	5,888	1.3%	368,630	83.2%
24	227	0.4%	50,725	94.0%	5,448	1.2%	372,107	84.0%
25	214	0.4%	50,939	94.4%	5,350	1.2%	375,357	84.7%
26	207	0.4%	51,146	94.8%	5,382	1.2%	378,393	85.4%
27	176	0.3%	51,322	95.1%	4,752	1.1%	381,222	86.1%
28	181	0.3%	51,503	95.4%	5,068	1.1%	383,875	86.7%
29	150	0.3%	51,653	95.7%	4,350	1.0%	386,347	87.2%
30	140	0.3%	51,793	96.0%	4,200	0.9%	388,669	87.7%
31	123	0.2%	51,916	96.2%	3,813	0.9%	390,851	88.2%
32	114	0.2%	52,030	96.4%	3,648	0.8%	392,910	88.7%
33	98	0.2%	52,128	96.6%	3,234	0.7%	394,855	89.1%
34	102	0.2%	52,230	96.8%	3,468	0.8%	396,702	89.6%
35	101	0.2%	52,331	97.0%	3,535	0.8%	398,447	90.0%
36	80	0.1%	52,411	97.1%	2,880	0.7%	400,091	90.3%
37	91	0.2%	52,502	97.3%	3,367	0.8%	401,655	90.7%
38	77	0.1%	52,579	97.4%	2,926	0.7%	403,128	91.0%
39	85	0.2%	52,664	97.6%	3,315	0.7%	404,524	91.3%
40	53	0.1%	52,717	97.7%	2,120	0.5%	405,835	91.6%
41	58	0.1%	52,775	97.8%	2,378	0.5%	407,093	91.9%
42	62	0.1%	52,837	97.9%	2,604	0.6%	408,293	92.2%
43	59	0.1%	52,896	98.0%	2,537	0.6%	409,431	92.4%
44	56	0.1%	52,952	98.1%	2,464	0.6%	410,510	92.7%
45	55	0.1%	53,007	98.2%	2,475	0.6%	411,533	92.9%
46	45	0.1%	53,052	98.3%	2,070	0.5%	412,501	93.1%
47	33	0.1%	53,085	98.4%	1,551	0.4%	413,424	93.3%
48	45	0.1%	53,130	98.4%	2,160	0.5%	414,314	93.5%
49	50	0.1%	53,180	98.5%	2,450	0.6%	415,159	93.7%
50	38	0.1%	53,218	98.6%	1,900	0.4%	415,954	93.9%
51-75	441	0.8%	53,659	99.4%	26,744	6.0%	428,548	96.8%
76-100	168	0.3%	53,827	99.7%	14,382	3.2%	434,030	98.0%
101-200	127	0.2%	53,954	100.0%	16,798	3.8%	440,228	99.4%
201+	21	0.0%	53,975	100.0%	6,911	1.6%	442,939	100.0%
<b>Total</b>	<b>53,975</b>	<b>100.0%</b>			<b>442,939</b>	<b>100.0%</b>		



## Joshua Basin Water District Distribution of Monthly Water Bills (3/4" & 1" Meters) 2016/17



# Joshua Basin Water District Historical Water Use (hcf)



JOSHUA BASIN WATER DISTRICT  
STAFF REPORT

Meeting of the Board of Directors

December 20, 2017

Report to: President and Members of the Board

Prepared by: Curt Sauer *CS*

TOPIC: REQUEST FROM CUSTOMER TO MOVE METER BETWEEN PARCELS.

RECOMMENDATION: Recommend that the Board deny the request to move a meter from one parcel to another parcel.

ANALYSIS:

In the late 1990's the District worked with landowners in the Copper Mountain Mesa area to create a project known as the Copper Mountain Mesa Assessment District. In this project a landowner that was interested in participating in the project was required to 1) pay off their portion of the bond (either in advance or on the annual tax bill over 40 years) and 2) if they desired to have service to their parcel, pay for the meter, which is associated with that parcel. This is commonly referred to as buying a meter.

Once service is established, and a meter has been paid for, that meter is attached to that parcel. The District does not move meters to different parcels.

According to Mr. Kidman, he acquired the two parcels in question through the tax sale process. Mr. Kidman's request is to have the inactive meter from one parcel moved to the other parcel, which has never paid for service.

County Records show he acquired parcel 0632 242 18 in September of 2009 for approximately \$6,000. Parcel 0632 242 26 26 was acquired in May of 2009 for approximately \$9,477.

The previous owner of parcel 0632 242 18 paid for service, had a meter installed in 1997, at a cost of \$225. The meter was pulled in 1999. This parcel has attached to it, the right to have a meter reinstalled for a \$40 reinstallation fee. The parcel owner is responsible for paying the basic monthly fee for an inactive meter.

The previous owner of parcel 0632 242 26, although part of the Assessment District, never paid for a meter. The parcel owner does not pay a basic monthly fee. The parcel does not have a right to install a meter, since they never bought into the system.

A new owner that needs to establish service at a parcel must conform to the rules and regulations that are in place at the time they obtain service. This has been the policy of the District for over 30 years.

Today, new service in the Copper Mountain Assessment District costs \$4,847. That includes:

- 1) A deposit and account set up fee of \$115.
- 2) A meter installation fee of \$669, which includes the cost of the meter, the meter-reading device (MXU), field staff time and materials.
- 3) A water capacity fee of \$4,063. The Board established water capacity fees in 2007 to “provide for a source of supply, pumping, transmission and storage needed as a result of new demands caused by new residential/commercial/industrial/agricultural services, or a new single-family service. As Copper Mountain develops, additional capacity will be needed. These funds go into a restricted reserve fund, so the District has the funds available when additional capacity must be installed.

An additional example may offer another perspective. Two weeks ago a new landowner, in Copper Mountain Mesa Assessment District, came to the office and paid for a new meter on a parcel that had opted out. The previous owner had an inactive meter, had chosen to opt out of inactive meter, thereby giving up the right to have a meter reinstalled without paying current meter fees. The new owner paid the District \$4,847 for service to the parcel, including the water capacity fee.

If the Board decides to accept Mr. Kidman’s request to “move a meter” from one parcel to another, he will be granted the opportunity to waive all current fees for new service.

It is the recommendation of the General Manager that Mr. Kidman’s request be denied.



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**NEW RESIDENTIAL SERVICE QUOTE (With Fire Letter)  
 COPPER MOUNTAIN MESA ASSESSMENT DISTRICT**

January 23, 2017

**SAMPLE**

APN:

THE FOLLOWING FEES ARE TO BE **PAID IN FULL** PRIOR TO INSTALLATION.

SIZE OF METER FOR QUOTE	<u>1"</u>	
DEPOSIT		<u>\$ 100.00</u>
ACCOUNT SET UP FEE		<u>\$ 15.00</u>
WATER CAPACITY CHARGE		<u>\$ 4,063.00</u>
METER INSTALLATION FEE		<u>\$ 669.00</u>
<b>TOTAL</b>		<u><b>\$ 4,847.00</b></u>

**WHEN PURCHASING METER  
 PLEASE SCHEDULE APPOINTMENT WITH ENGINEERING  
 BRING:**

- (1) THIS QUOTE**
- (2) A COPY OF ISSUED/APPLIED BUILDING PERMIT**
- (3) A COPY OF COUNTY ASSIGNED ADDRESS**
- (4) A COPY OF ISSUED FIRE LETTER FROM FIRE DEPT.**

**This quote is valid for 30 days. Once the District has received payment in full and the above listed items for the property, the service will be installed within approximately 6 weeks. Billing will be started once meter is installed.**

**This parcel is located within the Copper Mountain Mesa Assessment District (CMMAD). The quote on the following page covers the cost of installation of the water meter/service only. The service connections and meter boxes were previously installed under the CMM pipeline construction and therefore your specific meter may not be physically located on your parcel. You the customer may therefore have to extend a service line from the meter box to your parcel. Please be aware that because of this you may incur additional costs for your private water line and right of way to provide your parcel water.**

---

E. Keith Faul  
 Utility Coordinator/GIS Director

**SAMPLE**

**JOSHUA BASIN WATER DISTRICT  
MEETING AGENDA REPORT**

Meeting of the Board of Directors

December 20, 2017

Report to: President and Board Members

Prepared by: Susan Greer 

**TOPIC:  
PROPOSED RESERVE FUND POLICY**

**RECOMMENDATION:**  
Information only. Review and provide any suggested changes to the Finance Committee (Directors Johnson and Floen.)

**ANALYSIS:**  
A draft Reserve Fund Policy is attached for your review and consideration. The document spells out the District's policy with regard to reserve funds. The policy has been kept as simple as possible, keeping in mind that this document provides instruction for staff as well as information for the public.

We're moving forward with the proposed policy on several different levels at the same time. The policy is being presented to and reviewed by the Finance Committee at their December 18 meeting. At the same time, it is being forwarded to the consultant that provided our reserve training last month and Alex Handlers, our rate study consultant. Lastly, the Board is receiving the draft policy for information only, requesting that they inform one of the Finance Committee members if they have any suggestions. Then, once we've received feedback from all the Board and the consultants and make any amendments, the policy will be brought back for Board approval on January 17.

Page three, in the CIP Reserve section, includes a statement suggesting that 50% of the District's operating net revenue each year should go into the CIP Reserve fund. This is a suggestion from one of the policies presented by the reserve training consultant which seemed promising. Does that make sense for us, and if so, what happens to the other 50%? Another reserve? Or 100% into the CIP reserve? We're also waiting to hear about future SCADA replacement, which hasn't previously been considered and is a potentially big ticket item that impacts the Equipment & Technology replacement reserve.

**FISCAL IMPACT:**  
N/A

**JOSHUA BASIN WATER DISTRICT**  
**RESERVE FUND POLICY**  
Adopted XX/XX/XX

**PURPOSE**

It is the Joshua Basin Water District Board of Director's intent through this Policy to describe how and why specific reserves are established and maintained and to provide District ratepayers and taxpayers with assurance that reserve balances will be maintained at prudent and fiscally responsible levels.

Maintaining adequate cash reserves is an essential part of sound financial management, in order to meet both short-and long-term financial obligations. Reserves play a critical role in providing reliable service for our ratepayers, financing of long-term capital projects and responding to emergencies. Reserves can provide the savings necessary to balance budgets during periods of diminished reserves, allow for emergency preparedness, assist in maintaining stable water service rates, and preserve the financial stability of the District against present and future uncertainties in an ever-changing environment.

Suggested reserve funding balances are necessary to maintain Joshua Basin Water District's fiscal strength and flexibility and to adequately provide for:

- Compliance with applicable statutory requirements.
- Financing of future capital projects, and repair and replacement of existing assets.
- Cash flow requirements.
- Economic uncertainties, local disasters, and other financial hardships or downturns in the local or national economy.
- Contingencies or unforeseen operating or capital needs.

**GUIDING PRINCIPLES**

1. The District will prudently manage the resources entrusted to it by our ratepayers.
2. The District will maintain reserve funds in designated accounts in a manner that ensures its financial soundness and provides transparency to its ratepayers.
3. The District will maintain reserve funds that :
  - Are designated for specific purposes;
  - Are consistent with other financial policies, budgetary practices, District programs and legal requirements;
  - Allow the District to provide a high level of emergency preparedness for our ratepayers;
  - Provide well-maintained infrastructure for current and future ratepayers;
  - Permit investment in the future; and
  - Allow the District to respond to changing circumstances.

**AUTHORITY**

Joshua Basin Water District has authority under Article XIIIB of the California Constitution to establish such reserves as are deemed reasonable and proper.

**DEFINITIONS**

**Restricted Reserves:** Limitations on the use of restricted reserves are imposed by an outside source such as creditors, grantors, contributors, or laws or regulations of other governmental entities.

Unrestricted Reserves: Have no externally imposed use restrictions. The use of unrestricted reserves is at the discretion of the JBWD Board of Directors. There are two categories of unrestricted reserves – Designated and Undesignated. Currently, all Unrestricted Reserves at Joshua Basin Water District are Designated Reserves.

Designated Reserves: Set aside for a specific purpose, which is determined at the sole discretion of the Board of Directors. The Board of Directors also has the authority to redirect the use of these reserve funds as the needs of the Joshua Basin Water District change.

**RESTRICTED RESERVE FUNDS: JBWD has the following types of restricted reserve funds:**

Water Capacity Charges – Regulated per per Government Code 66013(b)(3). Water capacity charges are used to provide funding for water system infrastructure that will be required to be constructed in the future, or to pay-back the District for pre-built water system infrastructure already in existence at the time new water service connection is requested, as a pro-rata share of the costs to construct such facilities. Water capacity charges can fund either future system expansion required because of growth or may be used to fund capital replacement for facilities that have been pre-built by current users that will benefit future users.

Wastewater/Sewer Capacity Charge – Regulated per Government Code 66013(b)(3). Wastewater/sewer capacity charges are used to provide funding for wastewater/sewer system infrastructure that will be required to be constructed in the future, or to pay-back the District for pre-built water system infrastructure already in existence at the time new wastewater/sewer connection is requested, as a pro-rata share of the costs to construct such facilities. Wastewater/sewer capacity charges can fund either future system expansion required because of growth or may be used to fund capital replacement for facilities that have been pre-built by current users that will benefit future users.

Consumer and Project Deposits – good faith guarantee deposits provided by ratepayers for water service accounts or for construction projects.

Copper Mountain Mesa Assessment District (CMMAD) funds – the District collects debt service and lien payoffs for the CMMAD, which funds are due to the bondholder. In addition, a reserve fund is established for CMMAD as required by the bondholder and those reserve funds will be used towards the final debt service payment to the bondholder.

Investment earnings from Restricted Reserves - shall be credited to the respective reserve funds.

**UNRESTRICTED RESERVE FUNDS: JBWD has the following types of unrestricted reserve funds:**

Operating Reserve -This reserve is considered a cash flow requirement. It bridges the gap between the time expenses are paid and revenues are collected from ratepayers, ensuring that the District preserves credit worthiness and provides for liquidity throughout the fiscal year. The purpose of the Operating Reserve is to ensure that the District will at all times have sufficient funding available to meet annual operating costs. These funds are also available to support operating costs in order to minimize drastic fluctuations in rates, such as in the event of a drought when water use decreases, thus impacting operating revenues.



The goal of the Operating Reserve fund is to maintain six months' average operating and debt service expenses excluding depreciation.

Emergency Capital Replacement Reserve - This reserve is provided for emergencies or unplanned infrastructure failures.

The goal of the Emergency Reserve fund is to maintain a \$2 million balance.

#### CIP Reserve

This reserve provides funding for infrastructure projects in the approved Capital Improvement Plan (CIP.) The CIP identifies annual infrastructure projects for pipelines, wells, boosters and reservoirs.

Funding for CIP projects is set forth in the Capital Budget. In addition, **50% of annual operating net revenue**, as determined by the annual audit, will be deposited into the CIP Reserve fund after audit acceptance by the Board of Directors. Depending on the District's cash flow requirements, CIP Reserves funded during any fiscal year may or may not be available for use at the start of the fiscal/budget year.

This reserve is to be used for priority capital projects that will be reviewed and approved by the Board of Directors, so *no maximum reserve level is recommended*. Because of the discretionary nature of this reserve, the ability to decide which projects will be funded and when, *no minimum balance is required*.

Note that CIP projects may be concurrently funded and constructed within the same fiscal year, or, because infrastructure project costs are significant, projects may take more than one fiscal year to either plan/construct or be fully funded.

#### Individual Replacement Reserves

In addition to the water infrastructure projects funded via the CIP Reserve (above,) the District has other capital replacement requirements. Individual replacement reserves are established for the following purposes, which are not otherwise funded via the Capital Improvement Plan:

Building Replacement Reserve – is designated for future office/shop building expansion or replacement. Target funding level of \$315,000 is based on 1,000 square foot expansion of both shop and office buildings within the next 10 years. Replacement cost is based on ACWA/JPIA annually escalated insurance replacement cost.

Equipment & Technology Replacement Reserve – provides for regular replacement of vehicles, heavy equipment and computers, software and peripherals, office equipment and SCADA with a cost of at least \$1,000. **Waiting on info from RM about SCADA replacement, which hasn't been replaced in 30 years – quote hopefully by Friday, 12/15, some upgrades will be due.**

Meter Replacement Reserve – targets replacement of water meters approximately every 20 years. Meter replacement is overdue at the time this policy was written, and the District intends to replace meters over the next five fiscal years (2018/19 – 2022/23) at an estimated cost of \$2,500,000, requiring annual funding of \$500,000 through 2022/23. In 2023/24, or after meter replacement is complete, the annual funding will decrease so that the meter replacement fund achieves the appropriate balance after 20 years, (based on an updated estimated future replacement cost apportioned over 20 years), to provide funding for the subsequent meter replacement cycle.

*Studies & Reports Replacement Reserve* – funding for periodic updates to studies and reports such as the Urban Water Management Plan, Rate Studies, Compensation Studies, Water Master Plan. JBWD spends approximately \$50,000 per year on average for such studies and reports, although individual studies and

reports can exceed that cost. Target funding level is \$100,000.

In addition, a Wells, Boosters, Reservoir replacement reserve was previously established and currently has a balance of \$382,788 available for funding of appropriate projects. This Reserve will no longer be funded beginning in fiscal 18/19 and the current balance will be transferred to the CIP Reserve account.

#### Totals and Inflation

Annual funding from the 17/18 operating budget for all of the existing Capital Replacement Reserves is approximately \$247,000. Including additions for the newly-identified reserves for meter replacement and studies & reports, and elimination of future funding for wells, boosters and reservoir replacement reserves, future reserve funding should be approximately \$690,000 per year as of the date of this policy and such funding has been included in the 17/18 Rate Study. Reserve funding should be increased each year in order to keep up with inflation. Funding levels for the Meter Replacement reserve will decrease after 5 years or when all water meters are replaced.

*Investment earnings from Unrestricted Reserves - shall be credited to the General Fund.*

### PROCEDURES

Policy Review - The Reserve Policy and its funding levels shall be reviewed every two years prior to adoption of the two-year budget. The Reserve Policy and funding levels will also be reviewed during the mid-term review of the budget that occurs during the second year of the two-year budget cycle.

Utilization of Reserves for Cash Flow Purposes - The Operating Reserves may be used at any time to meet cash flow requirements of District operations, as authorized by the Assistant General Manager/Controller. Authority to use the funds will be consistent with all of the District's financial policies.

Use of the Emergency Reserves can be authorized by the General Manager.

Use of Capital Replacement Reserves must be authorized by the JBWD Board of Directors.

Reallocation of Funds - The Board shall approve any reallocation of funds, transfers among reserve funds, or action that is inconsistent with this policy.

### SUMMARY

The Reserve Fund Policy states that designated reserves will be maintained to allow for funding of the District's operating, capital and debt service obligations, as well as funding for unforeseen events. Reserves will be established, replenished, and used only in a manner which allows the District to fund costs consistent with the Capital Improvement Plan, Financial Plan and Rate Study, and other Board adopted actions, and in a manner that requires minimal annual adjustment to water rates. The District's Reserve Fund Policy shall be periodically reviewed and adjusted to meet the needs of the District.