

PALMDALE WATER DISTRICT

- PISTON

2029 East Avenue Q • Palmdale, California 93550 • Telephone (661) 947-4111

Since 1918

Board of Directors

ROBERT E. ALVARADO Division 1

JOE ESTES

MARCO HENRIQUEZ Division 3

KATHY MAC LARE Division 4

VINCENT DINO Division 5

ALESHIRE & WYNDE Attorneys



September 21, 2017

Agenda for Regular Meeting of the Board of Directors of the Palmdale Water District to be held at the District's office at 2029 East Avenue Q, Palmdale and remotely at the Monterey Marriott Hotel, 350 Calle Principal, Monterey

Wednesday, September 27, 2017 7:00 p.m.

<u>NOTES</u>: To comply with the Americans with Disabilities Act, to participate in any Board meeting please contact Dawn Deans at 661-947-4111 x1003 at least 48 hours prior to a Board meeting to inform us of your needs and to determine if accommodation is feasible.

Additionally, an interpreter will be made available to assist the public in making **comments** under Agenda Item No. 4 and any action items where public input is offered during the meeting if requested at least 48 hours before the meeting. Please call Dawn Deans at 661-947-4111 x1003 with your request. (PWD Rules and Regulations Section 4.03.1 (c))

Adicionalmente, un intérprete estará disponible para ayudar al público a hacer <u>comentarios</u> bajo la sección No. 4 en la agenda y cualquier elemento de acción donde se ofrece comentarios al público durante la reunión, siempre y cuando se solicite con 48 horas de anticipación de la junta directiva. Por favor de llamar Dawn Deans al 661-947-4111 x1003 con su solicitud. (PWD reglas y reglamentos sección 4.03.1 (c))

Agenda item materials, as well as materials related to agenda items submitted after distribution of the agenda packets, are available for public review at the District's office located at 2029 East Avenue Q, Palmdale (Government Code Section 54957.5). Please call Dawn Deans at 661-947-4111 x1003 for public review of materials.

<u>PUBLIC COMMENT GUIDELINES:</u> The prescribed time limit per speaker is three-minutes. Please refrain from public displays or outbursts such as unsolicited applause, comments, or cheering. Any disruptive activities that substantially interfere with the ability of the District to carry out its meeting will not be permitted and offenders will be requested to leave the meeting. (PWD Rules and Regulations, Appendix DD, Sec. IV.A.)

Each item on the agenda shall be deemed to include any appropriate motion, resolution, or ordinance to take action on any item.

- 1) Pledge of Allegiance/Moment of Silence.
- 2) Roll Call.
- 3) Adoption of Agenda.
- 4) Public comments for non-agenda items.

- 5) Presentations:
 - 5.1) None at this time.
- 6) Action Items Consent Calendar (The public shall have an opportunity to comment on any action item on the Consent Calendar as the Consent Calendar is considered collectively by the Board of Directors prior to action being taken.)
 - 6.1) Approval of minutes of regular meeting held September 13, 2017.
 - 6.2) Payment of bills for September 27, 2017.
 - 6.3) Approval of Resolution No. 17-23 being a Resolution of the Board of Directors of the Palmdale Water District Amending the Conflict of Interest and Disclosure Code for the Palmdale Water District. (General Manager LaMoreaux)
- 7) Action Items Action Calendar (The public shall have an opportunity to comment on any action item as each item is considered by the Board of Directors prior to action being taken.)
 - 7.1) Status report on Cash Flow Statement and Current Cash Balances as of July, 2017. (Financial Advisor Egan/Finance Committee)
 - 7.2) Status report on Financial Statements, Revenue, and Expense and Departmental Budget Reports for July, 2017. (Finance Manager Williams/Finance Committee)
 - 7.3) Status report on committed contracts issued and water revenue bond projects. (Finance Manager Williams/Finance Committee)
 - 7.4) Discussion and possible action on policy for use of the Palmdale Water District's drone. (President Alvarado/Information Technology Manager Stanton/General Counsel Dunn)
 - 7.5) Consideration and possible action on Outreach activities for 2017. (Public Affairs Director Shay)
 - a) Update on 100th year anniversary events.
 - b) Outreach plans for 2017.
 - c) Upcoming events.
 - d) Outreach recommendations from Directors.
 - 7.6) Consideration and possible action on Resolution No. 17-24 being a Resolution of the Board of Directors of the Palmdale Water District Recognizing September 15
 October 15 as National Hispanic Heritage Month. (President Alvarado)
 - 7.7) Consideration and possible action on authorization of the following conferences, seminars, and training sessions for Board and staff attendance within budget amounts previously approved in the 2017 Budget:
 - a) American Water Works Association (AWWA) Annual Fall Conference "Water in the Wild West" to be held October 23 26, 2017 in Reno, Nevada.
 - b) ArcGIS for Server: Site Configuration and Administration Course to be held December 11 13, 2017 in Broomfield, Colorado.

- 8) Information Items:
 - 8.1) Reports of Directors:
 - a) President's Report.
 - b) Meetings/General Report.
 - c) Standing Committee/Assignment Reports (Chair):
 - 1) Finance Committee
 - 2) Palmdale Recycled Water Authority
 - 8.2) Report of General Manager.
 - a) September, 2017 written report of activities through August, 2017.
 - 8.3) Report of General Counsel.
- 9) Public comments on closed session agenda matters.
- 10) Break prior to closed session.
- 11) Closed session under:
 - 11.1) Conference with Legal Counsel Existing Litigation: A closed session will be held, pursuant to Government Code §54956.9 (d)(1), to confer with Special Litigation Counsel regarding existing litigation to which the District is a party. The title of such litigation is as follows: *Antelope Valley Ground Water Cases*.
 - 11.2) Conference with Legal Counsel Existing Litigation: A closed session will be held, pursuant to Government Code §54956.9 (d)(1), to confer with legal counsel regarding pending litigation to which the District is a party. The title of such litigation is as follows: Central Delta Water Agency vs. Department of Water Resources; Sacramento Superior Court Case No. 34-2010-80000561.
- 12) Public report of any action taken in closed session.
- 13) Board members' requests for future agenda items.

La Mneoux

14) Adjournment.

DENNIS D. LaMOREAUX,

General Manager

DDL/dd

PALMDALE WATER DISTRICT

BOARD MEMORANDUM

DATE: September 20, 2017 **September 23, 2017**

TO: BOARD OF DIRECTORS **Regular Board Meeting**

FROM: Mr. Dennis D. LaMoreaux, General Manager

RE: AGENDA ITEM NO. 6.3 - APPROVAL OF RESOLUTION NO. 17-23 BEING A

RESOLUTION OF THE BOARD OF DIRECTORS OF THE PALMDALE WATER DISTRICT AMENDING THE CONFLICT OF INTEREST AND DISCLOSURE CODE FOR THE PALMDALE WATER DISTRICT. (GENERAL MANAGER LaMOREAUX)

Recommendation:

Staff recommends approving Resolution No. 17-23 Amending the Conflict of Interest and Disclosure Code for the Palmdale Water District.

Alternative Option:

There is no alternative option due to position title revisions.

Background:

The Political Reform Act requires every local government agency to review its conflict of interest code biennially to determine if any changes are needed. Exhibit B of the District's conflict of interest code must be amended to reflect the title change of Public Affairs & Sustainability Director to Public Affairs Director. No other changes are required.

Strategic Plan Initiative:

This work is part of Strategic Initiative 5 – Regional Leadership.

Budget:

Approval of Resolution No. 17-23 will have no financial impact.

Supporting Documents:

• Resolution No. 17-23 Amending the Conflict of Interest and Disclosure Code for the Palmdale Water District.

RESOLUTION NO. 17-23

RESOLUTION OF THE BOARD OF DIRECTORS OF THE PALMDALE WATER DISTRICT AMENDING THE CONFLICT OF INTEREST AND DISCLOSURE CODE FOR THE PALMDALE WATER DISTRICT

WHEREAS, the Political Reform Act ("Act"), Government Code Section 81000, et seq., requires state and local government agencies to adopt and promulgate conflict of interest codes; and

WHEREAS, under the Act, the District must periodically review its internal organization to determine: (i) whether any position that has been added to the District constitutes a designated position under the District's Conflict of Interest and Disclosure Code ("Code"); or (2) whether the duties of any existing position that is currently not a designated position have changed such that the position now constitutes a designated position under the District's Code; and

WHEREAS, the District's Code was last approved by the County of Los Angeles Board of Supervisors effective December 21, 2016; and

WHEREAS, Exhibit B of the District's Code must be modified to revise the title of Public Affairs & Sustainability Director to Public Affairs Director as reflected on the Palmdale Water District Organization Chart attached hereto as "Exhibit 1" and as shown on the revised Code attached hereto as "Exhibit 2" both incorporated herein by reference; and

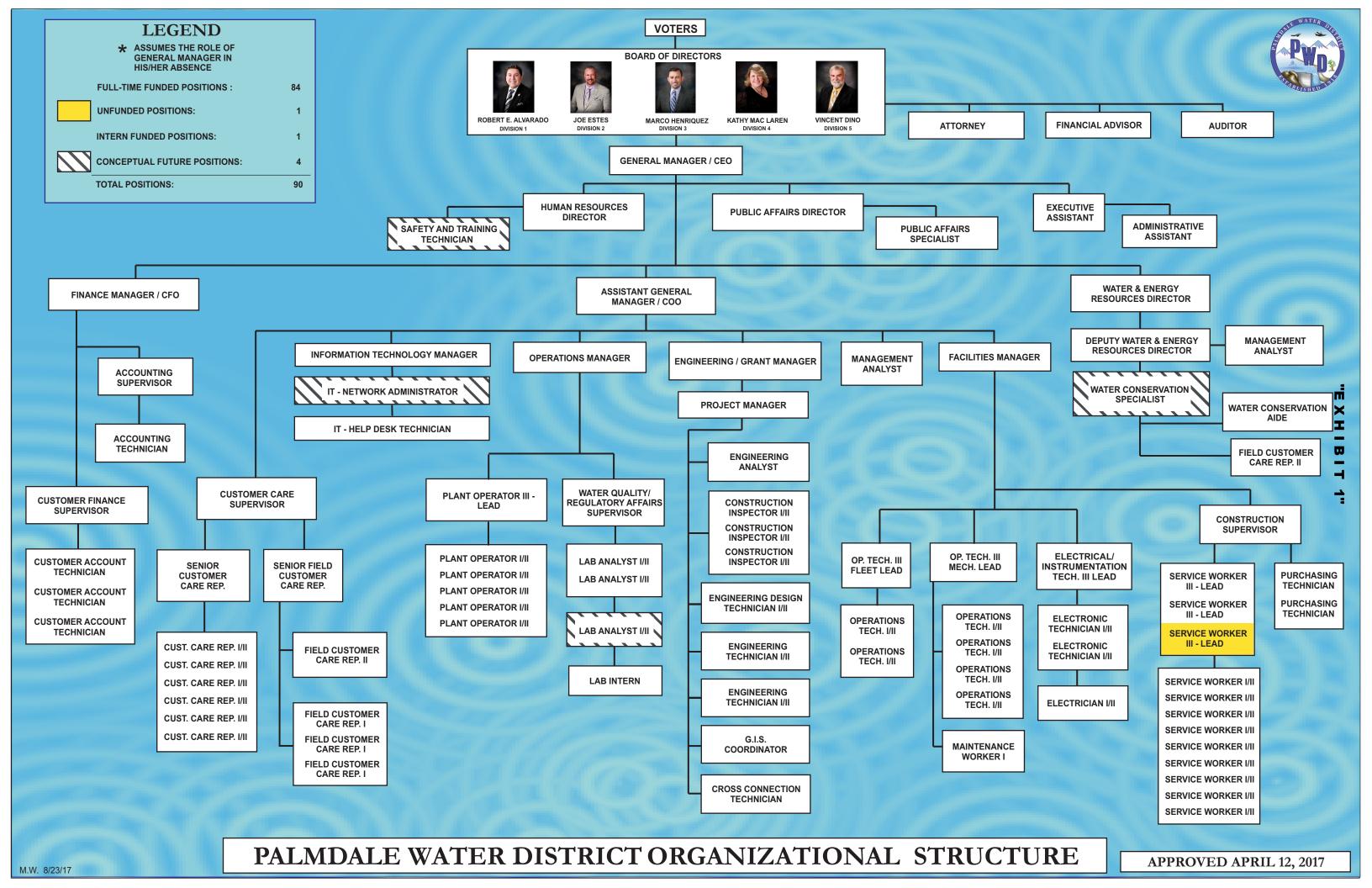
WHEREAS, to meet the requirements of the Act, the District must amend its Conflict of Interest and Disclosure Code to reflect this change.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Palmdale Water District does hereby amend Exhibit B of its Conflict of Interest and Disclosure Code, setting forth the designated positions within the District and their disclosure obligations, as set forth on the attached "Exhibit 2."

BE IT FURTHER RESOLVED, that individuals holding newly-designated positions shall file Statements of Economic – Assuming Office Statements with the District General Manager or his designee, as required under the District's Code. All other individuals holding designated positions shall file Statements of Economic Interests as required by law and the District's Code. Within five days of receipt of the Statements filed by the Directors and by the General Manager, the District shall make and retain copies and forward the originals of these statements to the Los Angeles County Board of Supervisors. Statements for all other designated individuals will be retained by the District.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Palmdale Water District held on September 27, 2017.

	Robert Alvarado, President
ATTEST:	
Joe Estes, Secretary	
APPROVED AS TO FORM:	
BY:	



Conflict of Interest Code of the

PALMDALE WATER DISTRICT

Incorporation of FPPC Regulation 18730 (2 California Code of Regulations, Section 18730) by Reference

The Political Reform Act (Government Code Section 81000, et seq.) requires state and local government agencies to adopt and promulgate conflict of interest codes. The Fair Political Practices Commission has adopted a regulation (2 Cal. Code of Regs. 18730), which contains the terms of a standard conflict of interest code. After public notice and hearing, it may be amended by the Fair Political Practices Commission to conform to amendments in the Political Reform Act. Therefore, the terms of 2 California Code of Regulations Section 18730, and any amendments to it duly adopted by the Fair Political Practices Commission, are hereby incorporated into the conflict of interest code of this agency by reference. This regulation and the attached Appendices (or Exhibits) designating officials and employees and establishing economic disclosure categories shall constitute the conflict of interest code of this agency.

Place of Filing of Statements of Economic Interests

All officials and employees required to submit a statement of economic interests shall file their statements with the agency head; or his or her designee. The agency shall make and retain a copy of all statements filed by its Board of Directors, General Manager/CEO, and forward the originals of such statements to the Executive Office of the Board of Supervisors of Los Angeles County.

The agency shall retain the originals of statements for all other Designated Positions named in the agency's conflict of interest code. All retained statements, original or copied, shall be available for public inspection and reproduction (Gov. Code Section 81008).

PALMDALE WATER DISTRICT

EXHIBIT "A"

CATEGORY 1

Persons in this category shall disclose, in accordance with this Code, all interest in real property within the District, except personal residences or property used primarily for personal recreational purposes. Real property shall be deemed to be within the jurisdiction of the District if the property or any part of it is located within or not more than two miles outside the boundaries of the District or within two miles of any land owned or used by the District.

Persons are not required to disclose a residence, such as a home or vacation cabin, used exclusively as a personal residence; however, a residence in which a person rents out a room or for which a person claims a business deduction may be reportable.

CATEGORY 2

Persons in this category shall disclose in accordance with this Code, all income (including receipt of gifts, loans and travel payments) from, investments in, and business positions with in businesses that produce products or provide services of a type utilized by the District, including the following areas:

Office equipment and supplies

Banks and savings and loans institutions

Securities dealers and underwriters

Real property

Public utilities

Financial audit services

Insurance services

Computer equipment, services, and supplies

Printing, reproduction, or photographic equipment, services and supplies

Periodicals, books, newspapers

Chemicals

Motor vehicles and specialty vehicles, parts and supplies

Construction and maintenance equipment, services and supplies and building materials

Petroleum products

Transportation and lodging services

Safety equipment and supplies

Security services

Food services and supplies

Communication services

PALMDALE WATER DISTRICT

EXHIBIT "A" (Cont'd)

CATEGORY 2 (Cont'd)

Water quality testing equipment, supplies and services
Cathodic protection equipment, services and supplies
Engineering services
Employment / temporary help agencies
Educational equipment, services and supplies
Medical supplies, services and informational materials
Landscape services and supplies
Typographical services
4-color separations

General and specialty equipment rentals

Consulting Services: legal, energy and power, engineering, soils testing, water treatment, advertising, communications, design, art work, audio/visual, movie productions, planning, water pricing and demand, economists, desalting, environmental, appraisers, real estate sales, and investment services.

CATEGORY 3

Consultants performing the duties of any designated position shall be required to file Statements of Economic Interests disclosing reportable interests in the categories assigned to that designated position.

In addition, consultants who, under contract, participate in decisions which affect financial interests by providing information, advice, recommendation or counsel to the District, or which could affect financial interests, and those consultants who, under contract, exercise primary responsibility for the management of public investments, shall be required to file Statements of Economic Interests disclosing reportable interests as determined by the General Manager of the District. (See footnote in Exhibit "B" for clarification*

"EXHIBIT 2"

PROPOSED CODE

PALMDALE WATER DISTRICT

EXHIBIT "B"

Designated Positions	Disclosure Categories	
Members of Board of Directors	1, 2	
General Manager/CEO	2	
Assistant General Manager/COO	2 .	
Water and Energy Resources Director	2	
Operations Manager	2	
Facilities Manager	2	
Finance Manager/CFO	2	
Engineering/Grant Manager	2	
Human Resources Director	2	
Information Technology Manager	2	
Public Affairs Director (was) Public Affairs & Sustainability Director	2 Title Chan	ge
Consultants/New Positions	3 *	

PALMDALE WATER DISTRICT

EXHIBIT "B"

*Consultants/New Positions are included in the list of designated positions and shall disclose pursuant to the broadest disclosure category in the code, subject to the following limitations:

The General Manager/CEO or his or her designee may determine in writing that a particular consultant or new position, although a "designated position," is hired to perform a range of duties that is limited in scope and thus is not required to fully comply with disclosure requirements in this section. Such written determination shall include a description of the consultant's or new position's duties and, based upon that description, a statement of the extent of disclosure requirements. The General Manager/CEO or his or her designee's determination is a public record and shall be retained for public inspection in the same manner and location as this conflict-of-interest code. (Gov. Code Section 81008.)

Individuals who perform under contract the identical duties of any designated position shall be required to file Statements of Economic Interests disclosing reportable interests in the categories assigned to that designated position.

EFFECTIVE DATE:

PALMDALE WATER DISTRICT

BOARD MEMORANDUM

DATE: September 20, 2017 September 27, 2017

TO: BOARD OF DIRECTORS Board Meeting

FROM: Mr. Bob Egan, Financial Advisor

RE: AGENDA ITEM NO. 7.1 – STATUS REPORT ON CASH FLOW STATEMENT

AND CURRENT CASH BALANCES AS OF JULY, 2017.

Attached is the Investment Funds Report and current cash balance as of July 31, 2017. The reports will be reviewed in detail at the Board meeting.

PALMDALE WATER DISTRICT INVESTMENT FUNDS REPORT July 31, 2017

CA.	SH					<u>July 2017</u>	<u>June 2017</u>
-00-0103-100	•					113,920.40	520,241.
-00-0103-200 -00-0103-300	Citizens - Refund Citizens - Merchant					- 2,590.41	(4,812.4 126,656.3
00 0103 300	Citizens Wierendin	•			Bank Total	116,510.81	642,085.0
	DETTY CASH					222.22	200
-00-0110-000 -00-0115-000	CASH ON HAND					300.00 5,400.00	300.0 5,400.0
					TOTAL CASH	122,210.81	647,785.0
					TOTAL CASH	122,210.81	047,783.0
INVEST							
-00-0135-000					Acct. Total	11,894.87	11,867.
-00-0120-000	UBS Money Market	t Account General (SS 1146) ent Portfolio	9)			2,176,485.39	2,047,393.
	UBS Bank USA Dep					250,000.00	250,000.
		Accrued interest				13,518.26	11,746.
						2,440,003.65	2,309,139.
	US Government Se						
	CUSIP#	Issuer	Maturity Date	Rate	PAR	Market Value	Market Valu
	912796LB3 912828C24	US Treasury Note US Treasury Note	12/07/2017 02/28/2019	0.000 1.490	1,000,000 1,000,000	996,310.00 1,002,660.00	995,330. 1,002,070.
	31202002	oo measary more	02, 20, 2013	21.130	2,000,000	1,998,970.00	1,997,400.
	Certificates of Depo	osit			2,000,000	1,550,570.00	1,337,400.
	certificates of Dept	Issuer	Maturity Date	Rate	Face Value		
	1	Capitol One Bank	08/14/2017	1.200	240,000	240,019.20	240,060.
	2	Triumph Bank	09/26/2017	0.800	200,000	200,012.00	200,004
	3	MB Finl Bank	10/26/2017	0.850	200,000	199,856.00	199,828
	4	Bank United Miami	11/21/2017	1.200	240,000	240,009.60	240,062
	5	Compass Bank	12/11/2017	1.300	200,000	200,058.00	200,122
	6 7	Goldman Sachs Bank NY Stearns Bank	01/29/2018 05/03/2018	1.350 1.050	240,000 240,000	240,079.20 239,452.80	240,208 239,536
	8	Sallie Mae Bank	09/04/2018	1.800	200,000	200,208.00	200,376
	9	Medallion Bank	09/07/2018	1.750	200,000	200,626.00	200,824
	10	Midland States Bank	02/28/2019	1.400	240,000	239,436.00	239,498
	11	Key Bank	03/29/2019	1.500	240,000	239,740.80	239,798
					2,440,000	2,439,497.60	2,440,318
					Acct. Total	6,878,471.25	6,746,858.
-00-1110-000	UBS Money Market	t Account Capital (SS 11475)				
	UBS Bank USA Dep					250,000.00	250,000
	UBS RMA Governme	ent Porttolio					463,742.
		che i di tiono			Acct. Total	788,099.01 1,038,099.01	713,742.
					Acct. Total	4 222 222 24	
-00-0125-000		nt General (SS 11432)			Acct. Total	1,038,099.01	713,742
-00-0125-000	UBS Access Accoun UBS Bank USA Dep UBS RMA Governme	nt General (SS 11432)			Acct. Total	4 222 222 24	713,742
-00-0125-000	UBS Bank USA Dep	nt General (SS 11432)			Acct. Total	1,038,099.01	713,742 .
-00-0125-000	UBS Bank USA Dep	nt General (SS 11432) acct ent Portfolio			Acct. Total	1,038,099.01 60,625.85	713,742 60,100 21,657
-00-0125-000	UBS Bank USA Dep UBS RMA Government US Government Se	acct ent Portfolio Accrued interest				1,038,099.01 60,625.85 - 28,317.97 88,943.82	713,742 60,100 21,657 81,757
-00-0125-000	UBS Bank USA Dep UBS RMA Government US Government Sec CUSIP #	at General (SS 11432) acct ent Portfolio Accrued interest curities Issuer	Maturity Date	Rate	PAR	1,038,099.01 60,625.85 - 28,317.97 88,943.82 Market Value	713,742 60,100 21,657 81,757 Market Value
-00-0125-000	UBS Bank USA Dep UBS RMA Government US Government Sec CUSIP # 912828XF2	acct ent Portfolio Accrued interest curities Issuer US Treasury Note	06/15/2018	1.125	PAR 1,000,000	1,038,099.01 60,625.85 - 28,317.97 88,943.82 Market Value 999,060.00	713,742 60,100 21,657 81,757 Market Value 998,400
-00-0125-000	USS Bank USA Dep UBS RMA Government US Government Sec CUSIP # 912828XF2 912828KD1	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note	06/15/2018 02/15/2019	1.125 2.610	PAR 1,000,000 1,500,000	1,038,099.01 60,625.85 - 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405
-00-0125-000	UBS Bank USA Dep UBS RMA Government US Government Sec CUSIP # 912828XF2	acct ent Portfolio Accrued interest curities Issuer US Treasury Note	06/15/2018	1.125	PAR 1,000,000 1,500,000 1,000,000	1,038,099.01 60,625.85 - 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350
-00-0125-000	USS Bank USA Dep. UBS RMA Government US Government Sec CUSIP # 912828XF2 912828KD1 912828P53	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note	06/15/2018 02/15/2019	1.125 2.610	PAR 1,000,000 1,500,000	1,038,099.01 60,625.85 - 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350
-00-0125-000	USS Bank USA Dep UBS RMA Government US Government Sec CUSIP # 912828XF2 912828KD1	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note	06/15/2018 02/15/2019 02/15/2019	1.125 2.610	PAR 1,000,000 1,500,000 1,000,000	1,038,099.01 60,625.85 - 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00	713,742 60,100 21,657 81,757 Market Vali 998,400 1,533,405 990,350
-00-0125-000	USS Bank USA Dep. UBS RMA Government US Government Sec CUSIP # 912828XF2 912828KD1 912828P53	acct ent Portfolio Accrued interest curities Issuer US Treasury Note	06/15/2018 02/15/2019 02/15/2019 Maturity Date	1.125 2.610 0.750	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350 3,522,155
-00-0125-000	USS Bank USA Dep. UBS RMA Government US Government Sec CUSIP # 912828XF2 912828KD1 912828P53	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note OS Treasury Note	06/15/2018 02/15/2019 02/15/2019	1.125 2.610 0.750	PAR 1,000,000 1,500,000 1,000,000 3,500,000	1,038,099.01 60,625.85 - 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00	713,742 60,100 21,657 81,757 Market Vali 998,400 1,533,405 990,350 3,522,155
-00-0125-000	US Government Sec CUSIP # 912828XF2 912828KD1 912828P53	acct ent Portfolio Accrued interest curities US Treasury Note	06/15/2018 02/15/2019 02/15/2019 Maturity Date 11/15/2018	1.125 2.610 0.750 Rate 1.960	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00	713,742 60,100 21,657 81,757 Market Vali 998,400 1,533,405 990,350 3,522,155 241,797 239,299
-00-0125-000	US Government Sec CUSIP # 912828XF2 912828KD1 912828P53	acct ent Portfolio Accrued interest curities US Treasury Note	06/15/2018 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019	1.125 2.610 0.750 Rate 1.960 1.350	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350 3,522,155 241,797 239,299 240,472
-00-0125-000	US Government Sec CUSIP # 912828XF2 912828KD1 912828P53	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank	06/15/2018 02/15/2019 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 240,000 240,000	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350 3,522,155 241,797 239,299 240,472 241,584 235,480
-00-0125-000	US Government Sec CUSIP # 912828XF2 912828KD1 912828P53	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY	06/15/2018 02/15/2019 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 11/23/2020	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 240,000 77,000	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350 3,522,155 241,797 239,299 240,472 241,584 235,480 75,587
-00-0125-000	US Government Sec CUSIP # 912828XF2 912828KD1 912828P53	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank	06/15/2018 02/15/2019 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 240,000 77,000 163,000	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 241,308.00 255,264.80 75,516.98 165,334.16	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350 3,522,155 241,797 239,299 240,472 241,584 235,480 75,587 165,608
-00-0125-000	US Government Sec CUSIP # 912828XF2 912828KD1 912828P53	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY	06/15/2018 02/15/2019 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 11/23/2020	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 240,000 163,000 1,440,000	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94	713,742. 60,100. 21,657. 81,757. Market Valu. 998,400. 1,533,405. 990,350. 3,522,155. 241,797. 239,299. 240,472. 241,584. 235,480. 75,587. 165,608. 1,439,830.
-00-0125-000	US Government Sec CUSIP # 912828XF2 912828KD1 912828P53	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY	06/15/2018 02/15/2019 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 11/23/2020	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 240,000 163,000 1,440,000 Acct. Total	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76	713,742. 60,100 21,657 81,757. Market Valu 998,400 1,533,405 990,350 3,522,155. 241,797 239,299 240,472 241,584 235,480 75,587 165,608 1,439,830. 5,043,743.
	US Government Sec CUSIP # 912828XF2 912828KD1 912828P53	acct ent Portfolio Accrued interest curities US Treasury Note US Treasury Note US Treasury Note US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank	06/15/2018 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 11/23/2020 01/19/2021	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 240,000 163,000 1,440,000	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94	713,742. 60,100 21,657 81,757. Market Valu 998,400 1,533,405 990,350 3,522,155. 241,797 239,299 240,472 241,584 235,480 75,587 165,608 1,439,830. 5,043,743.
	US Government Security # 912828XF2 912828KD1 912828P53 Certificates of Deport	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank ion Fund (SS 24016) - District	06/15/2018 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 11/23/2020 01/19/2021	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 240,000 163,000 1,440,000 Acct. Total	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76 12,979,110.89	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350 3,522,155 241,797 239,299 240,472 241,584 235,480 75,587 165,608 1,439,830 5,043,743
	US Government Sec CUSIP # 912828XF2 912828KD1 912828P53	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank ion Fund (SS 24016) - District acct	06/15/2018 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 11/23/2020 01/19/2021	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 240,000 163,000 1,440,000 Acct. Total	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350 3,522,155 241,797 239,299 240,472 241,584 235,480 75,587 165,608 1,439,830 5,043,743
	US Government Security # 912828XF2 912828KD1 912828P53 Certificates of Depote # 912828 CERTIFICATION OF THE PROPERTY OF THE P	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank ion Fund (SS 24016) - District acct	06/15/2018 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 11/23/2020 01/19/2021	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 240,000 163,000 1,440,000 Acct. Total	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76 12,979,110.89	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350 3,522,155 241,797 239,299 240,472 241,584 235,480 75,587 165,608 1,439,830 5,043,743 12,516,211
	US Government Security # 912828XF2 912828KD1 912828P53 Certificates of Depote # 912828 CERTIFICATION OF THE PROPERTY OF THE P	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note US Treasury Note STreasury Note US Treasury Note US Treasury Note OSIT ISSUER BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank ion Fund (SS 24016) - District acct ent Portfolio	06/15/2018 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 11/23/2020 01/19/2021	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 240,000 163,000 1,440,000 Acct. Total	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76 12,979,110.89	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350 3,522,155 241,797 239,299 240,472 241,584 235,480 75,587 165,608 1,439,830 5,043,743 12,516,211 1,674 1,688
	US Government Security # 912828XF2 912828KD1 912828P53 Certificates of Depote # 912828 CERTIFICATION OF THE PROPERTY OF THE P	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank ion Fund (SS 24016) - District acct ent Portfolio Accrued interest	06/15/2018 02/15/2019 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 01/19/2021	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900 Total Mana	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 77,000 163,000 1,440,000 Acct. Total aged Accounts	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76 12,979,110.89	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350 3,522,155 241,797 239,299 240,472 241,584 235,480 75,587 165,608 1,439,830 5,043,743 12,516,211 1,674 1,688
	US Government Security # 912828XF2 912828KD1 912828P53 Certificates of Deposition UBS Rate Stabilization UBS Rate Stabilization UBS RMA Government	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank ion Fund (SS 24016) - District acct ent Portfolio Accrued interest osit Issuer	06/15/2018 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 01/19/2021	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900 Total Mana	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 77,000 163,000 1,440,000 Acct. Total aged Accounts	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76 12,979,110.89 4,031.82 495.11 4,526.93	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350 3,522,155 241,797 239,299 240,472 241,584 235,480 75,587 165,608 1,439,830 5,043,743 12,516,211 1,674 1,688 3,363
	US Government Security # 912828XF2 912828KD1 912828P53 Certificates of Deposition UBS Rate Stabilization UBS Rate Stabilization UBS RMA Government	acct ent Portfolio Accrued interest curities Issuer US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank ion Fund (SS 24016) - District acct ent Portfolio Accrued interest osit Issuer Webbank UT US	06/15/2018 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 01/19/2021 ct Restricted Maturity Date 12/19/2018	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900 Total Mana	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 77,000 163,000 1,440,000 Acct. Total aged Accounts Face Value	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76 12,979,110.89 4,031.82 495.11 4,526.93	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350 3,522,155 241,797 239,299 240,472 241,584 235,480 75,587 165,608 1,439,830 5,043,743 12,516,211 1,674 1,688 3,363
	US Government Security # 912828XF2 912828KD1 912828P53 Certificates of Deposition UBS Rate Stabilization UBS Rate Stabilization UBS RMA Government	acct ent Portfolio Accrued interest curities Issuer US Treasury Note US Treasury Note US Treasury Note US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank ion Fund (SS 24016) - District acct ent Portfolio Accrued interest osit Issuer	06/15/2018 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 01/19/2021	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900 Total Mana	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 1,440,000 Acct. Total aged Accounts Face Value 240,000 240,000 240,000	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76 12,979,110.89 4,031.82 495.11 4,526.93	713,742. 60,100 21,657 81,757. Market Valu 998,400 1,533,405 990,350 3,522,155. 241,797 239,299 240,472 241,584 235,480 75,587 165,608 1,439,830 5,043,743 12,516,211 1,674 1,688 3,363.
	US Government Security # 912828XF2 912828KD1 912828P53 Certificates of Deposition UBS Rate Stabilization UBS Rate Stabilization UBS RMA Government	acct ent Portfolio Accrued interest curities Issuer US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank ion Fund (SS 24016) - District acct ent Portfolio Accrued interest osit Issuer Webbank UT US	06/15/2018 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 01/19/2021 ct Restricted Maturity Date 12/19/2018	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900 Total Mana	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 77,000 163,000 1,440,000 Acct. Total aged Accounts Face Value	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76 12,979,110.89 4,031.82 495.11 4,526.93	713,742 60,100 21,657 81,757 Market Valu 998,400 1,533,405 990,350 3,522,155 241,797 239,299 240,472 241,584 235,480 75,587 165,608 1,439,830 5,043,743 12,516,211 1,674 1,688 3,363
	US Government Security # 912828XF2 912828KD1 912828P53 Certificates of Deposition UBS Rate Stabilization UBS Rate Stabilization UBS RMA Government	acct ent Portfolio Accrued interest curities Issuer US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank ion Fund (SS 24016) - District acct ent Portfolio Accrued interest osit Issuer Webbank UT US	06/15/2018 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 01/19/2021 ct Restricted Maturity Date 12/19/2018	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900 Total Mana	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 1,440,000 Acct. Total aged Accounts Face Value 240,000 240,000 240,000	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76 12,979,110.89 4,031.82 495.11 4,526.93	713,742. 60,100. 21,657. 81,757. Market Valu. 998,400. 1,533,405. 990,350. 3,522,155. 241,797. 239,299. 240,472. 241,584. 235,480. 75,587. 165,608. 1,439,830. 5,043,743. 12,516,211. 1,674. 1,688. 3,363.
-00-0125-000	US Government Security # 912828XF2 912828KD1 912828P53 Certificates of Deposition UBS Rate Stabilization UBS Rate Stabilization UBS RMA Government	acct ent Portfolio Accrued interest curities Issuer US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank ion Fund (SS 24016) - District acct ent Portfolio Accrued interest osit Issuer Webbank UT US	06/15/2018 02/15/2019 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 01/19/2021 ct Restricted Maturity Date 12/19/2018 12/24/2018	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900 Total Man: Rate 1.400 1.500	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 1,440,000 Acct. Total aged Accounts Face Value 240,000 240,000 Acct. Total Acct. Total	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76 12,979,110.89 4,031.82 495.11 4,526.93 239,618.40 239,937.60 479,556.00 484,082.93	713,742. 60,100. 21,657. 81,757. Market Valu. 998,400. 1,533,405. 990,350. 3,522,155. 241,797. 239,299. 240,472. 241,584. 235,480. 75,587. 165,608. 1,439,830. 5,043,743. 12,516,211. 1,674. 1,688. 3,363. 240,028. 240,381. 480,410.
	US Government Security # 912828XF2 912828KD1 912828P53 Certificates of Deposition UBS Rate Stabilization UBS Rate Stabilization UBS RMA Government	acct ent Portfolio Accrued interest curities Issuer US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank ion Fund (SS 24016) - District acct ent Portfolio Accrued interest osit Issuer Webbank UT US	06/15/2018 02/15/2019 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 01/19/2021 ct Restricted Maturity Date 12/19/2018 12/24/2018	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900 Total Mana	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 1,440,000 Acct. Total aged Accounts Face Value 240,000 480,000 Acct. Total	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76 12,979,110.89 4,031.82 495.11 4,526.93 239,618.40 239,937.60 479,556.00 484,082.93 13,585,404.63	713,742. 60,100. 21,657. 81,757. Market Valu 998,400. 1,533,405. 990,350. 3,522,155. 241,797. 239,299. 240,472. 241,584. 235,480. 75,587. 165,608. 1,439,830. 5,043,743. 12,516,211. 1,674. 1,688. 3,363. 240,028. 240,381. 480,410.
	US Government Security # 912828XF2 912828KD1 912828P53 Certificates of Deposition UBS Rate Stabilization UBS Rate Stabilization UBS RMA Government	acct ent Portfolio Accrued interest curities Issuer US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank ion Fund (SS 24016) - District acct ent Portfolio Accrued interest osit Issuer Webbank UT US	06/15/2018 02/15/2019 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 01/19/2021 ct Restricted Maturity Date 12/19/2018 12/24/2018	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900 Total Mana	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 1,440,000 Acct. Total aged Accounts Face Value 240,000 240,000 Acct. Total Acct. Total	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76 12,979,110.89 4,031.82 495.11 4,526.93 239,618.40 239,937.60 479,556.00 484,082.93	
	UBS Bank USA Dep UBS RMA Government Security # 912828XF2 912828KD1 912828P53 Certificates of Deposition of Deposi	acct ent Portfolio Accrued interest curities Issuer US Treasury Note Sosit Issuer BMW Bank La Salle Bank American Express Synchrony Bank JP Morgan Chase Bank Bank of Baroda NY Comenity Cap Bank ion Fund (SS 24016) - District acct ent Portfolio Accrued interest osit Issuer Webbank UT US	06/15/2018 02/15/2019 02/15/2019 02/15/2019 Maturity Date 11/15/2018 03/01/2019 04/29/2019 04/14/2020 11/18/2020 01/19/2021 ct Restricted Maturity Date 12/19/2018 12/24/2018	1.125 2.610 0.750 Rate 1.960 1.350 1.440 1.850 1.600 1.900 Total Mana	PAR 1,000,000 1,500,000 1,000,000 3,500,000 Face Value 240,000 240,000 240,000 1,440,000 Acct. Total aged Accounts Face Value 240,000 480,000 Acct. Total	1,038,099.01 60,625.85 28,317.97 88,943.82 Market Value 999,060.00 1,532,580.00 991,450.00 3,523,090.00 241,536.00 239,244.00 240,408.00 241,308.00 235,264.80 75,516.98 165,334.16 1,438,611.94 5,050,645.76 12,979,110.89 4,031.82 495.11 4,526.93 239,618.40 239,937.60 479,556.00 484,082.93 13,585,404.63	713,742. 60,100. 21,657. 81,757. Market Valu 998,400. 1,533,405. 990,350. 3,522,155. 241,797. 239,299. 240,472. 241,584. 235,480. 75,587. 165,608. 1,439,830. 5,043,743. 12,516,211. 1,674. 1,688. 3,363. 240,028. 240,381. 480,410.

PALMDALE WATER DISTRICT

					ALE WATER L								İ	Budget 2018
			2017 Ca	ash Flow Repo	Ort (Based on No	v. 22, 2016 Approv	ved Budget)					1		Carryover
-	January	February	March	April	May	June	July	August	September	October	November	December	YTD	Information
Total Cash Beginning Balance (BUDGET)	12,888,144	12,591,298	12,125,487	9,811,099	10,852,433	11,101,609	10,602,468	10,269,501	10,564,441	8,273,846	8,294,757	8,535,850		
Total Cash Beginning Balance	12,883,393	13,217,019	13,413,293	11,445,512	13,404,252	14,487,145	13,647,771	13,585,405	13,648,651	10,727,932	10,929,754	10,633,070		
Budgeted Water Receipts	1,607,158	1,463,315	1,532,426	1,684,307	1,746,031	1,895,010	2,343,532	2,248,451	2,409,722	2,187,005	1,948,605	1,734,438	22,800,000	
Water Receipts	2,124,125	1,731,155	1,636,067	1,539,982	1,904,555	1,985,256	1,994,344	2,248,451	2,409,722	2,187,005	1,948,605	1,734,438	23,443,705	
DWR Refund (Operational Related)		2,189		1,894									4,083	
Other													-	
Total Operating Revenue (BUDGET)													-	
Total Operating Revenue (ACTUAL)	2,124,125	1,733,344	1,636,067	1,541,876	1,904,555	1,985,256	1,994,344	2,248,451	2,409,722	2,187,005	1,948,605	1,734,438	23,447,788	
Total Operating Expenses excl GAC (BUDGET)	(1,433,015)	(1,410,412)	(1,843,115)	(1,795,526)	(1,815,868)	(1,666,439)	(2,049,698)	(1,869,774)	(2,078,927)	(1,678,858)	(1,660,776)	(1,794,941)	(21,097,350)	
GAC (BUDGET)	(1,433,013)	(121,780)	(1,043,113)	(220,000)	(1,013,000)	(1,000,433)	(65,000)	(1,003,774)	(190,000)	(1,070,030)	(1,000,770)	(190,000)	(786,780)	
Operating Expenses excl GAC (ACTUAL)	(1,426,614)	(1,496,496)	(1,366,407)	(1,531,765)	(1,701,914)	(1,619,574)	(1,859,068)	(1,869,774)	(2,078,927)	(1,678,858)	(1,660,776)	(1,794,941)	(20,085,114)	
GAC	(169,477)	-	(169,477)	-	(91,712)	(91,462)	-	(169,477)	(67,128)	-	(190,000)	-	(948,734)	
Prepaid Insurance (paid)/refunded	-	-	(67,198)	-	-	-	-	(33,363)	(200,000)	-	-	-	(300,561)	
Total Operating Expense (ACTUAL)	(1,596,091)	(1,496,496)	(1,603,082)	(1,531,765)	(1,793,627)	(1,711,036)	(1,859,068)	(2,072,614)	(2,346,055)	(1,678,858)	(1,850,776)	(1,794,941)	(21,334,409)	
Non-Operating Revenue Expenses:														
Assessments, net (BUDGET)	671,050	260,305	14,650	2,077,790	758,290	11,325	77,225	130,500	-	-	132,500	2,518,797	6,652,432	
Actual/Projected Assessments, net	669,618	373,532	15,376	1,968,372	759,015	10,679	125,853	155,688	-	-	132,500	2,518,797	6,729,431	
RDA Pass-through (Successor Agency)					396,503.97							200,000.00	596,504	
Interest	11,110	10,049	11,724	11,285	12,800	12,536	13,087	12,786	5,000	5,000	5,000	5,000	115,378	
Market Adjustment	28	(6,681)	(13,784)	(2,145)	(4,920)	(12,785)	209	209	3,000	3,000	3,000	3,000	(39,869)	
	20	(0,001)	(13,704)	(2,243)	(4,320)	(12,703)		203						
Grant Re-imbursement					44.500		37,500	27.277		178,000		52.500	215,500	
Capital Improvement Fees - Infrastructure	4,035	54,662 133,286		41,701	11,528		46,224 277,954	35,977 192,074				62,500	256,627	
Capital Improvement Fees - Water Supply DWR Refund (Capital Related)		133,200		178,810 76,319	24,683 37,319	46,158	277,334	192,074	50,000			50,000	806,806 259,796	
Other	4,421	11,311	29	70,313	37,313	40,250			30,000			30,000	15,762	
Total Non-Operating Revenues (BUDGET)	ŕ												-	
Total Non-Operating Revenues (ACTUAL)	689,212	576,159	13,346	2,274,343	1,236,930	56,587	500,827	396,734	55,000	183,000	137,500	2,836,297	8,955,934	
Non-Operating Expenses:														
Budgeted Capital Expenditures	(238,494)	(214,207)	(166,000)	(246,000)	(560,041)	(315,000)	(195,000)	(120,000)	(145,000)	(328,000)	(90,000)	-	(2,617,742)	
Budgeted Capital Expenditures (Committed During Year) Actual/Projected Capital Expenditures	(175,106)	(452,506)	(212,536)	(161,081)	(78,440) (95,373)	(115,485)	(110,000) (9,380)	(110,000) (345,000)	(137,490) (260,409)	(10,000) (150,000)	(10,000) (192,690)	(75,000)	(571,415) (2,295,062)	(600,000)
WRB Capital Expenditures	(175,106)	(452,506)	(212,536)	(161,081)	(95,575)	(165,982)	(9,580)	(343,000)	(300,000)	(150,000)	(192,690)	(300,000)	(600,000)	(600,000) (553,589)
Const. of Monitoring Wells/Test Basin (Water Supply)	_	_	_	_	_	_	_	_	(100,000)	(100,000)	(100,000)	(127,490)	(427,490)	(555,565)
Grade Control Structure (Water Supply)	-	-	-	-	-	-	-	-	(75,000)	(75,000)	(75,000)	(6,750)	(231,750)	
CIMP Coulted to a	(504.400)	(457.004)	(404.040)	(457.004)	(457.004)	(457.004)	(504 404)	(457.004)						
SWP Capitalized Butte County Water Transfer	(681,198)	(157,881)	(181,818)	(157,881)	(157,881)	(157,881) (750,399)	(681,194)	(157,881)	(188,154)	(157,881)	(157,880)	(157,879) (751,304)	(2,995,409) (1,501,704)	
					_	(750,555)						(751,564)		
Bond Payments - Interest			(1,060,942)						(1,052,364)				(2,113,307)	
Principal			(553,437)	_					(1,057,016)				(1,610,453)	
Capital leases - Go West (2012 Lease - Paid in Full May)	(17,296)	-	-	-	(5,267)								(22,563)	
Capital leases - Holman Capital (2017 Lease)						(89,477)							(89,477)	
Capital leases - Enterprise FM Trust (Vehicles)	(2,392)	(2,660)	(1,692)	(2,339)	(2,339)	(2,339)	(3,773)	(2,339)	(2,339)	(2,339)	(2,339)	(2,339)	(29,229)	
Capital leases - Wells Fargo (Printers) Total Non-Operating Expenses (ACTUAL)	(7,628)	(3,687)	(3,687)	(4,412)	(4,104) (264,964)	(4,104) (1,170,182)	(4,123)	(4,104)	(4,104)	(4,104)	(4,104) (532,013)	(4,104) (1,424,867)	(52,265)	
	(883,619)	(616,734)	(2,014,112)	(325,713)			(698,469)	(509,324)	(3,039,386)	(489,324)	•		(11,968,709)	
Total Cash Ending Balance (BUDGET)	12,591,298	12,125,487	9,811,099	10,852,433	11,101,609	10,602,468	10,269,501	10,564,441	8,273,846	8,294,757	8,535,850	10,205,110		
Total Cash Ending Balance (ACTUAL)	13,217,019	13,413,293	11,445,512	13,404,252	14,487,145	13,647,771	13,585,405	13,648,651	10,727,932	10,929,754	10,633,070	11,983,997	Carmana	(1 152 500)
											Budget Difference	10,205,110	Carryover Adj. Difference	(1,153,589) 625,298
<u>-</u>											=	1,770,007	Adj. Difference	023,230
2016 Cash Ending Balance (ACTUAL)	12,534,672	12,719,333	10,275,232	12,340,454	13,316,414	12,675,338	12,028,366	12,724,061	10,784,100	11,041,695	11,034,719	12,888,144		

Indicates actual expenditures/revenues:

Indicates anticipated expenditures/revenues:

PALMDALE WATER DISTRICT

BOARD MEMORANDUM

DATE: September 20, 2017 September 27, 2017
TO: BOARD OF DIRECTORS Board Meeting

FROM: Michael Williams, Finance Manager/CFO **VIA:** Mr. Dennis LaMoreaux, General Manager

RE: AGENDA ITEM 7.2 - STATUS REPORT ON FINANCIAL STATEMENTS,

REVENUE, AND EXPENSE AND DEPARTMENTAL BUDGET REPORTS FOR

JULY, 2017

Discussion:

Presented here are the Balance Sheet and Profit/Loss Statement for the period ending July 31, 2017. Also included are Year-To-Year Comparisons and Month-To-Month Comparisons for both revenue and expense. Finally, I have provided individual departmental budget reports for the month of July, 2017.

This is the seventh month of the District's Budget Year 2017. The target percentage is 58%. Revenues ideally are at or above, and expenditures ideally are below.

Balance Sheet:

- Page 1 is our balance sheet on July 31, 2017.
- The significant change is the increase in Assessments Receivable by booking the 2017/2018 assessment rates.

Profit/Loss Statement:

- Page 3 is our profit/loss statement on July 31, 2017.
- Operating revenue is at 56% of budget.
- Cash operating expense is at 57% of budget.
- Departmental budgets are at or under budget except for Operations which we have discussed in previous meetings.
- Revenues have exceeded expenses for the month by \$240K, and year-to-date revenues are exceeding expenses by \$448K.
- Non-Operating revenues continue to outpace budget figures with more capital improvement fees collected. As of July 31, 2017, \$522K above budget.
- Page 6 is showing the distribution of expense between labor and operations. Labor costs are currently at 51% of total expenses with salaries making up 35% of that.

Year-To-Year Comparison P&L:

- Page 7 is our comparison of July, 2016 to July, 2017.
- Total operating revenue is up \$600, or .03%.
- Operating expenditures are up \$553K, or 36%.

VIA: Mr. Dennis LaMoreaux, General Manager

-2-

September 20, 2017

- Page 7-1 is our comparison of July, 2015 to July, 2017.
- Total operating revenue was up \$338K, or 17%.
- Total operating expenses were up \$295K, or 16%.
- Page 8 and 8-1 is a graphic presentation of the water consumption comparison for 2016 and 2015, respectively.
 - o Units billed in acre feet for 2016 comparison were up by 67, or 3.5%.
 - o Total revenue per unit sold was down \$0.09, or 3%.
 - o Total revenue per connection was up \$8.31, or 11%.
 - o Units billed per connection is up 1.03, or 3.3%.
 - o Units billed in acre feet for 2015 comparison were up by 416, or 26%.
 - o Total revenue per unit sold was down \$0.22, or 7.5%.
 - o Total revenue per connection was up \$20.13, or 31%.
 - o Units billed per connection is up 6.67, or 26%.

Revenue Analysis Year-To-Date:

- Page 9 is our comparison of revenue, year-to-date.
- Operating revenue through July, 2017 is up \$563K, or 5%.
- Retail water revenue from all areas are up by \$1.02MM from last year. That's shown by the combined green highlighted area.
- Retail water sales, including the drought surcharge but excluding meter fees, is up \$179K.
- Total revenue is up \$554K due to increased water sales and capital improvement fees.
- Operating revenue is at 56% of budget; last year was at 56% of budget.

Expense Analysis Year-To-Date:

- Page 11 is our comparison of expense, year-to-date.
- Cash Operating Expenses through July, 2017 are down \$177K, or 1.5%, compared to 2016.
- Total Expenses are up \$714K, or 4%.

Departments:

• Pages 14 through 24 are detailed individual departmental budgets for your review.

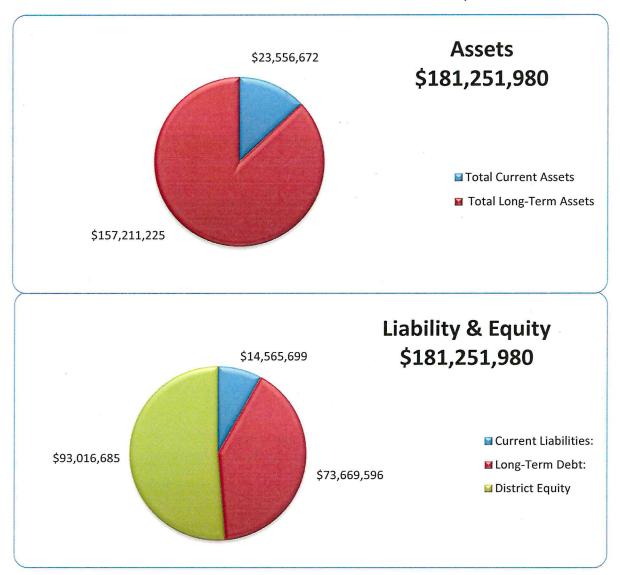
Non-Cash Definitions:

- **Depreciation:** This is the spreading of the total expense of a capital asset over the expected life of that asset.
- **OPEB Accrual Expense:** Other Post Employment Benefits (OPEB) is the recognized annual required contribution to the benefit. The amount is actuarially determined in accordance with the parameters of GASB 45. The amount represents a level of funding that, if paid on an ongoing basis, is projected to cover normal cost each year.
- **Bad Debt:** The uncollectible accounts receivable that has been written off.
- **Service Cost Construction:** The value of material, parts & supplies from inventory used to construct, repair and maintain our asset infrastructure.
- Capitalized Construction: The value of our labor force used to construct our asset infrastructure.

Palmdale Water District Balance Sheet Report For the Seven Months Ending 7/31/2017

		July 2017		June 2017
ASSETS				
Current Assets:				
Cash and Cash Equivalents	\$	122,211	\$	647,786
Investments		12,979,111		12,516,211
2013A Bonds - Project Funds		91,867		114,209
*	\$	13,193,189	\$	13,278,206
Receivables:				
Accounts Receivables - Water Sales	\$	2,220,059	\$	1,835,205
Accounts Receivables - Miscellaneous		42,192	-	44,213
Allowance for Uncollected Accounts		(153,668)		(153,668)
	\$	2,108,583	\$	1,725,749
Assessments Dessivelyes	•	7 202 405	•	070 740
Assessments Receivables Meters Meterials and Supplies	\$	7,392,195 784,603	\$	970,712 769,716
Meters, Materials and Supplies Prepaid Expenses		78,101		103,189
Total Current Assets	\$	23,556,672	\$	16,847,573
	Ψ	20,000,012	Ψ.	10,047,070
Long-Term Assets:	•	400 000 070	•	100 005 501
Property, Plant, and Equipment, net	\$	108,060,379	\$	108,395,561
Participation Rights in State Water Project, net Investment in PRWA		46,375,359		45,910,903
2013A Bonds - Insurance & Surity Bond		320,680 209,230		320,680 209,897
CalPERS Contributions		2,245,577		2,245,577
Can Erro Continuations	\$	157,211,225	\$	157,082,617
Restricted Cash:	•	,,	•	,,
Rate Stabilization Fund		484,083		483,748
Total Long-Term Assets & Restricted Cash	\$	157,695,308	\$	157,566,365
Total Assets	\$	181,251,980	\$	174,413,938
LIABILITIES AND DISTRICT EQUITY	7			
Current Liabilities:				
Current Interest Installment of Long-term Debt	\$	701,576	\$	526,182
Current Principal Installment of Long-term Debt		1,072,831		1,072,831
Accounts Payable and Accrued Expenses		6,557,959		6,207,839
Deferred Assessments		6,233,333	_	7 000 050
Total Current Liabilities	\$	14,565,699	\$	7,806,852
Long-Term Debt:				
Pension-Related Debt	\$	9,143,384	\$	9,143,384
OPEB Liability		14,258,384		14,093,997
2013A Water Revenue Bonds		42,421,703		42,423,954
2012 - Certificates of Participation		7,040,835		7,034,037
2017 - Capital Lease Payable Total Long-Term Liabilities	•	805,290 73,669,596	•	805,290 73,500,662
Total Liabilities Total Liabilities	<u>\$</u>	88,235,296		81,307,514
	φ	00,200,200	φ	01,307,314
District Equity	c	(2.046.026)	œ.	(4.0E7.096)
Revenue from Operations	\$	(2,046,826)	\$	(1,957,086)
Retained Earnings Total Liabilities and District Equity	•	95,063,510 181,251,980	\$	95,063,510 174,413,938
Total Elabilities and District Equity	Ψ	101,201,300	Ψ	17-4,4-13,330

BALANCE SHEET AS OF JULY 31, 2017



Palmdale Water District **Consolidated Profit and Loss Statement For the Seven Months Ending 7/31/2017**

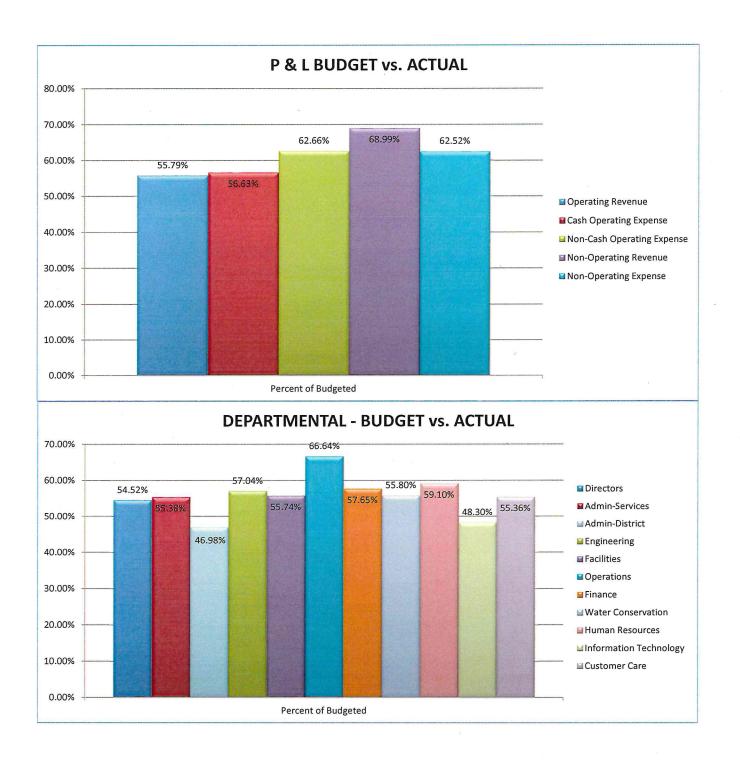
	Thru June		July	Υ	ear-to-Date	Adj	justments		Adjusted Budget	% of Budget
Operating Revenue:										
Wholesale Water	\$ 52,973	\$	41,163	\$	94,135			\$	160,000	58.83%
Water Sales	3,042,613		1,025,578		4,068,190				8,002,000	50.84%
Meter Fees	6,355,789		1,063,469		7,419,257				12,475,500	59.47%
Water Quality Fees	333,995		103,303		437,298				862,500	50.70%
Elevation Fees	138,291		47,399		185,690				340,000	54.61%
Other (Page 3-1)	408,839		41,493		450,332				960,000	46.91%
Drought Surcharge	66,226		_		66,226				-	
Total Operating Revenue	\$10,398,725	\$	2,322,404	\$	12,721,129	\$	-	\$	22,800,000	55.79%
Cash Operating Expenses:										
Directors	\$ 55,278	\$	7,687	\$	62,965			\$	115,500	54.52%
Administration-Services*	912,175		153,891		1,066,066		(18,000)		1,925,000	55.38%
Administration-District	694,252		86,850		781,102				1,509,500	51.75%
Engineering**	724,896		142,186		867,082		68,750		1,520,250	57.04%
Facilities**	3,092,586		562,691		3,655,277		(68,750)		6,557,250	55.74%
Operations	1,447,219		249,690		1,696,909				2,546,250	66.64%
Finance	611,558		106,991		718,549				1,246,500	57.65%
Water Conservation*	108,385		19,951		128,336		2,000		230,000	55.80%
Human Resources*	160,338		24,708		185,046		16,000		313,100	59.10%
Information Technology	336,426		52,296		388,722				804,750	48.30%
Customer Care	601,838		105,699		707,537				1,278,000	55.36%
Source of Supply-Purchased Water	932,265		359,850		1,292,114				2,190,000	59.00%
Plant Expenditures	160,987		40,232		201,218				574,292	35.04%
GAC Filter Media Replacement	352,349		169,477		521,826				862,500	60.50%
Total Cash Operating Expenses	\$10,190,551	\$		\$	12,272,749	\$	-	\$	21,672,892	56.63%
Net Cash Operating Profit/(Loss)	\$ 208,174	\$	240,206	\$	448,380	\$	-	\$	1,127,108	39.78%
Non-Cash Operating Expenses:										
Depreciation	\$ 3,349,901	\$	462,754	\$	3,812,655			\$	6,000,000	63.54%
OPEB Accrual Expense	1,097,397		182,900		1,280,297				2,350,000	54.48%
Bad Debts	49,474				49,474				50,000	98.95%
Service Costs Construction	65,743		13,290		79,033				125,000	63.23%
Capitalized Construction	(309,329)		(40,409)		(349,738)				(750,000)	46.63%
Total Non-Cash Operating Expenses	\$ 4,253,185	\$	618,535	\$	4,871,720	\$		\$	7,775,000	62.66%
Net Operating Profit/(Loss)	\$ (4,045,012)	\$	(378,329)	\$	(4,423,340)	\$		\$	(6,647,892)	66.54%
Non-Operating Revenues:										
Assessments (Debt Service)	\$ 2,470,557	\$	427,833	\$	2,898,390			\$	5,000,000	57.97%
Assessments (1%)	1,194,533		138,833		1,333,366				1,957,500	68.12%
DWR Fixed Charge Recovery	159,796		-		159,796				200,000	79.90%
Interest	29,218		13,296		42,514				60,000	70.86%
CIF - Infrastructure	111,926		46,224		158,150				73,000	216.64%
CIF - Water Supply	336,778		277,954		614,732				177,000	347.31%
Grants - State and Federal			37,500		37,500				178,000	21.07%
Other	71,465		134		71,599				60,000	119.33%
Total Non-Operating Revenues	\$ 4,374,273	\$	941,775	\$	5,316,047	\$		\$	7,705,500	68.99%
Non-Operating Expenses:										
Interest on Long-Term Debt	\$ 1,088,147	\$	180,607	\$	1,268,754			\$	2,228,000	56.95%
Amortization of SWP	1,300,413	+	216,738	*	1,517,151			+	2,238,000	67.79%
Change in Investments in PRWA	106,162		,		106,162				100,000	106.16%
Water Conservation Programs	41,165		6,300		47,465				135,500	35.03%
Total Non-Operating Expenses	\$ 2,535,888	\$	403,645	\$	2,939,533	\$	-	\$	4,701,500	62.52%
Net Earnings	\$ (2,206,627)		159,801		(2,046,826)		_	\$	(3,643,892)	56.17%
	, (-,,)	_	,	_	(- -		_	(-,,)	

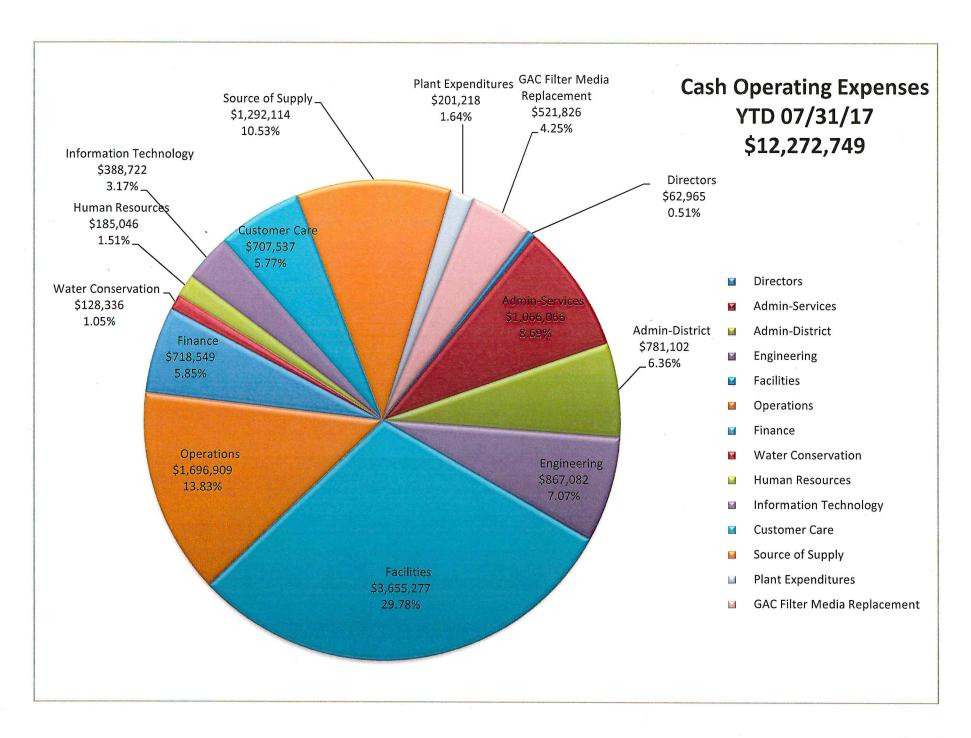
^{*} Budget adjustments by General Manager per Appendix A ** Budget adjustments by Board action 04/12/17

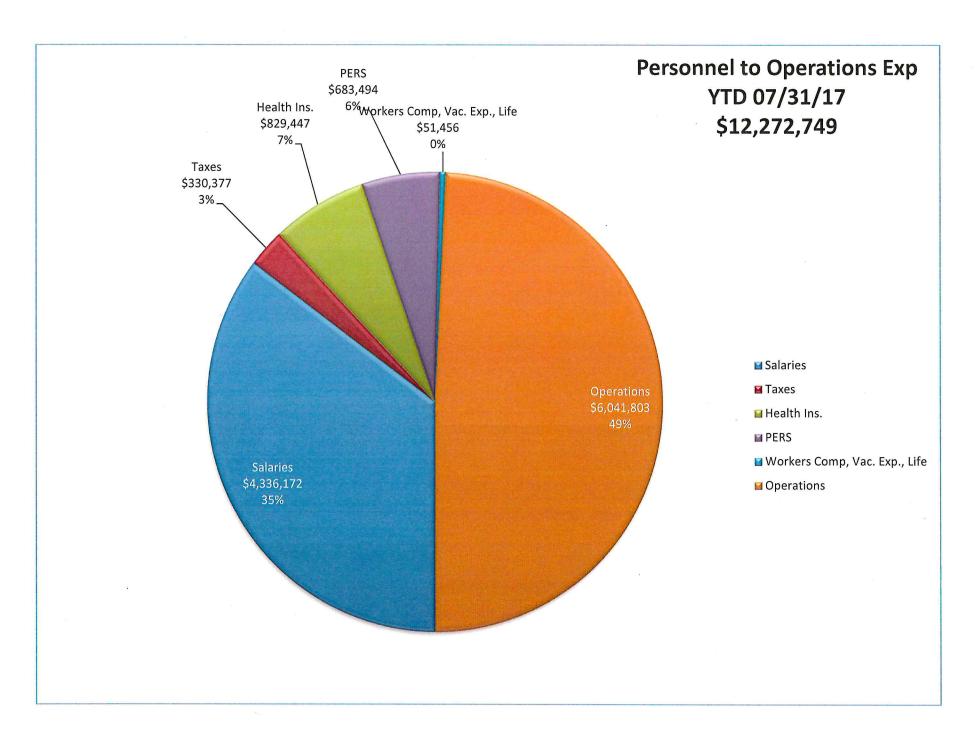
Page 3 Prepared 9/20/2017 7:33 AM

OTHER OPERATING REVENUE

	Current	YTD
Account Setup Charge(\$25)	\$3,235.00	\$27,575.00
After Hours Service Call	\$320.00	\$880.00
Construction Meter Install(\$250)	\$250.00	\$3,000.00
Grind Down Angle Stop (\$230)	\$0.00	\$230.00
Customer Request Turn On/Off(\$15)	\$0.00	\$45.00
Door tag fee for Paperwork(\$20)	\$0.00	\$20.00
Lock Broken or Missing(\$15)	\$60.00	\$570.00
Non-Compliance Fee Backflow(\$50)	\$0.00	\$450.00
Pulled Meter Service Charge(\$60)	\$180.00	\$1,500.00
Rejected Payment Notification	\$460.00	\$2,040.00
Repair Angle Stop After Hours(\$600.00)	(\$600.00)	\$600.00
Repair Angle Stop(\$440.00)	\$880.00	\$3,080.00
Shut-Off Charge(\$30)	\$3,900.00	\$41,070.00
Shut-Off Notice Fee (\$5)	\$7,525.00	\$66,635.00
Standard Trip Charge(\$15)	\$240.00	\$1,200.00
Waste Water 1st Notice(\$50.00)	\$100.00	\$650.00
Waste Water 2nd Notice (\$250.00)	\$50.00	\$100.00
Late Fees	\$25,001.05	\$217,000.53
NSF Fee	\$700.00	\$3,600.00







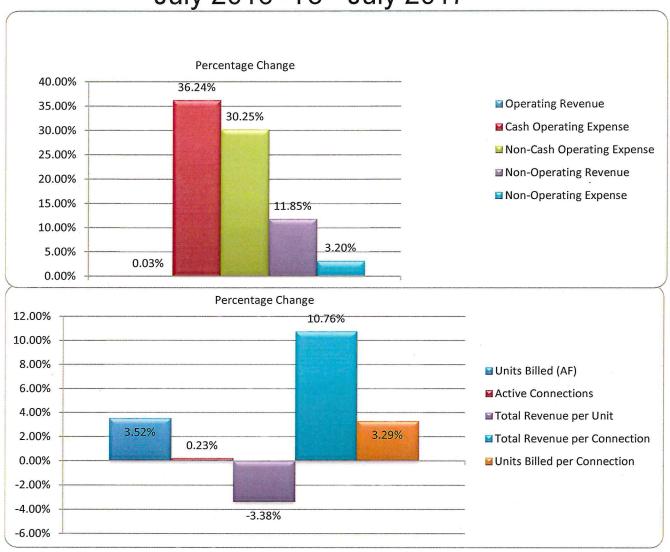
Palmdale Water District Profit and Loss Statement Year-To-Year Comparison - July

		2016		2017			%	Consur	umption Comparison					
		July		July		Change	Change_			2016	:	2017		
		*1						Units Billed		831,559	8	60,860		
Operating Revenue:	¢.	1.052	¢	41,163	ው	20 210		Active		26,592		26,652		
Wholesale Water	\$	1,953	\$,	\$	39,210	16.17%	Vacant		813		766		
Water Sales		882,839		1,025,578		142,739		vacant		013		700		
Meter Fees		1,016,145		1,063,469		47,324	4.66%							
Water Quality Fees		108,103		103,303		(4,799)	-4.44%	Dov/unit	¢.	2.70	\$	2.70		
Elevation Fees		45,709		47,399		1,690	3.70% -34.59%	Rev/unit	\$ \$	2.79 77.27	\$	85.58		
Other		63,435		41,493		(21,942)		Rev/con	Ф		Ф			
Drought Surcharge Total Operating Revenue	\$	203,554 2,321,738	\$	2,322,404	\$	(203,554) 666	-100.00% 0.03%	Unit/con		31.27		32.30		
		2,021,100	•	2,022,101	•		0.00%							
Cash Operating Expenses:	Φ.	C 10C	¢	7 607	Φ	1 401	24.07%							
Directors	\$	6,196	\$	7,687	Ф	1,491								
Administration-Services		166,240		153,891		(12,349)	-7.43%							
Administration-District		15,264		86,850		71,586	468.99% 31.66%							
Engineering		107,998		142,186		34,188	5.48%							
Facilities		533,481 298,304		562,691 249,690		29,210	-16.30%							
Operations Finance				1050		(48,614)	-10.30%							
Water Conservation		108,476 17,841		106,991 19,951		(1,485) 2,110	11.83%							
Human Resources		23,632		24,708		1,076	4.55%							
Information Technology		75,992		52,296		(23,696)	-31.18%							
Customer Care		114,427		105,699		(8,729)	-7.63%							
Source of Supply-Purchased Water		11,776		359,850		348,074	2955.79%							
Plant Expenditures		48,656		40,232		(8,425)	-17.31%							
GAC Filter Media Replacement		40,000		169,477		169,477	-17.5170							
Total Cash Operating Expenses	\$	1,528,284	\$		\$	553,914	36.24%							
		.,												
Non-Cash Operating Expenses:	\$	456,107	\$	462,754	\$	6,648	1.46%							
Depreciation	φ	430,107	φ	182,900	φ	182,900	#DIV/0!							
OPEB Accrual Expense Bad Debts		14,334		102,900		(14,334)	-100.00%							
Service Costs Construction		34,572		13,290		(21,282)	-61.56%							
Capitalized Construction		(30,136)		(40,409)		(10,273)	-01.5076							
Total Non-Cash Operating Expenses	\$	474,877	\$	618,535	\$	143,658	30.25%							
Net Operating Profit/(Loss)	\$	318,577	\$	(378,329)	_	(696,906)	-218.76%							
The result of the second of th	_Ψ	310,377	Ψ	(370,323)	Ψ	(030,300)	-210.7070							
Non-Operating Revenues:	•	440 447	Φ.	407.000	•	(40 500)	0.000/			¥				
Assessments (Debt Service)	\$	440,417	\$	427,833	Ф	(12,583)	-2.86%							
Assessments (1%)		142,917		138,833		(4,083)	-2.86%							
DWR Fixed Charge Recovery		(926)		12 206		926	-100.00%							
Interest		3,178		13,296 46,224		10,118	318.40%							
CIF - Motor Supply		234,459				(188,235)								
CIF - Water Supply Grants - State and Federal		=		277,954 · 37,500		277,954								
Other		21,977		134		37,500 (21,843)								
Total Non-Operating Revenues	\$	842,021	\$	941,775	\$	99,753	11.85%							
	•	0 12,02 1	•	011,110	•	00,100	11.0070							
Non-Operating Expenses: Interest on Long-Term Debt	\$	184,638	Φ	180,607	Ф	(4,030)	-2.18%							
Amortization of SWP	φ	196,900	φ	216,738	φ		10.08%							
Change in Investments in PRWA		190,900		210,730		19,838	10.00%							
Water Conservation Programs		9,590		6,300		(3,290)	-34.31%							
Total Non-Operating Expenses	•	391,128	\$	403,645	\$	12,517	3.20%							
	Ψ_													
Net Earnings		769,471	\$	159,801	\$	(609,670)	-79.23%			190				

Palmdale Water District Profit and Loss Statement Year-To-Year Comparison-2 Years - July

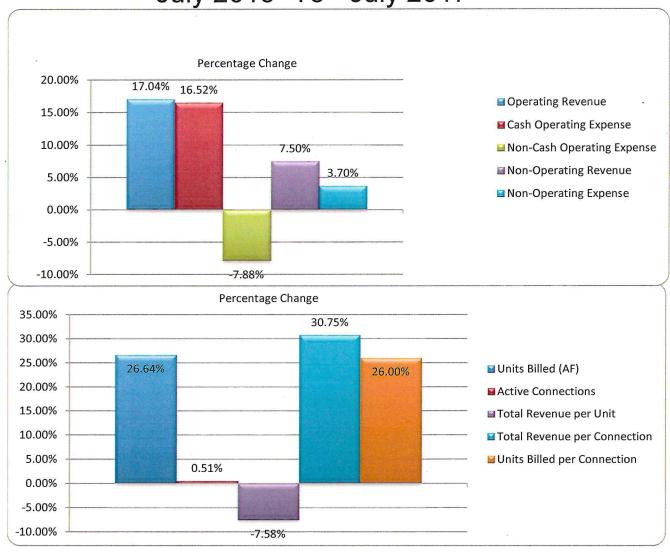
		2015 2017				%	Consu	mpti	on Compai	riso	n	
		July		July	1	Change	Change			2015		2017
		AP.						Units Billed		679,783	8	360,860
Operating Revenue:	•		•	44 400	•	44.400		A - 45		00 540		20.052
Wholesale Water	\$	-	\$	41,163	\$	41,163	CO 000/	Active		26,518		26,652
Water Sales		628,351		1,025,578		397,226	63.22%	Vacant		859		766
Meter Fees		972,174		1,063,469		91,295	9.39%					
Water Quality Fees		94,615		103,303		8,689	9.18%	Davilonit	Φ.	2.02	σħ	2.70
Elevation Fees		40,529		47,399		6,870	16.95%	Rev/unit	\$	2.92	\$	2.70
Other		102,185		41,493		(60,692)	-59.39%	Rev/con Unit/con	\$	65.45	\$	85.58 32.30
Drought Surcharge Total Operating Revenue	\$	146,366 1,984,220	\$	2,322,404	\$	(146,366) 338,184	17.04%	Unit/con		25.63		32.30
	Ψ	1,001,220	Ψ	2,022,101	Ψ.	000,101						
Cash Operating Expenses:		40.000	_		_	(0.570)	05.070/					
Directors	\$	10,260	\$	7,687	\$	(2,572)	-25.07%					
Administration-Services		149,756		153,891		90,985	60.76%					
Administration-District		470 447		86,850		(00.004)	47.550/					
Engineering		172,447		142,186		(30,261)	-17.55%					
Facilities		638,102		562,691		(75,411)	-11.82%					
Operations		277,077		249,690		(27,387)	-9.88%					
Finance		153,138	8	106,991		(46,147)	-30.13%					
Water Conservation Human Resources		32,140		19,951		(12,189)	-37.93% -37.36%					
		39,445		24,708 52,296		(14,737)	-64.43%					
Information Technology Customer Care		147,018 166,857		105,699		(94,722) (61,158)	-36.65%					
Source of Supply-Purchased Water		11,509		359,850		348,341	3026.68%					
Plant Expenditures		(10,742)		40,232		50,974	-474.51%					
GAC Filter Media Replacement		(10,742)		169,477		169,477	-474.5170					
Total Cash Operating Expenses	\$	1,787,005	\$	2,082,198	\$	295,192	16.52%					
	-											
Non-Cash Operating Expenses: Depreciation	\$	535,911	Φ	462,754	\$	(73,157)	-13.65%					
OPEB Accrual Expense	φ	183,580	φ	182,900	φ	(681)	-0.37%					
Bad Debts		3,166		102,900		(3,166)	-0.57 /6					
Service Costs Construction		1,489		13,290		11,801	792.67%					
				C 1000000000000000000000000000000000000								
Capitalized Construction Total Non-Cash Operating Expenses	\$	(52,698) 671,448	\$	(40,409) 618,535	\$	12,289 (52,913)	-23.32% - 7.88 %					
Net Operating Profit/(Loss)		8 21.18		(378,329)		95,904	-20.22%					
	\$	(474,233)	Þ	(370,329)	Φ	95,904	-20.2270					
Non-Operating Revenues:	_		_		_	(4 = =00)	0.500/					
Assessments (Debt Service)	\$	443,333	\$	427,833	\$	(15,500)	-3.50%					
Assessments (1%)		140,000		138,833		(1,167)	-0.83%					
DWR Fixed Charge Recovery		(700)		40.000		44.000	#DIV/0!					
Interest		(739)		13,296		14,036	-1898.14%					
CIF - Infrastructure		-		46,224		46,224						
CIF - Water Supply		-		277,954								
Grants - State and Federal		- 22		37,500		102						
Other Total Non-Operating Revenues	\$	32 582,626	\$	134 941,775	\$	102 43,695	7.50%					
	Ψ	002,020	Ψ	U-1,11U	4	-10,000	7.0070					
Non-Operating Expenses: Interest on Long-Term Debt	Φ	100 040	¢	100 607	Ф	(0 644)	A E70/					
Amortization of SWP	\$	189,248	Ф	180,607	Ф	(8,641)	-4.57%					
		172,877		216,738		43,861 -	25.37% #DIV/01					
Change in Investments in PRWA		27 117		6 200			#DIV/0!					
Water Conservation Programs Total Non-Operating Expenses	\$	27,117 389,242	\$	6,300 403,645	\$	(20,817) 14,403	-76.77% 3.70%					
,	Ψ_					•						
Net Earnings	\$	(280,849)	\$	159,801	\$	125,196	-44.58%					

YEAR-TO-YEAR COMPARISON July 2016 -To - July 2017



	2016	2017	Change	
Units Billed (AF)	1,909	1,976	67	3.52%
Active Connections	26,592	26,652	60	0.23%
Non-Active	813	766	-47	-5.78%
Total Revenue per Unit	\$2.79	\$2.70	-\$0.09	-3.38%
Total Revenue per Connection	\$77.27	\$85.58	\$8.31	10.76%
Units Billed per Connection	31.27	32.30	1.03	3.29%

YEAR-TO-YEAR COMPARISON July 2015 -To - July 2017



	2015	2017	Change	
Units Billed (AF)	1,561	1,976	416	26.64%
Active Connections	26,518	26,652	134	0.51%
Non-Active	859	766	-93	-10.83%
Total Revenue per Unit	\$2.92	\$2.70	-\$0.22	-7.58%
Total Revenue per Connection	\$65.45	\$85.58	\$20.13	30.75%
Units Billed per Connection	25.63	32.30	6.67	26.00%

Palmdale Water District Revenue Analysis

For the Seven Months Ending 7/31/2017 2017

2016 to 2017 Comparison

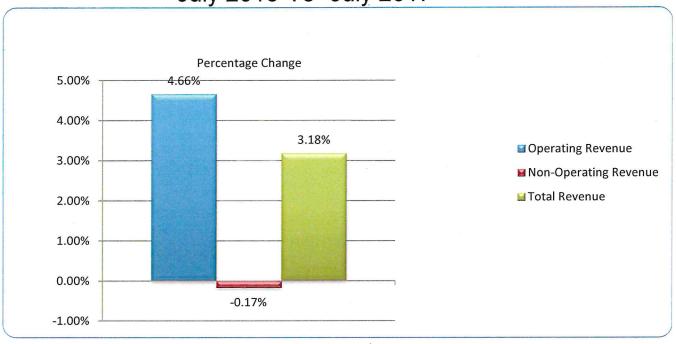
		1000									
	Thru					Adjusted	% of				%
	 June		July	Υ	ear-to-Date	Budget	Budget	July	Ye	ar-to-Date	Change
Operating Revenue:											
Wholesale Water	\$ 52,973	\$	41,163	\$	94,135	\$ 160,000	58.83%	\$ 39,210	\$	36,027	62.00%
Water Sales	3,042,613		1,025,578		4,068,190	8,002,000	50.84%	142,739	200	699,003	20.75%
Meter Fees	6,355,789		1,063,469		7,419,257	12,475,500	59.47%	47,324		320,164	4.51%
Water Quality Fees	333,995		103,303		437,298	862,500	50.70%	(4,799)		(10,540)	-2.35%
Elevation Fees	138,291		47,399		185,690	340,000	54.61%	1,690		8,976	5.08%
Other	408,839		41,493		450,332	960,000	46.91%	(21,942)		27,475	6.50%
Drought Surcharge	 66,226		-		66,226	_		(203,554)		(517,639)	-88.66%
Total Water Sales	\$ 10,398,725	\$	2,322,404	\$	12,721,129	\$ 22,800,000	55.79%	\$ 666	\$	563,467	4.66%
Non-Operating Revenues:	80										
Assessments (Debt Service)	\$ 2,470,557	\$	427,833	\$	2,898,390	\$ 5,000,000	57.97%	\$ (12,583)	\$	(222,277)	-7.12%
Assessments (1%)	1,194,533		138,833		1,333,366	1,957,500	68.12%	(4,083)		12,849	0.97%
DWR Fixed Charge Recovery	159,796		-		159,796	200,000	79.90%	926		24,957	
Interest	29,218		13,296		42,514	60,000	70.86%	10,118		(18,598)	-30.43%
CIF - Infrastructure	111,926		46,224		158,150	73,000	216.64%	(188, 235)		(76,309)	
CIF - Water Supply	336,778		277,954		614,732	177,000	347.31%	277,954		614,732	
Grants - State and Federal	=		37,500		37,500	178,000	21.07%	37,500		(269,415)	
Other	 71,465		134		71,599	60,000	119.33%	(21,843)		(74,972)	-51.15%
Total Non-Operating Revenues	\$ 4,374,273	\$	941,775	\$	5,316,047	\$ 7,705,500	68.99%	\$ 99,753	\$	(9,034)	-0.17%
Total Revenue	\$ 14,772,997	\$	3,264,179	\$	18,037,176	\$ 30,505,500	59.13%	\$ 100,420	\$	554,433	3.18%
	20	116									

•	^	4	-
2	u	1	6

	Thru					Adjusted	% of
	June	July	Y	ear-to-Date		Budget	Budget
Operating Revenue:							
Wholesale Water	\$ 56,156	\$ 1,953	\$	58,108	\$	160,000	36.32%
Water Sales	2,486,348	882,839		3,369,187		7,242,000	46.52%
Meter Fees	6,082,948	1,016,145		7,099,093		12,079,000	58.77%
Water Quality Fees	339,735	108,103		447,838		934,500	47.92%
Elevation Fees	131,004	45,709		176,713		400,000	44.18%
Other	359,422	63,435		422,857		860,000	49.17%
Drought Surcharge	 380,311	 203,554		583,865		-	
Total Water Sales	\$ 9,779,769	\$ 2,319,785	\$	12,099,554	\$:	21,515,500	56.24%
Non-Operating Revenues:							
Assessments (Debt Service)	\$ 2,680,250	\$ 440,417	\$	3,120,667	\$	4,670,000	66.82%
Assessments (1%)	1,177,601	142,917		1,320,518		2,025,000	65.21%
DWR Fixed Charge Recovery	135,765	(926)		134,839		200,000	67.42%
Interest	57,934	3,178		61,112		35,000	174.61%
CIF - Infrastructure	_	234,459		234,459		50,000	468.92%
CIF - Water Supply	=			9 -		-	
Grants - State and Federal	306,915	_		306,915		485,000	63.28%
Other	124,595	21,977		146,571		120,000	122.14%
Total Non-Operating Revenues	\$ 4,483,059	\$ 842,021	\$	5,325,081	\$	7,585,000	70.21%
Total Revenue	\$ 14,262,828	\$ 3,161,807	\$	17,424,635	\$:	29,100,500	59.88%

REVENUE COMPARISON YEAR-TO-DATE

July 2016-To- July 2017



Palmdale Water District Operating Expense Analysis For the Seven Months Ending 7/31/2017 2017

2016 to 2017 Comparison

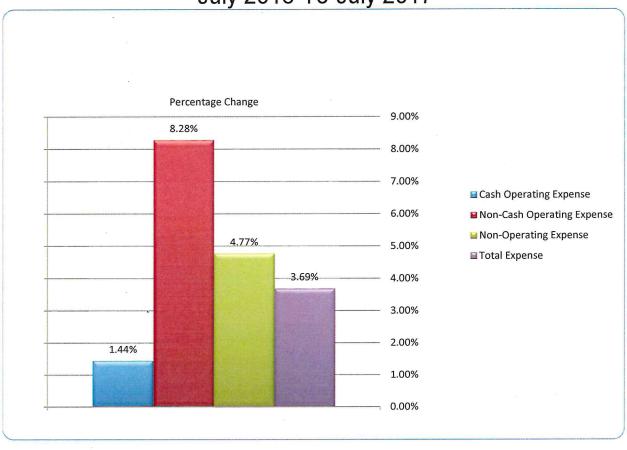
		Thru June		July	V	ear-to-Date	į	Adjusted Budget	% of Budget	July	٧o	ar-to-Date	% Change
Cash Operating Expenses:	Q	ound	_	outy		cai-to-Date		Daaget	Duaget	July	10	ai-to-Date	Change
Directors	\$	55,278	\$	7.687	\$	62,965	\$	115,500	54.52%	\$ 1,491	\$	(26,363)	-29.51%
Administration-Services		912,175		153,891		1,066,066		1,943,000	54.87%	(12,349)	*	116,572	12.28%
Administration-District		694,252		86,850		781,102		1,509,500	51.75%	71,586		(19,992)	-2.50%
Engineering		724,896		142,186		867,082		1,451,500	59.74%	34,188		149,798	20.88%
Facilities		3,092,586		562,691		3,655,277		6,626,000	55.17%	29,210		(233,306)	-6.00%
Operations		1,447,219		249,690		1,696,909		2,546,250	66.64%	(48,614)		120,987	7.68%
Finance		611,558		106,991		718,549		1,246,500	57.65%	(1,485)		(3,852)	-0.53%
Water Conservation		108,385		19,951		128,336		228,000	56.29%	2,110		(11,331)	-8.11%
Human Resources		160,338		24,708		185,046		297,100	62.28%	1,076		(42,212)	-18.57%
Information Technology		336,426		52,296		388,722		804,750	48.30%	(23,696)		(50, 169)	-11.43%
Customer Care		601,838		105,699		707,537		1,278,000	55.36%	(8,729)		(126,370)	-15.15%
Source of Supply-Purchased Water		932,265		359,850		1,292,114		2,190,000	59.00%	348,074		381,557	41.90%
Plant Expenditures		160,987		40,232		201,218		574,292	35.04%	(8,425)		(78,947)	-28.18%
GAC Filter Media Replacement		352,349		169,477		521,826		862,500	60.50%	169,477		761	0.15%
Total Cash Operating Expenses	\$	10,190,551	\$	2,082,198	\$	12,272,749	\$:	21,672,892	56.63%	\$ 553,914	\$	177,135	1.44%
Non-Cash Operating Expenses:				•									
Depreciation	\$	3,349,901	\$	462,754	\$	3,812,655	\$	6,000,000	63.54%	\$ 6,648	\$	488,005	14.68%
OPEB Accrual Expense		1,097,397		182,900		1,280,297		2,350,000	54.48%	182,900		(90,725)	-6.62%
Bad Debts		49,474		-		49,474		50,000	98.95%	(14,334)		(19,874)	-28.66%
Service Costs Construction		65,743		13,290		79,033		125,000	63.23%	(21,282)		(2,334)	-2.87%
Capitalized Construction		(309, 329)		(40,409)		(349,738)		(750,000)	46.63%	(10,273)		28,322	-7.49%
Total Non-Cash Operating Expenses	\$	4,253,185	\$	618,535	\$	4,871,720	\$	7,775,000	62.66%	\$ 143,658	\$	403,395	8.28%
Non-Operating Expenses:													
Interest on Long-Term Debt	\$	1,088,147	\$	180,607	\$	1,268,754	\$	2,228,000	56.95%	\$ (4,030)	\$	(32,484)	-2.50%
Amortization of SWP		1,300,413		216,738		1,517,151		2,238,000	67.79%	19,838		138,871	10.08%
Change in Investments in PRWA		106,162		-		106,162		100,000	106.16%	-		846	0.80%
Water Conservation Programs		41,165		6,300		47,465	×	135,500	35.03%	(3,290)		26,632	127.84%
Total Non-Operating Expenses	\$	2,535,888	\$	403,645	\$	2,939,533	\$	4,701,500	62.52%	\$ 12,517	\$	133,865	4.77%
Total Expenses	\$	16,979,624	\$	3,104,378	\$	20,084,002	\$	34,149,392	58.81%	\$ 710,090	\$	714,395	3.69%

Palmdale Water District Operating Expense Analysis For the Seven Months Ending 7/31/2017

2016

Thru Adjusted % of June July Year-to-Date Budget Budget Cash Operating Expenses: Directors 83,131 \$ 6,196 \$ 89,328 \$ 145,750 61.29% Administration-Services 949,494 1,588,750 783,253 166,240 59.76% Administration-District 785,830 15,264 801,094 1,612,750 49.67% Engineering 609,286 107.998 717,284 1,279,250 56.07% **Facilities** 3,355,102 533,481 3.888.583 6,513,750 59.70% Operations 1,277,619 298,304 1,575,923 2,449,250 64.34% Finance 613,924 108,476 722,400 1,168,250 61.84% Water Conservation 121,826 17,841 139,667 239,250 58.38% Human Resources 203,626 23,632 227,258 420,350 54.06% Information Technology 362,899 75,992 438,891 867,750 50.58% **Customer Care** 719,479 114,427 833,906 1,386,750 60.13% Source of Supply-Purchased Water 898,781 11,776 910,557 1,725,000 52.79% Plant Expenditures 231,509 48,656 280,165 GAC Filter Media Replacement 521,064 521,064 934,500 55.76% **Total Cash Operating Expenses** \$10,567,330 \$1,528,284 \$12,095,614 \$20,331,350 59.49% Non-Cash Operating Expenses: Depreciation \$ 2,868,543 \$ 456,107 \$ 3,324,650 \$ 7,200,000 46.18% **OPEB Accrual Expense** 1,371,021 1,371,021 2,250,000 60.93% **Bad Debts** 55,014 14,334 69,347 50,000 138.69% Service Costs Construction 34,572 81,367 46,795 125,000 65.09% (347,924)Capitalized Construction (30, 136)(378,060)(1,000,000)37.81% \$ 3,993,449 \$ **Total Non-Cash Operating Expenses** 474,877 \$ 4,468,326 \$ 8,625,000 51.81% Non-Operating Expenses: Interest on Long-Term Debt \$ 1,116,601 \$ 184,638 \$ 1,301,239 \$ 2,228,000 58.40% Amortization of SWP 1,181,379 196,900 1,378,280 2,238,000 61.59% Change in Investments in PRWA 105,316 105,316 Water Conservation Programs 9,590 20,833 11,243 126,500 16.47% **Total Non-Operating Expenses** \$ 2,414,540 \$ 391,128 \$ 2,805,668 \$ 4,592,500 61.09% **Total Expenses** \$16,975,319 \$2,394,288 \$19,369,607 \$33,548,850 57.74% 2016 to 2017 Comparison

EXPENSE COMPARISON YEAR-TO-DATE July 2016-To-July 2017



Palmdale Water District 2017 Directors Budget

For the Seven Months Ending Monday, July 31, 2017

	YTD ORIGINAL			ADJUSTED					
	A	ACTUAL		BUDGET	ADJUSTMENTS		BUDGET		PERCENT
		2017		2017	2017		REMAINING		USED
Personnel Budget:									
1-01-4000-000 Directors Pay	\$		\$	-	\$	_	\$	-	
Employee Benefits 1-01-4005-000 Payroll Taxes Subtotal (Benefits)		2,662 2,662		5,500 5,500				2,838 2,838	48.40% 48.40%
Total Personnel Expenses	\$	2,662	\$	5,500	\$		\$	2,838	48.40%
OPERATING EXPENSES:	•	11.000	•	22.000			\$	10.079	50.10%
1-01-xxxx-007 Director Share - Alvarado, Robert 1-01-xxxx-008 Director Share - Mac Laren, Kathy	\$	11,022 11,777	\$	22,000 22,000			Ф	10,978 10,223	53.53%
1-01-xxxx-009 Director Share - Estes, Joe		15,023		22,000				6,977	68.28%
1-01-xxxx-010 Director Share - Dino, Vincent		11,705		22,000				10,295	53.20%
1-01-xxxx-011 Director Share - Henriquez, Marco		10,776		22,000				11,224	48.98%
Subtotal Operating Expenses		60,303		110,000		-		11,224	54.82%
Total O & M Expenses	\$	62,965	\$	115,500	\$		\$	14,062	54.52%

Prepared 9/20/2017 7:24 AM Page 14

Palmdale Water District 2017 Administration District Wide Budget For the Seven Months Ending Monday, July 31, 2017

	YTD ACTUAL 2017		ORIGINAL BUDGET 2017		ADJUSTMENTS 2017		ADJUSTED BUDGET REMAINING		PERCENT USED
Personnel Budget:									
1-02-5070-001 On-Call	\$	41,207	\$	90,000			\$	48,793	45.79%
Subtotal (Salaries)	\$	41,207	\$	90,000	\$	-	\$	48,793	45.79%
Employee Benefits 1-02-5070-002 PERS-Unfunded Liability 1-02-5070-003 Workers Compensation 1-02-5070-004 Vacation Benefit Expense 1-02-5070-005 Life Insurance Subtotal (Benefits)	\$	258,893 115,056 (67,278) 3,679 310,349	\$	472,000 185,000 35,000 7,500 699,500	\$		\$	213,107 69,944 102,278 3,821 389,151	54.85% 62.19% -192.22% 49.05% 44.37%
Total Personnel Expenses	\$	351,556	\$	789,500	\$		\$	437,944	44.53%
OPERATING EXPENSES: 1-02-5070-006 Other Operating 1-02-5070-007 Consultants 1-02-5070-008 Insurance 1-02-5070-009 Groundwater Adjudication 1-02-5070-010 Legal Services 1-02-5070-011 Memberships/Subscriptions 1-02-5070-099 100th Anniversary Subtotal Operating Expenses	\$	22,910 41,874 175,430 54,623 52,300 80,919 1,488.87 429,546	\$	20,000 70,000 305,000 50,000 150,000 125,000	\$	-	\$	(2,910) 28,126 129,570 (4,623) 97,700 44,081	114.55% 59.82% 57.52% 109.25% 34.87% 64.74%
Total Departmental Expenses	\$	781,102	\$	1,509,500	\$	-	\$	729,887	51.75%

Prepared 9/20/2017 7:24 AM Page 16

Palmdale Water District 2017 Administration Services Budget For the Seven Months Ending Monday, July 31, 2017

	 YTD ACTUAL 2017	ORIGINAL BUDGET 2017		ADJUSTMENTS 2017		ADJUSTED BUDGET REMAINING		PERCENT USED
Personnel Budget:								
1-02-4000-000 Salaries* 1-02-4000-100 Overtime Subtotal (Salaries)	\$ 640,543 5,263 645,806		1,220,500 8,500 1,229,000	\$	(16,000)	\$	563,957 3,237 567,194	53.18% 61.92% 53.24%
Employee Benefits 1-02-4005-000 Payroll Taxes 1-02-4010-000 Health Insurance 1-02-4015-000 PERS Subtotal (Benefits)	\$ 48,352 90,807 67,663 206,822	\$	87,000 171,000 145,000 403,000	\$		\$	38,648 80,193 77,337 196,178	55.58% 53.10% 46.66% 51.32%
Total Personnel Expenses	\$ 852,628	\$	1,632,000	\$	(16,000)	\$	763,372	52.76%
OPERATING EXPENSES: 1-02-4050-000 Staff Travel 1-02-4060-100 General Manager Travel 1-02-4060-100 Staff Conferences & Seminars 1-02-4060-100 General Manager Conferences & Seminars 1-02-4130-000 Bank Charges 1-02-4150-000 Accounting Services 1-02-4175-000 Permits 1-02-4180-000 Postage	\$ 11,482 4,158 1,363 1,827 89,245 19,905 11,196 9,697	\$	14,000 5,000 6,000 4,000 140,000 27,500 17,500 25,000	\$	-	\$	2,518 842 4,637 2,174 50,755 7,595 6,304 15,303	82.01% 83.15% 22.72% 45.66% 63.75% 72.38% 63.98% 38.79%
1-02-4190-100 Public Relations - Publications 1-02-4190-700 Public Relations - General* 1-02-4200-000 Advertising 1-02-4205-000 Office Supplies Subtotal Operating Expenses Total Departmental Expenses	\$ 20,479 26,122 1,787 16,178 213,438	\$	30,000 20,000 4,000 18,000 311,000	\$	(2,000)	\$	9,521 (8,122) 2,213 1,822 95,562	68.26% 145.12% 44.68% 89.88% 69.07%

^{*} Budget adjustments by General Manager per Appendix A

Prepared 9/20/2017 7:24 AM Page 15

Palmdale Water District

2017 Engineering Budget For the Seven Months Ending Monday, July 31, 2017

	YTD	-	RIGINAL				DJUSTED	
	 ACTUAL	E	BUDGET	AD.	JUSTMENTS		BUDGET	PERCENT
	 2017		2017		2017	RI	EMAINING	USED
Personnel Budget:								
1-03-4000-000 Salaries**	\$ 599,700	\$	983.500	\$	45,000	\$	428,800	58.31%
1-03-4000-100 Overtime	5,282		6,500				1,218	81.26%
Subtotal (Salaries)	\$ 604,982	\$	990,000	\$	45,000	\$	430,018	61.11%
Employee Benefits								
1-03-4005-000 Payroll Taxes**	45,492		73,000		4,750		32,258	58.51%
1-03-4010-000 Health Insurance**	110,813		164,000		16,000		69,187	61.56%
1-03-4015-000 PERS**	61,435		104,500		3,000		46,065	57.15%
Subtotal (Benefits)	\$ 217,740	\$	341,500	\$	23,750	\$	147,510	59.61%
Total Personnel Expenses	\$ 822,722	\$	1,331,500	\$	68,750	\$	577,528	58.76%
OPERATING EXPENSES:								
1-03-4050-000 Staff Travel	\$ 2,844	\$	2,500			\$	(344)	113.76%
1-03-4060-000 Staff Conferences & Seminars	3,895		2,500				(1,395)	155.80%
1-03-4155-000 Contracted Services	7,544		41,500				33,956	18.18%
1-03-4165-000 Memberships/Subscriptions	1,633		2,500				867	65.32%
1-03-4250-000 General Materials & Supplies	629		11,000				10,371	5.72%
1-03-8100-100 Computer Software - Maint. & Support	27,814		60,000				32,186	46.36%
Subtotal Operating Expenses	\$ 44,360	\$	120,000	\$	-	\$	75,640	36.97%
Total Departmental Expenses	\$ 867,082	\$	1,451,500	\$	68,750	\$	653,168	57.04%

^{**} Budget adjustments by Board action 04/12/17

Palmdale Water District

2017 Facilities Budget
For the Seven Months Ending Monday, July 31, 2017

Personnel Budget				YTD ACTUAL 2017		ORIGINAL BUDGET 2017	AD	USTMENTS 2017	E	DJUSTED BUDGET EMAINING	PERCENT USED
Description Coverage Content	Personnel Budge	t :	7						3*****		
Employee Benefits	1-04-4000-000	Salaries**	\$	1,207,954	\$	2,096,000	\$	(52,500)	\$	835,546	
Employee Benefits					_		_	(=0 =00)	_		
1-04-4010-000 Peath Insurance** 98.614 172.000 (4,750) 68.658 59.89% 1-04-4016-000 Peath Insurance** 303.066 455.500 (8,500) 141,934 681,052% 1-04-4016-000 PERS** 116,335 258.000 (3,000) 138,666 45,62% 141,040	Subt	otal (Salaries)	\$	1,275,522	\$	2,196,000	\$	(52,500)	\$	867,978	59.51%
1-04-4010-000 Peath Insurance** 98.614 172.000 (4,750) 68.658 59.89% 1-04-4016-000 Peath Insurance** 303.066 455.500 (8,500) 141,934 681,052% 1-04-4016-000 PERS** 116,335 258.000 (3,000) 138,666 45,62% 141,040	Employee Renefit	te									
1-04-4010-000 Petal's 116,335 258,000 3,000 141,934 68.10% 14-404-000 PERS** Subtoal (Benefits) \$ 518,015 \$ 883,500 \$ (16,280) \$ 349,235 59.73% \$ 1.044 14-404 14-404 14-405-000 \$ 147,024 14-405-000 \$ 14-105-0000 \$ 14-105-0000 \$ 14-105-00000 \$ 14-105-00000 \$ 14-105-00000 \$ 14-105-00000 \$ 14-105-00000 \$ 14-105-000000 \$ 14-105-000000000000000000000000000000000				98,614		172,000		(4,750)		68,636	58.96%
Subtotal (Benefits) \$ 518,015 \$ 883,500 \$ (16,260) \$ 349,235 \$ 59,7%		The same of the same same same same same same same sam		303,066		453,500		201 . N		141,934	68.10%
Total Personnel Expenses	1-04-4015-000	PERS**									
OPERATING EXPENSES: 1-04-4050-000 Staff Travel \$ 1,426 \$ 3,000 \$ 1,574 47,52% 1-04-4050-000 Staff Travel \$ 1,426 \$ 3,000 3,000 0,00% 1-04-4155-000 Contracted Services 436,427 491,500 55,073 86,79% 1-04-4155-000 Permits-Dams - 25,000 25,000 0,00% 1-04-4215-100 Natural Gas - Wells & Boosters 199,326 225,000 115,674 45,59% 1-04-4215-100 Natural Gas - Wells & Boosters 608,653 1,320,000 711,347 46,11% 1-04-4215-200 Determits-Dumble & 608,653 1,320,000 711,347 46,11% 1-04-4220-000 Electricity - Buildings 4,050 88,000 47,480 40,040 1-04-4220-000 Maint. & Rep. Office Building 14,822 35,000 20,178 42,35% 1-04-4235-400 Maint. & Rep. Departions - Wells 14,822 35,000 20,178 42,35% 1-04-4235-400 Maint. & Rep. Departions - Wells 39,530 100,000 60,470 39,53% 1-04-4235-400 Maint. & Rep. Departions - Shop Bidgs 11,097 10,000 60,470 39,53% 1-04-4235-410 Maint. & Rep. Operations - Shop Bidgs 11,097 10,000 1,097 110,97% 1-04-4235-410 Maint. & Rep. Operations - Shop Bidgs 11,097 10,000 1,097 110,97% 1-04-4235-420 Maint. & Rep. Operations - Paditiles 12,086 15,000 2,914 80,57% 1-04-4235-420 Maint. & Rep. Operations - Water Lines 189,717 250,000 60,223 78,89% 1-04-4235-420 Maint. & Rep. Operations - Paditiles 12,086 15,000 2,914 80,57% 1-04-4235-420 Maint. & Rep. Operations - Paditiles 12,086 15,000 13,456 10,29% 1-04-4235-430 Maint. & Rep. Operations - Paditiles 12,086 15,000 13,456 10,29% 1-04-4235-430 Maint. & Rep. Operations - Paditiles 12,086 15,000 13,456 10,29% 1-04-4235-440 Maint. & Rep. Operations - Paditiles 12,086 15,000 13,456 10,29% 1-04-4235-450 Maint. & Rep. Operations - Paditiles 12,086 15,000 13,456 10,29% 10,44235-450 Maint. & Rep. Operations - Paditiles 12,086 15,000 13,456 10,29% 10,44235-450 Maint. & Rep. Operations - Paditiles 12,086 1	Subt	otal (Benefits)	\$	518,015	\$	883,500	\$	(16,250)	\$	349,235	59.73%
1-04-4050-000 Staff Toravel \$ 1,426 \$ 3,000 \$ 1,574 47,529 \$ 1,004 009-000 Staff Confrances & Seminars - 3,000 0,000 0,004 155-000 Contracted Services 436,427 491,500 55,073 88,79% 1-04-4175-000 Permits-Dams - 25,000 25,000 0,00% 150,000	Tota	Personnel Expenses	\$	1,793,537	\$	3,079,500	\$	(68,750)	\$	1,217,213	59.57%
1-04-4050-000 Staff Toravel \$ 1,426 \$ 3,000 \$ 1,574 47,526 \$ 1,004 004-000 Staff Confrences & Seminars - 3,000 0,004 0,004 155-000 Contracted Services 436,427 491,500 55,073 88,796 1-04-4215-100 Natural Gas - Wells & Boosters 109,326 225,000 115,674 48,596 1-04-4215-100 Natural Gas - Wells & Boosters 109,326 225,000 115,674 48,596 1-04-4215-100 Electricity - Wells & Boosters 608,653 3,200,000 711,347 46,115 1-04-4220-010 Electricity - Bulidings 4,106 9,000 47,480 46,826 1-04-4220-010 Maint & Repair - Vehicles 14,822 35,000 20,178 42,355 1-04-4220-010 Maint & Repair - Vehicles 14,822 35,000 20,178 42,355 1-04-4235-110 Maint & Rep. General 6,581 6,500 (81) 101,256 1-04-4235-410 Maint & Rep. Derations - Boosters 18,011 80,000 60,470 39,536 1-04-4235-415 Maint & Rep. Derations - Boosters 18,011 80,000 61,989 22,576 1-04-4235-415 Maint & Rep. Derations - Shop Bidgs 11,097 10,000 (1,097) 11,0976 1-04-4235-415 Maint & Rep. Operations - Walter Lines 189,717 250,000 60,283 75,896 1-04-4235-425 Maint & Rep. Operations - Walter Lines 189,717 250,000 60,283 75,896 1-04-4235-425 Maint & Rep. Operations - Palmdale Dam 1,544 15,000 13,456 10,296 10,496 1											
1-04-4090-000 Staff Confrences & Seminars 3,000 3,000 0,00% -04-4175-000 Contracted Services 436,427 491,500 55,073 88,79% -04-4175-000 Permits-Dams 0,25,000 25,000 0,00% -04-4215-000 Natural Gas - Fullidings 4,106 9,000 4,984 45,62% -04-4220-010 Electricity - Wells & Boosters 608,653 1,320,000 711,347 46,11% -04-4220-020 Electricity - Buildings 4,06 9,000 47,480 46,04% -04-4220-010 Electricity - Buildings 40,520 88,000 47,480 46,04% -04-4220-010 Maint & Repair - Vehicles 14,822 35,000 20,178 42,35% -04-4220-100 Maint & Rep. Denations - Building 13,434 25,000 11,566 53,74% -04-4235-110 Maint & Rep. Denations - Wells 39,530 100,000 60,470 39,53% -04-4235-400 Maint & Rep. Operations - Boosters 18,011 80,000 61,989 22,51% -04-4235-405 Maint & Rep. Operations - Boosters 18,011 80,000 61,989 22,51% -04-4235-405 Maint & Rep. Operations - Facilities 12,086 15,000 2,914 80,5% -04-4235-405 Maint & Rep. Operations - Facilities 12,086 15,000 2,914 80,5% -04-4235-420 Maint & Rep. Operations - Facilities 189,717 250,000 60,283 78,89% -04-4235-420 Maint & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 64,26% -04-4235-430 Maint & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 64,26% -04-4235-440 Maint & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 64,26% -04-4235-450 Maint & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 64,26% -04-4235-450 Maint & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 64,26% -04-4235-450 Maint & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 64,26% -04-4235-450 Maint & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 64,26% -04-4235-450 Maint & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 64,26% -04-4235-450 Maint & Rep. Operations - Palmdale Dam 4,070 7,500 4,000 -04-4235-450			•	4 465		0.005			•	4.574	47 500/
1-04-4175-000 Contracted Services 436,427 491,500 55,073 88.79% -04-4175-000 Permits-Dams - 25,000 25,000 0.00% -04-4215-100 Natural Gas - Wells & Boosters 109,326 225,000 115,674 48.59% -04-4221-010 Electricity - Wells & Boosters 608,653 3.20,000 711,347 46.11% -04-4220-020 Electricity - Bulidings 4,106 9,000 711,347 46.11% -04-4220-000 Electricity - Bulidings 40,520 88,000 47,480 46.04% -04-4230-000 Maint & Repair - Vehicles 14,822 35,000 20,178 42.35% -04-4230-100 Maint & Rep. Operations - Wells 39,530 100,000 60,470 39,53% -04-4235-110 Maint & Rep. Operations - Wells 39,530 100,000 60,470 39,53% -04-4235-405 Maint & Rep. Operations - Shop Bidgs 11,097 10,000 61,889 22,51% -04-4235-410 Maint & Rep. Operations - Shop Bidgs 11,097 10,000 61,889 22,51% -04-4235-425 Maint & Rep. Operations - Shop Bidgs 11,097 10,000 61,889 22,51% -04-4235-425 Maint & Rep. Operations - Shop Bidgs 11,097 10,000 61,889 22,51% -04-4235-425 Maint & Rep. Operations - Valuer Lines 188,717 250,000 60,283 78,89% -04-4235-425 Maint & Rep. Operations - Sultrices 18,917 250,000 61,833 30,79% -04-4235-425 Maint & Rep. Operations - Littlerock Dam 1,544 15,000 13,456 10,29% -04-4235-435 Maint & Rep. Operations - Large Meters 21,750 20,000 (1,750) 108,75% -04-4235-445 Maint & Rep. Operations - Palmdale Dam 4,070 7,500 3,435 10,29% -04-4235-450 Maint & Rep. Operations - Falmdale Canal 3,007 10,000 6,993 30,07% -04-4235-450 Maint & Rep. Operations - Falmdale Canal 3,007 10,000 6,993 30,07% -04-4235-450 Maint & Rep. Operations - Falmdale Canal 3,007 10,000 6,993 30,07% -04-4235-450 Maint & Rep. Operations - Hope Generators 1,247 10,000 13,456 10,256 -04-4235-450 Maint & Rep. Operations - Hope Generators 1,247 10,000 1,256 10,256 -04-4235-450 Maint & Re			\$	1,426	\$				\$	305,630 50 75	
1-04-4175-000 Permits-Dams - 25,000 25,000 0,00% -04-4215-100 Natural Gas - Wells & Boosters 109,326 225,000 115,674 48,59% -04-4125-2010 Electricity - Wells & Boosters 608,683 1,320,000 711,347 48,11% -04-4220-200 Electricity - Wells & Boosters 608,683 1,320,000 711,347 48,11% -04-4220-200 Electricity - Wells & Boosters 40,520 88,000 47,480 46,04% -04-4225-000 Maint & Rep. Office Building 13,434 25,000 20,178 42,35% -04-4235-100 Maint & Rep. Equipment 6,581 6,500 (81) 101,25% -04-4235-400 Maint & Rep. Operations - Wells 39,530 100,000 60,470 38,53% -04-4235-400 Maint & Rep. Operations - Wells 39,530 100,000 61,989 22,51% -04-4235-401 Maint & Rep. Operations - Shop Bldgs 11,097 10,000 (1,097) 10,97% -04-4235-415 Maint & Rep. Operations - Facilities 12,086 15,000 2,914 80,57% -04-4235-420 Maint & Rep. Operations - Facilities 12,086 15,000 2,914 80,57% -04-4235-421 Maint & Rep. Operations - Facilities 12,086 15,000 34,350 60,283 75,89% -04-4235-425 Maint & Rep. Operations - Littlerock Dam 1,544 15,000 31,456 10,29% -04-4235-430 Maint & Rep. Operations - Facilities 189,717 250,000 60,283 75,89% -04-4235-430 Maint & Rep. Operations - Palmidale Dam 4,070 7,500 3,430 54,26% -04-4235-430 Maint & Rep. Operations - Palmidale Canal 3,007 10,000 6,993 30,07% -04-4235-450 Maint & Rep. Operations - Haley Equipment 29,607 45,000 3,625 27,50% -04-4235-450 Maint & Rep. Operations - Fale Reservoirs 176 6,000 3,625 27,50% -04-4235-450 Maint & Rep. Operations - Fale Reservoirs 176 6,000 3,625 27,50% -04-4235-450 Maint & Rep. Operations - Heavy Equipment 29,607 45,000 3,625 27,50% -04-4235-450 Maint & Rep. Operations - Fale Reservoirs 176 6,000 3,625 27,50% -04-4235-450 Maint & Rep. Operations - Fale Reservoirs 176 6,000 3,000 3,000 3,0				126 127							
1-04-4215-100 Natural Gas - Wells & Boosters 109.326 225.000 4.894 45.62% 1-04-4215-200 Natural Gas - Buildings 4.106 9.000 4.894 45.62% 1-04-4220-100 Electricity - Wells & Boosters 608.653 1,320,000 711,347 46.11% 1-04-4220-200 Electricity - Buildings 40,520 88.000 247,480 46.04% 1.04-4225-400 Maint & Repair - Vehicles 14.822 35,000 20,178 42.35% 1-04-4235-110 Maint & Repair - Wehicles 14.822 35,000 11,566 53.74% 1.04-4235-110 Maint & Rep. Operations - Wells 39.530 100,000 60.470 39.53% 1-04-4235-400 Maint & Rep. Operations - Wells 39.530 100,000 60.470 39.53% 1-04-4235-401 Maint & Rep. Operations - Boosters 18.011 80,000 61,989 22.51% 1-04-4235-410 Maint & Rep. Operations - Shop Bldgs 11,097 10,000 10,097 110.97% 1-04-4235-410 Maint & Rep. Operations - Facilities 12,086 15,000 2,914 80.57% 1-04-4235-420 Maint & Rep. Operations - Water Lines 189,717 250,000 60,283 75.89% 1-04-4235-425 Maint & Rep. Operations - Palmdale Dam 4,070 7,560 34.30 54.26% 1-04-4235-430 Maint & Rep. Operations - Palmdale Dam 4,070 7,560 34.30 54.26% 1-04-4235-430 Maint & Rep. Operations - Palmdale Dam 4,070 7,560 36.25 27.50% 1-04-4235-445 Maint & Rep. Operations - Falemdale Canal 3,007 10,000 6,993 30,07% 1-04-4235-445 Maint & Rep. Operations - Falemdale Canal 4,070 7,560 3,625 27.50% 1-04-4235-445 Maint & Rep. Operations - Falemdale Canal 4,070 4,000 6,993 30,07% 1-04-4235-445 Maint & Rep. Operations - Falemdale Canal 4,070 4,000 6,993 30,07% 1-04-4235-445 Maint & Rep. Operations - Falemdale Canal 4,070 4,000 6,993 30,07% 1-04-4235-450 Maint & Rep. Operations - Falemdale Canal 4,070 4,000 6,993 30,07% 1-04-4235-450 Maint & Rep. Operations - Falemdale Canal 4,070 4,000 6,993 3,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000				430,427							
1-04-4215-200 Natural Gas - Buildings 4,106 9,000 4,894 45,62% -04-4220-100 Electricity - Wells & Boosters 608,653 1,320,000 711,347 48,11% -04-4220-200 Maint, & Repair - Vehicles 14,622 35,000 20,178 42,35% -04-4230-100 Maint, & Repair - Vehicles 14,622 35,000 20,178 42,35% -04-4235-110 Maint, & Rep. Office Building 13,434 25,000 11,566 53,74% -04-4235-400 Maint, & Rep. Equipment 6,681 6,500 (81) 101,25% -04-4235-400 Maint, & Rep. Operations - Wells 39,530 100,000 60,470 39,53% -04-4235-401 Maint, & Rep. Operations - Boosters 18,011 80,000 61,989 22,51% -04-4235-415 Maint, & Rep. Operations - Shop Bidgs 11,097 10,000 (1,097) 10,97% -04-4235-420 Maint, & Rep. Operations - Facilities 12,086 15,000 2,914 80,57% -04-4235-425 Maint, & Rep. Operations - Littlerock Dam 1,544 15,000 60,283 75,89% -04-4235-425 Maint, & Rep. Operations - Falmdale Dam 4,070 7,500 3,430 54,26% -04-4235-430 Maint, & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 54,26% -04-4235-440 Maint, & Rep. Operations - Large Meters 21,750 20,000 (1,750) 108,75% -04-4235-440 Maint, & Rep. Operations - Large Meters 21,750 20,000 (1,750) 108,75% -04-4235-450 Maint, & Rep. Operations - Large Meters 21,750 20,000 (1,750) 108,75% -04-4235-450 Maint, & Rep. Operations - Large Meters 21,750 20,000 (1,750) 108,75% -04-4235-450 Maint, & Rep. Operations - Large Meters 21,750 20,000 (1,750) 108,75% -04-4235-450 Maint, & Rep. Operations - Large Meters 21,750 20,000 (1,750) 108,75% -04-4235-450 Maint, & Rep. Operations - Heavy Equipment 29,807 45,000 15,333 65,79% -04-4235-450 Maint, & Rep. Operations - Storage Reservoirs 1,247 10,000 8,753 12,47% -04-4235-450 Maint, & Rep. Operations - Meters Exchanges 66,504 250,000 19,158 42,11% -04-4205-450 Maint, & Rep. Operations - Meters				109.326							
1-04-4220-100 Electricity - Wells & Boosters 608,653 1,320,000 711,347 46,11% 1-04-4225-200 Electricity - Buildings 40,620 88,000 47,480 46,04% 1-04-4235-100 Maint, & Repair - Vehicles 14,822 35,000 20,178 42,35% 1-04-4235-110 Maint, & Rep. Office Building 13,434 25,000 11,566 33,74% 1-04-4235-405 Maint, & Rep. Cequipment 6,581 6,500 (81) 101,25% 1-04-4235-405 Maint, & Rep. Operations - Wells 39,530 100,000 60,470 39,53% 1-04-4235-405 Maint, & Rep. Operations - Boosters 18,011 80,000 61,989 22,51% 1-04-4235-410 Maint, & Rep. Operations - Shop Bidgs 11,097 10,000 (1,097) 110,97% 1-04-4235-420 Maint, & Rep. Operations - Shop Bidgs 11,097 10,000 (1,097) 10,97% 1-04-4235-425 Maint, & Rep. Operations - Water Lines 189,717 250,000 50,283 75,89% 1-04-4235-425 Maint, & Rep. Operations - Water Lines 189,717 250,000 13,456 10,29% 1-04-4235-435 Maint, & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 54,26% 1-04-4235-435 Maint, & Rep. Operations - Large Meters 21,750 20,000 (1,750) 108,75% 1-04-4235-445 Maint, & Rep. Operations - Lemetry 1,375 5,000 3,625 27,50% 1-04-4235-450 Maint, & Rep. Operations - Heavy Equipment 29,607 45,000 15,393 55,79% 1-04-4235-450 Maint, & Rep. Operations - Heavy Equipment 29,607 45,000 16,350 10,476 1										20 00 1000 00 00 00	
1-04-4225-000 Maint & Rep. Equipment Maint & Rep. Equipment G.581 G.500 G.574 Maint & Rep. Equipment G.581 G.500 G.574 Maint & Rep. Equipment G.581 G.500 G.574 Maint & Rep. Equipment G.581 G.500 G.770 Maint & Rep. Departions - Wells Maint & Rep. Departions - Wells Maint & Rep. Departions - Shop Bidgs 11,097 10,000 G.770 10,972 10,974 Maint & Rep. Operations - Shop Bidgs 11,097 10,000 G.787 Maint & Rep. Operations - Facilities 189,717 250,000 G.283 75,89% 1-04-4235-420 Maint & Rep. Operations - Variet Lines 189,717 250,000 G.283 75,89% 1-04-4235-430 Maint & Rep. Operations - Palmdale Dam 1,544 15,000 13,456 10,29% 1-04-4235-430 Maint & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 54,28% 1-04-4235-430 Maint & Rep. Operations - Palmdale Canal 3,007 10,000 G.993 30,07% 1-04-4235-445 Maint & Rep. Operations - Palmdale Canal 3,007 10,000 G.993 30,07% 1-04-4235-445 Maint & Rep. Operations - Happed Reters 21,750 20,000 (1,750) 108,75% 1-04-4235-445 Maint & Rep. Operations - Happed Reters 1,247 10,000 8,753 12,47% 1-04-4235-445 Maint & Rep. Operations - Happed Reters 1,247 10,000 8,753 12,47% 1-04-4235-450 Maint & Rep. Operations - Happed Reters 1,247 10,000 15,393 65,79% 1-04-4235-460 Maint & Rep. Operations - Happed Reters 1,247 10,000 15,393 65,79% 1-04-4235-460 Maint & Rep. Operations - Happed Reters 1,247 10,000 15,393 65,79% 1-04-4235-460 Maint & Rep. Operations - Happed Reters 1,247 10,000 15,393 65,79% 1-04-4235-400 Maint & Rep. Operations - Happed Reters 1,247 10,000 1,3456 12,47% 1,044,300-300 1,3456 1,3456 1,3456 1,3456 1,3456 1,3456 1,3456 1,3456 1,3456 1,3456 1,3456 1,3456 1,3456 1,3456 1,3456 1,3456 1										711,347	
1-04-4230-100 Maint. & Rep. Office Building 13,434 25,000 11,566 53,74% 1-04-4235-410 Maint. & Rep. Deparations - Wells 39,530 100,000 60,470 39,53% 1-04-4235-400 Maint. & Rep. Operations - Boosters 18,011 80,000 61,989 22,51% 1-04-4235-410 Maint. & Rep. Operations - Shop Bldgs 11,097 10,000 (1,097) 110,97% 1-04-4235-410 Maint. & Rep. Operations - Shop Bldgs 11,097 10,000 2,914 80,57% 1-04-4235-410 Maint. & Rep. Operations - Shop Bldgs 11,097 10,000 2,914 80,57% 1-04-4235-420 Maint. & Rep. Operations - Water Lines 12,086 15,000 60,283 75,89% 1-04-4235-420 Maint. & Rep. Operations - Water Lines 189,717 250,000 60,283 75,89% 1-04-4235-430 Maint. & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 54,26% 1-04-4235-430 Maint. & Rep. Operations - Palmdale Canal 3,007 10,000 6,933 30,07% 1-04-4235-440 Maint. & Rep. Operations - Large Meters 21,750 20,000 (1,750) 108,75% 1-04-4235-445 Maint. & Rep. Operations - Large Meters 1,275 5,000 3,625 27,50% 1-04-4235-450 Maint. & Rep. Operations - Heavy Equipment 29,607 45,000 15,333 65,79% 1-04-4235-450 Maint. & Rep. Operations - Heavy Equipment 29,607 45,000 15,333 65,79% 1-04-4235-450 Maint. & Rep. Operations - Heavy Equipment 29,607 45,000 15,333 65,79% 1-04-4235-470 Maint. & Rep. Operations - Heavy Equipment 29,607 45,000 183,496 26,60% 1-04-4300-200 Testing - Regilatory Compliance 843 20,000 183,496 26,60% 1-04-4300-200 Testing - Regilatory Compliance 843 20,000 19,158 4,21% 1-04-4300-200 Testing - Edison Testing - 30,000 30,	1-04-4220-200	Electricity - Buildings		40,520		88,000				47,480	
1-04-4235-410 Maint. & Rep. Equipment 6,581 6,500 6,11 101,25% -04-4235-405 Maint. & Rep. Operations - Wells 39,530 100,000 60,470 39,53% -04-4235-405 Maint. & Rep. Operations - Boosters 18,011 80,000 61,989 22,51% -04-4235-410 Maint. & Rep. Operations - Shop Bldgs 11,097 10,000 (1,097) 110,97% -04-4235-420 Maint. & Rep. Operations - Shop Bldgs 11,097 10,000 (1,097) 110,97% -04-4235-420 Maint. & Rep. Operations - Water Lines 12,086 15,000 22,914 80,57% -04-4235-420 Maint. & Rep. Operations - Vater Lines 189,717 250,000 60,283 75,89% -04-4235-430 Maint. & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 54,26% -04-4235-430 Maint. & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 54,26% -04-4235-430 Maint. & Rep. Operations - Palmdale Canal 3,007 10,000 6,993 30,07% -04-4235-445 Maint. & Rep. Operations - Palmdale Canal 3,007 10,000 6,993 30,07% -04-4235-445 Maint. & Rep. Operations - Happen Meters 21,750 20,000 (1,750) 108,75% -04-4235-455 Maint. & Rep. Operations - Happen Generators 1,247 10,000 8,753 12,47% -04-4235-456 Maint. & Rep. Operations - Happen Generators 1,247 10,000 8,753 12,47% -04-4235-450 Maint. & Rep. Operations - Storage Reservoirs 176 5,000 18,3496 26,60% -04-4235-470 Maint. & Rep. Operations - Storage Reservoirs 176 5,000 18,3496 26,60% -04-4230-300 Testing - Regulatory Compliance 843 20,000 18,494 26,60% -04-4300-100 Testing - Large Meters 6,202 12,500 6,288 49,62% -04-4300-200 Testing - Large Meters 6,202 12,500 6,284 49,62% -04-6300-000 Waste Disposal 7,989 20,000 12,011 39,95% -04-6300-000 Supplies - Edison Testing 7,989 20,000 12,011 39,95% -04-6300-000 Supplies - Hypo Generators 3,173 47,500 3,000 3,000 0,00% -04-6300-000 Supplies - Hypo Generators 3,177 7,550 4,423 41,03% -04-6300-000										Compression of the real	
1-04-4235-405 Maint. & Rep. Operations - Wells 39,530 100,000 60,470 39,53% -04-4235-415 Maint. & Rep. Operations - Boosters 18,011 80,000 (1,097) -04-4235-415 Maint. & Rep. Operations - Shop Bidgs 11,097 10,000 (1,097) -04-4235-420 Maint. & Rep. Operations - Facilities 12,086 15,000 2,914 80,57% -04-4235-425 Maint. & Rep. Operations - Water Lines 189,717 250,000 60,283 75,89% -04-4235-425 Maint. & Rep. Operations - Water Lines 1,544 15,000 13,456 10,29% -04-4235-425 Maint. & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 54,26% -04-4235-435 Maint. & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 54,26% -04-4235-435 Maint. & Rep. Operations - Large Meters 21,750 20,000 (1,750) 108,75% -04-4235-445 Maint. & Rep. Operations - Telemetry 1,375 5,000 3,625 27,50% -04-4235-450 Maint. & Rep. Operations - Palmdale Canal 29,607 45,000 15,393 65,79% -04-4235-450 Maint. & Rep. Operations - Heavy Equipment 29,607 45,000 15,393 65,79% -04-4235-460 Maint. & Rep. Operations - Heavy Equipment 29,607 45,000 15,393 65,79% -04-4235-470 Maint. & Rep. Operations - Storage Reservoirs 176 5,000 183,496 26,60% -04-4270-300 Telecommunication - Other 3,139 4,000 861 78,49% -04-4300-200 Testing - Regulatory Compliance 843 20,000 19,158 4,21% -04-4300-200 Testing - Edison Testing - 30,000 30,000 30,000 -04-507-009 Groundwater Adjudication-Pumping Assessment 1,2370 28,000 12,011 39,95% -04-6300-100 Supplies - General 33,173 47,500 4,423 41,38% -04-6300-200 Uniforms 12,370 28,000 15,630 44,18% -04-6300-200 Uniforms 12,370 28,000 14,337 69,84% -04-6300-300 Supplies - General 3,175 40,000 22,249 44,38% -04-6300-000 Supplies - Hypo Generators 3,007 7,500 4,423 41,38% -04-6300-000 Supplies - Hypo Generators 3,007 7,500 4,423 41,38% -04-63											
1-04-4235-405 Maint. & Rep. Operations - Boosters 18,011 80,000 61,989 22.51% -04-4235-410 Maint. & Rep. Operations - Shop Bldgs 11,097 10,000 (1,097) 110.97% -04-4235-412 Maint. & Rep. Operations - Sacilities 12,086 15,000 2,914 80.57% -04-4235-425 Maint. & Rep. Operations - Water Lines 189,717 250,000 60,283 75,89% -04-4235-425 Maint. & Rep. Operations - Littlerock Dam 1,544 15,000 13,456 10.29% -04-4235-430 Maint. & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 54,26% -04-4235-430 Maint. & Rep. Operations - Palmdale Canal 3,007 10,000 6,993 30,07% -04-4235-445 Maint. & Rep. Operations - Telemetry 1,375 5,000 3,625 27,50% -04-4235-445 Maint. & Rep. Operations - Helemetry 1,375 5,000 3,625 27,50% -04-4235-455 Maint. & Rep. Operations - Hope Generators 1,247 10,000 8,763 12,47% -04-4235-456 Maint. & Rep. Operations - Storage Reservoirs 1,247 10,000 8,763 12,47% -04-4235-460 Maint. & Rep. Operations - Storage Reservoirs 1,247 10,000 8,763 12,47% -04-4235-470 Maint. & Rep. Operations - Storage Reservoirs 176 5,000 15,393 65,79% -04-4235-470 Maint. & Rep. Operations - Storage Reservoirs 176 5,000 183,496 26,60% -04-4230-400 Testing - Regulatory Compliance 843 20,000 183,496 26,60% -04-4300-200 Testing - Regulatory Compliance 843 20,000 19,158 4,21% -04-4300-200 Testing - Edison Testing 2,2771 50,000 27,229 45,54% -04-6300-200 Waste Disposal 7,999 20,000 12,011 39,95% -04-6300-200 Uniforms 12,370 28,000 15,630 41,83% -04-6300-200 Uniforms 12,370 28,000 15,630 41,83% -04-6300-200 Supplies - Flemetry 2,83 5,000 2,247 41,03% -04-6300-200 Supplies - Plemetry 2,83 5,000 2,247 41,03% -04-6300-200 Supplies - Flemetry 2,83 5,000 2,247 41,03% -04-6300-200 Supplies - Construction Materials 17,751 40,000 22,249 44,38%											
1-04-4235-415 Maint. & Rep. Operations - Shop Bldgs										- 10	
1-04-4235-415 Maint & Rep. Operations - Facilities 12,086 15,000 6,931 80,57% -04-4235-426 Maint & Rep. Operations - Water Lines 189,717 250,000 61,283 75,89% -04-4235-426 Maint & Rep. Operations - Palmdale Dam 1,544 15,000 3,430 54,26% -04-4235-430 Maint & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 54,26% -04-4235-430 Maint & Rep. Operations - Palmdale Canal 3,007 10,000 6,993 30,07% -04-4235-440 Maint & Rep. Operations - Palmdale Canal 3,007 10,000 6,993 30,07% -04-4235-445 Maint & Rep. Operations - Telemetry 1,375 5,000 3,625 27,50% -04-4235-450 Maint & Rep. Operations - Hypo Generators 1,247 10,000 15,393 65,79% -04-4235-450 Maint & Rep. Operations - Heavy Equipment 29,607 45,000 15,393 65,79% -04-4235-450 Maint & Rep. Operations - Storage Reservoirs 176 5,000 4,824 3,51% -04-4235-470 Maint & Rep. Operations - Meters Exchanges 66,504 250,000 183,496 26,60% -04-4230-400 Testing - Regulatory Compliance 843 20,000 19,158 4,21% -04-4300-100 Testing - Regulatory Compliance 843 20,000 19,158 4,21% -04-4300-200 Testing - Edison Testing - 30,000 30,000 0,00% -04-5070-009 Groundwater Adjudication-Pumping Assessment 22,771 50,000 27,229 45,54% -04-6300-000 Waste Disposal 7,989 20,000 12,011 39,95% -04-6300-000 Supplies - General 33,173 47,500 4,423 41,03% -04-6300-200 Supplies - Hypo Generators 3,377 7,500 4,423 41,03% -04-6300-300 Supplies - Construction Materials 17,761 40,000 22,249 44,38% -04-6300-000 Tools 16,608 3,544,000 50,508 49,77% -04-6300-000 Supplies - Construction Materials 17,761 40,000 22,249 44,38% -04-6300-000 Tools 16,608 3,544,000 50,508 49,77% -04-6300-000 Supplies - Construction Materials 17,761 40,000 22,249 44,38% -04-6000-000 Tools 16,608 3,544,000 50,508 50,508 50,508 50,508 5											
1-04-4235-420 Maint. & Rep. Operations - Water Lines 189,717 250,000 60,283 75,89% -04-4235-435 Maint. & Rep. Operations - Littlerock Dam 1,544 15,000 13,456 10,29% -04-4235-435 Maint. & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 54,26% -04-4235-435 Maint. & Rep. Operations - Palmdale Canal 3,007 10,000 6,993 30,07% -04-4235-445 Maint. & Rep. Operations - Large Meters 21,750 20,000 (1,750) 108,75% -04-4235-445 Maint. & Rep. Operations - Telemetry 1,375 5,000 3,625 27,50% -04-4235-455 Maint. & Rep. Operations - Hypo Generators 1,247 10,000 8,753 12,47% -04-4235-456 Maint. & Rep. Operations - Heavy Equipment 29,607 45,000 15,393 65,79% -04-4235-460 Maint. & Rep. Operations - Storage Reservoirs 176 5,000 48,24 3,51% -04-4235-470 Maint. & Rep. Operations - Storage Reservoirs 176 5,000 183,496 26,60% -04-4270-300 Telecommunication - Other 3,139 4,000 861 78,49% -04-4300-200 Testing - Regulatory Compliance 843 20,000 19,158 4,21% -04-4300-300 Testing - Large Meters 6,202 12,500 6,298 49,62% -04-4300-300 Testing - Edison Testing - 30,000 30,000 0,00% -04-5070-009 Groundwater Adjudication-Pumping Assessment 22,771 50,000 27,229 45,54% -04-6300-000 Uster Disposal 11,095 40,000 28,906 27,74% -04-6300-000 Supplies - General 33,173 47,500 14,327 69,84% -04-6300-000 Supplies - General 33,173 47,500 4,423 41,03% -04-6300-300 Supplies - Telemetry 2,883 5,000 2,117 57,67% -04-6300-400 Supplies - Telemetry 2,883 5,000 2,117 57,67% -04-6300-400 Supplies - Telemetry 2,883 5,000 2,117 57,67% -04-6300-400 Supplies - Telemetry 2,883 5,000 2,000 3,000 0,00% -04-6300-400 Supplies - Telemetry 2,883 5,000 2,000 3,000 0,00% -04-6300-400 Supplies - Telemetry 2,883 5,000 3,000 3,000 0,00% -04-6300-400 Supplies - Telemet											
1-04-4235-425											
1-04-4235-430 Maint. & Rep. Operations - Palmdale Dam 4,070 7,500 3,430 54,28% -04-4235-435 Maint. & Rep. Operations - Large Meters 21,750 20,000 (1,750) 108,75% -04-4235-445 Maint. & Rep. Operations - Telemetry 1,375 5,000 3,625 27,50% -04-4235-445 Maint. & Rep. Operations - Hypo Generators 1,247 10,000 8,753 12,47% -04-4235-450 Maint. & Rep. Operations - Hypo Generators 1,247 10,000 8,753 12,47% -04-4235-450 Maint. & Rep. Operations - Hoavy Equipment 29,607 45,000 15,393 65,79% -04-4235-460 Maint. & Rep. Operations - Storage Reservoirs 176 5,000 4,824 3.51% -04-4235-470 Maint. & Rep. Operations - Meters Exchanges 66,504 250,000 183,496 26,60% -04-4270-300 Telecommunication - Other 3,139 4,000 861 78,49% -04-4300-100 Testing - Regulatory Compliance 843 20,000 19,158 4,21% -04-4300-300 Testing - Edison Testing - 30,000 30,000 0.00% -04-6300-300 Testing - Edison Testing - 30,000 30,000 0.00% -04-6000-000 Waste Disposal 7,989 20,000 12,011 39,95% -04-6100-100 Fuel and Lube - Vehicle 52,453 105,000 52,547 49,95% -04-6300-200 Fuel and Lube - Machinery 11,095 40,000 28,906 27,74% -04-6300-200 Supplies - General 33,173 47,500 14,327 69,84% -04-6300-200 Supplies - Flemetry 2,883 5,000 2,117 57,67% -04-6300-800 Supplies - Flemetry 2,883 5,000 2,117 57,67% -04-6300-800 Supplies - Flemetry 2,883 5,000 2,117 57,67% -04-6400-000 Leases - Vehicle 16,998 25,000 3,504 43,88% -04-6400-000 Leases - Vehicle 17,775 15,000 22,249 44,88% -04-6400-000 Color 19,087 49,77% -04-6300-100 Leases - Vehicle 18,912.55 38,000 19,087 49,77% -04-6400-000 Color 19,087 49,77% -04-6400			2								
1-04-4235-440 Maint. & Rep. Operations - Large Meters 21,750 20,000 (1,750) 108.75% 104-4235-445 Maint. & Rep. Operations - Telemetry 1,375 5,000 3,625 27.50% 1-04-4235-450 Maint. & Rep. Operations - Hypo Generators 1,247 10,000 8,753 12,47% 1-04-4235-450 Maint. & Rep. Operations - Heavy Equipment 29,607 45,000 15,393 65.79% 1-04-4235-460 Maint. & Rep. Operations - Storage Reservoirs 176 5,000 4,824 3.51% 1-04-4235-470 Maint. & Rep. Operations - Meters Exchanges 66,504 250,000 183,496 26.60% 1-04-4270-300 Telecommunication - Other 3,139 4,000 861 78.49% 1-04-4300-100 Testing - Regulatory Compliance 843 20,000 19,158 4.21% 1-04-4300-300 Testing - Large Meters 6,202 12,500 6,298 49.62% 1-04-4300-300 Testing - Edison Testing - 30,000 30,000 30,000 10.00% 1-04-5070-009 Groundwater Adjudication-Pumping Assessment 22,771 50,000 27,229 45.54% 1-04-6100-100 Fuel and Lube - Vehicle 52,453 105,000 52,547 49.95% 1-04-6100-200 Fuel and Lube - Machinery 11,095 40,000 28,900 15,630 44.18% 1-04-6300-200 Supplies - General 33,173 47,500 14,327 69.84% 1-04-6300-200 Supplies - Hypo Generators 3,077 7,500 3,000 3,000 0.00% 1-04-6300-800 Supplies - Flectrical - 3,000 3,000 3,000 0.00% 1-04-6300-800 Supplies - Flectrical - 3,000 3,000 3,000 0.00% 1-04-6300-800 Supplies - Flectrical - 3,000 3,000 3,000 0.00% 1-04-6300-800 Supplies - Flectrical - 3,000 3,000 3,000 3,000 1-04-6300-800 Supplies - Flectrical - 3,000 3,000	1-04-4235-430					7,500				3,430	
1-04-4235-445 Maint. & Rep. Operations - Telemetry 1,375 5,000 3,625 27.50% -04-4235-450 Maint. & Rep. Operations - Heypo Generators 1,247 10,000 8,753 12.47% -04-4235-450 Maint. & Rep. Operations - Heavy Equipment 29,607 45,000 15,393 65.79% -04-4235-450 Maint. & Rep. Operations - Storage Reservoirs 176 5,000 4,824 3.51% -04-4235-470 Maint. & Rep. Operations - Meters Exchanges 66,504 250,000 183,496 26,60% -04-4200-100 Testing - Regulatory Compliance 843 20,000 19,158 4.21% -04-4300-200 Testing - Large Meters 6,202 12,500 6,298 49,62% -04-4300-300 Testing - Edison Testing - 30,000 30,000 0.00% -04-6100-100 Fuel and Lube - Vehicle 52,453 105,000 52,547 49,95% -04-6100-200 Fuel and Lube - Machinery 11,095 40,000 28,906 27,74% -04-6300-200 Uniforms 12,370 28,000 15,630 44,18% -04-6300-200 Supplies - General 33,173 47,500 3,000 3,000 0.00% -04-6300-200 Supplies - General 33,173 47,500 3,000 3,000 0.00% -04-6300-300 Supplies - Fleemetry 2,883 5,000 2,117 57,67% -04-6300-800 Supplies - Fleemetry 2,883 5,000 2,117 57,67% -04-6300-800 Supplies - Construction Materials 17,751 40,000 22,249 44,38% -04-6300-100 Leases - Vehicle 18,912.55 38,000 19,087 49,77% -04-7000-100 Leases - Vehicles 18,912.55 38,000 19,087 49,77% -04-7000-100 Leases - Vehicles 18,912.55 38,000 52,53% -04-7000-100 Leases - Vehicles 18,912.55 38,000 52,53% -04-7000-100 Leases - Vehicles 18,912.55 38,000 19,087 49,77% -04-7000-100 19,156 19,000 19,087 49,77% -04-7000-100 19,15											
1-04-4235-455 Maint. & Rep. Operations - Hypo Generators											
1-04-4235-455 Maint. & Rep. Operations - Heavy Equipment 29,607 45,000 15,393 65.79% -04-4235-460 Maint. & Rep. Operations - Storage Reservoirs 176 5,000 4,824 3,51% -04-4235-470 Maint. & Rep. Operations - Meters Exchanges 66,504 250,000 183,496 26,60% -04-4270-300 Telecommunication - Other 3,139 4,000 861 78,49% -04-4300-100 Testing - Regulatory Compliance 843 20,000 19,158 4,21% -04-4300-300 Testing - Large Meters 6,202 12,500 6,298 49,62% -04-4300-300 Testing - Edison Testing - 30,000 30,000 0.00% -04-5070-009 Groundwater Adjudication-Pumping Assessment 22,771 50,000 27,229 45,54% -04-6000-000 Waste Disposal 7,989 20,000 12,011 39,95% -04-6100-100 Fuel and Lube - Vehicle 52,453 105,000 52,547 49,95% -04-6300-100 Uniforms 12,370 28,000 15,630 44.18% -04-6300-200 Supplies - General 33,173 47,500 14,327 69,84% -04-6300-200 Supplies - Hypo Generators 3,007 7,500 4,423 41.03% -04-6300-300 Supplies - Electrical - 3,000 3,000 0.00% -04-6300-800 Supplies - Telemetry 2,883 5,000 2,117 57.67% -04-6300-800 Supplies - Construction Materials 17,751 40,000 22,249 44,38% -04-6400-000 Tools 16,098 25,000 8,902 64.39% -04-7000-100 Leases - Vehicles 18,912.55 38,000 19,087 49.77% -04-7000-100 Leases - Vehicles 18,912.55 38,000 3,544,000 \$ - \$1,682,260 52.53% Subtotal Operating Expenses \$1,861,740 \$3,544,000 \$ - \$1,682,260 52.53%											
1-04-4235-460 Maint. & Rep. Operations - Storage Reservoirs 176 5,000 4,824 3.51% -04-4235-470 Maint. & Rep. Operations - Meters Exchanges 66,504 250,000 183,496 26,60% -04-4270-300 Telecommunication - Other 3,139 4,000 861 78,49% -04-4300-100 Testing - Regulatory Compliance 843 20,000 19,158 4.21% -04-4300-200 Testing - Large Meters 6,202 12,500 6,298 49,62% -04-4300-300 Testing - Edison Testing - 30,000 30,000 0.00% -04-5070-009 Groundwater Adjudication-Pumping Assessment 22,771 50,000 27,229 45,54% -04-6000-000 Waste Disposal 7,989 20,000 12,011 39,95% -04-6100-100 Fuel and Lube - Vehicle 52,453 105,000 52,547 49,95% -04-6300-400 Uniforms 12,370 28,000 15,630 44,18% -04-6300-100 Supplies - General 33,173 47,500 14,327 69,84% -04-6300-200 Supplies - Hypo Generators 3,077 7,500 4,423 41,03% -04-6300-300 Supplies - Telemetry 2,883 5,000 2,117 57,67% -04-6300-800 Supplies - Construction Materials 17,751 40,000 22,249 44,38% -04-6400-000 Tools 16,098 25,000 8,902 64,39% -04-7000-100 Leases - Vehicles 18,912.55 38,000 19,087 49,77% -04-7000-100 Leases - Vehicles 18,912.55 38,000 3,000 52,53% -04-7000-100 Leases - Vehicles 52,53% 52,53% -04-7000-100 Leases - V											
1-04-4235-470											
1-04-4270-300 Telecommunication - Other 3,139 4,000 861 78.49% 1-04-4300-100 Testing - Regulatory Compliance 843 20,000 19,158 4.21% 1-04-4300-200 Testing - Large Meters 6,202 12,500 6,298 49.62% 1-04-4300-300 Testing - Edison Testing - 30,000 30,000 0.00% 1-04-5070-009 Groundwater Adjudication-Pumping Assessment 22,771 50,000 27,229 45.54% 1-04-6000-000 Waste Disposal 7,989 20,000 12,011 39.95% 1-04-6100-100 Fuel and Lube - Vehicle 52,453 105,000 52,547 49.95% 1-04-6100-200 Fuel and Lube - Machinery 11,095 40,000 28,906 27.74% 1-04-6300-200 Supplies - General 33,173 47,500 14,327 69.84% 1-04-6300-200 Supplies - Hypo Generators 3,077 7,500 4,423 41.03% 1-04-6300-300 Supplies - Electrical - 3,000 3,000 0.00% </td <td></td>											
1-04-4300-200 Testing - Large Meters 6,202 12,500 6,298 49.62% 1-04-4300-300 Testing - Edison Testing - 30,000 30,000 0.00% 1-04-5070-009 Groundwater Adjudication-Pumping Assessment 22,771 50,000 27,229 45.54% 1-04-6000-000 Waste Disposal 7,989 20,000 12,011 39.95% 1-04-6100-100 Fuel and Lube - Vehicle 52,453 105,000 28,906 27.74% 1-04-6200-000 Fuel and Lube - Machinery 11,095 40,000 28,906 27.74% 1-04-6200-000 Uniforms 12,370 28,000 15,630 44.18% 1-04-6300-100 Supplies - General 33,173 47,500 14,327 69.84% 1-04-6300-200 Supplies - Hypo Generators 3,077 7,500 4,423 41.03% 1-04-6300-300 Supplies - Electrical - 3,000 3,000 0.00% 1-04-6300-400 Supplies - Construction Materials 17,751 40,000 22,249 44.38% 1-04-6400-000 Tools 16,098 25,000 8,902		·									78.49%
1-04-4300-300 Testing - Edison Testing - 30,000 30,000 0.00% 1-04-5070-009 Groundwater Adjudication-Pumping Assessment 22,771 50,000 27,229 45.54% 1-04-6000-000 Waste Disposal 7,989 20,000 12,011 39.95% 1-04-6100-100 Fuel and Lube - Vehicle 52,453 105,000 52,547 49.95% 1-04-6100-200 Fuel and Lube - Machinery 11,095 40,000 28,906 27.74% 1-04-6200-000 Uniforms 12,370 28,000 15,630 44.18% 1-04-6300-100 Supplies - General 33,173 47,500 14,327 69.84% 1-04-6300-200 Supplies - Hypo Generators 3,077 7,500 4,423 41.03% 1-04-6300-300 Supplies - Electrical - 3,000 3,000 0.00% 1-04-6300-400 Supplies - Telemetry 2,883 5,000 2,117 57.67% 1-04-6400-000 Tools 16,098 25,000 8,902 64.39% 1-04-7000-100 Leases - Equipment 17,970 15,000 (2,970) 119.80%				843		20,000					
1-04-5070-009 Groundwater Adjudication-Pumping Assessment 22,771 50,000 27,229 45.54% 1-04-6000-000 Waste Disposal 7,989 20,000 12,011 39.95% 1-04-6100-100 Fuel and Lube - Vehicle 52,453 105,000 52,547 49.95% 1-04-6100-200 Fuel and Lube - Machinery 11,095 40,000 28,906 27.74% 1-04-6200-000 Uniforms 12,370 28,000 15,630 44.18% 1-04-6300-100 Supplies - General 33,173 47,500 14,327 69.84% 1-04-6300-200 Supplies - Hypo Generators 3,077 7,500 4,423 41.03% 1-04-6300-300 Supplies - Electrical - 3,000 3,000 0.00% 1-04-6300-400 Supplies - Telemetry 2,883 5,000 2,117 57.67% 1-04-6300-800 Supplies - Construction Materials 17,751 40,000 22,249 44.38% 1-04-6400-000 Tools 16,098 25,000 8,902 64.39% 1-04-7000-100 Leases - Equipment 17,970 15,000 (2,970) 119.80%				6,202							
1-04-6000-000 Waste Disposal 7,989 20,000 12,011 39.95% 1-04-6100-100 Fuel and Lube - Vehicle 52,453 105,000 52,547 49.95% 1-04-6100-200 Fuel and Lube - Machinery 11,095 40,000 28,906 27.74% 1-04-6200-000 Uniforms 12,370 28,000 15,630 44.18% 1-04-6300-100 Supplies - General 33,173 47,500 14,327 69.84% 1-04-6300-200 Supplies - Hypo Generators 3,077 7,500 4,423 41.03% 1-04-6300-300 Supplies - Electrical - 3,000 3,000 0.00% 1-04-6300-400 Supplies - Telemetry 2,883 5,000 2,117 57.67% 1-04-6300-800 Supplies - Construction Materials 17,751 40,000 22,249 44.38% 1-04-6400-000 Tools 16,098 25,000 8,902 64.39% 1-04-7000-100 Leases - Fequipment 17,970 15,000 (2,970) 119.80% 1-04-7000-100 Leases - Vehicles 18,912.55 38,000 19,087 49.77% <t< td=""><td></td><td></td><td></td><td>-</td><td></td><td>to the second second second</td><td></td><td></td><td></td><td></td><td></td></t<>				-		to the second second second					
1-04-6100-100 Fuel and Lube - Vehicle 52,453 105,000 52,547 49.95% 1-04-6100-200 Fuel and Lube - Machinery 11,095 40,000 28,906 27.74% 1-04-6200-000 Uniforms 12,370 28,000 15,630 44.18% 1-04-6300-100 Supplies - General 33,173 47,500 14,327 69.84% 1-04-6300-200 Supplies - Hypo Generators 3,077 7,500 4,423 41.03% 1-04-6300-300 Supplies - Electrical - 3,000 3,000 0.00% 1-04-6300-400 Supplies - Telemetry 2,883 5,000 2,117 57.67% 1-04-6300-800 Supplies - Construction Materials 17,751 40,000 22,249 44.38% 1-04-6400-000 Tools 16,098 25,000 8,902 64.39% 1-04-7000-100 Leases - Equipment 17,970 15,000 (2,970) 119.80% 1-04-7000-100 Leases - Vehicles 18,912.55 38,000 19,087 49.77% Subtotal Operating Expenses \$ 1,861,740 \$ 3,544,000 \$ 1,682,260 52.53%										and the second	
1-04-6100-200 Fuel and Lube - Machinery 11,095 40,000 28,906 27.74% 1-04-6200-000 Uniforms 12,370 28,000 15,630 44.18% 1-04-6300-100 Supplies - General 33,173 47,500 14,327 69.84% 1-04-6300-200 Supplies - Hypo Generators 3,077 7,500 4,423 41.03% 1-04-6300-300 Supplies - Electrical - 3,000 3,000 0.00% 1-04-6300-400 Supplies - Telemetry 2,883 5,000 2,117 57.67% 1-04-6300-800 Supplies - Construction Materials 17,751 40,000 22,249 44.38% 1-04-6400-000 Tools 16,098 25,000 8,902 64.39% 1-04-7000-100 Leases - Equipment 17,970 15,000 (2,970) 119.80% 1-04-7000-100 Leases - Vehicles 18,912.55 38,000 19,087 49.77% Subtotal Operating Expenses \$ 1,861,740 \$ 3,544,000 \$ 1,682,260 52.53%		\$1.50 (COM) \$25.4 (CM) \$20.0 \$10.000				Discoulded by Seconds					
1-04-6200-000 Uniforms 12,370 28,000 15,630 44.18% 1-04-6300-100 Supplies - General 33,173 47,500 14,327 69.84% 1-04-6300-200 Supplies - Hypo Generators 3,077 7,500 4,423 41.03% 1-04-6300-300 Supplies - Electrical - 3,000 3,000 0.00% 1-04-6300-400 Supplies - Telemetry 2,883 5,000 2,117 57.67% 1-04-6300-800 Supplies - Construction Materials 17,751 40,000 22,249 44.38% 1-04-6400-000 Tools 16,098 25,000 8,902 64.39% 1-04-7000-100 Leases - Equipment 17,970 15,000 (2,970) 119.80% 1-04-7000-100 Leases - Vehicles 18,912.55 38,000 19,087 49.77% Subtotal Operating Expenses \$ 1,861,740 \$ 3,544,000 \$ 1,682,260 52.53%											
1-04-6300-100 Supplies - General 33,173 47,500 14,327 69.84% 1-04-6300-200 Supplies - Hypo Generators 3,077 7,500 4,423 41.03% 1-04-6300-300 Supplies - Electrical - 3,000 3,000 0.00% 1-04-6300-400 Supplies - Telemetry 2,883 5,000 2,117 57.67% 1-04-6300-800 Supplies - Construction Materials 17,751 40,000 22,249 44.38% 1-04-6400-000 Tools 16,098 25,000 8,902 64.39% 1-04-7000-100 Leases - Equipment 17,970 15,000 (2,970) 119.80% 1-04-7000-100 Leases - Vehicles 18,912.55 38,000 19,087 49.77% Subtotal Operating Expenses \$ 1,861,740 \$ 3,544,000 \$ 1,682,260 52.53%											
1-04-6300-200 Supplies - Hypo Generators 3,077 7,500 4,423 41.03% 1-04-6300-300 Supplies - Electrical - 3,000 3,000 0.00% 1-04-6300-400 Supplies - Telemetry 2,883 5,000 2,117 57.67% 1-04-6300-800 Supplies - Construction Materials 17,751 40,000 22,249 44.38% 1-04-6400-000 Tools 16,098 25,000 8,902 64.39% 1-04-7000-100 Leases - Equipment 17,970 15,000 (2,970) 119.80% 1-04-7000-100 Leases - Vehicles 18,912.55 38,000 19,087 49.77% Subtotal Operating Expenses \$ 1,861,740 \$ 3,544,000 \$ - \$ 1,682,260 52.53%											
1-04-6300-400 Supplies - Telemetry 2,883 5,000 2,117 57.67% 1-04-6300-800 Supplies - Construction Materials 17,751 40,000 22,249 44.38% 1-04-6400-000 Tools 16,098 25,000 8,902 64.39% 1-04-7000-100 Leases - Equipment 17,970 15,000 (2,970) 119.80% 1-04-7000-100 Leases - Vehicles 18,912.55 38,000 19,087 49.77% Subtotal Operating Expenses \$ 1,861,740 \$ 3,544,000 \$ - \$ 1,682,260 52.53%				3,077						4,423	41.03%
1-04-6300-800 Supplies - Construction Materials 17,751 40,000 22,249 44.38% 1-04-6400-000 Tools 16,098 25,000 8,902 64.39% 1-04-7000-100 Leases - Equipment 17,970 15,000 (2,970) 119.80% 1-04-7000-100 Leases - Vehicles 18,912.55 38,000 19,087 49.77% Subtotal Operating Expenses \$ 1,861,740 \$ 3,544,000 \$ - \$ 1,682,260 52.53%											
1-04-6400-000 Tools 16,098 25,000 (2,970) 8,902 64.39% 1-04-7000-100 Leases - Equipment 1-04-7000-100 Leases - Vehicles Subtotal Operating Expenses 18,912.55 38,000 19,087 49.77% \$ 1,861,740 \$ 3,544,000 \$ - \$ 1,682,260 52.53%										Committee of the commit	
1-04-7000-100 Leases - Equipment 17,970 15,000 (2,970) 119.80% 1-04-7000-100 Leases - Vehicles 18,912.55 38,000 19,087 49.77% Subtotal Operating Expenses \$ 1,861,740 \$ 3,544,000 \$ - \$ 1,682,260 52.53%				and the second							
1-04-7000-100 Leases - Vehicles 18,912.55 38,000 19,087 49.77% Subtotal Operating Expenses \$ 1,861,740 \$ 3,544,000 \$ - \$ 1,682,260 52.53%											
Subtotal Operating Expenses \$ 1,861,740 \$ 3,544,000 \$ - \$ 1,682,260 52.53%										Additional for the second	
Total Departmental Expenses \$ 3,655,277 \$ 6,623,500 \$ (68,750) \$ 2,899,473 55.77%					\$		\$	-	\$		
	Tota	Departmental Expenses	\$	3,655,277	\$	6,623,500	\$	(68,750)	\$	2,899,473	55.77%

^{**} Budget adjustments by Board action 04/12/17

Page 18 Prepared 9/20/2017 7:25 AM

Palmdale Water District 2017 Operation Budget For the Seven Months Ending Monday, July 31, 2017

		YTD		ORIGINAL				DJUSTED	
		ACTUAL		BUDGET	AD.	JUSTMENTS		BUDGET	PERCENT
	_	2017		2017		2017	R	EMAINING	USED
Personnel Budget:									
1-05-4000-000 Salaries	\$	568,235	\$	920,000			\$	351,765	61.76%
1-05-4000-100 Overtime		45,303		56,000				10,697	80.90%
Subtotal (Salaries)	\$	613,538	\$	976,000	\$	-	\$	362,462	62.86%
Employee Benefits									
1-05-4005-000 Payroll Taxes		47,203		67,000				19,797	70.45%
1-05-4010-000 Health Insurance		103,144		144,250				41,106	71.50%
1-05-4015-000 PERS		58,477		111,000				52,523	52.68%
Subtotal (Benefits)	\$	208,824	\$	322,250	\$	=	\$	113,426	64.80%
Total Personnel Expenses	\$	822,362	\$	1,298,250	\$	-	\$	475,888	63.34%
ODEDATING EVDENGES									
OPERATING EXPENSES:	•	4 400	•	0.500			•	4.047	50.00 0/
1-05-4050-000 Staff Travel	\$	1,483	\$	2,500			\$	1,017	59.32%
1-05-4060-000 Staff Conferences & Seminars		1,210		2,500				1,290	48.40%
1-05-4155-000 Contracted Services		68,925		88,000				19,075	78.32%
1-05-4175-000 Permits		60,629		40,000				(20,629)	151.57%
1-05-4215-200 Natural Gas - WTP		837		3,000				2,163	27.90%
1-05-4220-200 Electricity - WTP		167,106		125,000				(42,106)	133.68%
1-05-4230-110 Maint. & Rep Office Equipment		-		500				500	0.00%
1-05-4235-110 Maint. & Rep. Operations - Equipment		3,446		20,000				16,554	17.23%
1-05-4235-410 Maint. & Rep. Operations - Shop Bldgs				6,000				6,000	0.00%
1-05-4235-415 Maint. & Rep. Operations - Facilities		70,154		65,000				(5,154)	107.93%
1-05-4235-450 Maint. & Rep. Operations - Hypo Generator		12,513		65,000				52,487	19.25%
1-05-4235-500 Maint. & Rep. Operations - Wind Turbine		(1,405)		30,000				31,405	-4.68%
1-05-4236-000 Palmdale Lake Management		12,463		40,000				27,537	31.16%
1-05-6000-000 Waste Disposal		2,044		20,000				17,956	10.22%
1-05-6200-000 Uniforms		7,468		16,000				8,532	46.67%
1-05-6300-100 Supplies - General		7,185		15,000				7,815	47.90%
1-05-6300-600 Supplies - Lab		43,096		50,000				6,904	86.19%
1-05-6300-700 Outside Lab Work		32,025		60,000				27,975	53.38%
1-05-6400-000 Tools		4,108		6,500				2,392	63.20%
1-05-6500-000 Chemicals		362,914		560,000				197,086	64.81%
1-05-7000-100 Leases -Equipment		E		3,000				3,000	0.00%
3-05-4300-100 Filter Media Testing/Inspection		18,348		30,000				11,652	61.16%
Subtotal Operating Expenses	\$	874,547	\$	1,248,000	\$	-	\$	373,453	70.08%
Total Departmental Expenses	\$	1,696,909	\$	2,546,250	\$	-	\$	849,341	66.64%

Prepared 9/20/2017 7:25 AM Page 19

Palmdale Water District 2017 Finance Budget

For the Seven Months Ending Monday, July 31, 2017

		YTD ACTUAL 2017	-	RIGINAL BUDGET 2017	AD	JUSTMENTS 2017		DJUSTED BUDGET EMAINING	PERCENT USED
Personnel Budget:									
1-06-4000-000 Salaries 1-06-4000-100 Overtime	\$	399,844 837	\$	683,500 4,000			\$	283,656 3,163	58.50% 20.92%
Subtotal (Salaries)	\$	400,680	\$	687,500	\$	-	\$	286,820	58.28%
Employee Benefits									
1-06-4005-000 Payroll Taxes		29,968		53,000				23,032	56.54%
1-06-4010-000 Health Insurance		54,711		88,500				33,789	61.82%
1-06-4015-000 PERS		43,183		87,000				43,817	49.64%
Subtotal (Benefits)	\$	127,863	\$	228,500	\$	•	\$	100,637	55.96%
Total Personnel Expenses	\$	528,543	\$	916,000	\$	-	\$	387,457	57.70%
OPERATING EXPENSES:	_		_				_		
1-06-4155-000 Contracted Services	\$	5,150	\$	6,000			\$	850	85.83%
1-06-4155-100 Contracted Services - Infosend		154,277		280,000				125,723	55.10%
1-06-4165-000 Memberships/Subscriptions		220		500				280	44.00%
1-06-4230-110 Maintenance & Repair - Office Equipment		-		500				500	0.00% 0.00%
1-06-4250-000 General Material & Supplies 1-06-4260-000 Business Forms		668		3,000				3,000	16.70%
1-06-4260-000 Business Forms 1-06-4270-100 Telecommunication - Office				4,000				3,332	91.40%
		16,452		18,000				1,548 4,130	73.35%
1-06-4270-200 Telecommunication - Cellular Stipend 1-06-7000-100 Leases - Equipment		11,370 1.868		15,500 3,000				1,132	62.27%
Subtotal Operating Expenses	\$	190,005	\$	330,500	\$		\$	140,495	57.49%
			-						
Total Departmental Expenses	\$	718,549	\$	1,246,500	\$		\$	527,951	57.65%

Prepared 9/20/2017 7:25 AM Page 20

Palmdale Water District 2017 Water Conservation Budget For the Seven Months Ending Monday, July 31, 2017

		YTD	OI	RIGINAL			Αľ	DJUSTED	
	A	CTUAL	В	UDGET	AD.	JUSTMENTS	_	BUDGET	PERCENT
		2017		2017		2017	RE	MAINING	USED
Personnel Budget:									
1-07-4000-000 Salaries	\$	83,236	\$	144,000			\$	60,764	57.80%
1-07-4000-100 Overtime		540		1,000				460	54.02%
Subtotal (Salaries)	\$	83,776	\$	145,000			\$	61,224	57.78%
Employee Benefits 1-07-4005-000 Payroll Taxes		6.722		11,000				4,278	61.11%
1-07-4010-000 Health Insurance		21.256		36,500				15,244	58.24%
1-07-4015-000 PERS		9,664		18,500				8,836	52.24%
Subtotal (Benefits)	\$	37,642	\$	66,000	\$	-	\$	28,358	57.03%
Total Personnel Expenses	\$	121,419	\$:	211,000	\$	-	\$	89,121	57.54%
OPERATING EXPENSES:									
1-07-4050-000 Staff Travel	\$	278	\$	1,000			\$	722	
1-07-4060-000 Staff Confrences & Seminar		75		1,500				1,425	
1-07-4190-300 Public Relations - Landscape Workshop/Training		124		1,000				876	12.43%
1-07-4190-400 Public Relations - Contests		-		1,000				1,000	0.00%
1-07-4190-500 Public Relations - Education Programs*		5,374		2,500		4,000		1,126	214.95%
1-07-4190-900 Public Relations - Other*		546		5,000		(2,000)		2,454	10.92%
1-07-6300-100 Supplies - Misc.	_	520	_	5,000	Φ.	0.000	_	4,480	10.40%
Subtotal Operating Expenses	\$	6,917	\$	17,000	\$	2,000	\$	12,083	40.69%
Total Departmental Expenses	\$	128,336	\$ 2	228,000	\$	2,000	\$	101,205	56.29%

^{*} Budget adjustments by General Manager per Appendix A

Prepared 9/20/2017 7:25 AM Page 21

Palmdale Water District 2017 Human Resources Budget

For the Seven Months Ending Monday, July 31, 2017

			YTD	OR	RIGINAL			AD	JUSTED	
		P	ACTUAL	В	JDGET	AD.	JUSTMENTS	В	UDGET	PERCENT
			2017		2017		2017	RE	MAINING	USED
Personnel Budget	:									
1-08-4000-000	Salaries	\$	72,464	\$ 1	122,000			\$	49,536	59.40%
1-08-4000-200	Salaries - Intern Program*		4,964		-		16,000		11,036	31.03%
Subto	otal (Salaries)	\$	77,428	\$ 1	122,000	\$	16,000	\$	60,572	63.47%
Employee Benefit	S									
1-08-4005-000			5,958		9,500				3,542	62.72%
1-08-4010-000	Health Insurance		13,320		19,500				6,180	68.31%
1-08-4015-000	PERS		4,438		8,000				3,562	55.48%
	otal (Benefits)	\$	23,716	\$	37,000	\$	=	\$	13,284	64.10%
Total	Davagenal Evenance		101 145	6 4	150,000	¢.	16 000	Ф.	72 OEE	57.80%
lotai	Personnel Expenses	*	101,145	\$	159,000	\$	16,000	Ф	73,855	57.80%
OPERATING EXP	PENSES:									
1-08-4050-000		\$	68	\$	1,500			\$	1,432	4.54%
1-08-4060-000	Staff Conferences & Seminars	37	749		1,500				751	49.93%
1-08-4070-000	Employee Expense		24,981		50,000				25,019	49.96%
1-08-4090-000	Temporary Staffing		15,072						(15,072)	
1-08-4095-000	Employee Recruitment		3,377		3,000				(377)	112.56%
1-08-4100-000	Employee Retention		291		5,000				4,709	5.81%
1-08-4105-000	Employee Relations		2,704		3,500				796	77.24%
1-08-4120-100	Training-Safety		7,147		35,000				27,853	20.42%
1-08-4120-200	Training-Speciality		3,811		15,000				11,189	25.41%
1-08-4121-000	Safety Program		40		1,000				960	4.00%
1-08-4165-000	Membership/Subscriptions		1,077		1,600				523	67.32%
1-08-4165-100	HR/Safety Publications				1,000				1,000	0.00%
1-08-6300-500	Supplies - Safety		24,585		20,000				(4,585)	122.92%
Subto	otal Operating Expenses	\$	83,901	\$ 1	138,100	\$	-	\$	54,199	60.75%
Total	Departmental Expenses	\$	185,046	\$ 2	297,100	\$	16,000	\$	128,054	59.10%
Total	Dopartinontal Expenses	<u></u>	100,040	ΨΖ	-57,100	Ψ	10,000	Ψ	120,004	33.1070

^{*} Budget adjustments by General Manager per Appendix A

Palmdale Water District 2017 Information Technology Budget For the Seven Months Ending Monday, July 31, 2017

		YTD ACTUAL 2017		RIGINAL BUDGET 2017	AD	JUSTMENTS 2017		DJUSTED BUDGET EMAINING	PERCENT
	-	2017		2017		2017	171	LINAIMINO	- OOLD
Personnel Budget:									
1-09-4000-000 Salaries	\$	105,013	\$	176,000			\$	70,987	59.67%
1-09-4000-100 Overtime		533		2,500				1,967	21.34%
Subtotal (Salaries)	\$	105,546	\$	178,500			\$	72,954	59.13%
Employee Benefits									
1-09-4005-000 Payroll Taxes		8,024		18,250				10,226	43.97%
1-09-4010-000 Health Insurance		16,917		38,500		V.		21,583	43.94%
1-09-4015-000 PERS		10,626		22,750				12,124	46.71%
Subtotal (Benefits)	\$	35,567	\$	79,500	\$	-	\$	43,933	44.74%
Tatal Day and I Farman	_	444 440	•	050.000	_		Φ.	444.000	5.4.700/
Total Personnel Expenses	\$	141,113	\$	258,000	\$		\$	114,920	54.70%
OPERATING EXPENSES:									
1-09-4050-000 Staff Travel	\$	610	\$	3,000			\$	2,390	20.35%
1-09-4060-000 Staff Confrences & Seminars		6,433		3,500				(2,933)	183.80%
1-09-4155-000 Contracted Services*		51,148		101,500		(15,000)		35,352	59.13%
1-09-4165-000 Memberships/Subscriptions		459		2,000				1,541	22.95%
1-09-4270-000 Telecommunications		50,210		87,250				37,040	57.55%
1-09-8000-100 Computer Equipment - Computers		19,371		45,000				25,629	43.05%
1-09-8000-200 Computer Equipment - Laptops		8,900		45,000				36,100	19.78%
1-09-8000-300 Computer Equipment - Monitors		859		2,000				1,141	42.93%
1-09-8000-400 Computer Equipment - Printers		3 = 3		5,000				5,000	0.00%
1-09-8000-500 Computer Equipment - Toner Cartridges		159		3,000				2,841	5.31%
1-09-8000-550 Computer Equipment - Telephony		840		2,500				1,660	33.59%
1-09-8000-600 Computer Equipment - Other		13,571		40,000				26,429	33.93%
1-09-8100-100 Computer Software - Maint. and Support*		26,070		60,000		15,000		48,930	34.76%
1-09-8100-140 Computer Software - Starnik		55,374		72,000				16,626	76.91%
1-09-8100-150 Computer Software - Dynamics GP Support		10,180		60,000				49,820	16.97%
1-09-8100-200 Computer Software - Software and Upgrades		3,424		15,000				11,576	22.83%
Subtotal Operating Expenses	\$	247,609	\$	546,750	\$	-	\$	299,141	45.29%
Total Departmental Expenses	\$	388,722	\$	804,750	\$	<u>-</u>	\$	414,061	48.30%

^{*} Budget adjustments by General Manager per Appendix A

Palmdale Water District 2017 Customer Care Budget For the Seven Months Ending Monday, July 31, 2017

	 YTD ACTUAL 2017	ORIGINAL BUDGET 2017	AD	JUSTMENTS 2017	E	DJUSTED BUDGET EMAINING	PERCENT
Personnel Budget:							
1-10-4000-000 Salaries 1-10-4000-100 Overtime	\$ 485,498 2,185	\$ 886,000 10,000			\$	400,502 7,815	54.80% 21.85%
Subtotal (Salaries)	\$ 487,684	\$ 896,000	\$	-	\$	408,316	54.43%
Employee Panafita							
Employee Benefits 1-10-4005-000 Payroll Taxes	37,381	65,500				28,119	57.07%
1-10-4010-000 Health Insurance	115,413	166,000				50,587	69.53%
1-10-4015-000 PERS	52,780	113,500				60,720	46.50%
Subtotal (Benefits)	\$ 205,574	\$ 345,000	\$	=	\$	139,426	59.59%
Total Personnel Expenses	\$ 693,258	\$ 1,241,000	\$	=	\$	547,742	55.86%
OPERATING EXPENSES:							
1-10-4050-000 Staff Travel	\$ -	\$ 1,000			\$	1,000	0.00%
1-10-4060-000 Staff Conferences & Seminars	-	2,000				2,000	0.00%
1-10-4155-000 Contracted Services	11,193	22,000				10,807	50.88%
1-10-4230-110 Maintenance & Repair-Office Equipment	-	500				500	0.00%
1-10-4250-000 General Material & Supplies	3,085	7,500				4,415	41.14%
1-10-4260-000 Business Forms	 	 4,000				4,000	0.00%
Subtotal Operating Expenses	\$ 14,279	\$ 37,000	\$	-	\$	22,721	38.59%
Total Departmental Expenses	\$ 707,537	\$ 1,278,000	\$	-	\$	570,463	55.36%

Page 24 Prepared 9/20/2017 7:26 AM

<u>Palmdale Water District</u> <u>2017 Capital Projects - Contractual Commitments and Needs</u>

New and Replacement Capital Projects

Budget Work					Approved	Board / Manager	Payments Approved to		Through													
Year Order	Project Title	Project Type	Estimated Expense	Contractor	Contract Amount	Approval		Contract Balance		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2017 Tot
2017 14-603	Upper Amargosa Recharge Project	Water Supply		City of Palmdale	\$ 1,250,000	12/04/2013	\$ 129,215							,					300,000	1101	300,000	
2017 16-408	Water Meter Replacement Projects (Spec 1602) - Purchase	Replaceent Cap.		Inland Water Works	439,419	10/10/2016	431,459	7,960		113,859	231,921	80,893		4,786								431,4
2017 12-609	Ave. Q-1, Q-2, Q-3 Water Main Replacement (Spec 1211)	Replacement Cap.		Bob O Const.	57,500	10/12/2016	57,500		42,750			1,900	2,875									14,7
2017 16-408	Water Meter Replacement Projects (Spec 1602) - Installation	Replacement Cap.		Bob O Const.	144,443	10/12/2016	132,826	11,617				40,472	37,251		48,461	6,641						132,8
2017 15-615	Well No. 15 Rehabilitation - Water Quality	Replacement Cap.		Layne	114,826	10/26/2016	114,826	-			114,826		,		,							114,8
2017 16-609	Board Room Video Upgrades	Replacement Cap.		CWI/Backyard Images	60,000	10/26/2016	57,016	2,984	28,508	28,508							2,984					31,4
2017 16-415	El Camino Underground Booster - 40hp	Replacement Cap.		Roadrunner Pump	16,196	11/01/2016	13,834	2,362	10,531	3,303							,					3,3
2017 16-610	Well No. 18 Rehabilitation	Replacement Cap.		Roadrunner Pump	17,418	11/02/2016	14,687	-	,	12,342		2,344										14,6
2017 17-364	75 hp - Underground Booster Station	Replacement Cap.		Roadrunner Pump	5,665	01/25/2017	5,665	-			5,665	,										5,6
2017 15-612	El Camino Watermain Replacement - Paving	Replacement Cap.		ANM	36,700	01/31/2017	36,700	-			36,700											36,7
2017 16-612	Well No. 8A Rehabilitation - Emergency	Replacement Cap.		Best Drilling & Pump, Inc.	141,180	01/23/2017	133,537	7,643	***************************************		14,820	44,265	74,452	1,389	4,608	***************************************			***************************************			139,5
2017 17-269	Washwater Return Pump Replacement	Replacement Cap.		Rockwell/Electric Motors	20,802	02/15/2017	15,599	5,203			, ,	15,599	, -	,,,,,,	, , , , , ,							15,5
2017 17-269	Washwater Return Pump Replacement	Replacement Cap.		Surface Pumps	20,140		20,139	1					20,139									20,1
2017 17-286	3600' Back-up Booster Pump	Replacement Cap.		Roadrunner Pump			1,871	(1,871)			1,871											1,8
2017 17-260	Wind Turbine Interconnection Repairs	Replacement Cap.		Hot-Line	13,107	02/01/2017	12,591	516			43,148	16,095	8,601	13,720	(68,973)							12,5
2017 17-605	Wind Turbine Generator Rebuild/Repairs (Reclassed from 17-260)	Replacement Cap.		Worldwind Services, Inc.	68,973	02/01/2017	68,973	-			-,	.,	-,	-,	68,973							68,9
2017 17-601	Well 10 Emergency Rehabilitation	Replacement Cap.		Roadrunner Pump	39,469	03/23/2017	-	39,469							/			39,469				39,4
2017 16-411	Clearwell 2950' Discharge Piping and Valve	Replacement Cap.		Southwest Valve & Equip.	36,961	03/01/2017	61,320	(24,359)						33,907	27,413			/				61,3
2017 16-607	2800' Booster No. 1 and 3 Repair	Replacement Cap.	-	Best Drilling & Pump, Inc.	114,295		-	114,295						00,507	,		50,855	63,440				114,2
2017 17-603	WTP Control Room Upgrades	Replacement Cap.		Kuhnhofer	30,458	03/27/2017	19,708	10,750						6,898	12,810			/				19,70
2017 12-400	PRGRRP - Construction of Monitoring Wells / Test Basin	Water Supply		Environmental Const.	427,490	04/26/2017	-	427,490						0,050	,0-0			100,000	100,000	100 000	127,490	
2017 15-611	Camares and Avenue S-14 Water Main Replacement (Spec 1502)	Replacement Cap.	\$ 110,000		127,130	0.1,20,2017	_	.27,130										10,000	50,000	50,000	127,130	110,0
2017 15-613	Avenue V-5 Water Main Replacement (Spec 1502)	Replacement Cap.	45,000				_											10,000	25,000	20,000		45,0
2017 16-608	Ave. Q-1, Q-2, Q-3, Q-4, and Q-5 @ 5th St. E. Water Main Repl. (Spec 1603)	Replacement Cap.	25,000															25,000	23,000	20,000		25,0
2017	Water Meter Replacement Program for 2017	Replacement Cap.	700,000				_											200,000	200,000	200,000	100,000	700,0
2017	Parking Lot Resurfacing	Replacement Cap.	110,000				_											200,000	200,000	110,000	100,000	110,0
2017	Well No. 6A Rehabilitation	Replacement Cap.	75,000				_												45,000	30,000		75,0
2017	Well No. 29 Rehabilitation	Replacement Cap.	60,000				_												30,000	30,000		60,0
2017	Well No. 35 Rehabilitation	Replacement Cap.	60,000				_											30,000	30,000	30,000		60,0
2017 16-611	CL2 Monitoring @ Well Sites	Regulatory	110,000															25,000	25,000	35,000	25,000	
2017 15-614	Drainage Improvements @ WTP	New Capital	80,000				_											80,000	23,000	33,000	23,000	80,0
2017 16-605	Additional Brine Tank @ WTP	New Capital	90,000															45,000	45,000			90,0
2017 17-600	Entry Buildings @ Filter and GAC Pipe Gallery Entrance	Safety	28,500				_											43,000	43,000			50,0
2018 12-611	Avenue P-8 Water Main Replacement	Replacement Cap.	145,000				_															
2018 16-602	Avenue P and 25th Water Main Replacement (Spec 1601)	Replacement Cap.	48,000				_															
2018 17-602	13th Street East and Avenue R Water Main Replacement (Spec 1703)	Replacement Cap.	48,000	***************************************			_	-	***************************************										***************************************			
2018	Ave. P-12, Division, 2nd, 3rd, Stanridge Water Main Repl.	Replacement Cap.	750,000				_															
2018	Sierra Hwy. Tie-In and Abandonment	Replacement Cap.	15,000					_			į į											
2018	Ave. Q-14 and 17th Street East Water Main Replacement	Replacement Cap.	45,000																			
2018	Ave. Q-10 and 12th Street East Water Main Replacement	Replacement Cap.	15,000	***************************************			-												***************************************			
2018	Protective Coatings on WTP Structures	Replacement Cap.	100,000																			
2018	WTP Infrastructure and Process/Equipment Repairs	Replacement Cap.	75,000				-															
2018	Electric Car Charging Station	New Capital	7,000																			
018-2020	Replacement of Structural Support Beams - WTP Sed. Basins	Replacement Cap.	300,000	***************************************			-												***************************************			
310-2020	neprocement of Structural Support Deams - WTF Seu. Dasiiis	періасепіені сар.	300,000					-														
							-	-														
							-	-														
							-	-														
2017	Ancillary costs related to all project over and above the main contractor			Various Vendors			-	-		7,119	1 225	6 645	5,702	6 602	9,994	2,738						40,1
2017	Antoniary costs related to all project over and above the main contractor	Sub-Totals:	\$ 3,041,500		\$ 3,055,041		\$ 1,327,465	A 4	24 : 22 :											575,000		

<u>Palmdale Water District</u> <u>2017 Capital Projects - Contractual Commitments and Needs</u>

Consulting and Engineering Support

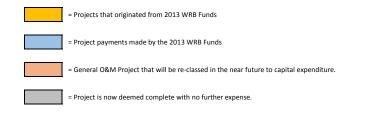
		generally and any						Payments														
Budget	Work					Approved	Board / Manager	Approved to		Through												
Year	Order	Project Title	Project Type	Estimated Expense	Consultant	Contract Amount	Approval	Date (Contract Balance	Dec. 2016	Jan Fe	b Ma	r Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2017 Total
2017	12-400	PRGRRP - CEQA, Permitting, Pre-Design, and Pilot	Water Supply		Kennedy/Jenks	\$ 1,627,000	05/12/2016	\$ 1,450,379	\$ 176,621	1,293,991	39	,889	19,54	6 70,147	26,806			50,000	50,000	76,621	and the same of th	333,009
2017	16-412	Well CT Study	Regulatory		Carollo	9,700	09/14/2016	8,245	1,455	8,245							1,455					1,455
2017	14-603	Upper Amargosa Recharge Project	Water Supply		City of Palmdale	\$ 1,250,000	12/04/2013	\$ 129,215	\$ 1,120,785	129,215						7,346						7,346
2017	04-501	Littlerock Sediment Removal Project (EIR/EIS/Permitting)	Water Supply		Aspen	869,023	09/14/2016	782,736	86,287	671,136	10	,988 39	137 41,33	7	20,137	15,089	50,000	36,287				212,976
		Paid by General Fund			Aspen			1							12,192			100,000				112,192
2017	04-501	Littlerock Sediment Removal (Cost Recovery Agreement)	Permitting		Forest Service	100,000	04/26/2017	-	100,000													-
2017	15-403	Water Mangement Information System Database	Record Management		DCSE	12,060	10/26/2016	12,060	-				12,06	0			25,000	25,000	25,000	41,069		128,129
2017	14-404	Water System Master Plan - CEQA	Facilities Planning		ESA	174,715	11/09/2016	67,627	107,088		2	,230 4	323	10,571	50,504		25,000	10,000	7,500			110,127
2017	17-405	WTP Process Evaluation (As-Needed)	Regulatory		Carollo	35,000	01/11/2017	17,500	17,500					17,500				75,000	75,000	75,000	6,750	249,250
2017	04-501	Littlerock Sediment Removal Project - Design Grade Control Structure	Water Supply	\$ 350,000		-		-	-									10,000	10,000	15,000	15,000	50,000
2017		Sanitary Survey Update	Regulatory	50,000		-		-	-													-
2018		System Valuation Study	Financial Planning	30,000		-		-	-													-
2018		Electrical Engineering (As-Needed)	Facilities Design	10,000		-		- [-													-
2018		Energy Storage - Feasibility and Pilot Study	Savings/Efficiency	50,000		-		-	-													-
	-		Sub-Totals:	\$ 490,000		\$ 4,077,498		\$ 2,467,762	\$ 1,609,736	2,102,587	- 53	,107 43	460 72,94	3 98,218	109,638	22,435	101,455	306,287	167,500	207,690	21,750	1,204,484

New and Replacement Equipment

Year	Order	Project Title	Project Type	Estimated Expense	Vendor/Supplier	Contract Amount	Approval	Approved to (Contract Balance	Dec. 2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2017 Total
2017	16-413	CIS Software Replacement (Holman Capital Financed)	Replacement Equip.		TruePoint	\$ 475,000	09/14/2016	\$ 366,100	\$ 108,900	50,000	78,284	48,593	42,405	39,858	44,220	94,177	18,563	77,462					443,563
2017	17-402	Security Improvements @ WTP (Holman Capital Financed) Spec. No. 1702	Safety		Siemens	225,674	02/08/2017	200,308	25,366					75,801		68,457	56,050	31,416					231,724
2017	N/A	Increased Data Storage to Support CMS and Growth (Holman Capital Financed)	New Equipment			98,000	01/26/2017	-	98,000													98,000	98,000
2017	N/A	IVR (Holman Capital Financed)	Replacement Equip.		PALITTO	16,000	01/26/2017	7,797	8,203			7,797						8,203					16,000
2017	N/A	Payment Kiosk for Customer Care Lobby (Holman Capital Financed)	Replacement Equip.		ADCOMP	21,000	01/26/2017	20,425	575			20,425											20,425
2017	N/A	LIMS - Laboratory Information Management System (Holman Capital Financed)	Replacement Equip.		Promium	40,600	02/08/2017	20,425	20,175					11,406	9,775		9,775	5,865					36,821
2018		Water Meter Calibration Bench	New Equipment	\$ 10,000		-		-	-														-
2017		Power Broom Attachment	New Equipment	9,000		-		-	-														-
2018		Online Forms	New Equipment	25,000		-		-	-														-
2018		Customer Texting / Mass Communication - Everbridge	New Equipment	30,000		-		-	-														-
2018		Conference Bridge - Shoretel	New Equipment	25,000		-		-	-														-
2018		Data Center UPS - Whole Room UPS	New Equipment	25,000		-		-	-														-
			Sub-Totals:	\$ 124,000		\$ 876,274		\$ 615,056	\$ 261,218	50,000	78,284	76,815	42,405	127,066	53,995	162,634	84,388	122,946	-	-	-	98,000	846,533

Water Quality Fee Funded Projects

Year	Order	Project Title	Project Type	Estimated Expense	Vendor/Supplier	Contract Amount	Approval	Approved to Cont	ract Balance Dec. 2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov Dec	2017 Total
2017	17-401	GAC Replacements @ WTP	Water Quality	\$ 570,000	Calgon Carbon	\$ 549,477	07/09/2014	\$ 169,477 \$	380,000		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	169,477				169,477			169,477		508,431
2017	17-402	GAC Replacement @ Underground Booster Station	Water Quality	65,000	Evoqua	250,000	03/10/2017	182,872	67,128					91,409	91,462		63,036				245,907
2017	17-403	Filter Media Testing/Inspection	Water Quality	30,000	ERS	18,348	02/10/2017	18,348	-				18,348						1		18,348
2017	17-404	Replacement Lab Equipment - GCMS/Autosampler	Regulatory		Agilent	125,042	01/11/2017	125,042	-		121,780		3,262								125,042
			Sub-Totals:	\$ 665,000		\$ 942,867		\$ 495,739 \$	447,128		121,780	169,477	21,610	91,409	91,462	169,477	63,036	- :	169,477	-	- 897,728



Summary (W/O GAC)	Totals	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2017 Total
Total Approved Contracts to Date	\$ 8,008,813													
Total Payments on Approved Contracts to Date	4,410,283													
Total Contract Balance to Date	3,595,798													
Non-Operating Capital Expenditures (Committed)	3,576,306	253,390	529,321	254,941	288,147	149,368	328,617	93,767	155,294	574,196	632,500	367,690	509,240	3,576,306
Non-Operating Capital Expenditures (Paid)		175,106	452,506	212,536	161,081	95,373	165,982							
Non-Operating Capital Expenditures (Projected)	1,440,000	-	-	-	-	-	-	-	-	350,000	385,000	415,000	65,000	1,440,000
Funding Through Series 2013A WRB (Remaining)	250,000	-	(50,877)	(39,137)	(60,883)	(70,147)	(46,943)	(15,089)	(50,000)	(27,500)				1,215,000
Funding Through Holman Capital (Remaining)	261,218	(78,284)	(76,815)	(42,405)	(127,066)	(53,995)	(162,634)	(84,388)	(122,946)					(360,577)
Funding Available Through Water Supply Fees	629,380	-	(133,286)	-	(178,810)	(24,683)	-	(277,954)	(192,074)					(748,533)

Water Revenue Bond - Series 2013A Updated: September 19, 2017

Project	Work Order	Description	Allocated Based on Bond		Contractual Commitment		Payout to Date		Grant Funds/Operating Budget		Uncommitted Bond \$	
Spec. 1204	603-12	Ave. Q - Q-3, Division and Sumac	\$	725,000	\$	765,085	\$	765,085	\$		\$	(40,085)
Spec. 1201	606-11	20th, Puerta, Sweetbriar, and 22nd St. E.	\$	1,450,000	\$	1,487,261	\$	1,487,261	\$	-	\$	(37,261)
Spec. 1205	605-12	Frontier, 31st St. E., etc. between Ave. Q and Q-4	\$	1,200,000	\$	1,291,539	\$	1,291,539			\$	(91,539)
Spec. 1207	607-12	10th St. E. between Ave. P and Palmdale Blvd.	\$	1,400,000	\$	1,327,806	\$	1,327,806	\$		\$	72,194
LRDSR	501-04	Littlerock Sediment Removal (EIR/EIS/Permits)	\$	975,000	\$	869,023	\$	805,365	\$	-	\$	105,977
LCGRRP	400-12	Littlerock Recharge and Recovery (Feasibility)	\$	1,500,000	\$	769,891	\$	769,891	\$		\$	730,109
UAR	TBD	Upper Amargosa Recharge (Project Capacity)	\$	1,250,000	\$	1,250,000	\$	136,561	\$	1,153,589	\$	
Spec. 0905	601-09	15th St. E. between Ave. P and Ave. Q (Material)	\$	-	\$	362,984	\$	362,984	\$		\$	(362,984)
PRGRRP	400-12	Palmdale Regional Recharge and Recovery (Permits)	\$	-	\$	1,530,000	\$	1,506,855			\$	(1,530,000)
Totals:			\$	8,500,000	\$	9,653,589	\$	8,453,349	\$	1,153,589	\$	(1,153,589)

Requisition No.	Payee	Date Approved	Invoice No.	Project	Pay	ment Amount
2	Issuance Costs	Jul 8, 2013	N/A	WRB	\$	24,815.84
3	BV Construction - Progress Payment #1	Jul 9, 2013	1	Spec. 1204	\$	98,552.53
4	JT Eng Design Progress Payment	Jul 17, 2013	5187	Spec. 1207	\$	9,108.00
5	BV Construction - Progress Payment #2	Aug 5, 2013	2	Spec. 1204	\$	145,175.44
6	BV Construction - Progress Payment #3-4	Sep 4, 2013	3 and 4	Spec. 1204	\$	167,790.43
7	Aspen - EIR/EIS Progress Payment	Sep 30, 2013	1116.002-01	LRDSR	\$	18,499.60
8	BV Construction - Progress Payment #5	Sep 30, 2013	5	Spec. 1204	\$	46,862.08
9	BV Construction - Progress Payment #6	Oct 24, 2013	6	Spec. 1204	\$	51,052.05
10	Aspen - EIR/EIS Progress Payment	Oct 24, 2013	1116.002-02	LRDSR	\$	8,410.32
11	BV Construction - Progress Payment #7	Nov 7, 2013	7	Spec. 1204	\$	87,960.50
12	BV Construction - Progress Payment #8	Dec 4, 2013	8	Spec. 1204	\$	70,650.08
13	Aspen - EIR/EIS Progress Payment	Dec 4, 2013	1116.002-03	LRDSR	\$	11,054.97
14	Kennedy/Jenks - Progress Payment	Jan 2, 2014	78236	LCGRRP	\$	24,066.25
14	BV Construction - Progress Payment #1	Jan 2, 2014	1	Spec. 1201	\$	29,925.00
14	BV Construction - Progress Payment #9	Jan 2, 2014	9	Spec. 1204	\$	58,787.84
14	Aspen - EIR/EIS Progress Payment	Jan 2, 2014	1116.002-04	LRDSR	\$	36,178.95
14	JT Eng Design Progress Payment	Jan 2, 2014	5200	Spec. 1207	\$	9,518.00
15	BV Construction - Progress Payment #2 & #3	Jan 21, 2014	2 & 3	Spec. 1201	\$	114,095.00
16	Aspen - EIR/EIS Progress Payment	Feb 24, 2014	1116.002-05	LRDSR	\$	4,917.47
16	BV Construction - Progress Payment #4 & #5	Feb 24, 2014	4 & 5	Spec. 1201	\$	131,743.15
17	BV Construction - Retention Payment	Mar 3, 2014	10	Spec. 1204	\$	38,254.26
17	Kennedy/Jenks - Progress Payment	Mar 3, 2014	79010 & 80391	LCGRRP	\$	113,652.66
18	BV Construction - Progress Payment #6	Mar 31, 2014	6	Spec. 1201	\$	126,834.50
18	Aspen - EIR/EIS Progress Payment	Mar 31, 2014	1116.002-06 and 07	LRDSR	\$	17,080.04
19	Kennedy/Jenks - Progress Payment	Apr 16, 2014	78236	LCGRRP	\$	28,228.60
19	BV Construction - Progress Payment #7	Apr 16, 2014	7	Spec. 1201	\$	252,741.80
20	BV Construction - Progress Payment #8	May 15, 2014	8	Spec. 1201	\$	69,825.00
20	Aspen - EIR/EIS Progress Payment	May 15, 2014	1116.002-08	LRDSR	\$	33,388.96
20	Kennedy/Jenks - Progress Payment	May 15, 2014	82422 & 80900	LCGRRP	\$	135,858.74
21	BV Construction - Progress Payment #9	Jun 4, 2014	9	Spec. 1201	\$	67,260.00
21	Aspen - EIR/EIS Progress Payment	Jun 4, 2014	1116.002-09	LRDSR	\$	31,845.93
22	BV Construction - Progress Payment #10	Jun 30, 2014	10	Spec. 1201	\$	139,498.00
23	Kennedy/Jenks - Progress Payment	Jun 30, 2014	83735	LCGRRP	\$	30,172.21
23	Aspen - EIR/EIS Progress Payment	Jun 30, 2014	1116.002-10	LRDSR	\$	10,672.32
24	BV Construction - Progress Payment #11	Jul 21, 2014	11	Spec. 1201	\$	141,217.50
24	Kennedy/Jenks - Progress Payment	Jul 21, 2014	84147	LCGRRP	\$	26,431.83
24	Aspen - EIR/EIS Progress Payment	Jul 21, 2014	1116.002-11	LRDSR	\$	6,274.20
25	BV Construction - Progress Payment #12	Aug 19, 2014	12	Spec. 1201	\$	84,386.60
25	Aspen - EIR/EIS Progress Payment	Aug 19, 2014	1116.002-12	LRDSR	\$	11,115.51
26	BV Construction - Progress Payment #13	Sept 10, 2014	13	Spec. 1201	\$	47,654.85
26	Aspen - EIR/EIS Progress Payment	Sept 10, 2014	1116.002-13	LRDSR	\$	37,715.30
27	BV Construction - Progress Payment #14	Sept 29, 2014	14	Spec. 1201	\$	122,741.90
27	PWD - Reimbursement	Sept 29, 2014	N/A	Spec. 0905	\$	260,611.31
28	Cedro Construction - Progress Payment #1	Oct 14, 2014	1	Spec. 1207	\$	310,752.41
28	City of Palmdale - Recharge Project	Oct 14, 2014	PWD-2014	UAR	\$	38,402.47
29	Aspen - EIR/EIS Progress Payment	Oct 23, 2014	1116.002-14	LRDSR	\$	56,223.72
29	Kennedy/Jenks - Progress Payment	Oct 23, 2014	87036	LCGRRP	\$	80,732.32
30	BV Construction - Progress Payment #15	Nov 12, 2014	15	Spec. 1201	\$	84,974.65
30	Aspen - Bio and Cultural Report	Nov 12, 2014	3277.001-01	Spec. 1205	\$	10,608.08
30	Cedro Construction - Progress Payment #2	Nov 12, 2014	2	Spec. 1207	\$	195,802.84
31	ANM Construction - Paving	Nov 17, 2014	011115-1	Spec. 0905	\$	102,373.00

Requisition No.	Payee	Date Approved	Invoice No.	Project	Pav	ment Amount
32	Aspen - Bio and Cultural Report	Nov 26, 2014	3277.001-02	Spec. 1205	\$	1,147.81
32	Aspen - EIR/EIS Progress Payment	Nov 26, 2014	1116.002-15	LRDSR	\$	76,161.79
33	Kennedy/Jenks - Progress Payment	Dec 29, 2014	88741	LCGRRP	\$	71,831.14
33	BV Construction - Progress Payment #16 (Retention)	Dec 29, 2014	16 - Retention	Spec. 1201	\$	74,363.05
33	Aspen - EIR/EIS Progress Payment	Dec 29, 2014	1116.002-16	LRDSR	\$	6,136.99
34	Cedro Construction - Progress Payment #3	Jan 7, 2015	3	Spec. 1207	\$	294,189.21
35	BV Construction - Progress Payment #1	Jan 26, 2015	1	Spec. 1205	\$	152,445.08
35	Aspen - EIR/EIS Progress Payment	Jan 26, 2015	1116.002-17	LRDSR	\$	13,105.63
36	Kennedy/Jenks - Progress Payment	Feb 2, 2015	89538	LCGRRP	\$	78,066.17
37	BV Construction - Progress Payments #2 and #3	Feb 19, 2015	2 and 3	Spec. 1205	\$	195,962.20
37	Aspen - EIR/EIS Progress Payment	Feb 19, 2015	1116.002-18	LRDSR	\$	8,814.60
38	BV Construction - Progress Payment #4	Mar 9, 2015	4	Spec. 1205	\$	123,500.00
38	Cedro Construction - Progress Payment #4	Mar 9, 2015	4	Spec. 1207	\$	70,371.25
39	BV Construction - Progress Payment #5	Mar 31, 2015	5	Spec. 1205	\$	144,210.00
39	Aspen - EIR/EIS Progress Payment	Mar 31, 2015	1116.002-19	LRDSR	\$	12,057.52
39	Kennedy/Jenks - Progress Payment	Mar 31, 2015	90983	LCGRRP	\$	134,407.47
40	Cedro Construction - Progress Payment #5	Apr 13, 2015	5	Spec. 1207	\$	116,680.99
41	BV Construction - Progress Payment #6	Apr 27, 2015	6	Spec. 1205	\$	125,003.43
41	Aspen - EIR/EIS Progress Payment	Apr 27, 2015	1116.002-20	LRDSR	\$	7,540.62
42	Cedro Construction - Progress Payment #6	May 19, 2015	6	Spec. 1207	\$	103,592.13
43	BV Construction - Progress Payment #7	Jun 8, 2015	7	Spec. 1205	\$	72,296.90
43	Aspen - Native American Monitoring	Jun 8, 2015	3277.001-03	Spec. 1205	\$	7,702.52
43	Aspen - EIR/EIS Progress Payment	Jun 8, 2015	1116.002-21	LRDSR	\$	44,109.14
44	Aspen - EIR/EIS Progress Payment	Jun 23, 2015	1116.002-22	LRDSR	\$	34,285.59
44	Cedro Construction - Progress Payment #7	Jun 23, 2015	7	Spec. 1207	\$	60,299.73
45	BV Construction - Progress Payment #8	Jul 15, 2015	8	Spec. 1205	\$	111,492.00
45	Kennedy/Jenks - Progress Payment	Jul 15, 2015	93555	LCGRRP	\$	46,443.99
45	Kennedy/Jenks - Progress Payment	Jul 15, 2015	93556	PRGRRP	\$	251,714.21
46	Aspen - EIR/EIS Progress Payment	Jul 21, 2015	1116.002-23	LRDSR	\$	16,484.80
46	Aspen - Native American Monitoring	Jul 21, 2015	3277.001-04	Spec. 1205	\$	4,152.75
46	City of Palmdale - Recharge Project	Jul 21, 2015	PWD-2015	UAR	\$	54,977.18
47	BV Construction - Progress Payment #9	Aug 11, 2015	9	Spec. 1205	\$	107,542.76
47	Kennedy/Jenks - Progress Payment	Aug 11, 2015	94435	PRGRRP	\$	238,422.35
48	Aspen - EIR/EIS Progress Payment	Sept 14, 2015	1116.002-24	LRDSR	\$	9,024.21
48	Cedro Construction - Final Payment/Retention	Sept 14, 2015	Final Retention	Spec. 1207	\$	157,491.76
49	Aspen - EIR/EIS Progress Payment	Sept 28, 2015	1116.002-25	LRDSR	\$	1,034.50
49	Kennedy/Jenks - Progress Payment	Sept 28, 2015	95632	PRGRRP	\$	190,705.91
50	Aspen - Native American Monitoring	Oct. 12, 2015	3277.001-05	Spec. 1205	\$	5,581.50
50	BV Construction - Progress Payment #10	Oct. 12, 2015	10	Spec. 1205	\$	92,241.20
51	Aspen - Native American Monitoring	Nov. 4, 2015	3277.001-06	Spec. 1205 PRGRRP	\$	4,707.50 129,704.49
51	Kennedy/Jenks - Progress Payment	Nov. 4, 2015	96460			
52	Aspen - Native American Monitoring	Dec. 28, 2015	96461	Spec. 1205 PRGRRP	\$	3,013.50
52 53	Kennedy/Jenks - Progress Payment Kennedy/Jenks - Progress Payment	Dec. 28, 2015 Jan. 21, 2016	97775 98545	PRGRRP	\$	159,241.36
	, , ,				+	•
53 54	Aspen - EIR/EIS Progress Payment BV Construction - Progress Payment #11	Jan. 21, 2016 Feb. 3, 2016	1116.002-25 & 27 11	LRDSR Spec. 1205	\$	3,751.40 67,200.17
55	BV Construction - Progress Payment #11 BV Construction - Retention Payment	Feb. 23, 2016	Retention	Spec. 1205	\$	62,731.78
55	Kennedy/Jenks - Progress Payment	Feb. 23, 2016 Feb. 23, 2016	99318	PRGRRP	\$	58,537.45
56	Aspen - EIR/EIS Progress Payment	Mar. 28, 2016	1116.003-01	LRDSR	\$	33,898.64
56	Kennedy/Jenks - Progress Payment	Mar. 28, 2016	99918	PRGRRP	\$	57,193.72
57	Kennedy/Jenks - Progress Payment	Apr. 19, 2016	100572	PRGRRP	\$	7,364.72
58	Aspen - EIR/EIS Progress Payment	May 23, 2016	1116.003-02	LRDSR	\$	5,535.88
58	Kennedy/Jenks - Progress Payment	May 23, 2016	101354	PRGRRP	\$	26,258.21
59	Aspen - EIR/EIS Progress Payment	Jun 20, 2016	1116.003-03	LRDSR	\$	37,001.22
59	Kennedy/Jenks - Progress Payment	Jun 20, 2016	102083	PRGRRP	\$	5,389.60
60	Aspen - EIR/EIS Progress Payment	Jul 21, 2016	1116.003-05 & 05	LRDSR	\$	43,122.23
60	Kennedy/Jenks - Progress Payment	Jul 21, 2016	103204	PRGRRP	\$	21,078.38
61	City of Palmdale - Recharge Project	Jul 27, 2016	PWD-2016	UAR	\$	35,834.85
	Aspen - EIR/EIS Progress Payment	Sept 6, 2016	1116.003-06	LRDSR	\$	3,097.87
62		Sept 6, 2016	104354	PRGRRP	\$	32,202.76
62 62	Kennedy/Jenks - Progress Payment		1	222222	1.	25,142.44
	Kennedy/Jenks - Progress Payment Kennedy/Jenks - Progress Payment	Sept 19, 2016	104792	PRGRRP	\$	
62	, , ,	Sept 19, 2016 Oct. 31, 2016	104792 1116.003-07	LRDSR	\$	4,298.50
62 63	Kennedy/Jenks - Progress Payment		•		_	
62 63 64	Kennedy/Jenks - Progress Payment Aspen - EIR/EIS Progress Payment	Oct. 31, 2016	1116.003-07 105451 1116.003-08	LRDSR	\$	4,298.50
62 63 64 64	Kennedy/Jenks - Progress Payment Aspen - EIR/EIS Progress Payment Kennedy/Jenks - Progress Payment	Oct. 31, 2016 Oct. 31, 2016	1116.003-07 105451	LRDSR PRGRRP	\$	4,298.50 6,899.35
62 63 64 64 65	Kennedy/Jenks - Progress Payment Aspen - EIR/EIS Progress Payment Kennedy/Jenks - Progress Payment Aspen - EIR/EIS Progress Payment	Oct. 31, 2016 Oct. 31, 2016 Nov. 15, 2016	1116.003-07 105451 1116.003-08 1110.004-01	LRDSR PRGRRP LRDSR	\$ \$ \$	4,298.50 6,899.35 8,375.36
62 63 64 64 65 65	Kennedy/Jenks - Progress Payment Aspen - EIR/EIS Progress Payment Kennedy/Jenks - Progress Payment Aspen - EIR/EIS Progress Payment Kennedy/Jenks - Progress Payment	Oct. 31, 2016 Oct. 31, 2016 Nov. 15, 2016 Nov. 15, 2016	1116.003-07 105451 1116.003-08 1110.004-01 106216	LRDSR PRGRRP LRDSR PRGRRP	\$ \$ \$	4,298.50 6,899.35 8,375.36 13,942.29

Requisition No.	Payee	Date Approved	Invoice No.	Project	Pay	ment Amount
68	Kennedy/Jenks - Progress Payment	Feb. 14, 2017	109065	PRGRRP	\$	39,889.11
69	Aspen - EIR/EIS Progress Payment	Mar. 2, 2017	1116.004-05	LRDSR	\$	39,137.36
70	Aspen - EIR/EIS Progress Payment	Apr. 5, 2017	1116.004-06	LRDSR	\$	20,798.62
70	Kennedy/Jenks - Progress Payment	Apr. 5, 2017	110286	PRGRRP	\$	19,546.10
71	Aspen - EIR/EIS Progress Payment	Apr. 24, 2017	1116.004-07	LRDSR	\$	20,538.81
72	Kennedy/Jenks - Progress Payment	May 25, 2017	111972	PRGRRP	\$	70,146.59
73	Kennedy/Jenks - Progress Payment	June 12, 2017	112500	PRGRRP	\$	12,790.00
74	Aspen EIR/EIS - Progress Payment	June 21, 2017	1116.004-09	LRDSR	\$	20,137.00
74	Kennedy/Jenks - Progress Payment	June 21, 2017	110996	PRGRRP	\$	14,016.00
75	Aspen EIR/EIS - Progress Payment	July 25, 2017	1116.004-10	LRDSR	\$	15,088.81
75	City of Palmdale - Recharge Project	July 25, 2017	PWD-1663	UAR	\$	7,346.24
76	Kennedy/Jenks - Progress Payment	August 29, 2017	114884	PRGRRP	\$	46,386.56
76	Aspen EIR/EIS - Progress Payment	August 29, 2017	1116.004-11	LRDSR	\$	7,589.57
77	Kennedy/Jenks - Progress Payment	September 18, 2017	115312	PRGRRP	\$	10,090.00

PALMDALE WATER DISTRICT BOARD MEMORANDUM

DATE: September 20, 2017 **September 27, 2017**

TO: BOARD OF DIRECTORS Regular Board Meeting

FROM: Jim Stanton, Information Technology Manager
VIA: Mr. Dennis D. LaMoreaux, General Manager

RE: AGENDA ITEM NO. 7.4- DISCUSSION AND POSSIBLE ACTION ON

POLICY FOR USE OF THE PALMDALE WATER DISTRICT'S DRONE. (PRESIDENT ALVARADO/INFORMATION TECHNOLOGY MANAGER

STANTON/GENERAL COUNSEL DUNN)

Recommendation:

Staff recommends discussion of the proposed PWD drone operation policy.

Background:

Palmdale Water District proposes using a commercial drone, or Unmanned Arial System (UAS) to enhance the District's ability to conduct Graphical Information System (GIS) mapping of District facilities, aerial inspections of District facilities, aerial videography and photography of District events and projects.

The proposed draft policy outlines the responsibilities of all individuals involved in PWD drone operations.

Safety is paramount to any District drone operation. The UAS shall not be operated in a manner that presents risk of injury to persons or property on the surface or in the air. UAS flights will be deployed only after a thorough risk assessment has been conducted.

Strategic Plan Initiative:

This work is part of the District Strategic Plan, Initiative 3 - System Efficiency.

Budget:

This item is funded in the 2017 budget.

Supporting Documents:

- Powerpoint presentation on drone
- Draft policy



Inspecting

• Tank inspections, Palmdale Ditch inspections, wind turbine inspections

Engineering

 Levels of water/sediment in the Reservoir and lake

Media Outreach Images and videos of the Littlerock Dam and Lake Palmdale to highlight the District and our water sources.

GIS Maping

 Integrate GIS into drone for mapping purposes. What will the drone be used for?









Drones operated must weigh less than 55 lbs.

Commercial UAS operation must take place within visual line of sight (VLOS) of the operator.

Operations must take place during daylight hours, or within the hours of civil twilight (immediately before sunrise and after sunset).

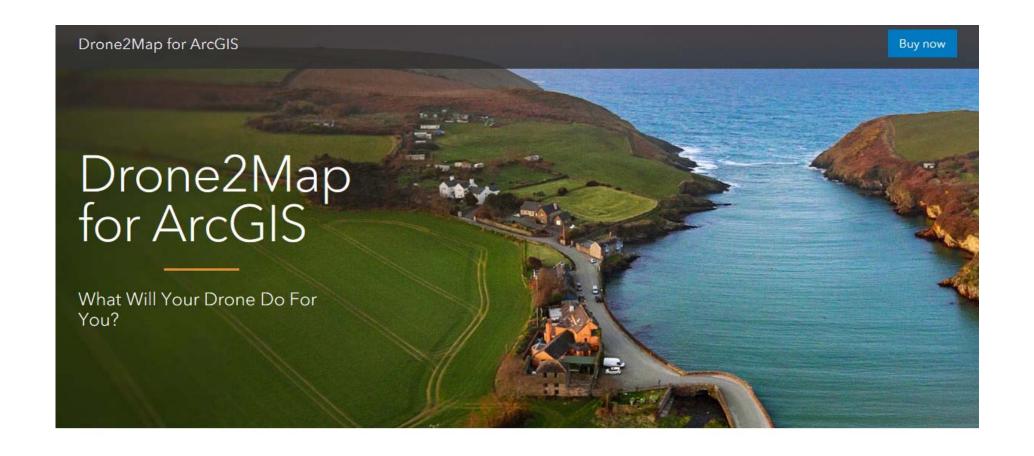
Flight is not permitted directly over non-participating people.

Drones weighing between 0.55 lbs. and 55 lbs. must be registered with the FAA.

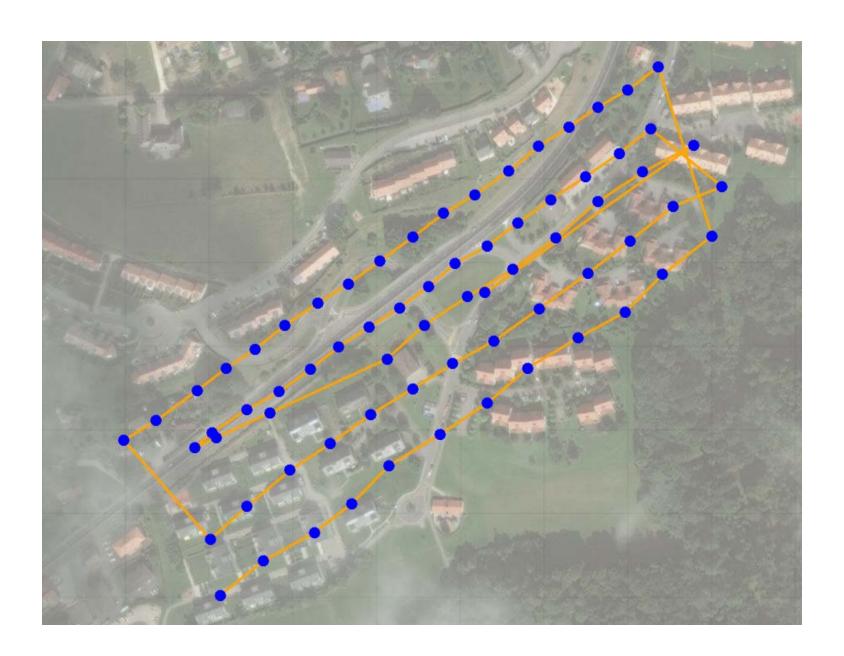
Drone operators must be certified under the new UAS Operator certification, akin to a driver's license written test.

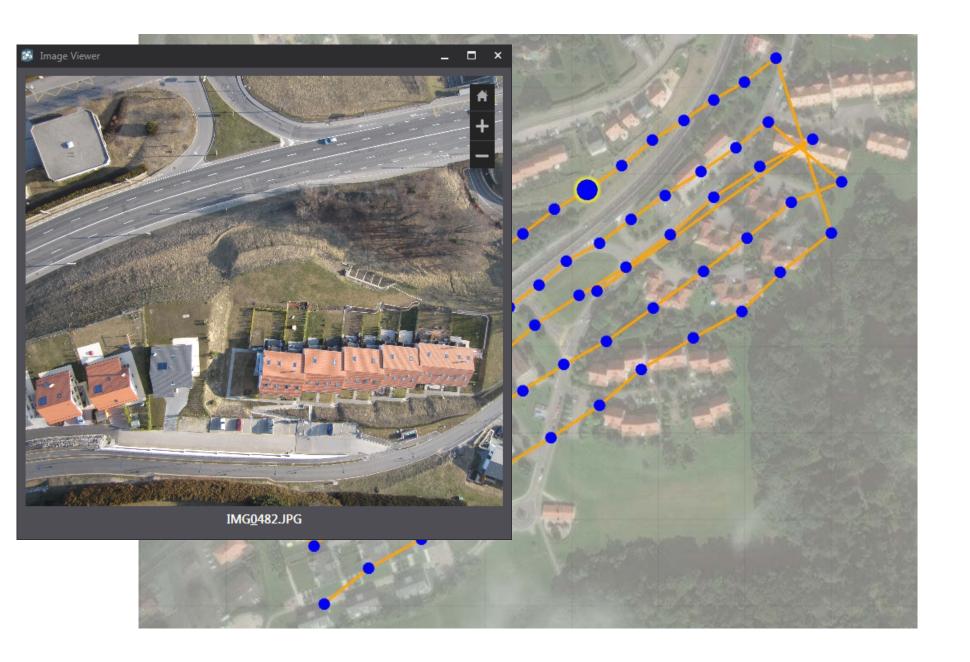
Drones have regulations

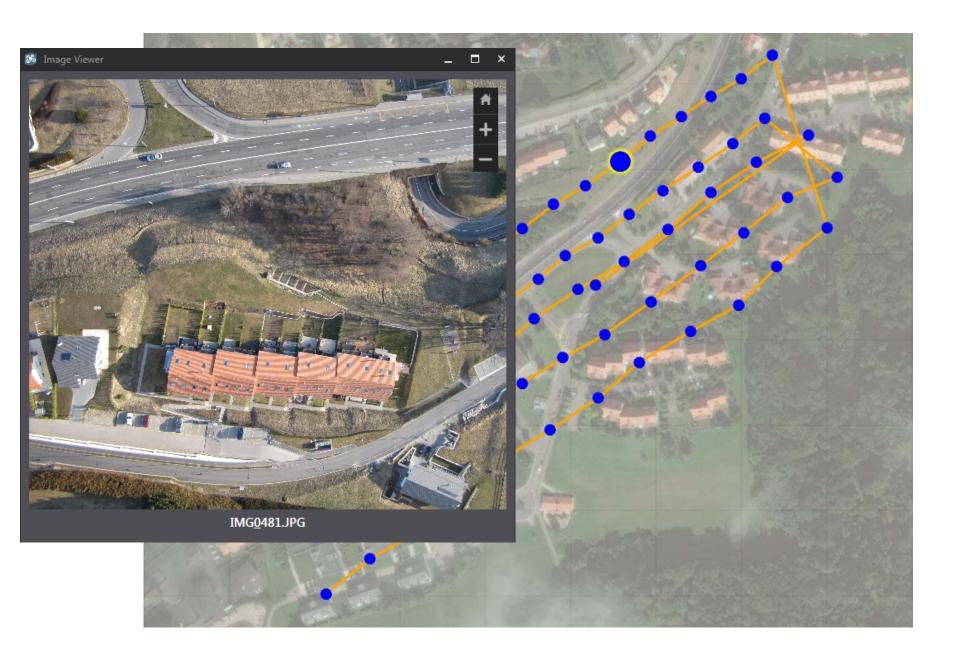
New Regulations (Part 107)



Turn Your Drone Into an Enterprise GIS Productivity Tool

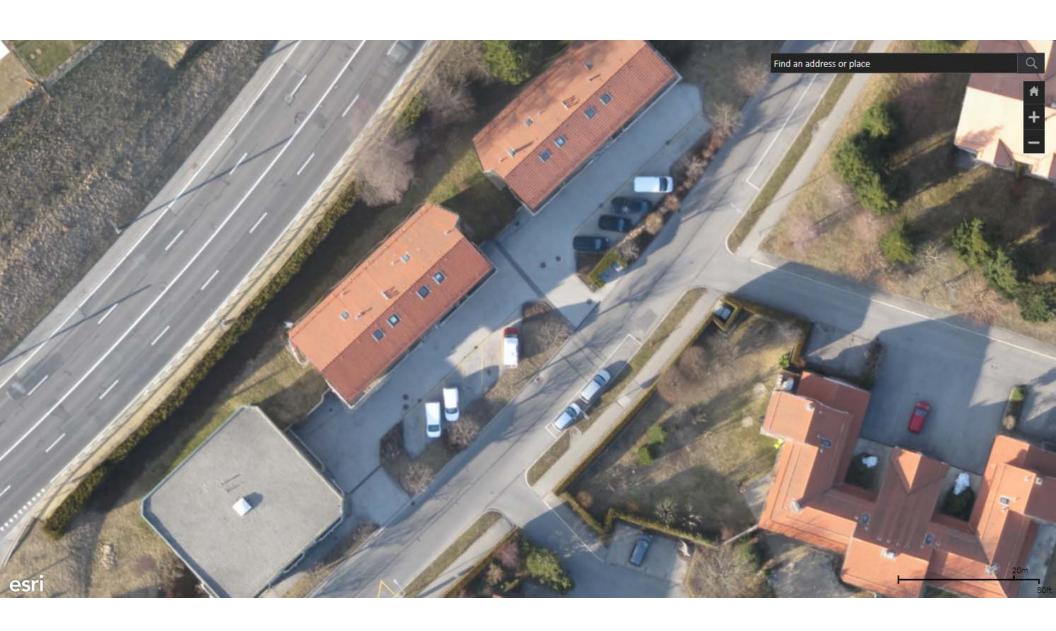




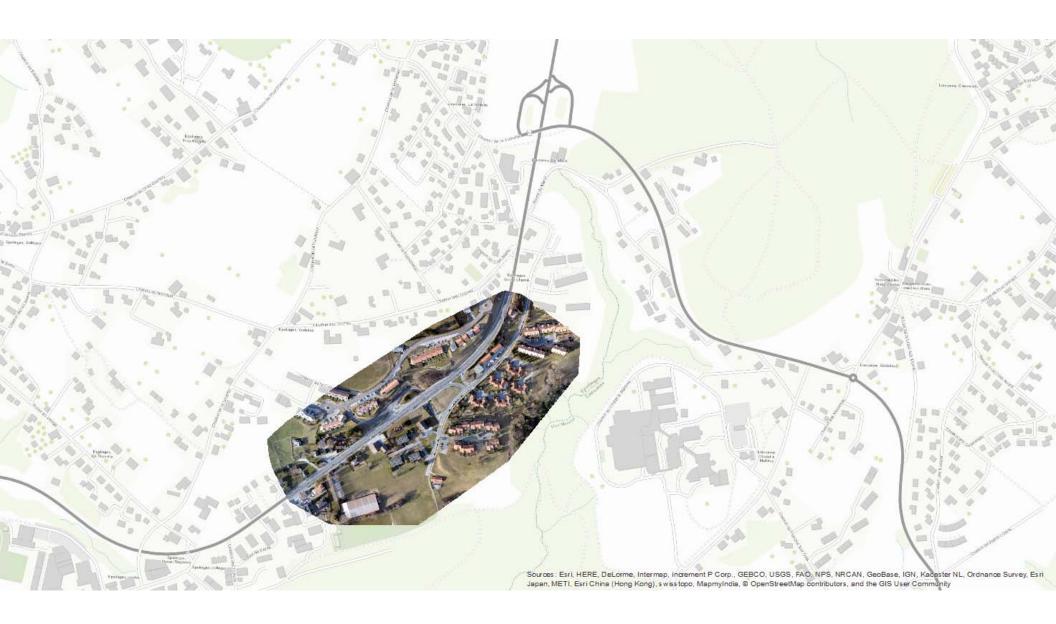




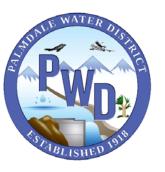












PWD Drone Team Members:



- Jim Stanton
- Bennett Yates
- Laura Gallegos
- Richard Heinonen
- Chris Vidal

PALMDALE WATER DISTRICT Unmanned Aerial System ("UAS" or "Drone") Operation Policy

I. <u>DEFINITIONS</u>

Definitions related to this policy include:

- A. **Certificate of Authorization ("COA").** A certificate given by the FAA granting permission to fly a UAS within specific boundaries and perimeters. Training flights cannot take place without a valid T&E (Training & Evaluation) COA and missions cannot take place without a valid emergency COA.
- B. **Federal Aviation Administration ("FAA").** The branch of the U.S. Department of Transportation responsible for regulation of access to the national navigable airspace.
- C. **Pilot-in-Command ("PIC").** The person responsible for operation and safety during a UAS flight.
- D. **Unmanned Aerial System ("UAS" or "Drone")**. An unmanned aircraft of any type that is capable of sustaining directed flight, whether preprogrammed or remotely controlled, and all of the supporting or attached systems designed for gathering information through imaging, recording or any other means.
- E. **Unmanned Aerial Vehicle Observer ("UAVO").** The person assigned to assist the PIC in the safe operation of the UAS.

II. PURPOSE AND SCOPE OF THIS POLICY

It is the policy of the Palmdale Water District ("District") to utilize UAS to enhance the District's ability to conduct GIS mapping of District facilities, aerial District facility inspections, aerial videography, and photography of District events and projects. Navigable airspace is within the exclusive regulatory jurisdiction of the FAA. The purpose of this policy is to establish guidelines and responsibilities associated with the deployment and use of UAS owned by the District and for the storage, retrieval and dissemination of images and data captured by the UAS. This policy applies to the use of UAS by District departments and District contractors. Only duly trained and authorized District personnel may deploy a District-owned UAS in the performance of their official duties.

Any images or other forms of data recorded by use of a UAS is subject to the California Public Records Act and any other applicable Federal, State, and local laws. Any use of a UAS shall be in accordance with FAA regulations, and other applicable federal, state and local laws.

III. GENERAL GUIDELINES RELATED TO USE OF UAS

Only authorized operators who have completed the required training shall be permitted to operate the UAS.

07777.0223/391419.2

Page **1** of **7**

Use of vision enhancement technology (e.g., thermal and other imaging equipment not generally available to the public) is permissible in viewing areas only where there is no protectable privacy interest or when in compliance with a search warrant or court order. In all other instances, legal counsel should be consulted.

UAS operations should be conducted during daylight hours. Nighttime operations will require an approved FAA waiver and a UAS should not be flown over populated areas without FAA prior approval or waiver.

IV. PROHIBITED USES OF A UAS

The UAS video surveillance equipment shall not be used to conduct any of the following activities:

- A. To harass, intimidate or discriminate against any individual or group.
- B. To conduct personal business of any type.
- C. For recreational use.
- D. To conduct random surveillance activities.
- E. To target a person based solely on individual characteristics, such as, without limitation, race, ethnicity, national origin, religion, disability, gender or sexual orientation.
- F. Unless a waiver has been obtained from the FAA, no UAS may be operated within five miles of an airport.

V. PRIVACY CONSIDERATIONS

Personnel operating UAS shall only collect information using UAS, or use UAS collected information, to the extent that such collection or use is consistent with and relevant to an authorized purpose. Under no circumstances may recordings from UAS be used for personal purposes. The District is prohibited from using the UAS data to collect information on individuals or private property, except for purposes as strictly defined above as a public safety or public interest purposes.

For all authorized UAS use, the District's Information Technology Department will retain all UAS collected data for a period not to exceed one year, as defined by 28 Code of Federal Regulation (CFR) Part 23. Exemptions to the data retention limit may be granted by the District General Manager in special circumstances.

District-sponsored special event attendees must be notified of the use of UAS devices to capture images at the event by posting written notice at the event, on any media used to advertise the event, or on the District's website

Page **2** of **7**

VI. <u>SAFETY CONSIDERATIONS</u>

The UAS shall not be operated in a manner that presents risk of injury to persons or property on the surface or in the air. UAS flights will be deployed only after a thorough risk assessment has been conducted. The risk assessment takes into account, but is not limited to, review of weather conditions vis-à-vis the performance capability of the UAS, the maintenance record of the UAS, and identification of generally anticipated failure modes (lost link, power plant failures, loss of control, etc.) and the consequences of such failure.

No UAS may be deployed or operated unless valid insurance against claims for injuries to persons or damages to property that may arise from or in connection with the operation of the UAS by District agents, representatives, employees or subcontractors.

VII. PROGRAM COORDINATOR APPOINTMENT AND RESPONSIBILITIES

The District General Manager shall appoint a Program Coordinator who will be responsible for the management of the UAS program as well as updating the District's webmaster with regards to placing specific information collected by the UAS on the District's website. Subject to the District General Manager's approval, the Program Coordinator responsibilities include:

- A. Maintain and update the FAA Certificate of Waiver and COA and ensure all COAs issued to District personnel are current.
- B. Make sure the District maintains proper insurance UAS coverage.
- C. Ensure all authorized operators and required observers have completed all required FAA and department-approved training in the operation, applicable laws, policies and procedures regarding use of the UAS.
- D. Ensure all authorized personnel complete additional training, as needed, at periodic intervals to ensure the continued effective use and operation, and proper calibration and performance of the equipment, and to incorporate changes, updates, or other revisions in policy and equipment.
- E. Develop a uniform protocol for submission and evaluation of requests to deploy a UAS, including urgent requests made during ongoing or emerging incidents. Deployment of a UAS shall require written authorization of the District General Manager or an authorized designee.
- F. Implement a system for public notification of UAS deployment.
- G. Develop an operational protocol governing the deployment and operation of a UAS including but not limited to, safety oversight, use of visual observers, establishment of lost link procedures and securing communication with air traffic control facilities.
- H. Develop a protocol for fully documenting all missions.
- I. Develop a UAS inspection, maintenance and record-keeping protocol to ensure continuing airworthiness of a UAS, up to and including its overhaul or life limits.
- J. Develop protocols to ensure that all data intended to be used as evidence is accessed, maintained, stored and retrieved in a manner that ensures its integrity as evidence, including strict adherence to chain of custody requirements. Electronic trails, including encryption, authenticity certificates and date and time stamping, shall be used as appropriate to preserve individual rights and to ensure the authenticity and maintenance of a secure evidentiary chain of custody.
- K. Develop protocols that ensure retention and purge periods are maintained in accordance with the District's record retention schedules.
- L. Facilitate law enforcement access to images and data captured by the UAS as needed.
- M. Recommend program enhancements, particularly regarding safety and information security.

- N. Ensure that established protocols are followed by monitoring and providing periodic reports on the program to the District General Manager.
- O. Oversee the procurement and maintenance of UAS equipment.
- P. Conduct audits of flight logs semiannually, or more frequently as needed.
- Q. Establish emergency reporting and response protocols.

VIII. PILOT-IN-COMMAND ("PIC") QUALIFICATIONS AND RESPONSIBILITIES

To be considered a PIC, applicants must be in good standing with the District and must meet all other requirements specified by the District General Manager. Pilots may be temporarily or permanently removed from flight status at any time and for any reason, upon written notification approved and executed by the District General Manager.

In order to fly a mission (other than flights required for initial training or currency) pilots must have completed three (3) currency events within the previous 90 days. Currency events must include landings, takeoff and simulator flights.

A PIC's primary duty is the safe and effective operation of the District's UAS in accordance with the manufacturer's approved flight manual, FAA regulations and certificate of authorization conditions, and District Policies and Procedures, and must remain knowledgeable of same. Only one PIC may be deployed at any given time.

The PIC may refuse any flight request based on current meteorological conditions, physiological conditions, or any other reason that the PIC believes will impact the safety of the flight. Should the PIC refuse a flight for any reason, they shall inform the requesting manager or supervisor, or higher authority, as soon as possible of such refusal and the reason for the refusal.

While UAS is in flight, the PIC is authorized and responsible for making all decisions regarding use of the UAS including, but not limited to, direction of flight, duration of flight time, capabilities of the aircraft, maximum load allowance, use of affixed certified equipment, allowance or advisability of affixing additional equipment, the determination of allowance of personal or agency equipment, and configurations. The PIC is responsible for the safety of the aircraft, personnel, and equipment during the flight operations. Exercising responsibility for the safe conduct of all flights, includes without limitation:

- A. Flight planning and preparation, including preflight inspections of aircraft and equipment.
- B. Weather briefing.
- C. Flight operations, including course, air speed, altitude, and duration.
- D. Landing zone selection.
- E. Go / No-go and landing judgments with regard to weather minimums, terrain, air traffic, or other criteria.
- F. Timely reporting of new or previously unknown hazards to safe flight.
- G. Post-flight inspection in accordance with manufacturers' recommendations, to include assuring batteries are recharged in order to ensure the aircraft is ready for the next mission. Any discrepancies shall be promptly reported to the Program Coordinator. The UAS will be removed from service until defects are remediated.
- H. Making appropriate entries in the aircraft logbooks.

IX. OBSERVER OR UAVO QUALIFICATIONS AND RESPONSIBILITIES

To be considered as a UAVO, applicants must be in good standing with the District and must meet all other requirements specified by the General Manager. Observers do not have to meet the requirements of Pilots but must have a basic understanding of UAS operations and of pertinent District Policies and Procedures. The UAVO may be temporarily or permanently removed from flight status at any time and for any reason, upon written notification approved and executed by the District General Manager.

A UAVO's primary duty is to assist the PIC in the safe and effective operation of the District's UAS during flight missions by providing the PIC with information necessary for the PIC to operated the UAS safely and to keep the PIC advised of any changes in flight conditions. The UAVO may not operate the UAS unless specifically trained and authorized to do so or unless an emergency situation arises that renders the PIC incapable of continuing the mission.

X. <u>DATA AND FLIGHT LOGS RETENTION</u>

Each authorized UAS operator must maintain a flight log. Operators must log the date, flight time and locations of all UAS deployments, and must note, case number, incident type, automated flight or manual flight, and whether photo images or video were captured during the flight. Flight logs must be submitted to the Program Coordinator at the conclusion of each flight mission.

Data collected by the UAS must be retained in accordance with existing District record retention policy and must be secured as follows:

Page **6** of **7**

- A. All Data collected shall be securely downloaded at the completion of each mission. The UAS-certified operators will record information for each file that shall include the date, time, location, and case reference numbers or other mission identifiers and identify the UAS personnel involved in the mission.
- B. Staff shall not edit, alter, erase, duplicate, copy, share, or otherwise distribute in any manner UAS data without prior written authorization and approval of the General Manager or his or her designee.
- C. Files should be securely stored in accordance with agency policy and state records retention laws.

XI. ACCIDENT REPORTING

All accidents must be reported promptly to the Program Coordinator or the District General Manager for appropriate action.

PALMDALE WATER DISTRICT BOARD MEMORANDUM

DATE: September 20, 2017 **September 27, 2017**

TO: BOARD OF DIRECTORS Board Meeting

FROM: Ms. Judy Shay, Public Affairs Director

VIA: Mr. Dennis D. LaMoreaux, General Manager

RE: AGENDA ITEM NO. 7.5 – CONSIDERATION AND POSSIBLE ACTION

ON OUTREACH ACTIVITIES FOR 2017. (PUBLIC AFFAIRS

DIRECTOR SHAY)

A detailed report on Outreach activities, as listed on the agenda, will be provided at the Board meeting.

PALMDALE WATER DISTRICT BOARD MEMORANDUM

DATE: September 21, 2017 **September 27, 2017**

TO: BOARD OF DIRECTORS Board Meeting

FROM: Mr. Tim Moore, Facilities Manager

VIA: Mr. Dennis D. LaMoreaux, General Manager

RE: AGENDA ITEM NO. 7.6 – CONSIDERATION AND POSSIBLE ACTION

ON RESOLUTION NO. 17-24 BEING A RESOLUTION OF THE BOARD OF DIRECTORS OF THE PALMDALE WATER DISTRICT RECOGNIZING SEPTEMBER 15 – OCTOBER 15 AS NATIONAL

HISPANIC HERITAGE MONTH. (PRESIDENT ALVARADO)

At the request of President Alvarado, Resolution No. 17-24 is presented for consideration.

Supporting Documents:

 Resolution No. 17-24 being a Resolution of the Board of Directors of the Palmdale Water District Recognizing September 15 – October 15 as National Hispanic Heritage Month

RESOLUTION NO. 17-24

RESOLUTION OF THE BOARD OF DIRECTORS OF THE PALMDALE WATER DISTRICT RECOGNIZING SEPTEMBER 15 – OCTOBER 15 AS NATIONAL HISPANIC HERITAGE MONTH

WHEREAS, the celebration of National Hispanic Heritage Month began in 1968 when Congress authorized and requested President Lyndon B. Johnson to issue a proclamation designating the week of September 15 as National Hispanic Heritage Week.

WHEREAS, the celebration includes recognizing the contributions of Hispanic Americans and the anniversaries of independence for Mexico, El Salvador, Guatemala, Honduras, Costa Rica and Nicaragua.

WHEREAS, Palmdale Water District is pleased to celebrate Hispanic Americans whose contributions to our country, state, city and District are invaluable and truly appreciated.

WHEREAS, Palmdale Water District recognizes its Board of Directors members and staff who are of Hispanic ethnicity.

WHEREAS, Palmdale Water District appreciates its customers who are of Hispanic ethnicity and share in their celebration this month.

NOW, THEREFORE, BE IT RESOLVED, that Palmdale Water District supports and recognizes National Hispanic Heritage Month, which is celebrated each year from September 15-October 15.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Palmdale Water District held on September 27, 2017.

	Robert Alvarado, President	
ATTEST:		
Joe Estes, Secretary		
APPROVED AS TO FORM:		
BY:Aleshire & Wynder, LLP, General Counsel		



AGENDA ITEM NO. 7.7 Hotel and Travel Accommodations

Event Name/Date:

CONTACT INFORMAT	TION	
		D 1
First Name	Last Name	Date
		V 1 0 1 0 1 10 2
ACCOMMODATION IN	IFORMATION	
guarantee a room at the host	thotel. In the event that the h	d submit this form as soon as possible to cost hotel is booked, every effort will be ble rates to the event discounted rate.
Arrival Date Depart	ture Date No. of guest	ts Room Type
Do you require a smoking roo	om?	
○ Yes ○ No		
Do vou need transportati	on from the airport to the	e hotel?
bo you need transportati	·	
O Yes O No		
○ Yes ○ No	Time	
○ Yes ○ No	Time	
경화되었다. 그만 하실하는 그런 보고 있다. 1985년 - 1985년	Time	
○ Yes ○ No		Staff Representative

Having trouble viewing this? Click here for web version.

Don't forget to register for AFC17!

Annual Fall Conference (AFC) 2017



AFC17

WATER IN THE WILD WEST - Innovation and Resiliency

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER

The Annual Fall Conference is just around the corner! Make sure to register soon. You can <u>register online</u> or you may <u>download</u> the registration form. <u>Bulk registration</u> is also available.

The <u>Conference Schedule</u> is available on the AFC webpage as well as the <u>Preliminary Technical Program</u> and <u>Committee Schedule</u>.

Technical Tours

Technical tour locations are now on the Conference Schedule!

October 24, at 8 a.m. - Truckee Meadows Water Chalk Bluff Treatment Plant Tour

October 25, at 8 a.m. - Truckee Meadows Water Reclamation Facility Tour



Accommodations

Make sure you book your room at the Atlantis Resort! The discount rate ends soon.

Sign In Create Account Cart



ABOUT THE SECTION EVENTS & CLASSES MEMBERSHIP CERTIFICATION ADVOCACY COMMUNICATIONS WATER LO



AFC17
ANNUAL FALL CONFERENCE 2017

WATER IN THE WILD WEST - Innovation and Resiliency

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER

Keynote Speakers for this year's Annual Fall Conference

Opening Session Speaker - David Gutierrez, P.E., G.E - GEI Consultants



David Gutierrez, P.E., G.E. is a California-registered Civil and Geotechnical Engineer in GEI's Sacramento, California office. During his 37-yea career, David has established himself as an expert in water management and dam safety, and has created and led some of the most comp water management programs within the State of California for its Department of Water Resources. David has worked with cities, counties, public works agencies, water and flood control agencies, attorneys, the California Legislature, United States Congress, State of California's Governor's Office, federal agencies, and other entities on a variety of water resources-related projects. David was formerly the Chief of Division of Safety of Dams and Program Manager for the Groundwater Sustainability Program within the Department of Water Resources.

Keynote Luncheon Speaker - Paul R. Brown, AICP, M.ASCE - Paul Redvers Brown Inc.



Paul Brown has nearly 40 years experience in strategic and facilities planning, project development, project finance, and program management for public utilities and environmental facilities. His clients include the states of California and Colorado; the Metropolitan Wa District of Southern California (MWD); the Santa Clara Valley Water District; the Orange County (CA) Sanitation District; the Orange County Water District; the West Basin Municipal Water District; and the cities of Los Angeles, San Diego, San Francisco, San José, and Seattle.

Home

Contact Us (909) 481-7200 10435 Ashford St. 2nd Floor Rancho Cucamonga, CA 91730 info@ca-nv-awwa.org Schedule Page 1 of 2

Sign In Create Account Cart



ABOUT THE SECTION EVENTS & CLASSES MEMBERSHIP CERTIFICATION ADVOCACY COMMUNICATIONS WATER LO

RETURN TO CONFERENCE HON

Sunday, October 22

1:30 pm - 5:30 pm Governing Board Meeting

Monday, October 23

7:00 am - 4:30 pm Registration

8:00 am - 9:45 am Section Leaders Meeting
10:00 am - 5:00 pm Committee Meetings

5:30 pm - 7:00 pm Membership Welcome Reception

Tuesday, October 24

7:00 am - 4:30 pm Registration

7:30 am - 8:30 am 1st Time Attendee Orientation

8:00 am Truckee Meadows Water Chalk Bluff Treatment Plant

Tour

8:30 am - 10:00 am Opening Session

10:00 am - 10:15 am Break

10:15 am - 11:15 am Awards Ceremony

11:15 am - 11:30 am Break

11:30 am - 1:30 pm Keynote Luncheon

1:30 pm - 3:00 pm Technical Sessions

3:00 pm - 4:00 pm Break

3:00 pm - 4:00 pm Exhibit Hall Grand Opening

3:00 pm - 7:00 pm Exhibit Hall Hours

3:30 pm Prize Drawings in Exhibit Hall

4:00 pm - 5:30 pm Technical Sessions

4:00 pm - 5:00 pm Women's Networking Session

5:30 pm - 7:00 pm Exhibit Hall Meet & Greet (Prize Drawing TBD)

7:00 pm Chairs Reception by Invitation

Wednesday, October

25

7:00 am - 4:30 pm Registration

7:30 am - 8:30 am Technical Sessions

8:00 am Truckee Meadows Water Reclamation Facility Tour

8:30 am - 10:00 am

Break

8:30 am - 10:00 am

Exhibit Hall Breakfast

8:30 am - 4:00 pm

Exhibit Hall Hours

9:15 am

Prize Drawing in Exhibit Hall

10:00 am - 12:00 pm

Technical Sessions

10:00 am - 12:00 pm

Tech Talks in Exhibit Hall

12:00 pm - 1:00 pm

Exhibitor Hosted Lunch in Exhibit Hall

12:30 pm

Price Drawing in Exhibit Hall

1:30 pm - 3:00 pm

Technical Sessions

3:00 pm - 4:00 pm

Break & Prize Drawing in Exhibit Hall

4:00 pm

Exhibit Hall Concludes

4:00 pm - 5:00 pm

Technical Sessions

6:00 pm

Reno FUN Raiser, Water for People Fundraiser Event

Click here to register.

Thursday, October 26

7:00 am - 10:00 am

Registration

8:00 am - 9:30 am

Technical Sessions

9:30 am- 10:00 am

Break

10:00 am - 12:00 pm

Technical Sessions

12:00 pm

Technical Sessions conclude

<u>Home</u>

Contact Us

(909) 481-7200

10435 Ashford St. 2nd Floor Rancho Cucamonga, CA 91730 info@ca-nv-awwa.org

Copyright © 2016 American Water Works Association California-Nevada Section



WATER IN THE WILD WEST

Innovation and Resiliency

PRELIMINARY TECHNICAL PROGRAM



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



CALIFORNIA - NEVADA SECTION. AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Preliminary Technical Program

Tuesday, October 24, 2017

Session 1

1:30 PM - 2:00 PM

Federal Regulations Update

Rick Zimmer, Eurofins

Update on federal regulatory activities and priorities

2:00 PM - 3:00 PM

State Regulations Update

My-Linh Nguyen, Nevada DEP Darrin Pohlemus California DDW

Update on state regulatory activities and priorities

4:00 PM - 4:30 PM

Public Notification for Unregulated Contaminant Detects

Tim Miller, California American Water Company

Case Study of water system response to PN for CECs

4:30 PM - 5:00 PM

Nevada Premise Plumbing Water Quality

Ross Cooper, Nevada DEP

Case Study of water quality management for premise plumbing in NV

5:00 PM - 5:30 PM

Lead in School

Talle Lopez, California Water Services Company

Case Study of water system response to PN for CECs



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Preliminary Technical Program

Tuesday, October 24, 2017

Session 2

1:30 PM - 2:00 PM

Retrofit Backflow Installations - I didn't have it Before, Why Now?

Doa Meade, LVVWD

Participants in this session will learn about the challenges and issues water purveyors encounter when a backflow retrofit is required at a consumer's premise.

2:00 PM - 2:30 PM

Retro-fit Issues and Challenges for a Dual Plumbed System

Paul Schwartz, USC

Participants in this session will learn about the installation challenges for compliance and retro-fits administrative authorities face during the startup of a dual plumbed system for a consumer.

2:30 PM - 3:00 PM

Protecting the Public Water System from Auxiliary Water Supplies

Kenneth Payne, SFPUC

Participants in this session will learn about how a water agency/purveyor has protected the public water system from auxiliary water supplies through a robust cross-connection control program.

4:00 PM - 4:30 PM

Backflow Tester/Specialist Certification Updates

Steve Garner/Gina Enriquez, CA-NV AWWA

Participants in this session will learn about the updates relating to certification for Backflow Testers and Cross Connection Control Specialists.

4:30 PM - 5:00 PM

Device Has Failed, Now What?

Henry Chang, USC

Participants in this session will learn about how to evaluate the situation when a backflow device has failed. Each device will be covered in detail as to potential issues that may be encountered.

5:00 PM - 5:30 PM

ABC's of Troubleshooting

Ben Bennett, Backflow Prevention Specialists, Inc

Participants in this session will learn about the ABC's of troubleshooting backflow devices in the field from the perspective of an experienced tester.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Preliminary Technical Program

Tuesday, October 24, 2017

Session 3A

1:30 PM - 2:00 PM

Careful what you ask for... Justifying Tiered Rates in California

Mark Hildebrand, Stantec Consulting, Inc.

How a water utility can develop simple and transparent cost-of-service based conservation rates, including key challenges and specific approaches that could be used at utilities across the country.

2:00 PM - 2:30 PM

Utility 2.0: How Boynton Beach is Transforming Management and Operations with Full-Scale Data Integration and Visualization

Mark Panny, Carollo Engineers

How business intelligence software can assist capital, financial, and operational management in an easy dashboard format.

2:30 PM - 3:00 PM

Designing Water Rates for Sustainable Living in the City of Los Angeles

George Chen, LADWP

Participants in this session will learn about how the City of Los Angeles redesigned their water rates to despite severe constraints of water sales being drastically reduced by the 20% reduction mandate the need to upgrade the aging water system infrastructure and maintaining the financial stability of the utility.

Session 3B

4:00 PM - 5:30 PM

Developing a Unique Mentorship Program at AWWA

Theresa Slifko, MWD

A great mentor can be extremely beneficial for your career and personal development; however, this relationship can take many different forms. Join us in this workshop as Theresa Slifko shares her experience with different mentor program styles at several organizations. Building on her experience, participants will discuss and explore how to establish a unique mentor program most effective for women in AWWA.



CALIFORNIA - NEVADA SECTION. AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Preliminary Technical Program

Tuesday, October 24, 2017

Session 4

1:30 PM - 2:00 PM

Custom Engineered Microfiltration System -Upgrade of West Basin's Carson Regional Water Recycling Plant

Nathan Boyle, Hazen and Sawyer

Participants in this session will learn about custom engineered microfiltration design, reviewing some of the challenges with process and mechanical design and procurement approach.

2:00 PM - 2:30 PM

Sea Water Desalination Project will Treat Water from the Red Sea to Supply a New City

Richard Stratton, HDR
Participants in this session will learn about design and procurement of desalination treatment plant along the Red Sea. Design details for the challenging Red Sea water quality conditions and the procurement process will be discussed.

2:30 PM - 3:00 PM

Is My Purified Water Too Pure for Groundwater Replenishment?

Erin Mackey, Brown and Caldwell

4:00 PM - 4:30 PM

Membrane Distillation as a Tool for Water Reuse

Sage Hiibel, University of Nevada, Reno

Participants in this session will learn about the optimization of membrane processes for water reuse.

4:30 PM - 5:00 PM

City of Sparks' Reclamation Facility - One Plant, Many Uses

Michael Drinkwater, City of Sparks

Participants in this session will learn about the City of Spark's Reclamation Facility and its many users.

5:00 PM - 5:30 PM

Summit Public Utility District and Soda Springs Resort's Partnership to Maximize Reuse and Fun

Tom Skjestad, Donner Summit Public Utility District

Amy Ohran Soda Springs Resort

Participants in this session will learn about the Summit Public Utility District and Soda Springs Resort's partnership to maximize Reuse and fun.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Preliminary Technical Program

Tuesday, October 24, 2017

Session 5

2:00 PM - 2:30 PM

Streamlining Water Conservation Program Implementation in a Post-Drought World

Andy Florendo, Solano County Water Agency Kat Wuelfing EKI Environment & Water, Inc.

The presentation is about a study conducted by the Solano County Water Agency to identify ways to better target and streamline their single-family residential water conservation programs, given the changing water conservation landscape a postdrought conditions.

2:30 PM - 3:00 PM

Messaging The Alphabet Soup of Water

Darcy Burke M.B.A., Watermark Associates

How to translate technical speak into consumer friendly messages. Participants will receive specific strategies and tactics to convert technical jargon, water speak and engineering alphabet soup into clear, effective messaging without being lost in translation.

4:00 PM - 4:30 PM

An emerging cure for the plague of strategic planning

Steven E. Wallis, PhD, Meaningful Evidence, LLC

Participants in this workshop will learn why strategic plans fail to reach their goals while learning new techniques for Strategic Knowledge Mapping (SKM) that will enable participants to reach goals, build trust, improve transparency, and increase flexibility in the face of political and natural climate change.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Preliminary Technical Program

Tuesday, October 24, 2017

Session 6

2:00 PM - 3:00 PM

Using Artificial Intelligence to Evaluate Infrastructure Resiliency and Improve Response and Recovery in Natural Disasters

Ahmad Wani, One Concern

Participants in this session will learn State of the Art Artificial Intelligence and Machine Learning techniques, how Artificial Intelligence can be used across stakeholders to create a common operating platform to achieve critical situational awareness during natural disaster events, and the capability of Artificial Intelligence to create simulations containing highly accurate predictions of structural damage to water provider infrastructure and building stock from natural disasters for training and resource allocation.

4:00 PM - 4:30 PM

Real-World Emergency Bypass Hose Deployment - Winter 2017 Storm Response by Contra Costa Water District

Pete Schoemann, CCWD

CCWD's experience from real-world emergency deployment of 1,200 feet of

super aqueduct hose in response to loss of service to over 100 customers from a landslide related to the winter 2017 storms.

4:30 PM - 5:30 PM

Drones in the Water Industry -- How the SFPUC Uses Drones and Their Effects on System Security and Maintenance

Mary Ellen Carroll, San Francisco Public Utilities Commission

Participants in this session will learn about how the SFPUC uses drones for water system and watershed inspections, incident investigation, and condition assessment for water system assets and facilities.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Preliminary Technical Program

Tuesday, October 24, 2017

Session 7

1:30 PM - 2:30 PM

Water Storage Tank 101

Shailer Nicholas, Utility Services

This presentation will review basic issues of potable water storage tanks. In addition to basic design issues and review of applicable AWWA standards the necessary components of an effective water storage tank inspection will be covered. Inspection issues

2:30 PM - 3:00 PM

Fly Over Inspections with Drones

Adolfo Segura, Otay Water District

Discuss the pros and cons of a recent drone inspection on their rural pipelines and tanks.

4:00 PM - 4:30 PM

Shake It Out! Get the 411 on the Updated Seismic Design in AWWA D110

Tom Bloomer, DN Tanks

Discuss the recent seismic updates on concrete tanks in the D110.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Preliminary Technical Program

Tuesday, October 24, 2017

Session 8

1:30 PM - 2:00 PM

Full-Scale Treatment Performance and Cost Data For Removing Perfluorinated Compounds from Groundwater

Pierre Kwan, HDR

The design and operational experience for treating a new type of contaminant.

2:00 PM - 2:30 PM

The Master Plan is Over - Now What?

Laura Barraza, EMWD

The presentation will summarize the District's actions after completing its WFMP, share its insights on the various issues that must be addressed as projects move from conceptual planning to implementation.

2:30 PM - 3:00 PM

How to Squeeze More Capacity Out of an Existing Water Plant to Keep Up with Demands

Richard Stratton, HDR Aaron Sullivan PCWA

Participants will learn how to cost effectively extract added capacity from existing water treatment plants by improving hydraulics,

adding treatment equipment to existing basins, and rerating of existing processes.

4:00 PM - 4:30 PM

Construction Phase - Large Diameter Pipeline Seismic Retrofit Mitigates Landslide Hazard

Darren Baune, Carollo Engineers

Participants will learn about the design and construction of a project to seismically retrofit a 60-inch, 66-inch and 72-inch pipeline for 9.4 feet of seismic and creep displacement at a Landslide toe.

4:30 PM - 5:00 PM

A New Quality Program for the Water Industry

Michael Thomas, P.E., Metropolitan Water District of Southern California

To understand the difference between "QA/QC" and to start thinking about quality programs in terms of process control, accountability, and improvement.

5:00 PM - 5:30 PM

Innovative recycled water creates drought-proof irrigation supply

Ron Papa, PE, Carollo Engineers

This presentation summarizes the design of a recycled water distribution and 60 million gallon storage reservoir for the City of Ukiah, California.





Wednesday, October 25, 2017

Session 11

7:30 AM - 8:00 AM

TBD

8:00 AM - 8:30 AM

Improved Clarification and Sludge Treatment by Upgraded Polymer Feed

Yong Kim, UGSI Solutions, Inc.

With broad technical review and experimental data, this presentation provides engineers and operators with practical knowledge on the efficient way of polymer mixing and handling to maximize the polymer value in clarification and sludge treatment. Three-month trial at water plant showed that upgraded polymer feed resulted in significant process improvements.

10:00 AM - 10:30 AM

Updates on Chrome-IX Pilot Results

Nick Brogren, Tonka Water

Participants will learn about the pilot results of an innovative Chrome(VI)

removal technology (Chrome-IX™) and what it means for the future of Chrome (VI) removal projects in California.

10:30 AM - 11:00 AM

Low Cost Chromium Removal Using the WRT Selective Metals Reduction (SMR) Process - Case Study Pilot Testing Results

James Arnold, P.E., WRT LLC

Participants will learn of a commercially available hexavalent chromium removal technology recently developed by WRT. The WRT SMR process through on-site pilot testing has shown very efficient removal of chromium from drinking water well sources with overall low cost of treatment. The process generates relatively small amounts of water treatment residuals.

11:00 AM - 11:30 AM

Exploring the Boundaries of the Cr (VI) RCF Removal Process

Tarrah Henrie, Corona Environmental Consulting

Participants will learn about ongoing bench- and pilot-scale testing of RCF



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



with stannous chloride. The presentation will also highlight the resulting cost implications of full-scale implementation of RCF with stannous as a Cr (VI) treatment technology.

11:30 AM - 12:00 PM

Data From Online Chromium-6
Analyzer Helps Drive Effective
Chromium Treatment and Blending
Schemes

Tom Williams, Aqua Metrology Systems, Ltd.

To consistently deliver water with less than 10 ppb chromium-6, a utility must be able to accurately and reliably measure influent and effluent contaminant levels. Laboratory analysis is unable to provide data in real-time. A new online analyzer produces accurate and reliable results in 30 minutes down to 1 ppb.

1:30 PM - 2:00 PM

Balancing DBP Formation by Using Multiple Oxidants

Peter Von Bucher, Carollo Engineering

Attendees will learn about the challenges and benefits of managing DBP formation through the use of

multiple oxidants, including chlorine dioxide, ozone, and chlorine.

2:00 PM - 2:30 PM

Treatment Alternatives Considered for Treating Lake Tahoe Water within a Tight Footprint

Tim Williams, Kennedy/Jenks Consultants Deborah Russell Kennedy/Jenks Consultants

The Tahoe City Public Utility District evaluated multiple treatment alternatives during the design of the new 1.5 MGD West Lake Tahoe Regional Water Treatment Plant. This evaluation included review of multiple sites for location of the plant as well as evaluation of treatment processes for the Lake Tahoe water, which is considered high quality water with low turbidity, but low temperatures.

2:30 PM - 3:00 PM

Real Time Corrosion Rate Testing to Discern Lead and Copper Pipe Corrosion Reduction



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Preliminary Technical Program

Bob Ryder, Kennedy/Jenks Consultants Lee Schegg Rural Community Assistance Corporation

Periodic exceedance of Lead and Copper Rule action limits have occurred at the Big Valley Rancheria on Clear Lake, California. The EPA funded a corrosion study to determine the best method to lessen the corrosivity of a well water supply that has a pH of 6.6, an iron concentration of 8 mg/L and a silica concentration of 90 mg/L and a use of about 50,000 gpd. The water is treated for iron, taste and odor, and hardness reduction by a combination of greensand, GAC and zeolite softening pressure contactors, followed by a phosphate addition for corrosion control.

4:00 PM - 4:30 PM

A New Approach to Biological Remediation for Drinking Water

Cathy Swanson, Evoqua Water Technologies Peter Hall MIH Water Treatment

Bench scale testing of CO2 stripping by aeration to elevate pH to 8.2 was evaluated by a portable linear polarization corrosion rate analyzer using copper and lead plug coupons. A reduction in the rate of copper and lead corrosion was measured at weekly intervals over a month of testing. This was an economical corrosion test methodology for a small water system as compared to a continuous pilot plant set up and a coupon weight loss and concentration testing. It will result in much lower lead and copper leaching and compliance with the Lead and Copper Rule for the residents and the Konocti Vista Casino Facilities.

4:30 PM - 5:00 PM

How I Learned to Stop Worrying and Get Rid of Regulations

Patrick Cory Boyd, City of San Diego

Participants in this section will learn that there are safer alternatives to the typically used chemicals in the treatment process and that there are always different methods to make your plant safer for the employees as well as the public.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23°- 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Wednesday, October 25, 2017

Session 12A

8:00 AM - 8:30 AM

Applications and Benefits of an Electronic Water Quality Data Management System - A Utility's Perspective and Experiences

Kate Martin, Golden State Water Company Bryan Rinde Golden State Water Company

Participants in this session will learn about a utility's experiences in applying an electronic water quality data management system to manage water quality compliance and system operations. Participants will also learn about the challenges and benefits of implementing an electronic water quality data management system.

10:00 AM - 11:00 AM

Corrosion Protection Systems for Ductile Iron Pipe

John Johnson, McWane Ductile

This 1-Hour Session is a comprehensive Training Overview on maximizing the service life of ductile

iron pipe in corrosive environments for municipal water and sewer applications. This course will review the typical causes of internal and external corrosion in underground applications as well as AWWA approved preventive solutions. Attendees will also learn the state of the art corrosion protection options available depending upon the severity of the environment encountered as well as recommended installation techniques.

Session 12B

11:00 AM - 11:30 AM

Legiolert: An Enzymatic Method for The Detection of L. pneumophila in Water and Cooling Towers

Gil Dichter, IDEXX Laboratories

Participants will learn that reported cases of Legionnaires' disease have significantly increased. Testing for Legionella is on the EPA CCL4 list and Present Legionella methods are 7-10 days, with confirmation required. A new test, Legiolert, has reduced the time to 7 days with no confirmation required. Introduction to Legionella,



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Program

test methods and studies will be presented.

11:30 AM - 12:00 PM

Factors Influencing Chlorate Formation at Sweetwater Authority

Laura Homsey, Sweetwater Authority

Participants will learn how water quality laboratory staff at Sweetwater Authority executed a study to examine chlorate formation from sodium hypochlorite feed stock degradation as a function of age of stock, stock concentration, and temperature. In addition, the factors influencing the formation of chlorate from chlorine dioxide disinfection and hypochlorite feed stock degradation will be compared and contrasted.

Session 12C

1:30 PM - 2:00 PM

Characterizing Source Water
Organics and Pretreatment Efficacy
to Mitigate Ultrafiltration
Membrane Fouling

Amanda Scott, GE Analytical Instruments

Dondra Biller GE Analytical Instruments

By analyzing organic size fractions from water samples with high, medium, and low fouling sources, more intelligent treatment decisions can be made through connecting water quality and membrane performance. The results of this study can be used to improve pilot testing and optimize pretreatment design to ensure efficient membrane operation.

Session 12D

2:00 PM - 2:30 PM

California's SB 1425 Water-Energy Nexus Registry

Chelsea Hasenauer, The Climate Registry

Participants in this session will learn about California's SB 1425 Water-Energy Nexus Registry.

2:30 PM - 3:00 PM

Implementation of Progressive Energy Efficiency Projects with Local Electrical Utility and



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



California Energy Commission Grant Funding

Michael Maestas, Cucamonga Valley Water District

Participants will learn about the approach taken by a water utility to increase energy efficiency and SCADA capability utilizing energy efficiency grants and services offered through the California Energy Commission and SoCal Edison.

4:00 PM - 5:00 PM

Improving Water System Sustainability through Energy Management

Robert B. Sowby, Hansen, Allen & Luce

Participants in this session will learn tools, methods, and best practices for optimizing a water system for energy efficiency while maintaining water quality and level of service.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Wednesday, October 25, 2017

Session 13

7:30 AM - 8:30 AM

New Electronic Billing Meter Standards- Shocking Utilities & Customers!

Kenneth Molli, Veolia North America

The impacts that new electronic meters will have on utility water loss management operations and their customers.

10:00 AM - 11:00 AM

Water Loss Control - Criticality of Large Master/Production/Wholesale

Meter Testing & Calibration

Michael Simpson, M.E. Simpson Co., Inc.

The accuracy of your Large
Master/Production/Wholesale Water
Meter is the critical key in your Water
Loss Control, Non-Revenue Water
program's success. Attendees will
learn the criticality of testing
programs and the most effective,
efficient, proper testing and

calibration techniques used to validate large water meter accuracy.

11:00 AM - 11:30 AM

City of Sacramento - Meter Testing & Meter Replacement Program

Jon Conover, City of Sacramento

Participants in this session will learn about City of Sacramento's Meter Replacement Program and upgraded Re-circulating / Gravimetric Test Benches (test meters 5/8" – 16").

11:30 AM - 12:00 PM

Finding the Holes: South Tahoe PUD Water Loss Pilot Study

Stephen Caswell, South Tahoe Public Utility District

Participants in this session will learn how a partially metered water utility has started to tackle the issue of water loss with limited data and resources.

1:30 PM - 2:30 PM

Advancing Fixed Networks

Kevin Barnes, Itron

Participants will learn that technology continues to advance and AMI



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



systems are opening up for much further system expansion.

2:30 PM - 3:00 PM

Managing Construction Meters - A Case Study

Dan Baker, Helix Water District Paul LaFalce, Helix Water District

Participants will learn the framework for updating or developing their own construction meter management program.

4:00 PM - 4:30 PM

So You Can Get a Read but What's Next? One agencies tale of AMI from feasibility study to the first billing and it's not what you expected.

Linda Yager, Placer County Water Agency

Best practices when considering, planning, installing, and billing from an AMI system. Take away clear lessons learned from an agency that installed cellular endpoints in the most challenging part of their service area.

4:30 PM - 5:00 PM

Benicia – a Historic California City Experience Implementing AMI

Christian Di Renzo, City of Benicia

Participants in this session will learn how to select a smart water meter manufacturer and project management team as well as the issues that are likely to arise as a city migrates to AMI. Options for securing financing will also be discussed.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Wednesday, October 25, 2017

Session 14

11:00 AM - 12:00 PM

Chemical Feed Systems and Solving My Chemical Feed Problems.

Rich Hopkins, Hopkins Technical Products, Inc.

Participants in this session will learn how to identify problems associated with chemical dosing equipment. Including: Mathematical calculations, installation and design criteria, pump sizing for optimal dosing, applications and methods of controlling the outputs of speed and stroke.

1:30 PM - 3:00 PM

Operator Roundtable

Colter Anderson, Zone 7 Water Agency Dan Armendariz, California Water Service Steve Twitchell

Attendees will learn about treatment techniques and processes, troubleshooting operations and equipment, CMMS, the selection of materials and supplies the topics are open to the attendees.

4:00 PM - 4:30 PM

Jar Testing for Plant Operations

Larry Lyford, Helix Water District

Participants in this session will learn how Helix Water staff prepare and perform Jar Tests from the math for stock solutions to advanced shear testing.

4:30 PM - 5:00 PM

Zeta Potential, What It Is and How to Use It for Plant Optimization

Larry Lyford, Helix Water District

Participants in this session will learn the basics of Zeta Potential and how it is used and measured to achieve optimum particle charge for enhanced filter performance.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Wednesday, October 25, 2017

Session 15A

7:30 AM - 8:00 AM

AMI Leak Notifications: A Lesson in Customer Service

Greg Bundesen, Sacramento Suburban Water District

Participants in this session will learn about how in an attempt to comply with its 32% water use reduction standard, the Sacramento Suburban Water District used its AMI system to create a Leak Notification Program to inform customers about possible leaks.

8:00 AM - 8:30 AM

An IOU's Approach to Customer Service, Water Rates & Water Use Efficiency During a Historic Drought

Robert Day, San Jose Water Company Sharon Whaley San Jose Water Company

Participants in this session will learn how a drought can significantly impact both your customers and your water company's operations. Allocations, drought surcharges and increased customer demands for quality service will be discussed.

10:00 AM - 10:30 AM

Taking the Temperature on Drought Response Effectiveness

Kat Wuelfing, EKI Environment & Water, Inc.

Andree Johnson Bay Area Water Supply and Conservation Agency

Participants in this session will learn about the relative effectiveness of drought response actions taken by BAWSCA and its diverse 26 urban retail member agencies. This talk will include a discussion of how to prioritize, prepare for, and coordinate efforts to respond to future droughts at both a regional and agency-level.

10:30 AM - 11:00 AM

Streamlining Water Conservation Program Implementation in a Post-Drought World

Andy Florendo, Solano County Water Agency Kat Wuelfing EKI Environment & Water, Inc.

Participants in this session will learn about a study conducted by the



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Solano County Water Agency to identify ways to better target and streamline their single-family residential water conservation programs, given the changing water conservation landscape a postdrought conditions.

11:00 AM - 11:30 AM

Metropolitan's Efforts to Encourage Local Resources Development

Ray Mokhtari, Metropolitan Water District of Southern California James Bodnar Metropolitan Water District of Southern California

Participants in this session will learn about the Metropolitan Water District of Southern California's financial incentive programs, non-incentive programs, and policy principles to encourage local resources development. Currently, Metropolitan provides financial incentives up to \$340/AF to local agencies for the development of recycled water, groundwater recovery, and seawater desalination projects.

Session 15B

1:30 PM - 2:00 PM

Lessons Learned from Design, Construction and Testing of Test Slant Well to Obtain Source Water Supply for Desalination in Marina, CA

Brian Villalobos, Geoscience

Participants in this session with learn about lessons from the design, construction and testing of a test slant well used to obtain source water for the Monterey Peninsula Water Supply Project (MPWSP) desalination project.

2:00: PM - 2:30 PM

Achieving Ocean Plan Compliance with Challenging Discharge Blends: Desalination Brine, Wastewater Effluent, and Potable Reuse Brine

Brie Webber, Trussell Technologies

Participants in this session will learn how to assess compliance with water quality objectives set forth in the California Ocean Plan for proposed projects with challenging discharge blends. Specifically, this presentation will cover analysis methods and results for a proposed brine discharge



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



composed of desalination brine, wastewater effluent and potable reuse brine.

2:30 PM - 3:00 PM

Assessment of Greenhouse Gas Release from Subsurface Desalination Intakes for the Monterey Peninsula Water Supply Project

Anya Kaufmann, Trussell Technologies

Participants in this session will learn a method for estimating carbon dioxide releases from subsurface and open ocean intakes to a desalination plant. The estimated carbon dioxide release from a study of the Monterey Peninsula Water Supply Project will be presented.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Wednesday, October 25, 2017

Session 16A

1:30 PM - 2:30 PM

How California Is Responding To Climate Change

Invited Panel, Metropolitan Water District of Southern California

What current California state agencies are doing in response to climate change, and how they plan to address in the future.

Session 16B

2:30 PM - 3:00 PM

Scholarships, Competitions and Other Student Recognition Opportunities

Bruce Macler, US EPA

Participants will learn what the Section offers to students to enhance their fame and fortune.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Wednesday, October 25, 2017

Session 17A

7:30 AM - 8:30 AM

Pump Water at Your Financial Risk

Steven Hoch, MORRIS, POLICH & PURDY, LLC

Pumping water from a polluted source can create liability for the pumper, including those that treat the water for usage. Under Comprehensive Environmental Response, Compensation & Liability Act (aka Superfund) you can be liable as a polluter. We will discuss these issues and discuss changes that are needed.

of their systematic approach to evaluate remediation efforts water utilities may be able to lessen their financial burden.

10:30 AM - 11:30 AM

The THREE Critical Pieces of the Hazardous Waste Puzzle

Adam Burton, Belshire Environmental

Participants will learn the three critical pieces of the RCRA hazardous waste regulations that are essential for those who generate, store, ship, dispose or otherwise manage hazardous waste at their facilities.

10:00 AM - 10:30 AM

Cost Recovery Options for Emerging Contaminants- Shifting Treatment Costs from Ratepayers to Polluters

Bill Kelly, SL Environmental Law Group, PC

Under the theory of "products liability" manufacturers of chemicals responsible for contamination are held accountable for the associated treatment costs. By including a legal review of cost recovery options as part

Session 17B

1:30 PM - 5:00 PM

CalWARN and NvWARN -- The Next Steps

Ray Riordan, CalWARN

In this CalWARN and NvWARN meeting, participants will learn the latest ways these two organizations are working to make utilities more prepared and more resilient to natural and man-made disasters.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Wednesday, October 25, 2017

Session 18

7:30 AM - 8:30 AM

Mitigating a Legacy Ozone Control System

Henry Palechek, Helix Water

10:00 AM - 11:00 AM

The changing SCADA landscape -Architecting systems for the future

Kent Melville, Inductive Automation

The SCADA landscape is changing, with old technologies consolidating and new technologies emerging. This session will cover four topics: leveraging database in SCADA systems, using a wide architecture for multi-site deployments, software integration to other business systems and streamlined data access by using loT and MQTT technologies.

11:00 AM - 12:00 PM

Now is the Time to Act! Panel Discussion

Kent Melville, Inductive Automation, San Jose Water Co, San Jose Water Co, TJC & Assoc., Sierra Controls Yitzhak Gilon San Jose Water Company Ulises Arzate Ramirez

This session will provide a panel of experts prepared to discuss design and maintenance of control systems.

1:30 PM - 2:30 PM

Planning for the Replacement of Your Obsolete PLC System

Micheal Erwin, TJC and Associates, Inc.

This presentation will be looking at when and why upgrades to your PLCs are necessary. Hardware and software evolution and the costs to maintain these systems may determine when it would be advantageous for an upgrade. We will be discussing different alternatives and how to avoid pitfalls, which programs will need to be re-written and which will need to be converted.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



2:30 PM - 3:00 PM

Big Data Extraction, It Shouldn't Be a Pain

Jeff Martin, Carollo

Our public utilities are faced with mounting pressure from operations to executive management to capture more and more data from the plant floor, lab information systems, GIS, etc. and make it accessible to and presentable in a user-friendly format to the utility staff.

learned from these efforts related to choosing the correct technology to accomplish our goal of protecting the customers and distribution system from unacceptable water quality.

using such device and distill lessons

4:00 PM - 5:00 PM

Prevention of Discolored Water Events in the Distribution System by Installation of Online Turbidimeters Groundwater Pumping Facilities.

Yitzhak Gilon, San Jose Water Company Ulises Arzate Ramirez San Jose Water Company

This presentation will describe the method SJWC used to test candidate devices, the criteria employed for evaluation of each device and final results of the evaluation. Discussion will be included to demonstrate the relative and cumulative benefit of



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Wednesday, October 25, 2017

Session 19

7:30 AM - 8:30 AM

Want to Improve Your Main Replacement Scheduling? Use Risk and Life-Cycle Cost!

Peter Martin, Innovyze

A risk-based analytical economic model for optimal scheduling of pipe replacement based on a life-cycle cost analysis considering acceptable level of failure risk and total cost of ownership. It integrates GIS, network modeling, asset integrity modeling, and financial analysis. Example applications from two large California agencies are presented and discussed.

10:00 AM - 11:00 AM

Capital Investments without Capital

Ryan Gunstream, Honeywell Energy Services

Participants in this session will learn how to leverage financing options to complete capital improvements. 11:00 AM - 12:00 PM

Water Well Asset Management
Programs: A New Sustainable
Approach to Maintaining Well and
Equipment Performance

Keith Jones

This presentation will review the components of an effective water well condition assessment, list the pros and cons of the most common well rehabilitation technologies and discuss the components of an effective well asset management program.

1:30 PM - 2:00 PM

Camrosa Water District, CA A
Comprehensive Valve and Fire
Hydrant Assessment & Leak
Detection Program

Roy Martinez, Wachs Water Services Eric Garcia Camrosa Water District

Participants will learn how to initiate and evaluate an Asset Management program that reduces the consequences of failure and improves system reliability.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



2:00 PM - 2:30 PM

City of Corona, CA, Valve & Fire Hydrant Assessment and Repair Program

Roy Martinez, Wachs Water Services Gene Silvas City of Corona, CA

Participants will learn how to initiate and evaluate an Asset Management program that reduces the consequences of failure and improves system reliability. 2:30 PM - 3:00 PM

Utility 2.0: How Boynton Beach is Transforming Management and Operations with Full-Scale Data Integration and Visualization

Mark Panny, Carollo Engineers, Inc.

How business intelligence software can assist capital, financial, and operational management in an easy dashboard format.





Wednesday, October 25, 2017

Tech Talks in the Exhibit Hall

10:00 AM - 12:00 PM

Advanced Leak Detection Technology

Corey Keefer, Echologics

The overview of this presentation is to educate how the use of advanced technology to detect leaks presents an excellent opportunity not only conserve water but also improve customer service, as automated leak detection results in quicker response times. This relates to water by showing technologies that help reduce water loss while eliminating property damage and service interruptions before a catastrophic main break occurs. These features will help make informed data-driven decisions about how to best manage their water infrastructure

Automatic Flushing and Monitoring Technology

Virgil Diaz, Mueller Company

Advancements in process management control systems and water quality analyzers, coupled with affordable communication methods, have made it possible for water distribution and water quality teams to have immediate access to data that can be used to better predict system performance and enhance the dynamics of their hydraulic models.

Electric Motors Eliminating the Effects of Shaft Currents on Motor Bearings

Matt Schwach and Jim Hudspeth, Reed Electric and Field Service

Reed Electric and Field service would like to discuss three different types of technology (Helwig Carbon Brushes, Aegis shaft grounding ring, Cool Blue inductive absorbers) that are used to eliminate the effects of shaft currents on motor bearings. We will describe what produces shaft currents. How the currents can damage bearings and reduce the installed life of motors. We will use a small motor and a digital multimeter to show shaft currents and how the different types of technology reduces or gives an alternate path for shaft currents.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Water Service Pipe Materials: Common Products and Engineering Considerations

Stew Harvey, GSM

This presentation will cover the three main service line pipe materials being installed today; Copper, HDPE and PEX-A. All three materials have their believers who wouldn't specify anything else, but all products have engineering and installation/operational issues which should be considered. This contact session will solicit insight from attendees and address the benefits and challenges for each of the materials



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Thursday, October 26, 2017

Session 20

8:00 AM - 8:30 AM

Development of an ASR Program in the City of Woodland, CA: Perspectives on Planning, Funding and Implementation

Kenneth Loy, West Yost Associates

Participants in this session will learn more about how ASR can assist in meeting their water supply and sustainability goals; factors to consider when determining whether ASR is feasible; funding approaches; and implementation activities, including permitting, well construction, and integration with existing water sources and delivery infrastructure.

8:30 AM - 9:00 AM

Managing and Operating Aquifer Storage and Recovery (ASR) Wells-An Arizona Case Study- Lesson Learned

Gary M. Gin, R.G., Leonard Rice Engineers

Participants in this session will learn that ASR Wells are manageable, not as labor-intensive, and reliable systems.

9:00 AM - 9:30 AM

Constraints and Considerations for the Injection of High Purity Water into Alluvial Aquifers

Kent O'Brien, PG, CEG, Hazen and Sawyer

Participants in this session will learn how recharging depleted aquifers using treated wastewater can be an important tool for managing water supply. Participants will learn testing methods to determine the suitability of a source water for injection and the importance of controlling the chemical stability of injected water to avoid well casing corrosion and aquifer plugging.

10:00 AM - 11:00 AM

Nevada Well Drilling Regulations

Jake Echeverria, Nevada Division of Water Resources

Participants in this session will learn about the Nevada well drilling regulations, as well as, demonstration



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Preliminary Technical Program

of the Nevada Division of Water Resources website, as it relates to well drilling.

11:00 AM - 11:30 AM

Water Quality Issues from Wells Screened over Multiple Aquifers

Larry Ernst, Wood Rodgers, Inc.

Participants in this session will learn about water quality issues from wells screened over multiple aquifers.

11:30 AM - 12:00 PM

Well Construction and Operation in the Era of California's Sustainable Groundwater Management Act

Robert J. Collar, Golden State Water Company

Participants in this session will learn how California's Sustainable Groundwater Management Act may influence construction and operation of water-supply wells. While the act is in the early stages of implementation, provisions within the water code may influence how wells are constructed and operated.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Thursday, October 26, 2017

Session 21A

8:00 AM - 8:30 AM

Selenium Removal in Groundwater and Industrial Discharge Wastewater

Lisa Farmen, Crystal Clear Technologies

Participants in this session will learn selenium removal from groundwater and industrial discharge waters with a complex matrix (high TDS) wastewater, such as refineries or power plants, can reach low ppb levels in water containing sulfates with no or minimal pre-treatment in a short contact time.

8:30 AM - 9:00 AM

Single Pass Resin for PFC Removal

Cathy Swanson, Evoqua Water Technologies Kirk Medina, Stratmoor Hills Water & Sanitation Districts

Evoqua joins forces with Stratmoor Hills Water & Sanitation Districts to tell the story of a new economical way to treat Perfluoroalkyl Substances (also known as PFAS or PFCs) with single pass perchlorate selective resin. Lab results, pilot testing, and full scale treatment have been performed with Dow PSR2 Plus.

9:00 AM - 9:30 AM

Full-Scale Treatment Performance and Cost Data for Removing Perfluorinated Compounds from Groundwater

Pierre Kwan, HDR

Participants in this session will learn the design and operational experience for treating a new type of contaminant.

Session 21B

10:00 AM - 10:30 AM

Foothill Water Treatment Plant Filter Improvements

Jaime Halter, City of Redding

Upgrading excising infrastructure to exceed today's standards and regulations.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Preliminary Technical Program

10:30 AM - 11:00 AM

The History of Turbidity Measurement and Calibration

Kevin Menning, Hach

Participants will learn about the different types of turbidimeter technologies and proper calibration and verification procedures.

11:00 AM - 11:30 AM

TTHM reduction strategies

Stuart Cole, City of Vallejo

What one water system did to reduce the formation of and minimize the impacts of THM's in their water.



CALIFORNIA - NEVADA SECTION. AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Thursday, October 26, 2017

Session 22

8:30 AM - 9:30 AM

Stormwater Treatment with Clean Green Sustainable Technology

Lisa Farmen, Clean Water Technology, LLC

Meeting stormwater discharge standards for low ppb removal levels of TSS, O&G, metals and bacteria can be readily and economically achieved using fully certified clean green sustainable technology. The Pacific NW set the standards nationally for stormwater discharge compliance and now this technology can readily be commercialized.

10:00 AM - 11:00 AM

A Multifaceted Approach to Complying with California's General NPDES permit for Drinking Water Discharges

Casey Claborn, San Jose Water Company

Participants in this session will learn how San Jose Water Company

developed both administrative tools and technical improvements to ensure compliance with California's General NPDES permit for Drinking Water Discharges

11:00 AM - 12:00 PM

Complying with the Statewide NPDES Permit for Drinking Water Discharges - Lessons Learned in 2016

Neil McQueen, McQueen Environmental Consulting

Participants will learn about the challenges experienced and lessons learned in 2016 by a utility doing its best to comply with the Statewide NPDES Permit for Drinking Water System Discharges.



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Preliminary Technical Program

Thursday, October 26, 2017

Session 23

8:00 AM - 8:30 AM

24" Diameter Sliplining: Lessons Learned

Todd Eising, Utilities Section Manager, City of Folsom

The participants will hear from the City, design, and construction management team regarding the design and construction lessons learned related to sliplining and rehabilitation of an existing raw water 30", 42" and 48" diameter mortar lined and coated welded steel pipe.

8:30 AM - 9:00 AM

How to Realize a Cost-Effective Repair Solution using Carbon Fiber Reinforced Polymers on Pressure Pipes

Scott F. Arnold, PE, Fyfe Co. LLC

Participants in this session will learn about the design and installation requirements for the use of carbon reinforced polymers as a stand-alone or composite structural repair for pressure pipes. This includes a breakdown of current design standards, construction techniques, and quality control procedures. An emphasis will be placed on identifying the specific project parameters that make an advanced composite solution the most cost-effective choice.

9:00 AM - 9:30 AM

How Al and Big Data Will Solve America's \$1 Trillion Water Problem

Takashi Kato, HiBot USA, Inc.

Water main replacement is a \$1 trillion problem, with no effective method to prioritize replacement decisions. HiBot changes that. Its proprietary solution integrates decades of research with sophisticated big data and artificial intelligence software to accurately assess pipeline conditions, identify patterns, predict problems and offer pipe replacement recommendations.

10:30 AM - 11:00 AM



CALIFORNIA - NEVADA SECTION, AWWA ANNUAL FALL CONFERENCE 2017

OCTOBER 23 - 26, 2017 • RENO, NV ATLANTIS RESORT & RENO CONVENTION CENTER



Lake Tahoe Steel Water Main Replacement via Pipe Bursting

Mike LeFrancois, Incline Village General Improvement District

Participants will learn about water main distribution included pipe bursting (splitting) existing 6- and 8-inch steel water mains and replacing with new 8-inch Fusible C900 PVC pipe

11:00 AM - 11:30 AM

CIPP of Cast Iron Mains in Los Angeles

Alvin Bautista, Los Angeles Department of Water and Power Participants will learn about LADWPs pilot project where they used CIPP to renewal cast iron distribution mains.

11:30 AM - 12:00 PM

Existing Regulations Related to Pipe Bursting Asbestos Cement Pipe

Edward Amble, PE, LEED AP, AM Trenchless, Vice President

Learn about existing regulations that govern and risks associated with asbestos cement pipe handling. Gain a better understanding of long term performance and condition assessment of asbestos cement pipe. Learn about how to rehabilitate asbestos cement pipe through pipe bursting.



Attendee Registration Form

Annual Fall Conference 2017 October 23 - 26 · Reno, NV

ATLANTIS RESORT & RENO CONVENTION CENTER

I am a speaker at this conference. Date	Time _		III II WAANAAN AANAA					
Attendee Name	y.							
Title Company								
Address								
Phone Cell								
Attendee Email AWWA Member #								
Type of Membership (check one)IndividualOrganizationOperator/AdminUtility								
Complimentary Spouse/Guest (If attending) *Household members only. Does not include Water Industry Personnel								
Member Registration	Early On or Before 8/25/17	PRE On or Before 10/13/17	Onsite After 10/13/17	Subtotals	Lunches If not included with registration fee			
FULL REGISTRATION: Includes All Technical sessions, Keynote Lunch & Exhibitor Hosted Lunch & Exhibit Hall Entrance	\$445	\$495	\$545		Keynote Lunch \$50			
Tuesday One-Day : Includes Keynote Lunch & Exhibit Hall Entrance	\$225	\$275	\$315	\$	Exhibitor Hosted Lunch \$50 Subtotal \$			
Wednesday One-Day : Includes Exhibitor Hosted Lunch & Exhibit Hall Entrance	\$225	\$275	\$315	\$	Subtotal \$			
☐ EDUCATION PACKAGE Wednesday/Thursday Includes Technical Sessions & Exhibit Hall Entrance	\$225 NO MEALS	\$275 NO MEALS	\$315 NO MEALS	\$	SPECIAL EVENTS			
☐ Thursday One-Day Includes Technical Sessions	\$149	\$149	\$149	\$	☐ Tues. Technical Tour \$55.00			
STUDENT - Must be full time Student/AWWA Student Member RETIREE REGISTRATION - Must be: 1) Retired from all gainful employment. 2) A member of AWWA for at least 15 years. 3) At least 60 years of age.	FREE NO MEALS	FREE NO MEALS	FREE NO MEALS	\$ FREE	Wed. Technical Tour \$55,00			
Non Member Registration	Early On or Before 8/25/17	PRE On or Before 10/13/17	Onsite After 10/13/17	Subtotals	Subtotal \$ CONTACT HOURS			
FULL REGISTRATION: Includes all technical sessions, Keynote Lunch & Exhibitor Hosted Lunch & Exhibit Hall Entrance	\$495	\$545	\$595	\$	☐ FREE (I am an individual, operator			
Tuesday One-Day : Includes Keynote Lunch & Exhibit Hall Entrance	\$275	\$325	\$375	\$	or administrative AWWA member)			
Wednesday One-Day: Includes Exhibitor Hosted Lunch & Exhibit Hall Entrance	\$275	\$325	\$375	\$	\$20.00 (My utility/organization is an			
☐ EDUCATION PACKAGE Wednesday/Thursday Includes Technical Sessions & Exhibit Hall Entrance	\$275 NO MEALS	\$325 NO MEALS	\$375 NO MEALS	\$	AWWA member or I am not an AWWA member)			
☐ Thursday One-Day Includes Technical Sessions	\$149	\$149	\$149	\$				
PAYMENT METHOD			PAYMENT II	VFORMATIO	N			
Check #Payable to CA-NV AWWA (U.S. funds)			Registration Total: Special Events Total:					
20.4			Contact Hours:					
Must be accompanied by a physical copy of the PO Credit Card: □ Visa □ □ MC □ AMEX					Total Amount ode.			
Card No.:			Refund requests must be submitted in writing to the Section office by September 1, 2017. A \$50 administrative fee will be deducted from all					
Exp. Date:		refunds. No Refunds Granted after October 2, 2017. By submitting this form, you are consenting to having your photo taken at the event which may be used for future Section promotions. To opt-out email info@ca-nv-awwa.org. CA-NV AWWA: 10435 Ashford Street, 2nd Floor Rancho Cucamonga, CA 91730 Phone: (909) 481-7200 Fax: (909) 291-2107 www.ca-nv-awwa.org						
Name on Card:								
Authorized Signature:								
Must be Zip Code in which your credit card statement is mailed For copy of receipt, please write email address:	-							

Sign In Create Account Cart



ABOUT THE SECTION EVENTS & CLASSES MEMBERSHIP CERTIFICATION ADVOCACY COMMUNICATIONS WATER LO

Discover what Reno has to offer!

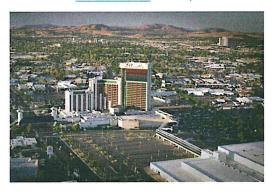
We are so excited to return to the Silver State. Reno has grown and expanded since the Section was last there. Below are some videos to help you plan your trip Reno, NV. When you're ready, click on the Hotel link to book your room. But don't wait too long, the deadline for room reservations is September 2017.

Hotel Information

Book your room here.



Join us at the Atlantis Resort in Reno, NV.



Experience Reno

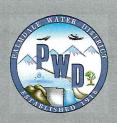


Activities



Home

Contact Us (909) 481-7200 10435 Ashford St. 2nd Floor Rancho Cucamonga, CA 91730 info@ca-nv-awwa.org



Hotel and Travel Accommodations

Event Name/Date:

First Name	Last Name	Date
ACCOMMODATION	INFORMATION	
Doome and nates are subject	ot to availability. Complete an	nd cubmit this form as soon as nossib
		nd submit this form as soon as possib host hotel is booked, every effort will
		able rates to the event discounted rate
made to seedie a room at ti		
That to seed to a room at a		
		sts Room Type
	arture Date No. of gues	ests Room Type
Arrival Date Depa	arture Date No. of gues	ests Room Type
Arrival Date Depa Do you require a smoking re	arture Date No. of gues	sts Room Type
Arrival Date Depa	arture Date No. of gues	sts Room Type
Arrival Date Depa Do you require a smoking re	arture Date No. of gues	ests Room Type
Arrival Date Depa Do you require a smoking re	arture Date No. of gues	
Arrival Date Depa Do you require a smoking re Yes No Do you need transporta	orture Date No. of gues	
Arrival Date Depa Do you require a smoking re Yes No Do you need transporta Yes No	orture Date No. of gues	
Arrival Date Depa Do you require a smoking re Yes No Do you need transporta Yes No	oom? tion from the airport to the	
Arrival Date Depa Do you require a smoking re Yes No Do you need transporta	oom? tion from the airport to the	
Arrival Date Depa Do you require a smoking re Yes No Do you need transporta Yes No	tion from the airport to the	

Instructor-Led

ArcGIS for Server: Site Configuration and Administration

3 Days (24 Hours)

Wish List

Attend for \$1,695

Register

This course applies to ArcGIS 10.2, 10.3, and 10.4. Esri will provide **ArcGIS 10.3** for use during class.

Get Up and Running Quickly

Learn how to plan, configure, deploy, and manage an ArcGIS for Server system, that enables GIS content sharing across your enterprise. You will explore the ArcGIS for Server architecture and practice applying recommended workflows to configure ArcGIS Server sites and manage GIS services, applications, and users. Techniques and best practices to ensure system performance and security are emphasized.

Who is this course for?



System Administrators



Web Administrators

Goals



Integrate your ArcGIS Server with a web server.



Plan, create, and update a cache for map and image services.



Tune and monitor services to ensure high performance.



Implement security for your site and services.



Open Download Table of Contents

Upcoming Classes

Date & Time

Location

Course Registration

ArcGIS for Server: Site Configuration and Administration

Class ID E 50144708

Date & Time	Location	Status	
December 11 - 13, 2017 8:30 AM - 5:00 PM	Broomfield, CO	Seats Available	Change Selection

Total: \$1,695.00 (per seat)

Sign in to register

Sign In

Tips to help you register

- 1 Sign in or create an Esri ID.
 - If you are registering for someone else, you will need their first and last name, email address, and phone number.
 - Your organization's address, billing address, and intended payment method. You will not be billed until the class is confirmed.

ArcGIS® for Server: Site Configuration and Administration

Student Edition

Copyright © 2015 Esri All rights reserved.

Course version 3.0. Version release date January 2015.

Printed in the United States of America.

The information contained in this document is the exclusive property of Esri. This work is protected under United States copyright law and other international copyright treaties and conventions. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, or by any information storage or retrieval system, except as expressly permitted in writing by Esri. All requests should be sent to Attention: Contracts and Legal Services Manager, Esri, 380 New York Street, Redlands, CA 92373-8100 USA.

EXPORT NOTICE: Use of these Materials is subject to U.S. export control laws and regulations including the U.S. Department of Commerce Export Administration Regulations (EAR). Diversion of these Materials contrary to U.S. law is prohibited.

The information contained in this document is subject to change without notice.

US Government Restricted/Limited Rights

Any software, documentation, and/or data delivered hereunder is subject to the terms of the License Agreement. The commercial license rights in the License Agreement strictly govern Licensee's use, reproduction, or disclosure of the software, data, and documentation. In no event shall the US Government acquire greater than RESTRICTED/LIMITED RIGHTS. At a minimum, use, duplication, or disclosure by the US Government is subject to restrictions as set forth in FAR §52.227-14 Alternates I, II, and III (DEC 2007); FAR §52.227-19(b) (DEC 2007) and/or FAR §12.211/12.212 (Commercial Technical Data/Computer Software); and DFARS §252.227-7015 (DEC 2011) (Technical Data-Commercial Items) and/or DFARS §227.7202 (Commercial Computer Software and Commercial Computer Software Documentation), as applicable. Contractor/Manufacturer is Esri, 380 New York Street, Redlands, CA 92373-8100, USA.

@esri.com, 3D Analyst, ACORN, Address Coder, ADF, AML, ArcAtlas, ArcCAD, ArcCatalog, ArcCOGO, ArcData, ArcDoc, ArcEdit, ArcEditor, ArcEurope, ArcExplorer, ArcExpress, ArcGIS, ArcGlobe, ArcGrid, ArcIMS, ARC/INFO, ArcInfo, ArcInfo Librarian, ArcLessons, ArcLocation, ArcLogistics, ArcMap, ArcNetwork, ArcNews, ArcObjects, ArcOpen, ArcPad, ArcPlot, ArcPress, ArcPy, ArcReader, ArcScan, ArcScene, ArcSchool, ArcScripts, ArcSDE, ArcSdI, ArcSketch, ArcStorm, ArcSurvey, ArcTIN, ArcToolbox, ArcTools, ArcUSA, ArcUser, ArcView, ArcVoyager, ArcWatch, ArcWeb, ArcWorld, ArcXML, Atlas GIS, AtlasWare, Avenue, BAO, Business Analyst, Business Analyst Online, BusinessMAP, CityEngine, CommunityInfo, Database Integrator, DBI Kit, EDN, Esri, Esri—Team GIS, Esri—The GIS Company, Esri—The GIS People, Esri—The GIS Software Leader, FormEdit, GeoCollector, Geographic Design System, Geography Matters, Geography Network, GIS by Esri, GIS Day, GIS for Everyone, GISData Server, JTX, Maplt, Maplex, MapObjects, MapStudio, ModelBuilder, MOLE, MPS—Atlas, PLTS, Rent-a-Tech, SDE, SML, Sourcebook America, SpatiaLABS, Spatial Database Engine, StreetMap, Tapestry, the ARC/INFO logo, the ArcGIS logo, the ArcGIS Explorer logo, the ArcPad logo, the Esri globe logo, the Esri Press logo, the GIS Day logo, the MapIt logo, The Geographic Advantage, The Geographic Approach, The World's Leading Desktop GIS, Water Writes, www.arcgis.com, www.gsri.com, www.geographynetwork.com, www.gis.com, www.gisday.com, and Your Personal Geographic Information System are trademarks, service marks, or registered marks in the United States, the European Community, or certain other jurisdictions. CityEngine is a registered trademark of Procedural AG and is distributed under license by Esri.

Other companies and products or services mentioned herein may be trademarks, service marks or registered marks of their respective mark owners.

Course introduction

Introduction
Course goals
Additional resources
Installing the course data
Icons used in this workbook
Understanding the ArcGIS Platform

1 Planning an ArcGIS Server site

Lesson introduction
Web GIS
ArcGIS Server and web services
Accessing GIS services
GIS services and apps
Web GIS implementation
On-your-own-infrastructure implementation
Cloud implementation
Hybrid implementation
Choose a platform
ArcGIS Server editions
Lesson review

2 Implementing an ArcGIS Server site

Lesson introduction Workflow: Administering ArcGIS Server ArcGIS Server installation System requirements Exercise system

Exercise 2A: Install ArcGIS Server
Start exercise system VMs
Install ArcGIS Server

Explore the ArcGIS Server installation

ArcGIS Server site architecture

Administrative tools

Exercise 2B: Create an ArcGIS Server site

Create the site

Explore the ArcGIS Server Manager

Explore the ArcGIS Server Administrator Directory

Lesson review

3 Controlling access to ArcGIS Server

Lesson introduction

ArcGIS Server role types

Granting privileges

Defining roles

Users/roles from ArcGIS Server's built-in store

Users/roles from an existing enterprise system

Existing user store with built-in role store

Disable primary site administrator account

Exercise 3: Control access to your ArcGIS Server site

Configure ArcGIS Server's security store

Test user credentials

Disable the primary site administrator account

Lesson review

4 Integrating a web server

Lesson introduction

The ArcGIS Web Adaptor

Configuring the Web Adaptor

Exercise system

Exercise 4: Install and configure the Web Adaptor

Install the Web Adaptor

Configure the Web Adaptor

Test the Web Adaptor

Install and configure an administrative Web Adaptor

Production system

Lesson review

5 Managing service resources

Lesson introduction

What is a resource?

Copy resources or register them?

Copying resources to the ArcGIS Server site

Copying data to a managed geodatabase

Registering resources with ArcGIS Server

Make resources accessible

Grant the ArcGIS Server account access

Exercise 5A: Managing service resources

Set up a multiuser geodatabase

Configure data accessibility

Configure geodatabase privileges

Register a location in the data store

Step 3: Register a location with a separate server path in the data store

Choose a data registration method
Synchronizing publisher and server data
Updating services
Exercise 5B: Configuring the data store
Register data stores
Disable copy to server option
Production system
Lesson review

6 Configuring service capabilities

Lesson introduction
Service capabilities
Choose the appropriate capability
Exercise 6: Configure feature editing
Plan your service
Prepare the data
Publish and configure a service
Deploy and test a web editing application
Lesson review

7 Tuning services and troubleshooting errors

Lesson introduction
Altering service properties
Tuning services
Viewing ArcGIS Server logs
Exercise 7: Explore ArcGIS Server statistics and logs
Explore service statistics
Explore ArcGIS Server logs
Lesson review

8 Creating and updating caches

Lesson introduction
What is a cache?
Building a map cache
Allocating resources to caching
Tools for managing caches
Workflow: Updating caches
Exercise 8: Update a cache
Tune the CachingTools service
Publish a basemap service
Use a script to build a cache
Schedule cache updates

Lesson review

9 Securing services

Lesson introduction

Authentication and authorization

ArcGIS Server authentication

Tokens

Exercise 9A: Securing services

Restrict access to a service

Configure ownership-based access control

(Optional) Configure private feature access

Web server authentication

Choose an authentication method

Exercise 9B: Configure web-tier authentication

Configure a site authentication tier

Configure browser access settings

Test web-tier authentication

Lesson review

10 Securing the ArcGIS Server site

Lesson introduction

Securing server files

Firewalls

HTTPS communication

How will you secure your site?

Exercise 10: Securing an ArcGIS Server site

Secure site directories

Enable HTTPS communication

Disable HTTP communication

Lesson review

11 Site backup and recovery

Lesson introduction

Backup and recovery

Exercise 11: Exercise

Prepare a backup location

Back up the site

Modify the site

Restore the site

Restore site configuration

Lesson review

12 Building multinode sites

Lesson introduction

Scaling ArcGIS Server

High availability

Add a machine to the site

ArcGIS Server licensing

Clusters

Exercise system

Exercise 12: Add a machine to the site

Start the GIS server

Prepare the site for a multinode configuration

Add a GIS server to the site

Production system

Lesson review

13 Implementing ArcGIS Server

Lesson introduction

Workflow: Administering ArcGIS Server

Create a to-do list Lesson review

Appendixes

Appendix A: Esri data license agreement

Appendix B: Answers to lesson review questions

Lesson 1: Planning an ArcGIS Server site

Lesson 2: Implementing an ArcGIS Server site

Lesson 3: Controlling access to ArcGIS Server

Lesson 4: Integrating a web server

Lesson 5: Managing service resources

Lesson 6: Configuring service capabilities

Lesson 7: Tuning services and troubleshooting errors

Lesson 8: Creating and updating caches

Lesson 9: Securing services

Lesson 10: Securing the ArcGIS Server site

Lesson 11: Site backup and recovery

Lesson 12: Building multinode sites

Lesson 13: Implementing ArcGIS Server

MINUTES OF MEETING OF THE FACILITIES COMMITTEE OF THE PALMDALE WATER DISTRICT, MARCH 27, 2017:

A meeting of the Facilities Committee of the Palmdale Water District was held Monday, March 27, 2017, at 2029 East Avenue Q, Palmdale, California, in the Board Room of the District office. Chair Dino called the meeting to order at 2:04 p.m.

1) Roll Call.

Attendance:

Facilities Committee: Vincent Dino, Chair Joe Estes, Committee Member

Others Present:

Matt Knudson, Assistant General Manager Mike Williams, Finance Manager

Tim Moore, Facilities Manager

Tara Peuse, Customer Care Supervisor

Curtis Cobb, Plant Operator III Kathy Mac Laren, PWD Director Dawn Deans, Executive Assistant

0 members of the public

2) Adoption of Agenda.

It was moved by Committee Member Estes, seconded by Chair Dino, and unanimously carried by all members of the Committee present at the meeting to adopt the agenda, as written.

3) Public Comments.

There were no public comments.

4) Action Items:

4.1) Consideration and Possible Action on Approval of Minutes of Regular Meeting Held June 13, 2016.

It was moved by Committee Member Estes, seconded by Chair Dino, and unanimously carried by all members of the Committee present at the meeting to approve the minutes of the Facilities Committee meeting held June 13, 2016, as written.

4.2) Consideration and Possible Action on Purchase of Forklift. (\$19,000.00 – Non-Budgeted – Facilities Manager Moore)

Finance Manager Moore provided an overview of the forklift proposed for purchase, and after a brief discussion of rental and repair costs, it was moved by Committee Member Estes, seconded by Chair Dino, and unanimously carried by all members of the Committee present at the meeting to approve the purchase of a used forklift in the not-to-exceed amount of \$19,000.00.

4.3) Consideration and Possible Action on Remodel of Front Lobby. (\$10,000.00 – Budgeted – Customer Care Supervisor Peuse)

Customer Care Supervisor Peuse provided an overview of the front lobby remodel, and after a brief discussion of the proposed upgrades, it was moved by Committee Member Estes, seconded by Chair Dino, and unanimously carried by all members of the Committee present at the meeting to approve the remodel of the front lobby in the not-to-exceed amount of \$10,000.00.

4.4) Consideration and Possible Action on Award of Contract for the Remodeling and Necessary Upgrades to the Relocated Leslie O. Carter Water Treatment Plant Control Room Under Work Order No. 17-603. (\$19,708.00 – Budgeted – Project Manager Thompson)

Assistant General Manager Knudson provided an overview of the remodeling of the Leslie O. Carter Water Treatment Plant Control Room, and after a brief discussion of the relocation of the control room, proposed upgrades, proposed use of the lobby area, and the bids received, it was moved by Committee Member Estes, seconded by Chair Dino, and unanimously carried by all members of the Committee present at the meeting to award a contract for the remodeling and necessary upgrades to the relocated Leslie O. Carter Water Treatment Plant Control Room under Work Order No. 17-603 to Kuhnhofer Builders, Inc. in the not-to-exceed amount of \$19,708.00.

5) Information Items.

5.1) Other.

There were no additional information items.

6) Board Members' Requests for Future Agenda Items.

Committee Member Estes inquired about charging stations after which Assistant General Manager Knudson stated that staff continues to monitor grant opportunities for charging stations.

There were no requests for future agenda items.

7) Adjournment.

There being no further business to come before the Facilities Committee, the meeting was adjourned at 2:22 p.m.

Chair

PALMDALE WATER DISTRICT BOARD MEMORANDUM

DATE: September 19, 2017 **September 27, 2017**

TO: BOARD OF DIRECTORS Board Meeting

FROM: Mr. Dennis D. LaMoreaux, General Manager

RE: AGENDA ITEM NO. 8.2.a – September, 2017 General Manager Report

The following is the September report to the Board of activities through August, 2017. It is organized to follow the District's six strategic initiatives adopted in 2016 & 2017 and is intended to provide a general update on the month's activities. A summary of the initiatives is as follows:



Water Resource Reliability

2015 Urban Water Management Plan, drought response Palmdale Regional Groundwater Recharge & Recovery Project Littlerock Reservoir Sediment Removal Project Recycled water allocation and use



Organizational Excellence

Maintain formal management/supervisor training and development program Maintain competitive compensation and benefits package Employee wellness program; Succession planning Board/staff events to develop innovative ideas and awards



Systems Efficiency

Water system Master Plan update and related EIR Reinvestment in aging infrastructure Investment, implementation, and training plan for new technology Computerized maintenance management software (CMMS)



Financial Health and Stability

Pursue Federal and State funding opportunities Sustainable and balanced rate structure Maintain adequate reserve levels Maintain high level bond rating



Regional Leadership

Create a regional best practices Antelope Valley partnership Enhance community partnerships and expand school programs in water education Emphasize the importance and long history of the District as a community asset Continue to evaluate District internship needs



Customer Care and Advocacy

Customer Care accessibility through automation
Evaluate, develop, and market additional payment options
Improve customer account management tools
Enhance customer experience through assessment of infrastructure, processes, and policies to maximize the customer care experience

This report also includes charts that show the effects of the District's efforts in several areas. They are organized within each strategic initiative and include status of upcoming State Water Resources Control Board's (SWRCB) long-term conservation orders, 20 x 2020 status, the District's total per capita water use trends, 2017 water production and customer use graph, mainline leaks, and the water loss trends for both 12 and 24 month running averages.



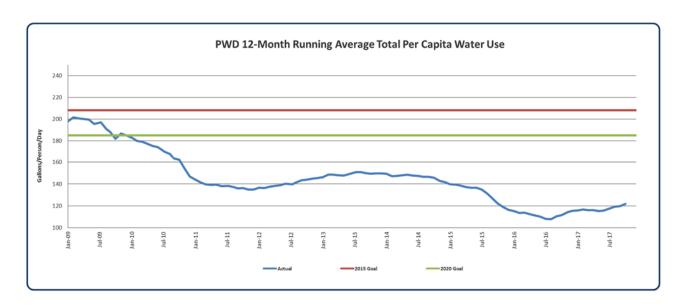
Water Resource Reliability

This initiative includes conservation efforts, water supply projects, and water planning. Recent highlights are as follows:

State Water Resources Control Board (SWRCB) Activities

The SWRCB is anticipated to replace the 20 x 2020 per capita reduction goals passed by the legislature in 2009 with new long-term water budgeting requirements. These are explained in the "Making Water Conservation a California Way of Life" plan. The bills that would establish this are now two-year bills. ACWA's position remains opposed unless amended. More discussion is expected on these early next year.

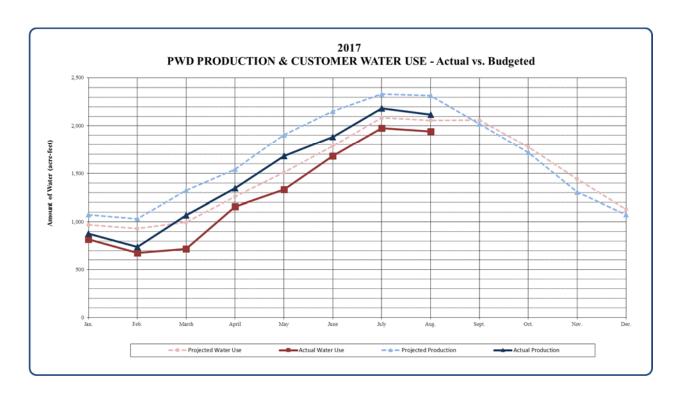
The District's compliance with the 20 x 2020 law is evident from the chart titled "PWD 12-Month Running Average Total Per Capita Water Use.":

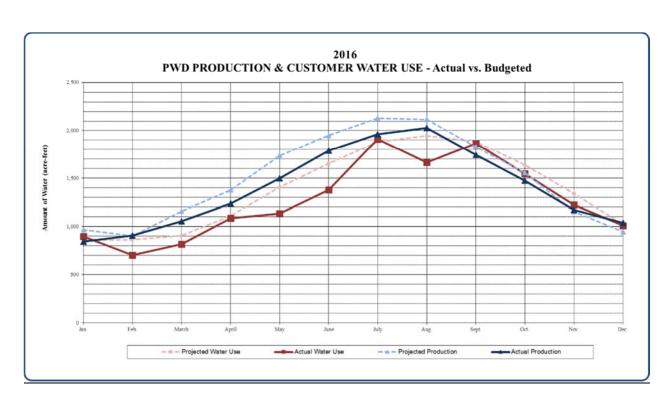


The District's customers have cut their water use by **47.2%** from the baseline number of 231 and met the 2020 Goal in early 2010. The current Total-GPCD is 122.

Water Supply Information

- The staff has planned water resources for 2017 based on the current State Water Project allocation of 85%. This year's water production relies heavily on the SWP and reduced groundwater pumping. This strategy has resulted in increased groundwater levels at District well sites.
- The local water supply is also much better than in recent years. Littlerock Dam spilled for the first time in years. The District began transferring water to Palmdale Lake in April, 2017 for the first time since 2015. After lowering the water level several feet, Littlerock Reservoir was shutoff in May to take advantage of this year's SWP supply. Littlerock's use will be re-evaluated later this year.
- Water and Energy Resources staff prepared a plan for 2017 that incorporates available water with the anticipated water usage. The following graph shows actual amounts through August and monthly projections for both production and consumption, based on the prior five years of actual monthly information, for the entire year. It is anticipated that this year's consumption and production pattern will continue to move back into a morenormal pattern. The 2016 chart is added in this report for comparison.





Other Items

■ The Littlerock Reservoir Sediment Removal Project Environmental Impact Report/Environmental Impact Statement (EIR/EIS) is fully approved. The USFS signed the Record of Decision for NEPA in June. Work is now underway with the various regulatory agencies to obtain permits.

The future steps for implementing this Project start with finalizing the grade control structure design. A contract amendment for Aspen to design the grade control structure was approved by the Board in May. Once the design is complete and permits are obtained, construction estimates will be made, financing options evaluated and implemented, the grade control structure contract can be bid, and construction tentatively scheduled to begin in late summer of 2018.

- The public review of the Draft California Environmental Quality Act (CEQA) EIR for the Palmdale Regional Groundwater Recharge and Recovery Project is complete. The Final EIR was certified by the Board on July 13, 2016, and the Notice of Determination was filed on July 14, 2016. The comments from the SWRCB Recycled Water Division on the Title 22 Engineering Report were addressed and returned for further review. Construction of monitoring wells and a pilot recharge basin was awarded and the contractor is nearly ready to begin the work.
- California Water Fix: There have been recent regulatory approvals moving this project forward. The State Water Contractors and the Department of Water Resources are continuing discussions about the Project's financing and operations. These discussions will result in a clearer picture of the effect on individual contractors. Staff is directly involved in these discussions and will be able to update the Board in the future.

The Board may be aware of an analysis by Metropolitan Water District that was recently featured in the newspaper. It looks at potential effects of the Project on its customers. It is useful in a general sense to look at the Project's impact, but the conclusions cannot be directly translated to our customers.



Organizational Excellence

This initiative includes efforts to restructure staff duties and activities to more efficiently provide service to our customers. Recent highlights are as follows:

The electronic time keeping software is now being used by staff.

- The 2016/2017 Strategic Plan Update is posted in the board room posters and brochure are now complete. A Spanish translation has been printed and is also posted in the Board room. The recently adopted principles for conducting meetings are also posted in the Board room in both English and Spanish.
- An interpreter is provided upon request for public comments at regular Board meetings as an interim policy being in May, 2016. The Board adopted this policy at the March 8, 2017 meeting.
- The District is working with other members of the Public Water Agencies Group to hire and share the services of an Emergency Preparedness Coordinator. The MOU was approved by the Board and the action of other agencies is complete. An initial meeting is scheduled in early October to discuss the recruitment process.
- 2018 Strategic Plan Update: Staff and directors are meeting to discuss updates to the current Plan. The Mathis Group is also prepared to meet with directors to develop ideas. A Mathis Group facilitated workshop will be scheduled later this fall for the Board to discuss the ideas and formulate the 2018 Strategic Plan Update.
- A new logo for the District is being developed by staff and a consultant as part of the 100-year anniversary. Final versions of the new logo are planned for the Board's consideration at the October 11, 2017 Board meeting.

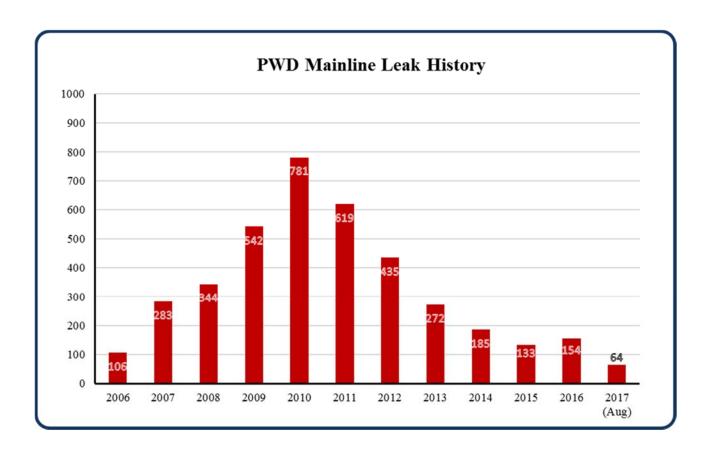


Systems Efficiency

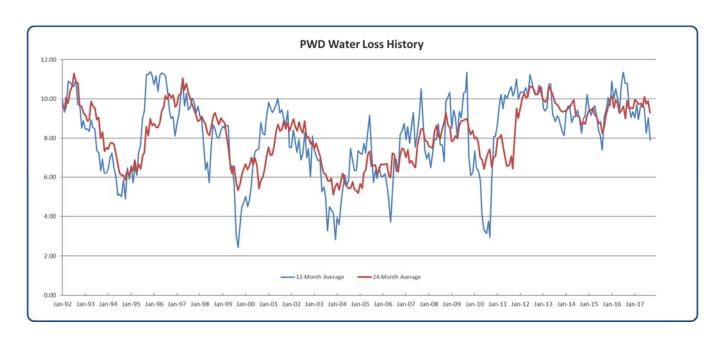
This initiative largely focuses on the state of the District's infrastructure. Recent highlights are as follows:

- Installation of security upgrades for the Leslie O. Carter Water Treatment Plant is operational and final items are being completed.
- New water main replacement projects will be completed within the funds available in the 2017 Budget to continue the District's efforts to maintain the water system. The effects of the District's past efforts in replacing failing water mains can be seen in the reduced number of mainline leaks. This is illustrated in the chart titled "Mainline Leak History." The total for 2016 was slightly above, 154 vs. 133, the numbers for 2015. The 2016 service line leaks remained fairly constant at 89. While this is a vast improvement from

2010's number of 781 mainline leaks, replacement work must continue. The mainline leaks through August, 2017 are 64 and service lines 59.



- The budgeted meter replacement project of approximately 3,300 meters is complete.
- Facilities staff is adding to its maintenance activities to incorporate pressure reducing valves and other facilities as their efforts can continue to be more preventative due to a lower number of emergency repairs. A detailed presentation was given to the Board on September 13, 2017 explaining the importance of these activities.
- District staff is preparing for the next water main replacement on Camares Drive south of Barrel Springs Road.
- The positive effect of both water main and water meter replacement programs is shown on the chart titled "PWD Water Loss History."





Financial Health and Stability

Engineering staff has successfully applied for planning grant funding for the Palmdale Regional Groundwater Recharge and Recovery Project and for the Phase II pipeline for the Palmdale Recycled Water Authority. Application packages for further funding have been determined to be complete by the State. A comment letter was also submitted to raise the priority of both projects in the State's funding plan for 2017/2018.

The State is reviewing a draft resolution related to the PRWA Phase II funding application for compliance with their repayment requirements. Once approved, the City of Palmdale will provide a similar resolution.

- Water rate changes of 4.25% for 2017, 2018, and 2019 were approved at a Board meeting held November 9, 2016. The resolution is also unique in that it included criteria that, if met, would allow for lesser changes.
- Staff is working with the approved Holman Capital on a technology lease agreement to fund \$830,000 in projects. The low interest rate of 2.78% and ability to fund additional repair and replacement projects make this a prudent action.
- Engineering/Grant Manager Riley has worked with the Bureau of Reclamation for the acceptance of a Feasibility Report for the Palmdale Regional Groundwater Recharge and Recovery Project and having it eligible for funding. Mr. Riley and I visited the Bureau in Denver to discuss future funding opportunities. The Bureau staff was very receptive to

the project. Our project is one of 30 from across the country that is eligible to compete for a portion of \$10M in this year's Federal budget due to the approved Feasibility Report. This competition was recently announced with an application deadline of August 17, 2017. The Board approved a contract with Kennedy/Jenks to help prepare the application and it was submitted on time. We are now waiting to see the Bureau's response.

- Work began on the 2018 Budget. A timeline for developing and adopting the Budget was presented to the Finance Committee. The first draft will be presented to the Finance Committee at the September 25, 2017 meeting.
- Cash-for-Grass Program: The District received for a \$75,000 Grant from the Bureau of Reclamation to assist in funding the Cash for Grass Program. A status report on this year's will be given in October. Staff will also propose changes to the Program for the Board's consideration. If approved, the changes would be effective on January 1, 2018 along with the 2018 Budget.



Regional Leadership

This initiative includes efforts to involve the community, be involved in regional activities, and be a resource for other agencies in the area. Recent highlights are as follows:

- Activities of the Palmdale Recycled Water Authority (PRWA) and Antelope Valley State Water Contractors Association have continued.
- The District staff continues to be active in the Antelope Valley Watermaster Board (AVWB) and related meetings.
- District staff is active in the local chambers and is on the board of the Palmdale Chamber and GAVEA.
- Staff developed a plan and budget for a year-long celebration of the District's 100th Anniversary in July, 2018 that was approved by the Board on July 12, 2017. The activities will be announced at this meeting. The first events of an Open House on August 5th and the AV Fair parade and office decorating contest were successful. The first public tour of Littlerock Dam and the Leslie O. Carter Water Treatment Plant is scheduled for Thursday, September 21, 2017.

Historic displays are in the District lobby and at the Palmdale City Library. These are changed monthly to reflect a new decade as we move closer to the 100th Anniversary on July 22, 2018.

 Staff will work with the Ad-Hoc Committee on a method to better communicate with and involve our customers in the District's activities.



Customer Care and Advocacy

This initiative includes efforts to better serve our customers. Recent highlights are as follows:

- The new lobby kiosk is continuing to give customers another choice for making a payment at the District office at a reduced cost from the initial kiosk. Financial staff is also testing the new IVR for use.
- The ability to make payments at 7-Eleven and Family Dollar Store is also continuing to grow.
- A plan to update and improve the front entrance and lobby was approved by the Facilities Committee in March and work is continuing. A rough kiosk is now installed in the lobby and is being adjusted for service. It will host service ticketing for customers, a directory of the office, and a display associated with the 100th Year celebration.
- Customer Care and Finance staff are now using TruePoint software in parallel with Starnik. The initial two weeks went relatively smoothly and with solid support from TruePoint.

Staff is continuing to recognize and correct transition issues that arise to minimize any effect on customers.