AGENDA
IRVINE RANCH WATER DISTRICT
FINANCE AND PERSONNEL COMMITTEE MEETING
TUESDAY, JUNE 5, 2018

CALL TO ORDER 2:00 p.m., Committee Room, Second Floor, District Office
15600 Sand Canyon Avenue, Irvine, California

ATTENDANCE Committee Chair: Peer Swan ____ Member: Steve LaMar ____

ALSO PRESENT				
	Paul Cook	____	Cheryl Clary	____
	Rob Jacobson	____	Christopher Smithson	____
	Tanja Fournier	____	Eileen Lin	____
	Kevin Burton	____	Jennifer Davis	____
	Jenny Roney	____	Tony Mossbarger	____
	Paul Weghorst	____	____	____
	Allen Shinbashi	____	____	____

COMMUNICATIONS

1. Notes: Clary
2. Public Comments
3. Determine the need to discuss and/or take action on item(s) introduced, which came to the attention of the District subsequent to the agenda being posted.
4. Determine which items may be approved without discussion.

INFORMATION

5. EMPLOYEE POPULATION AND TURNOVER STATUS REPORT – RAMOS / RONEY

Recommendation: Receive and file.

6. MONTHLY INVESTMENT AND DEBT REVIEW – DAVIS / FOURNIER / JACOBSON / CLARY

Recommendation: Receive and file.

7. QUARTERLY DEFERRED COMPENSATION PLAN AND FUND REVIEW – DAVIS / FOURNIER / JACOBSON / CLARY

Recommendation: Receive and file.

8. OPEB FUNDING UPDATE – LIN / CLARY

Staff will provide a verbal update regarding potential Fiscal Year 2017/18 funding of Other Post-Employment Benefits (OPEB).

ACTION

9. IRVINE LAKE AGREEMENT – WATER SALES AMENDMENT TERMS AND CONDITIONS APPROVAL – SMITHSON / CLARY

   Recommendation: That the Board authorized the General Manager to work with IRWD Legal Counsel and the Irvine Company to develop and execute an amendment to the 1974 Irvine Lake Agreement, based on the attached Terms and Conditions, pertaining to the application of revenue from native water sales to Improvement District 153/253.

10. SAND CANYON PROFESSIONAL CENTER PHASE II DEVELOPMENT PROJECT – JACOBSON / CLARY

    Recommendation: That the Board approve an increase to the FY 2018/19 Capital Budget (Project No. 6210) in the amount of $3.5 million for a total project budget of $21.1 million and concur with staff's recommendation to proceed with the steps required to construct the Sand Canyon Professional Center Phase II project.

11. INFORMATION SERVICES PROFESSIONAL SERVICES SUPPORT CONTRACT RENEWALS – MOSSBARGER / CLARY

    Recommendation: That the Board authorize the General Manager to execute Professional Services Agreements for the period July 1, 2018 to June 30, 2019 with Infosys Ltd for $300,000 for managed support services and one-time projects; Outsource Technical for $225,000 for on-call programming, analysis, project management, and networking services; and Skoruz Technologies for $225,000 for on-call programming, analysis, and project management services.

12. FY 2018/19 OPERATING BUDGET VENDOR EXPENDITURE COMMITMENTS GREATER THAN $100,000 – AGUILAR/JACOBSON/CLARY

    Recommendation: That the Board approve the list of vendor commitments greater than $100,000 based on approved FY 2018/19 operating budget expenditures.

OTHER BUSINESS

13. Directors' Comments

14. Adjournment

Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the above-named Committee in connection with a matter subject to discussion or consideration at an open meeting of the Committee are available for public inspection in the District's office, 15600 Sand Canyon Avenue, Irvine, California ("District Office"). If such writings are distributed to members of the Committee less than 72 hours prior to the meeting, they will be available from the District Secretary of the District Office at the same time as they are distributed to Committee Members, except that if such writings are distributed one hour prior to, or during, the meeting, they will be available at the entrance of the meeting room at the District Office. The Irvine Ranch Water District Committee Room is wheelchair accessible. If you require any special disability-related accommodations (e.g., access to an amplified sound system, etc.), please contact the District Secretary at (949) 453-5300 during business hours at least seventy-two (72) hours prior to the scheduled meeting. This agenda can be obtained in an alternative format upon written request to the District Secretary at least seventy-two (72) hours prior to the scheduled meeting.

June 5, 2018
Prepared by: L. Srader
Submitted by: J. Roney
Approved by: Paul A. Cook

FINANCE AND PERSONNEL COMMITTEE

EMPLOYEE POPULATION AND TURNOVER STATUS REPORT

SUMMARY:

Staff has prepared various population and turnover reports for the Committee to review.

BACKGROUND:

The information attached as Exhibit "A" is a status report submitted monthly to the Committee for review.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

This item is not a project as defined in the California Environmental Quality Act (CEQA), Code of Regulations, Title 14, Chapter 3, Section 15378.

RECOMMENDATION:

Receive and file.

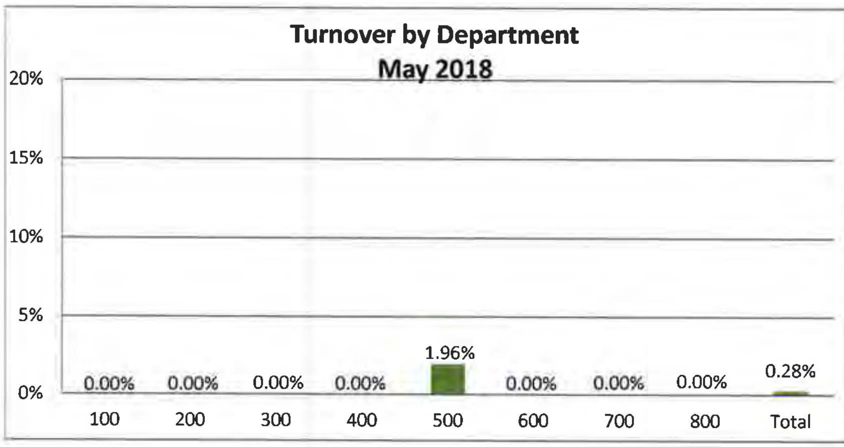
LISTS OF EXHIBITS:

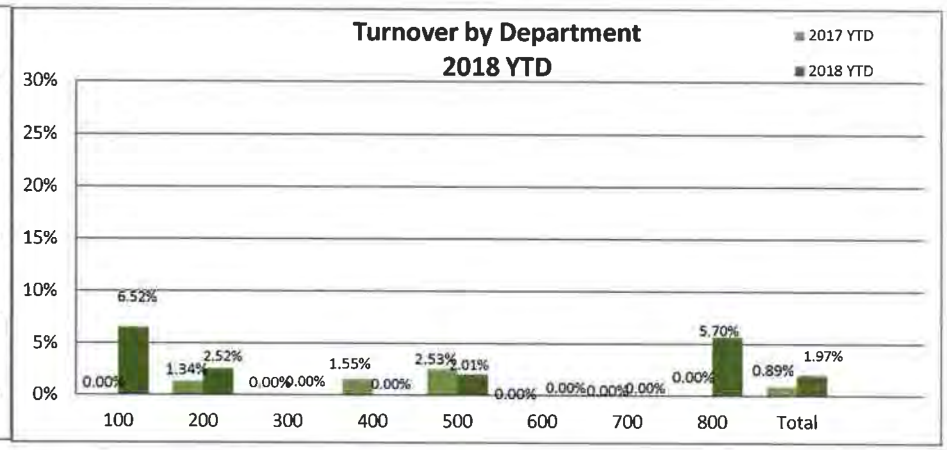
Exhibit "A" – Employee Population/Turnover Status Report

Exhibit "A"

IRVINE RANCH WATER DISTRICT
EMPLOYEE POPULATION STATUS REPORT
May 2018

	@05/01/18	Current Month Activity							@05/31/18		FY 17/18	Avg FYTD	Avg FYTD	Avg FYTD	Internal Turnover		External Turnover	
	Positions	New	Terms		Promo Trnsfr		Lateral Trnsfr		Positions	Positions	Budgeted	Filled Budget	Temp Emp	Total Filled	Current	2018	Current	2018
Dept No	Filled	Hires	Vol	Invol	In	Out	In	Out	Filled	Unfilled	Positions*	Positions	FTE	Positions	Period	YTD	Period	YTD
100	15.0								15.0	1	16.0	13.7	0.0	13.7	0.00%	0.00%	0.00%	6.58%
200	80.0								80.0	1	81.0	74.3	9.0	83.3	0.00%	0.00%	0.00%	2.52%
300	43.0								43.0	1	44.0	39.9	4.2	44.1	0.00%	0.00%	0.00%	0.00%
400	65.0								65.0	4	69.0	63.0	5.3	68.3	0.00%	0.00%	0.00%	0.00%
500	51.0		1						50.0	5	55.0	41.0	4.1	45.1	0.00%	0.00%	1.96%	3.98%
600	20.0								20.0	0	20.0	19.5	1.5	21.0	0.00%	0.00%	0.00%	0.00%
700	36.0								36.0	1	37.0	32.0	3.0	35.0	0.00%	0.00%	0.00%	0.00%
800	52.0	1							53.0	3	56.0	55.0	0.2	55.2	0.00%	0.00%	0.00%	7.60%
Totals	**362**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**362.0**	**16**	**378.0**	**338.4**	**27.3**	**365.7**	**0.00%**	**0.00%**	**0.28%**	**2.54%**
5/17	**347**	**1**	**3**	**0**	**0**	**0**	**0**	**0**	**345**	**20**	**368.00**	**338.40**	**23.98**	**362.4**	**0.00%**	**0.30%**	**0.86%**	**1.49%**



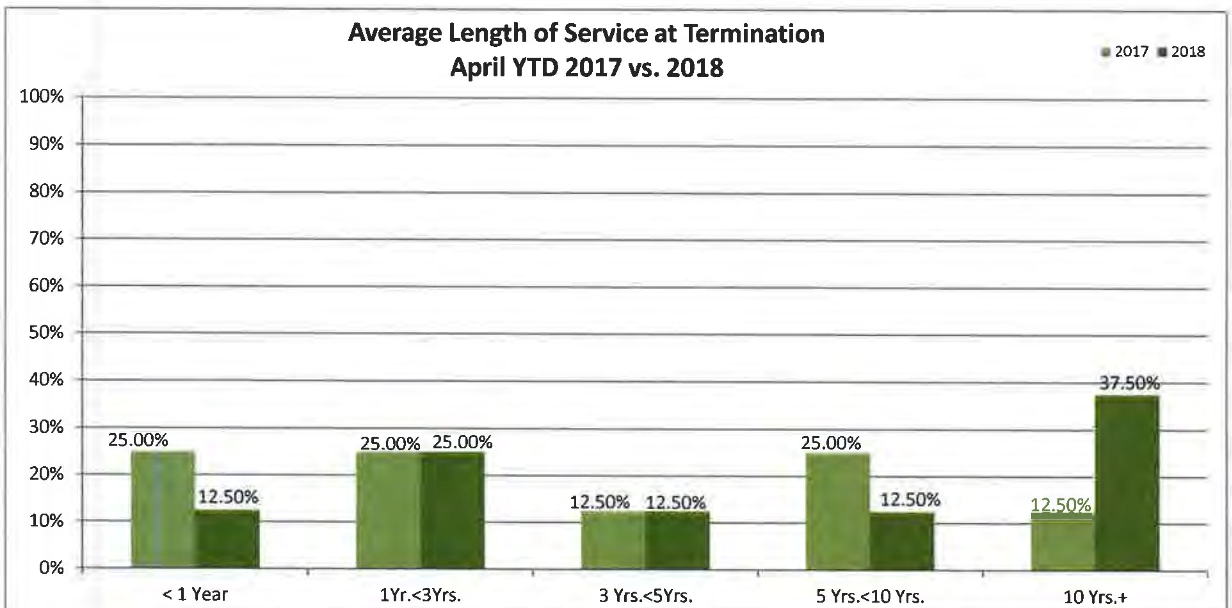


100-GM, HR, Safety; 200-Fin., Cust. Serv., IS, Purch.; 300-Eng.: 400-Water Ops; 500-Recycling; 600-Water Qualty; 700-Water Res., Pol., Conserv. and Public Affairs; 80-Adm. & Maintenance Ops
*Compares prior year with current year

IRVINE RANCH WATER DISTRICT
TURNOVER LONGEVITY RATIO
May 2018

													YTD Turnover Longevity Ratio				
Dept.	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**YTD**	**< 1 Year**	**1Yr.<3Yrs.**	**3 Yrs.<5Yrs.**	**5 Yrs.<10 Yrs.**	**10 Yrs.+**
100			1										1		1			
200		1	1										2		1			1
300													0					
400													0					
500			1		1								2					2
600													0					
700													0					
800	1	1		1									3	1		1	1	
2018 Total	**1**	**2**	**3**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**8**	**1**	**2**	**1**	**1**	**3**
2017 Data	**1**	**2**	**0**	**2**	**3**	**4**	**4**	**1**	**4**	**2**	**2**	**3**	**28**					
Percentage of Total Turnover														**12.50%**	**25.00%**	**12.50%**	**12.50%**	**37.50%**

2018 Average YTD Length of Service at Termination	**12.10 Years**
2017 Average YTD Length of Service at Termination	**14.35 Years**
2016 Average YTD Length of Service at Termination	**12.43 Years**
2015 Average YTD Length of Service at Termination	**12.27 Years**
2014 Average YTD Length of Service at Termination	**19.07 Years**



IRVINE RANCH WATER DISTRICT
EMPLOYEE POPULATION STATUS REPORT
May 2018

NEW HIRES				
Hire	**Dept**	**Employee Name**	**Position**	**Comments**
05/14/18	820	Nicholas Humeny	Instrumentation Technician	

TERMINATIONS					
Termination Date	**Dept**	**Employee Name**	**Position**	**Reason**	**Comments**

RETIREMENTS					
Effective Date	**Departing Dept**	**Employee Name**	**Position**	**Reason**	**Comments**
05/02/18	590	Didene Martin	Operator III	Vol	retired

PROMOTIONS					
Effective Date	**Departing Dept**	**Employee Name**	**Departing Position**	**New Dept**	**New Position**
05/05/18	570	Mike Hoffman	Collections Systems CCTV Tech	570	Sr. Collection Systems CCTV Technician
05/19/18	550	Jessey Cordero	Operator III	550	Process Specialist
05/19/18	300	Brad Jackson	Construction Inspection Supervisor	300	Construction Inspection Supervisor
05/19/18	430	Michael Kulick	Water Maintenance Technician I	430	Water Maintenance Technician III

TRANSFERS					
Effective Date	**Departing Dept**	**Employee Name**	**Departing Position**	**New Dept**	**New Position**
05/19/18	425	Nick Coleman	Water Maintenance Technician III	430	Water Maintenance Technician III

CROSS TRAINING					
Effective Date	**Departing Dept**	**Employee Name**	**Departing Position**	**New Dept**	**New Position**
12/30/17	550	Robert Strunk	Operator II	570	Operator II
12/30/17	550	Rafael Vazquez	Operator II	420	Operator II
04/07/18	430	Richard Olson	Water Maintenance Technician III	830	Asset Maintenance Coordinator
05/19/18	420	Casey King	Operator II	300	Construction Inspection
03/10/18	550	Ricky Ruiz	Operator II	590	Operator II

IRVINE RANCH WATER DISTRICT
EMPLOYEE POPULATION STATUS REPORT
May 2018

UNFILLED POSITIONS			
Dept	**Position**	**Salary Grade**	**Comments**
130	Safety & Security Specialist	U26.N	Applications under review
210	Financial Analyst	U11.E	
300	Construction Inspection Supervisor	U34.N	
425	Water Maintenance Technician III	26.N	Interviews scheduled for 4/4/18
430	Water Maintenance Technician I	16.N	Recruiting
430	Water Maintenance Technician II	22.N	
430	Water Maintenance Technician III	26.N	
550	Operator II (MWRP)	27.N	
550	Operator III (MWRP)	29.N	
550	Operator III (MWRP)	29.N	Internal recruitment
570	Senior Collection Systems Technician	25.N	
590	Operator III (LAWRP)	U18.E	
750	Water Efficiency Supervisor	11.E	Interviews scheduled for 4/3/18
805	Executive Director of Operations	U30.E	Recruiting
830	Asset Systems Analyst	10.E	
840	Maintenance Mechanic	20.N	Recruiting

IRVINE RANCH WATER DISTRICT
EMPLOYEE POPULATION STATUS REPORT
May 2018

LEAVE OF ABSENCE					
Type of Leave	Pay Status	Date Leave Began	Anticipated Return Date	Current Length	Comments
VC/FMLA/CFR	WC	4/12/2017	6/28/2018	13 months	Pending retirement 6-2018
FMLA/CFRA	SDI	1/12/2018	5/20/2018	5 months	
FMLA/CFRA	SDI	2/12/2018	7/4/2018	3 months	
FMLA/CFRA	SDI	5/10/2018	9/4/2018	3 weeks	
CFRA	PFL	5/29/2018	6/11/2018	8 days	
FMLA/CFRA	PFL	5/17/2018	7/5/2018	2 weeks	
FMLA/CFRA	SDI	5/15/2018	9/24/2018	2 weeks	
FMLA/CFRA	PFL	5/25/2018	6/11/2018	1 Week	

Leave	Original Status	Date Leave Began	Anticipated Return Date	Expected Length	Actual Return Date	Comments
FMLA/CFRA	SDI	6/19/2017	7/1/2017	2 Weeks	07/10/17	Returned
FMLA/CFRA	SDI	6/26/2017	7/17/2017	3 Weeks	07/10/17	Returned
VC FMLA/CFR	WC	3/8/2017	7/19/2017	4 Months	07/19/17	Returned
FMLA/CFRA	Sick/Vac	7/10/2017	7/17/2017	1 Week	07/17/17	Returned
VC/FMLA/CFR	WC	7/12/2017	7/20/2017	1 Week	07/20/17	Returned
VC/FMLA/CFR	WC	6/12/2017	8/15/2017	6 Weeks	07/28/17	Returned
FMLA/CFRA	SDI	6/20/2017	8/1/2017	5 Weeks	08/01/17	Returned
FMLA/CFRA	SDI	7/11/2017	7/31/2017	3 Weeks	08/01/17	Returned
FMLA/CFRA	SDI	7/13/2017	7/29/2017	2 Weeks	08/08/17	Returned
FMLA/CFRA	PFL	7/17/2017	8/3/2017	2 Weeks	08/07/17	Returned
FMLA/CFRA	PFL	7/17/2017	8/3/2017	2 Weeks	08/07/17	Returned
FMLA/CFRA	SDI	4/3/2017	8/31/2017	4 Months	08/31/17	Returned
WC	WC	10/14/2016	9/5/2017	10 Months	09/05/17	Returned
DL/FMLA/CFR	SDI	5/12/2017	9/5/2017	3 Months	09/05/17	Returned
FMLA/CFRA	PFL	9/7/2017	9/27/2017	3 Weeks	09/27/17	Returned
FMLA/CFRA	PFL	9/16/2017	10/16/2017	2 Weeks	10/10/17	Returned
FMLA/CFRA	SDI	9/11/2017	10/23/2017	2 Weeks	10/27/17	Returned
PDL/Personal	SDI	7/28/2017	11/7/2017	3 Months	11/06/17	Returned
VC/FMLA/CFR	WC	10/30/2017	11/6/2017	1 Week	11/06/17	Returned
VC/FMLA/CFR	WC	10/30/2017	11/6/2017	1 Week	11/06/17	Returned
VC/FMLA/CFR	WC	10/30/2017	11/2/2017	1 Week	11/06/17	Returned
FMLA/CFRA	PFL	10/19/2017	11/27/2017	2 Weeks	11/27/17	Returned
FMLA/CFRA	PFL	11/11/2017	12/5/2017	3 Weeks	11/28/17	Returned
FMLA/CFRA	SDI	8/14/2017	12/6/2017	2 Month	12/06/17	Returned
FMLA/CFRA	SDI	12/5/2017	12/27/2017	3 Weeks	12/18/17	Returned
FMLA/CFRA	SDI	12/1/2017	12/17/2017	2 Weeks	12/18/17	Returned
FMLA/CFRA	PFL	12/16/2017	1/2/2018	2 Weeks	01/02/18	Returned
FMLA/CFRA	Sick	12/29/2017	1/8/2018	1 Week	01/08/18	Returned
FMLA/CFRA	SDI	12/28/2017	1/15/2018	3 Weeks	01/15/18	Returned
FMLA/CFRA	SDI	6/8/2017	1/10/2018	4 Months	02/01/18	Returned
FMLA/CFRA	SDI	12/25/2017	1/29/2018	5 Weeks	01/29/18	Returned
FMLA/CFRA	PFL	1/23/2018	2/9/2018	1 Week	02/08/18	Returned
FMLA/CFRA	PFL	2/6/2018	2/19/2018	2 Weeks	02/20/18	Returned
Leave	Sick/Vac	2/16/2018	3/1/2018	2 Weeks	03/02/18	Returned
VC/FMLA/CFR	WC	8/14/2017	1/19/2018	6 Months	03/05/18	Returned

IRVINE RANCH WATER DISTRICT
EMPLOYEE POPULATION STATUS REPORT
May 2018

LEAVE OF ABSENCE						
Type of Leave	**Pay Status**	**Date Leave Began**	**Anticipated Return Date**	**Current Length**	**Comments**	
FMLA/CFRA	PFL	1/23/2018	3/6/2018	1 Month	03/07/18	Returned
FMLA/CFRA	PFL	2/17/2018	3/19/2018	1 Week	03/12/18	Returned
FMLA/CFRA	PFL	2/27/2018	3/12/2018	2 Weeks	03/12/18	Returned
FMLA/CFRA	SDI	2/20/2018	4/1/2018	1.5 Weeks	03/13/18	Returned
FMLA/CFRA	PFL	2/2/2018	3/19/2018	1 Month	03/19/18	Returned
FMLA/CFRA	PFL	2/26/2018	3/15/2018	2 Weeks	03/19/18	Returned
VC/FMLA/CFR/	WC	3/8/2018	3/19/2018	3 Weeks	03/20/18	Returned
VC/FMLA/CFR/	WC	1/10/2018	6/10/2018	3 Months	04/10/18	Returned
Leave	Vac/PH	2/23/2018	3/23/2018	1 Month	04/02/18	Returned
FMLA/CFRA	PFL	4/8/2018	4/9/2018	1 Week	04/09/18	REturned
FMLA/CFRA	PFL	2/27/2018	4/11/2018	7 Weeks	04/11/18	Returned
FMLA/CFRA	SDI	3/23/2018	4/6/2018	1 Week	04/09/18	Returned
FMLA/CFRA	PFL	3/16/2018	5/7/2018	1.5 Months	05/07/18	Returned
FMA/CFRA	PFL	4/3/2018	5/16/2018	1 Month	05/16/18	Returned
FMA/CFRA	SDI	4/26/2018	5/7/2018	1 week	05/07/18	Returned
FMA/CFRA	PFL	4/17/2018	5/15/2018	1 month	05/15/18	Returned
FMLA/CFRA	PFL	5/11/2018	5/21/2018	2 weeks	05/21/18	Returned
FMLA/CFRA	PFL	5/14/2018	5/24/2018	10 days	05/24/18	Returned
FMLA/CFRA	SDI	4/10/2018	5/17/2018	2 Month	05/28/18	Returned

IRVINE RANCH WATER DISTRICT
EMPLOYEE POPULATION STATUS REPORT
May 2018

Month	Dept	Length of Employment	Termination		Comments
			Vol	Invol	
January	820	5 Years, 8 Months	X		Other employment
February	805	4 Years, 10 Months	X		Other employment
	220	1Year, 11 Months	X		Other employment
March	210	36 Years, 5 Months	X		Retired
	130	2 Years, 7 Months	X		Other employment
	590	24 Years, 1 Month	X		Retired
April	840	1 Month	X		Other employment
May	590	22 years, 1 month	X		Retired
June					
July					
August					
September					
October					
November					
December					

IRVINE RANCH WATER DISTRICT
SUMMARY
AGENCY & DISTRICT TEMPORARY EMPLOYEES
April 2018*
ACTIVE

Current Month FTE	FYTD Ave Hours Worked FTE	PERS Enroll-ment	Agency	Dept	Hire Date	Term Date	Job Assignment	Hourly Rate	Est Hours per Month	Est Cost Per Month	Expected Duration (Months)	Actual Worked (Months)	Projected Cost FY' YTD	Actual Cost FY 'YTD
0.00	**0.00**			**100**										
0.83	0.84	Yes		210	6/5/2017		Temp. Accountant	30.00	168	5,040.00	12	10	50,400.00	43,462.50
0.19	0.10	No	X	210	11/30/2017		Temp. Accountant	48.05	168	8,072.40	7.25	5.25	42,380.10	8,152.64
0.97	0.93	Yes		220	7/17/2017		Temp. CS Field Tech	35.22	168	5,916.96	12	9.5	56,211.12	58,275.89
1.00	0.34	No	X	220	1/22/2018		Temp. CS Field Tech	31.00	168	5,208.00	5	4	20,832.00	18,631.00
1.00	0.51	No	X	220	10/2/2017		Temp. CS Field Tech	31.00	168	5,208.00	9	9.5	49,476.00	27,702.38
1.00	0.28	No	X	220	2/5/2018		Temp. CS Specilaist I	25.97	168	4,362.96	5	2.75	11,998.14	12,556.37
1.00	0.28	No	X	220	2/5/2018		Temp. CS Specilaist I	25.97	168	4,362.96	5	2.75	11,998.14	12,705.82
0.84	0.94	YES		240	6/5/2017		Temp. Help	26.01	168	4,369.68	12	10	43,696.80	42,578.37
0.85	0.21	No	X	240	2/20/2018		Temp. Material Control	26.01	168	4,369.68	5	2.25	9,831.78	9,701.73
1.00	0.15	No	X	240	3/12/2018		Temp. Material Control	26.01	168	4,369.68	4	1	4,369.68	6,944.67
0.48	0.69	EXC		250	2/13/2017	4/27/2018	Student Intern	14.00	168	2,352.00	12	10	23,520.00	16,702.00
0.50	0.71	EXC		250	2/17/2017		Student Intern	14.00	84	1,176.00	12	10	11,760.00	17,164.00
9.66	**5.96**			**200**										
0.83	0.80	Yes		300	6/20/2015		Temp. GIS Tech	24.23	168	4,070.64	12	10	40,706.40	33,776.62
0.33	0.57	EXC		300	5/23/2016		Student Intern	15.00	84	1,260.00	12	10	12,600.00	14,730.00
0.77	0.71	Yes		300	6/20/2016		Temp. Asst. Engineer	15.00	84	1,260.00	12	10	12,600.00	18,517.50
0.30	0.46	EXC		300	5/30/2017	5/18/2018	Student Intern	15.00	84	1,260.00	12	10	12,600.00	12,000.00
0.33	0.44	EXC		300	6/26/2017		Student Intern	15.00	84	1,260.00	12	10	12,600.00	11,340.00
0.40	0.43	EXC		300	6/26/2017		Student Intern	15.00	84	1,260.00	12	10	12,600.00	11,083.50
1.00	0.15	No	X	300	3/8/2018		Temp. Development Ser	38.44	168	6,457.92	4	3	19,373.76	10,167.38
1.00	0.13	No	X	300	3/19/2018		Temp. Sr. Office Specia	35.31	168	5,932.08	4	3	17,796.24	8,050.68
4.96	**3.69**			**300**										
1.00	0.43	No	X	425	11/28/2017		Temp. WM Tech I	30.82	168	5,177.76	7.25	5.25	27,183.24	23,993.37
1.00	0.38	No	X	425	11/28/2017		Temp. WM Tech I	30.82	168	5,177.76	7.25	5.25	27,183.24	20,553.09
1.00	0.37	No	X	425	12/7/2017		Temp. WM Tech I	30.82	168	5,177.76	7	5	25,888.80	20,048.41
1.00	0.17	No	X	425	3/8/2018		Temp. Water Maintenan	31.18	168	5,238.24	4	3	15,714.72	9,018.82
1.00	0.13	No	X	425	3/20/2018		Temp. Water Maintenan	31.18	168	5,238.24	4	3	15,714.72	6,859.60
0.87	0.71	Yes		430	8/1/2017		Temp. Utility Worker	23.00	168	3,864.00	12	9	34,776.00	28,646.50
0.91	0.89	Yes		430	5/2/2017		Temp. Utility Worker	26.65	168	4,477.20	12	10	44,772.00	42,400.15
1.00	0.25	No	X	430	2/13/2018		Temp. Utility Worker	31.18	168	5,238.24	7	2.5	13,095.60	13,929.67
1.00	0.24	No	X	430	2/13/2018		Temp. Utility Worker	31.18	168	5,238.24	7	2.5	13,095.60	13,220.32
8.78	**3.57**			**400**										
0.78	0.67	Yes		515	6/20/2016		Temp. Wetlands Spec.	27.02	84	2,269.68	12	10	22,696.80	31,559.36
0.83	0.87	Yes		515	6/27/2016		Temp. Wetlands Spec.	27.02	84	2,269.68	12	10	22,696.80	40,854.24
0.88	0.89	Yes		515	1/19/2017		Temp. Wetlands Spec.	34.65	168	5,821.20	12	10	58,212.00	53,551.58
0.52	0.48	EXC		515	7/24/2017	5/18/2018	Student Intern	15.00	84	1,260.00	12	10	12,600.00	12,570.00
0.67	0.50	EXC		515	7/24/2017		Student Intern	15.00	84	1,260.00	12	10	12,600.00	12,960.00
0.83	0.51	EXC		515	7/24/2017		Student Intern	15.00	84	1,260.00	12	10	12,600.00	13,387.50
0.66	0.12	No	X	570	3/19/2018		Temp. Collection Systen	30.29	168	5,088.72	11	1.25	6,360.90	7,269.60
5.17	**4.06**			**500**										
0.51	0.39	EXC		600	6/19/2017		Student Intern	17.00	84	1,428.00	12	10	14,280.00	11,356.85
0.42	0.44	EXC		600	6/26/2017		Student Intern	15.00	84	1,260.00	12	10	12,600.00	11,332.50
0.40	0.33	EXC		600	7/8/2017		Student Intern	17.00	84	1,428.00	12	10	14,280.00	9,656.00
0.90	0.40	No	X	600	11/27/2017		Temp. Scientist	31.50	168	5,292.00	7	5.25	27,783.00	22,006.69
2.23	**1.55**			**600**										
0.70	0.32	Yes		730	8/13/2015		Temp. Filling Station At	19.80	84	1,663.20	12	9	14,968.80	10,899.90
0.60	0.34	Yes		730	8/13/2015		Temp. Filling Station At	19.00	84	1,596.00	12	9	14,364.00	11,181.50
0.21	0.22	No	X	730	7/17/2017	4/6/2018	Temp. Filling Station At	19.99	84	1,679.16	12	9	15,112.44	7,711.14
0.05	0.00	No	X	730	4/30/2018		Temp. Filling Station At	19.99	84	1,679.16	3	0.25	419.79	159.92
0.54	0.76	EXC		750	7/10/2017		Student Intern	16.00	84	1,344.00	12	10	13,440.00	21,208.00
0.89	0.86	Yes		750	7/18/2017		Temp. Water Eff. Spec.	27.02	168	4,539.36	12	10	45,393.60	40,800.20
2.98	**2.50**			**700**										
1.00	0.20	No	X	850	2/28/2018		Temp. Facilities Service	36.48	168	6,128.64	4	1.25	7,660.80	12,768.00
1.00	**0.20**			**800**										
34.77	**21.53**													

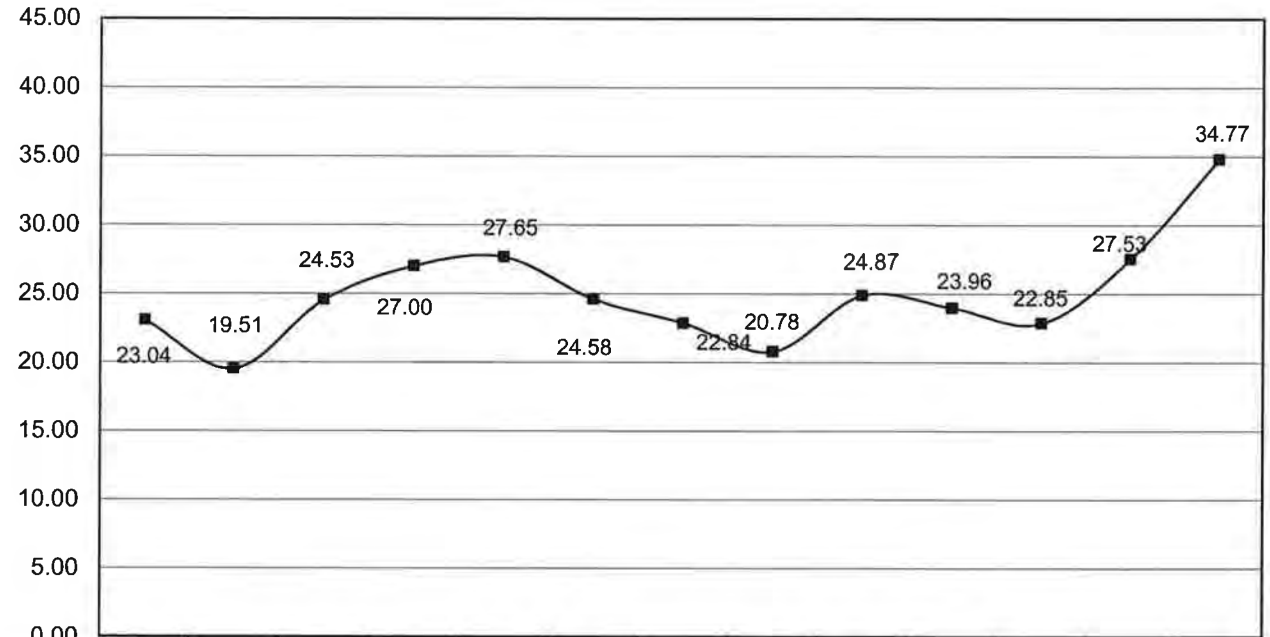
IRVINE RANCH WATER DISTRICT
SUMMARY
AGENCY & DISTRICT TEMPORARY EMPLOYEES
April 2018*

TERMINATED

Current Month FTE	Avg FYTD Temp Emp FTE	Active PERS Y/N *	Agency	Dept	Hire Date	Term Date	Classification	Hourly Rate	Est Hours per Month	Est Cost Per Month	Expected Duration (Months)	Actual Worked (Months)	Projected Cost FYTD	Actual Cost FYTD
0.00	**0.00**			**100**										
0.00	0.00	No	X	210	10/23/2017	10/26/2017	Full Time	51.26	31	1,589.06	6	2	3,178.12	0.00
0.41	0.31	Yes		220	3/3/2014	10/21/2017	Temp. CS Field Tech	20.84	168	3,501.12	7	4	14,004.48	11,118.14
0.41	0.34	Yes		220	5/11/2015	10/21/2017	Temp. CS Field Tech	28.95	168	4,863.60	7	4	19,454.40	18,064.80
0.63	0.53	No	X	220	3/13/2017	12/18/2017	Temp. CS Specialist I	25.97	168	4,362.96	12	6	26,177.76	23,916.03
0.70	0.60	No	X	220	5/30/2017	12/26/2017	Temp. Mailroom Coord	19.99	168	3,358.32	6	6	20,149.92	21,629.18
0.38	0.56	No	X	220	7/17/2017	1/11/2018	Temp. CS Field Tech	31.00	168	5,208.00	12	7.5	39,060.00	30,372.25
0.00	0.00	No	X	240	6/5/2017	7/28/2017	Full Time	26.01	168	4,369.68	6	2	8,739.36	0.00
0.28	0.70	No	X	240	5/31/2017	2/12/2018	Temp. Help	26.01	168	4,369.68	12	8	34,957.44	32,057.33
0.00	0.00	EXC		250	9/5/2017	9/27/2017	Part Time	17.00	84	1,428.00	6	2	2,856.00	0.00
0.28	**0.70**			**200**										
0.00	0.00	No	X	300	5/4/2017	8/31/2017	Full Time	26.70	168	4,485.60	3	2	8,971.20	0.00
0.88	0.53	Yes		300	7/19/2017	1/30/2018	Temp. Dev. Serv. Spec.	23.60	168	3,964.80	12	8	31,718.40	21,635.30
0.00	**0.00**			**300**										
0.00	0.00	No	X	425	6/6/2017	7/7/2017	Full Time	30.65	168	5,149.20	1	2	10,298.40	0.00
0.00	0.36	No	X	425	6/6/2017	1/2/2018	Temp. WM Tech I	30.65	168	5,149.20	6	7	36,044.40	19,478.08
0.63	0.06	No	X	430	4/5/2017	7/20/2017	Full Time	20.00	168	3,360.00	1	2	6,720.00	2,190.00
0.00	0.00	Yes		430	10/26/2015	8/24/2017	Full Time	19.14	168	3,215.52	1	2	6,431.04	0.00
0.58	0.68	Yes		430	8/22/2016	2/20/2018	Temp. Utility Worker	29.45	168	4,947.60	12	8	39,580.80	34,522.76
0.67	0.64	No	X	430	8/8/2017	2/20/2018	Temp. WM Tech I	29.63	168	4,977.84	12	7	34,844.88	33,448.57
0.63	**0.43**			**400**										
0.00	0.00	No	X	570	2/13/2018	3/19/2018	Temp. Collection Systen	30.29	168	5,088.72	12	1.5	7,633.08	0.00
0.00	**0.00**			**500**										
0.00	0.00	No	X	600	5/1/2017	8/18/2017	Full Time	35.00	168	5,880.00	3	2	11,760.00	0.00
0.00	0.00	No	X	600	6/27/2017	8/8/2017	Full Time	31.50	168	5,292.00	1	2	10,584.00	0.00
0.00	**0.00**			**600**										
0.00	0.00	Yes		720	7/5/2016	8/12/2017	Full Time	20.00	168	3,360.00	12	2	6,720.00	0.00
0.21	0.45	Yes		710	12/14/2015	1/23/2018	Temp. Water Eff. Spec.	33.62	168	5,648.16	12	8	45,185.28	26,065.25
0.56	0.06	No	X	710	12/18/2017	1/25/2018	Temp. Water Eff. Spec.	37.90	168	6,367.20	12	2.5	15,918.00	4,169.00
0.21	**0.45**			**700**										
0.00	0.00	No	X		8/1/2017	11/19/2017	Temp. Maint. Mechanic	29.45	168	4,947.60	4	5	24,738.00	0.00
0.00	0.00	No	X	850	2/28/2018	3/21/2018	Temp. Landscape Contr	50.49	168	8,482.32	6	1.25	10,602.90	0.00
0.00	**0.00**			**800**										
	1.13												1,499,170.87	1,182,812.62

EXC = Exclude from PERS enrollment
Yes= Temporary employee enrolled in PERS Membership
No=Temporary Agency employee
*Data reported 30 days in arrears

Temporary Employees
Full Time Equivalency thru 04/30/18
District Totals



	4/17	5/17	6/17	7/17	8/17	9/17	10/17	11/17	12/17	01/18	02/18	03/18	04/18
District	23.04	19.51	24.53	27.00	27.65	24.58	22.84	20.78	24.87	23.96	22.85	27.53	34.77

June 5, 2018
Prepared by: J. Davis / T. Fournier
Submitted by: R. Jacobson / C. Clary
Approved by: Paul A. Cook

FINANCE AND PERSONNEL COMMITTEE

MONTHLY INVESTMENT AND DEBT REVIEW

SUMMARY:

The following items are submitted for the Committee's review and consideration:

- The Investment Portfolio Summary Report as of May 24, 2018, as outlined in Exhibit "A";
- The U.S. Treasury Yield Curve as of May 24, 2018, as outlined in Exhibit "B";
- The Summary of Fixed and Variable Debt as of May 24, 2018, as outlined in Exhibit "C"; and,
- The Summary of Variable Rate Debt Rates as of May 24, 2018, as outlined in Exhibit "D".

BACKGROUND:

Investment Portfolio:

Due to the timing of the Committee meeting, the rate of return for May 2018 is not complete at this time. Preliminary calculations indicate a rate of return for the fixed income investment portfolio of 1.36%, which is a 0.04% increase from April's rate of 1.32%. Including real estate investments, the weighted average rate of return for the District's investment portfolio for May 2018 is estimated to be 3.55%, which is unchanged from April's rate.

Debt Portfolio:

As of May 24, 2018, the District's weighted average all-in variable rate was 1.53%, which was a 0.34% decrease from April's rate of 1.87%. Including the District's weighted average fixed rate bond issues of 3.70% and the previous month's negative cash accruals from fixed payer interest rate swaps, which hedge a portion of the District's variable rate debt, the total average debt rate was 3.60%, which was a 0.08% decrease from April's rate of 3.68%. The decreases were due to lower interest rates on the District's variable rate debt portfolio.

FISCAL IMPACTS:

Fiscal impacts are outlined above and included in the attached exhibits.

ENVIRONMENTAL COMPLIANCE:

This item is not a project as defined in the California Environmental Quality Act Code of Regulations, Title 14, Chapter 3, Section 15378.

RECOMMENDATION:

Receive and file.

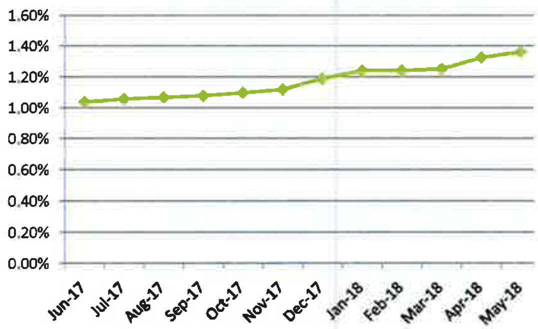
LIST OF EXHIBITS:

Exhibit "A" – Investment Portfolio Summary as of May 24, 2018
Exhibit "B" – Yield Curve as of May 24, 2018
Exhibit "C" – Summary of Fixed and Variable Debt as of May 24, 2018
Exhibit "D" – Summary of Variable Rate Debt Rates as of May 24, 2018

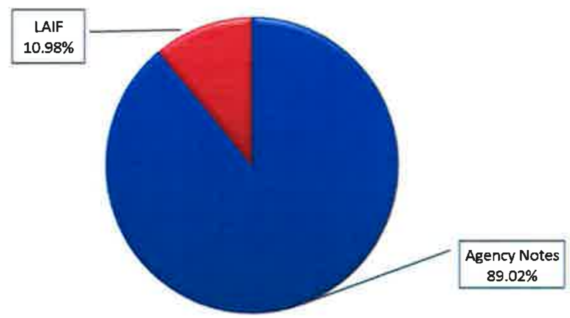
Exhibit "A"

Irvine Ranch Water District
Investment Portfolio Summary
May 2018

Monthly Fixed Income Yield



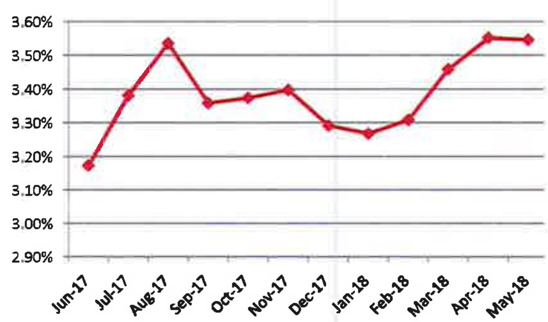
Portfolio Distribution



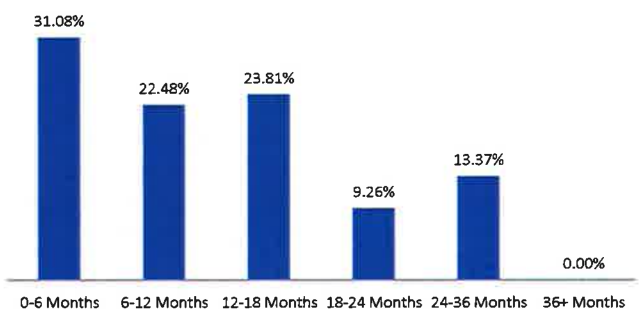
Investment Summary

Type	PAR	Book Value	Market Value
Agency Notes	336,550,000	336,344,386	332,949,789
LAIF	41,500,000	41,500,000	41,397,827
Grand Total	378,050,000	377,844,386	374,347,616

Weighted Average Return Including Real Estate Portfolio



Maturity Distribution



Top Issuers

Issuer	PAR	% Portfolio
Fed Home Loan Bank	116,000,000	30.68%
Fed Natl Mortgage Assoc	80,550,000	21.31%
Fed Home Loan Mortgage Corp	75,000,000	19.84%
Fed Farm Credit Bank	65,000,000	17.19%
State of California Treasury - LAIF	41,500,000	10.98%
Grand Total	378,050,000	100%

IRVINE RANCH WATER DISTRICT
INVESTMENT SUMMARY REPORT

05/24/18

SETTLMT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE[1] 5/24/2018	UNREALIZED[2] GAIN/(LOSS)
08/23/17			05/25/18		LAIF	State of California Tsy.	$41,500,000		1.430%	$41,500,000.00	$41,500,000.00	41,397,827.04	(102,172.96)
05/24/16	N/A	N/A	06/08/18	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	11,000,000	1.250%	0.995%	11,056,540.00	11,000,531.25	10,994,390.00	(6,141.25)
06/29/16	N/A	N/A	06/29/18	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	10,000,000	1.000%	0.679%	10,016,000.00	10,000,613.70	9,986,200.00	(14,413.70)
09/01/16	N/A	N/A	07/27/18	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.750%	0.928%	4,983,250.00	4,998,648.41	4,986,000.00	(12,648.41)
12/21/16	N/A	N/A	08/15/18	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.000%	1.245%	4,980,000.00	4,997,508.31	4,987,850.00	(9,658.31)
09/01/16	N/A	N/A	08/28/18	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.000%	1.000%	5,000,000.00	5,000,000.00	4,984,550.00	(15,450.00)
09/01/16	NA	NA	09/14/18	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.125%	0.916%	5,021,000.00	5,002,967.70	4,984,450.00	(18,517.70)
12/28/16	NA	NA	09/14/18	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.125%	1.225%	4,991,500.00	4,998,572.00	4,984,450.00	(14,122.00)
10/12/16	N/A	N/A	09/27/18	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	10,000,000	0.900%	0.952%	9,990,000.00	9,998,069.93	9,954,400.00	(43,669.93)
10/12/16	N/A	N/A	09/28/18	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.880%	0.942%	4,994,000.00	4,998,835.20	4,977,600.00	(21,235.20)
09/01/16	NA	NA	10/01/18	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.030%	0.925%	5,010,750.00	5,001,725.66	4,980,150.00	(21,575.66)
10/12/16	N/A	N/A	10/12/18	Aaa/NR/NR	FFCB - Note	Fed Farm Credit Bank	10,000,000	1.000%	1.041%	9,992,000.00	9,998,323.29	9,955,400.00	(42,923.29)
10/12/16	N/A	N/A	11/27/18	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	10,000,000	1.625%	0.956%	10,140,360.00	10,035,994.38	9,976,300.00	(59,694.38)
12/21/16	N/A	N/A	12/05/18	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.100%	1.319%	4,978,900.00	5,021,456.59	4,966,550.00	(54,906.59)
09/01/16	NA	NA	12/14/18	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.750%	0.941%	5,091,300.00	5,011,354.39	4,987,750.00	(23,604.39)
12/27/16	NA	NA	12/14/18	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.750%	1.320%	5,041,536.20	4,994,473.81	4,987,750.00	(6,723.81)
09/01/16	One Time	07/30/18	01/30/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.950%	1.009%	4,993,000.00	4,998,069.24	4,951,350.00	(46,719.24)
10/26/16	One Time	07/30/18	01/30/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.950%	1.035%	4,990,500.00	4,997,136.20	4,951,350.00	(45,786.20)
10/26/16	One Time	07/30/18	01/30/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.950%	1.040%	4,990,000.00	4,996,985.47	4,951,350.00	(45,635.47)
10/12/16	Continuous after	02/12/18	02/12/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	10,000,000	1.050%	1.093%	9,990,000.00	9,996,764.36	9,910,700.00	(86,064.36)
09/01/16	NA	NA	03/08/19	Aaa/AA+/AAA	FHLB - Note	Fed Home Loan Bank	5,000,000	1.500%	0.964%	5,066,500.00	5,020,283.22	4,967,850.00	(52,433.22)
03/21/18	NA	NA	03/21/19	Aaa/NA/NR	FHLB - Note	Fed Home Loan Bank	10,000,000	2.125%	2.125%	10,000,000.00	10,000,000.00	9,989,800.00	(10,200.00)
10/12/16	N/A	N/A	03/29/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.050%	1.050%	4,999,950.00	4,999,982.13	4,945,050.00	(54,932.13)
10/12/16	N/A	N/A	04/15/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	10,000,000	1.125%	0.992%	10,032,800.00	10,012,116.28	9,889,700.00	(122,416.28)
10/31/16	N/A	N/A	04/26/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.050%	1.060%	4,998,750.00	4,999,545.20	4,939,150.00	(60,395.20)
09/01/16	N/A	N/A	05/28/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.030%	1.048%	4,997,550.00	4,999,114.66	4,935,400.00	(63,714.66)
04/19/18	N/A	N/A	05/30/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.750%	2.252%	4,972,500.00	4,975,412.56	4,970,650.00	(4,762.56)
09/01/16	NA	NA	06/14/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.625%	0.987%	5,087,400.00	5,032,516.93	4,958,400.00	(74,116.93)
10/12/16	NA	NA	06/14/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.625%	1.103%	5,068,515.88	5,027,968.53	4,958,400.00	(69,568.53)
10/12/16	NA	NA	07/19/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.875%	1.098%	4,969,652.90	4,986,989.81	4,910,550.00	(76,439.81)
09/01/16	NA	NA	07/26/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.150%	1.180%	4,995,700.00	4,998,293.01	4,919,250.00	(79,043.01)
09/01/16	N/A	N/A	08/28/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.150%	1.160%	4,998,500.00	4,999,377.18	4,917,600.00	(81,777.18)
09/01/16	NA	NA	08/28/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.125%	1.132%	4,999,000.00	4,999,584.78	4,916,000.00	(83,584.78)
09/28/16	Quarterly	03/09/17	09/09/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.125%	1.142%	4,997,500.00	4,998,915.66	4,915,500.00	(83,415.66)
04/10/18	NA	NA	09/13/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	2.375%	2.288%	5,006,000.00	5,005,401.15	5,001,900.00	(3,501.15)
09/28/16	Continuous after	12/27/16	09/27/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.250%	1.189%	5,001,500.00	5,000,662.25	4,919,550.00	(81,112.25)
10/12/16	Continuous after	10/03/17	10/03/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	10,000,000	1.125%	1.160%	9,989,780.00	9,995,209.96	9,818,900.00	(176,309.96)
10/12/16	Continuous after	10/11/17	10/11/19	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	10,000,000	1.120%	1.205%	9,975,000.00	9,988,185.56	9,804,900.00	(183,285.56)

IRVINE RANCH WATER DISTRICT
INVESTMENT SUMMARY REPORT

05/24/18

SETTLMT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE[1] 5/24/2018	UNREALIZED[2] GAIN/(LOSS)
11/08/16	Quarterly	05/08/17	11/08/19	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.250%	1.245%	5,000,750.00	5,000,359.59	4,909,750.00	(90,609.59)
11/28/16	NA	NA	11/15/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.375%	1.440%	4,990,550.00	4,995,353.60	4,921,900.00	(73,453.60)
11/28/16	Quarterly	05/25/17	11/25/19	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.400%	1.503%	4,985,000.00	4,992,554.95	4,918,400.00	(74,154.95)
12/12/16	NA	NA	12/12/19	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.450%	1.440%	5,001,450.00	5,000,739.58	4,916,750.00	(83,989.58)
12/21/16	NA	NA	12/19/19	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.500%	1.621%	4,982,350.00	4,990,860.11	4,919,400.00	(71,460.11)
12/20/17	NA	NA	01/17/20	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.500%	1.932%	4,956,250.00	4,959,770.78	4,917,950.00	(41,820.78)
10/16/17	NA	NA	02/28/20	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.500%	1.612%	4,987,025.00	4,990,445.00	4,910,500.00	(79,945.00)
12/20/17	NA	NA	03/13/20	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	4.125%	1.940%	5,237,200.00	5,219,424.57	5,142,400.00	(77,024.57)
10/03/17	NA	NA	04/20/20	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.375%	1.630%	4,968,350.00	4,976,551.77	4,890,300.00	(86,251.77)
11/21/17	Continuous after	02/20/18	05/20/20	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.830%	1.930%	4,987,500.00	4,974,433.51	4,911,400.00	(63,033.51)
11/10/17	NA	NA	06/22/20	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.500%	1.750%	4,968,000.00	4,990,285.40	4,889,250.00	(101,035.40)
04/19/18	NA	NA	07/30/20	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.500%	2.535%	4,886,000.00	4,891,884.75	4,879,650.00	(12,234.75)
12/20/17	Quarterly	11/10/16	08/10/20	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.450%	2.052%	4,923,000.00	4,927,872.41	4,868,850.00	(59,022.41)
05/21/18	Continuous after	12/01/17	09/01/20	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.680%	2.735%	4,884,250.00	4,885,776.68	4,884,250.00	(1,526.68)
12/12/17	One Time	09/28/18	09/28/20	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	2.000%	2.000%	5,000,000.00	5,000,000.00	4,924,450.00	(75,550.00)
10/31/17	One Time	10/30/18	10/30/20	Aaa/NR/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,550,000	1.850%	1.850%	5,550,000.00	5,550,000.00	5,434,948.50	(115,051.50)
12/13/17	Continuous after	08/23/17	11/23/20	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.770%	2.060%	4,958,750.00	4,961,088.52	4,881,300.00	(79,788.52)
12/13/17	Quarterly	05/24/18	11/24/20	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.900%	2.023%	4,982,500.00	4,983,491.18	4,887,850.00	(95,641.18)
11/30/17	NA	NA	11/24/20	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.850%	1.964%	4,983,550.00	4,986,311.79	4,900,150.00	(86,161.79)
12/20/17	NA	NA	12/28/20	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.875%	2.023%	4,978,400.00	4,979,593.48	4,903,250.00	(76,343.48)
TOTAL INVESTMENTS							$378,050,000			$378,118,109.98	$377,844,386.43	$374,347,615.54	

Petty Cash		3,400.00
Ck Balance	Bank of America	1,849,167.99
		$379,970,677.97

[1] LAIF market value is as of the most recent quarter-end as reported by LAIF.
Security market values are determined using Bank of New York ("Trading Prices"), Bloomberg and/or broker dealer pricing.
[2] Gain (loss) calculated against carry value using the trading value provided by Bank of New York/or Brokers
[3] Real estate rate of return is based on most recent quarter end return

Outstanding Variable Rate Debt	$282,600,000
Net Outstanding Variable Rate Debt (Less $130 million fixed-payer swaps)	$152,600,000
Investment Balance:	$379,970,678
Investment to Variable Rate Debt Ratio:	249%
Portfolio - Average Number of Days To Maturity[4]	362

	Investment Portfolio	**Real Estate[3] Portfolio**	**Weighted Avg. Return**
May	**1.36%**	**8.91%**	**3.55%**
April	**1.32%**	**8.91%**	**3.55%**
Change	**0.04%**		**0.00%**

This Investment Summary Report is in conformity with the 2018 Investment Policy and provides sufficient liquidity to meet the next six months estimated expenditures.
*S - Step up

IRVINE RANCH WATER DISTRICT
SUMMARY OF MATURITIES

05/24/18

DATE	TOTAL	%	LAIF	Agency Notes	Agency Discount Notes	Collateral Deposit	US Treasury
05/18	$41,500,000	10.98%	$41,500,000				
06/18	21,000,000	5.55%		21,000,000			
07/18	5,000,000	1.32%		5,000,000			
08/18	10,000,000	2.65%		10,000,000		-	
09/18	25,000,000	6.61%		25,000,000			
10/18	15,000,000	3.97%		15,000,000			
11/18	10,000,000	2.65%		10,000,000			
12/18	15,000,000	3.97%		15,000,000			
01/19	15,000,000	3.97%		15,000,000			
02/19	10,000,000	2.65%		10,000,000			
03/19	20,000,000	5.29%		20,000,000			
04/19	15,000,000	3.97%		15,000,000			
SUB-TOTAL	$202,500,000	53.56%	$41,500,000	$161,000,000			
13 Months - 3 YEARS							
5/01/19 - 8/31/2019	40,000,000	10.58%		40,000,000			
9/01/2019 - 11/30/19	50,000,000	13.23%		50,000,000			
12/01/19 - 2/28/2020	20,000,000	5.29%		20,000,000			
3/01/2020 - 5/31/2020	15,000,000	3.97%		15,000,000			
6/01/2020 - 8/31/2020	15,000,000	3.97%		15,000,000			
9/01/2020 -12/31/2020	35,550,000	9.40%		35,550,000			
1/01/2021 -2/28/2021	-						
	-						
	-						
TOTALS	$378,050,000	100.00%	$41,500,000	$336,550,000			
% OF PORTFOLIO			10.98%	89.02%			

Irvine Ranch Water District
Summary of Real Estate - Income Producing Investments
3/31/2018

	ACQUISITION DATE	PROPERTY TYPE	OWNERSHIP INTEREST	ORIGINAL COST	ESTIMATED MARKET VALUE 3/31/2018	ANNUALIZED RATE OF RETURN QUARTER ENDED 3/31/2018
Sycamore Canyon	Dec-92	Apartments	Fee Simple	$ 43,550,810	$ 147,507,750	18.94%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	$ 6,000,000	$ 28,934,076	8.56%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	$ 5,739,845	$ 9,571,680	11.08%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	$ 8,630,577	$ 7,803,000	3.39%
Sand Canyon Professional Center	Jul-12	Medical Office	Fee Simple	$ 8,648,594	$ 10,820,160	9.02%
Total - Income Properties				$ 72,569,826	$ 204,636,666	14.43%
OTHER REAL ESTATE DESCRIPTION						
Serrano Summit - Promissory Note	Sep-17	NA	NA	$ 81,600,000	$ 81,600,000	4.00%
Total - Income Producing Real Estate Investments				$ 154,169,826	$ 286,236,666	8.91%

IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT
INVESTMENT ACTIVITY
May-18

MATURITIES/SALES/CALLS

DATE	SECURITY TYPE	PAR	YIELD
5/16/2018	FFCB - Note	$5,000,000	0.80%
5/21/2018	FNMA Note	$5,000,000	0.77%

PURCHASES

Settlement Date	Maturity Date	SECURITY TYPE	PAR	YIELD TO MATURITY
5/21/2018	9/1/2020	FFCB - Note	$5,000,000	2.73%

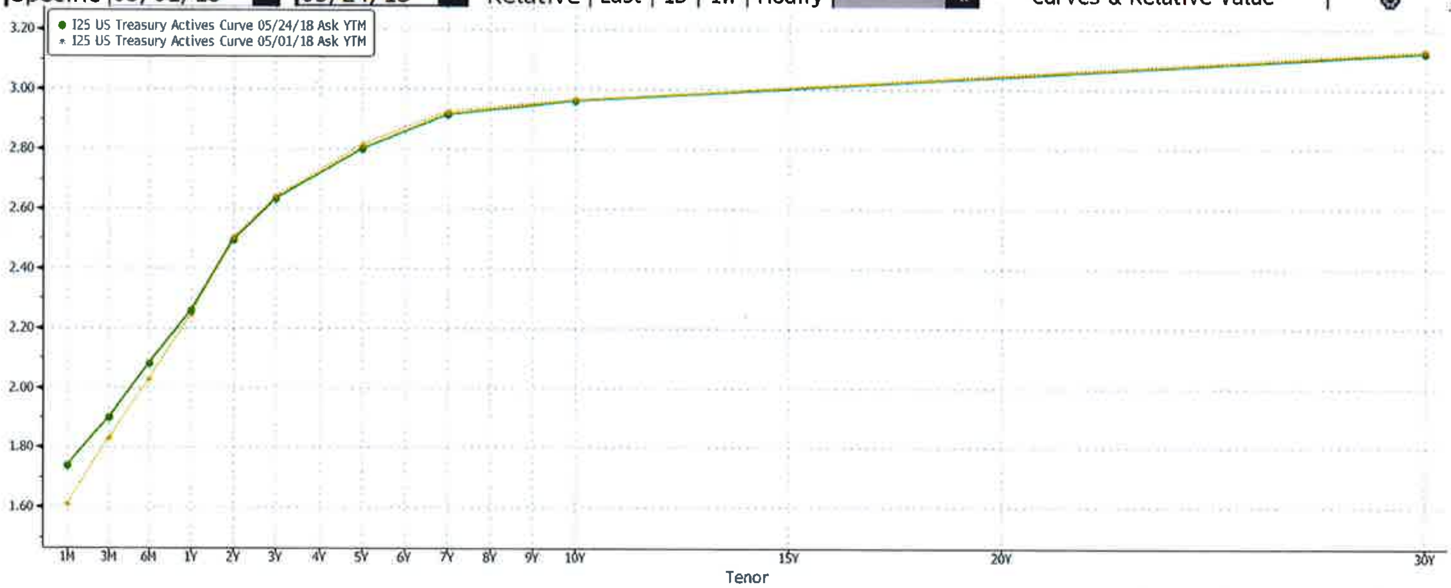
Exhibit "B"

Running as C15. Run GC for more features.

US Treasury Actives Curve | Graph Curves

X-Axis Tenor | Y-Axis Ask YTM | Currency None | PCS | Lower Chart History Table

Specific 05/01/18 | 05/24/18 | Relative | Last | 1D | 1W | Modify | « | Curves & Relative Value



All Tenors | Key Tenors

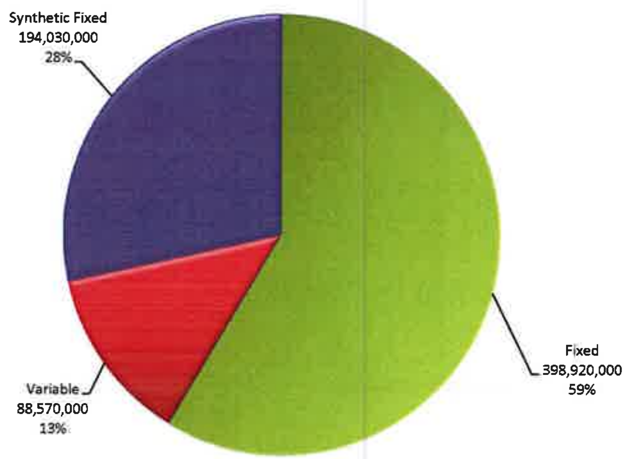
Curve Id	3M	1Y	2Y	3Y	5Y	10Y	30Y
11) ■ I25 05/24/18	1.900	2.258	2.496	2.633	2.799	2.962	3.121
12) ■ I25 05/01/18	1.831	2.244	2.504	2.640	2.812	2.964	3.129
13) I25 (05/24/18-05/0...	6.9	1.4	-0.8	-0.7	-1.4	-0.2	-0.8

SN 736334 PDT GMT-7:00 G404-3279-0 24-May-2018 08:20:36

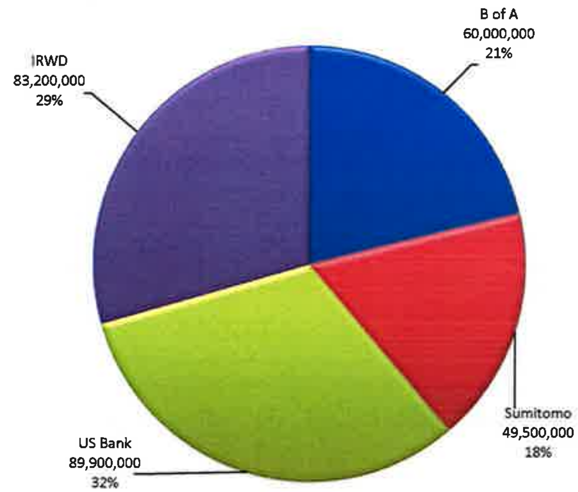
Exhibit "C"

Irvine Ranch Water District
Summary of Fixed and Variable Rate Debt
May 2018

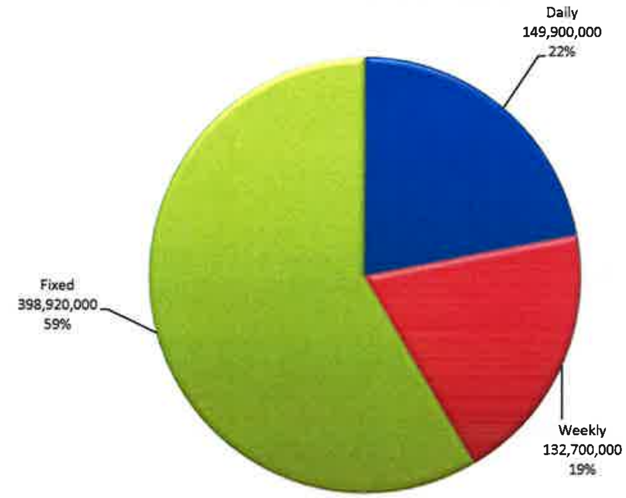
Current Debt Mix By Type



Letters of Credit / Support



Current Debt Rate Reset



Outstanding Par by Series

Series	Issue Date	Maturity Date	Remaining Principal	Percent	Letter of Credit	Rmkt Agent	Mode	Reset
Series 1993	05/19/93	04/01/33	$29,900,000	4.39%	US Bank	BAML	Variable	Daily
Series 2008-A Refunding	04/24/08	07/01/35	$49,500,000	7.26%	Sumitomo	BAML	Variable	Weekly
Series 2011-A-1 Refunding	04/15/11	10/01/37	$49,920,000	7.32%	IRWD	Goldman	Variable	Weekly
Series 2011-A-2 Refunding	04/15/11	10/01/37	$33,280,000	4.88%	IRWD	Morgan	Variable	Weekly
Series 2009 - A	06/04/09	10/01/41	$60,000,000	8.80%	US Bank	US Bank	Variable	Daily
Series 2009 - B	06/04/09	10/01/41	$60,000,000	8.80%	B of A	Goldman	Variable	Daily
2010 Refunding Cops	02/23/10	03/01/20	$3,775,000	0.55%	N/A	N/A	Fixed	Fixed
2016 COPS	09/01/16	03/01/46	$116,745,000	17.13%	N/A	N/A	Fixed	Fixed
2010 Build America Taxable Bond	12/16/10	05/01/40	$175,000,000	25.68%	N/A	N/A	Fixed	Fixed
Series 2016	10/12/16	02/01/46	$103,400,000	15.17%	N/A	N/A	Fixed	Fixed
Total			$681,520,000	100.00%				

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IRVINE RANCH WATER DISTRICT

SUMMARY OF FIXED & VARIABLE RATE DEBT

May-18

ITN
Daily
Weekly

GENERAL BOND INFORMATION

VARIABLE RATE ISSUES	Issue Date	Maturity Date	Principal Payment Date	Payment Date	Original Par Amount	Remaining Principal
SERIES 1993	05/19/93	04/01/33	APR 1 (2014)	5th Bus. Day	$38,300,000	$29,900,000
SERIES 2008-A Refunding	04/24/08	07/01/35	JUL 1	5th Bus. Day	$60,215,000	$49,500,000
SERIES 2011-A-1 Refunding	04/15/11	10/01/37	Oct 1	1st Bus. Day	$60,545,000	$49,920,000
SERIES 2011-A-2 Refunding	04/15/11	10/01/37	Oct 1	1st Bus. Day	$40,370,000	$33,280,000
SERIES 2009 - A	06/04/09	10/01/41	Oct 1	1st Bus. Day	$75,000,000	$60,000,000
SERIES 2009 - B	06/04/09	10/01/41	Oct 1	1st Bus. Day	$75,000,000	$60,000,000
					$349,430,000	$282,600,000
FIXED RATE ISSUES						
2010 REFUNDING COPS	02/23/10	03/01/20	Mar -1	MAR/SEPT	$85,145,000	$3,775,000
2010 GO Build America Taxable Bonds	12/16/10	05/01/40	MAY (2025)	MAY/NOV	$175,000,000	$175,000,000
2016 COPS	09/01/16	03/01/46	Mar - 1	MAR/SEPT	$116,745,000	$116,745,000
SERIES 2016	10/12/16	02/01/46	Feb - 1	FEB/AUG	$103,400,000	$103,400,000
					$480,290,000	$398,920,000
					$829,720,000	$681,520,000

SUB-TOTAL VARIABLE RATE DEBT: $349,430,000 / $282,600,000

SUB-TOTAL FIXED RATE DEBT: $480,290,000 / $398,920,000

TOTAL- FIXED & VARIABLE RATE DEBT: $829,720,000 / $681,520,000

LETTER OF CREDIT INFORMATION

VARIABLE RATE ISSUES	Letter of Credit	Reimbursment Agreement Date	L/C Exp. Date	MOODYS	S&P	FITCH	LOC Stated Amount	LOC Fee	Annual LOC Cost
SERIES 1993	US BANK	05/07/15	11/07/18	Aa3/VMIG1	AA-/A-1+	N/R	$30,303,036	0.3300%	$100,000
SERIES 2008-A Refunding	SUMITOMO	04/01/11	07/21/21	A1/P-1	A/A-1	A/F1	$50,232,329	0.3150%	$158,232
SERIES 2011-A-1 Refunding	N/A	N/A	N/A	Aa1/VMIG1	A-1+	AAA/F1+	N/A	N/A	N/A
SERIES 2011-A-2 Refunding	N/A	N/A	N/A	Aa1/VMIG1	A-1+	AAA/F1+	N/A	N/A	N/A
SERIES 2009 - A	US BANK	04/01/11	12/22/20	Aa2/VMIG 1	AA-/A-1+	AA/F1+	$60,670,685	0.4100%	$248,750
SERIES 2009 - B	B of A	04/01/11	07/15/19	A1/VMIG 1	A/A-1	A1/F1+	$60,670,685	0.4000%	$242,683
SUB-TOTAL VARIABLE RATE DEBT							$201,876,734	0.3714% (Wt. Avg)	$749,664
FIXED RATE ISSUES									
2010 REFUNDING COPS	N/A	N/A	N/A	Aa1	AAA	AAA	N/A	N/A	N/A
2010 GO Build America Taxable Bonds	N/A	N/A	N/A	Aa1	AAA	NR	N/A	N/A	N/A
2016 COPS	N/A	N/A	N/A	NR	AAA	AAA	N/A	N/A	N/A
SERIES 2016	N/A	N/A	N/A	NR	AAA	AAA	N/A	N/A	N/A

TRUSTEE INFORMATION

VARIABLE RATE ISSUES	Rmkt Agent	Reset	Rmkt Fees	Annual Cost	Trustee
SERIES 1993	BAML	DAILY	0.10%	$29,900	BANK OF NY
SERIES 2008-A Refunding	BAML	WED	0.07%	$34,650	BANK OF NY
SERIES 2011-A-1 Refunding	Goldman	WED	0.13%	$62,400	BANK OF NY
SERIES 2011-A-2 Refunding	Morgan S.	WED	0.13%	$41,600	BANK OF NY
SERIES 2009 - A	US Bank	DAILY	0.07%	$42,000	US BANK
SERIES 2009 - B	Goldman	DAILY	0.10%	$60,000	US BANK
			0.10% (Wt. Avg)	$270,550	
FIXED RATE ISSUES					
2010 REFUNDING COPS	N/A	N/A	N/A	N/A	BANK OF NY
2010 GO Build America Taxable Bonds	N/A	N/A	N/A	N/A	US BANK
2016 COPS	N/A	N/A	N/A	N/A	US BANK
SERIES 2016	N/A	N/A	N/A	N/A	BANK OF NY

Remarketing Agents		
Goldman	109,920,000	39%
Morgan Stanley	33,280,000	12%
BAML	79,400,000	28%
US Bank	60,000,000	21%
	282,600,000	

GO VS COP's		
GO:	561,000,000	82%
COPS:	120,520,000	18%
Total	681,520,000	

LOC Banks	
SUMITOMO	49,500,000
BANK OF AMERICA	60,000,000
US BANK	89,900,000
	199,400,000

Breakdown Between Variable & Fixed Rate Mode		
Daily Issues	149,900,000	22%
Weekly Issues	49,500,000	7%
ITN Issues	83,200,000	12%
Sub-Total	282,600,000	
Fixed Rate Issues	$398,920,000	59%
Sub-Total - Fixed	398,920,000	
TOTAL DEBT FIXED & VAR.	681,520,000	100%

vrdsum.xlsx
5/24/2018

Exhibit "D"

IRVINE RANCH WATER DISTRICT
SUMMARY OF DEBT RATES
May-18

Rmkt Agent	GOLDMAN	GOLDMAN	MORGAN STANLEY	MERRILL LYNCH	MERRILL LYNCH	US BANK
Mode	DAILY	WEEKLY	WEEKLY	DAILY	WEEKLY	DAILY
Bond Issue	2009 - B	2011 A-1	2011 A-2	1993	2008-A	2009-A
Par Amount	60,000,000	49,920,000	33,280,000	29,900,000	49,500,000	60,000,000
Bank	BOFA	(SIFMA -1)	(SIFMA -1)	US BANK	Sumitomo	US BANK
Reset		Wednesday	Wednesday		Wednesday	
5/1/2018	1.18%	1.74%	1.74%	1.26%	1.63%	1.21%
5/2/2018	1.14%	1.74%	1.74%	1.22%	1.63%	1.18%
5/3/2018	1.10%	1.60%	1.60%	1.22%	1.44%	1.10%
5/4/2018	1.10%	1.60%	1.60%	1.18%	1.44%	1.09%
5/5/2018	1.10%	1.60%	1.60%	1.18%	1.44%	1.09%
5/6/2018	1.10%	1.60%	1.60%	1.18%	1.44%	1.09%
5/7/2018	1.05%	1.60%	1.60%	1.20%	1.44%	1.06%
5/8/2018	1.05%	1.60%	1.60%	1.17%	1.44%	1.04%
5/9/2018	0.98%	1.60%	1.60%	1.12%	1.44%	1.00%
5/10/2018	0.95%	1.50%	1.50%	1.14%	1.33%	0.95%
5/11/2018	0.95%	1.50%	1.50%	1.08%	1.33%	0.95%
5/12/2018	0.95%	1.50%	1.50%	1.08%	1.33%	0.95%
5/13/2018	0.95%	1.50%	1.50%	1.08%	1.33%	0.95%
5/14/2018	0.93%	1.50%	1.50%	1.01%	1.33%	0.95%
5/15/2018	0.91%	1.50%	1.50%	0.95%	1.33%	0.91%
5/16/2018	0.87%	1.50%	1.50%	0.87%	1.33%	0.89%
5/17/2018	0.82%	1.37%	1.37%	0.84%	1.15%	0.80%
5/18/2018	0.78%	1.37%	1.37%	0.77%	1.15%	0.78%
5/19/2018	0.78%	1.37%	1.37%	0.77%	1.15%	0.78%
5/20/2018	0.78%	1.37%	1.37%	0.77%	1.15%	0.78%
5/21/2018	0.74%	1.37%	1.37%	0.71%	1.15%	0.75%
5/22/2018	0.65%	1.37%	1.37%	0.65%	1.15%	0.69%
5/23/2018	0.57%	1.37%	1.37%	0.60%	1.15%	0.60%
5/24/2018	0.52%	1.19%	1.19%	0.61%	1.04%	0.50%
Avg Interest Rates	0.91%	1.50%	1.50%	0.99%	1.32%	0.92%
Rmkt Fee	0.10%	0.13%	0.13%	0.10%	0.07%	0.07%
LOC Fee	0.40%			0.33%	0.32%	0.41%
All-In Rate	**1.41%**	**1.62%**	**1.62%**	**1.42%**	**1.71%**	**1.40%**
Par Amount	109,920,000		33,280,000	79,400,000		60,000,000

Interest Rate Mode	Percent of Total Variable Rate Debt		Par Outstanding	Weighted All-In Average Rate		Base Rate Average
Daily	53.04%		149,900,000	1.41%		0.93%
Weekly	46.96%		132,700,000	1.65%		1.43%
	100.00%	$	**282,600,000**	1.53%		1.17%
Fixed						
COPS 2010	0.95%		3,775,000	3.82%		
COPS 2016	29.27%		116,745,000	2.90%		
BABS 2010	43.87%		175,000,000	4.46%	(1)	
SERIES 2016	25.92%		103,400,000	3.32%		
	100.00%	$	**398,920,000**	3.70%		
All-In Debt Rate Including $130 Million Notional Amount of Swaps						**3.60%**

(1) Rate adjusted up from 4.35% as a result of sequestration reducing BAB's subsidy by 6.8%

June 5, 2018
Prepared by: J. Davis/T. Fournier
Submitted by: R. Jacobson/C. Clary
Approved by: Paul A. Cook

FINANCE AND PERSONNEL COMMITTEE

QUARTERLY DEFERRED COMPENSATION PLAN AND FUND REVIEW

SUMMARY:

The following is submitted for the Committee's review and consideration:

- A Summary of the Deferred Compensation Program and Distribution of Assets as of March 31, 2018, as outlined in Exhibit "A"; and
- Mutual Fund Performance Review as of March 31, 2018, as outlined in Exhibit "B".

BACKGROUND:

Overview of the Deferred Compensation Assets:

As of March 31, 2018, the District's Section 457(b) and 401(a) Plans (collectively, the "Plans") assets totaled $56,534,149 which represented a $970,280 decrease from the quarter ending December 31, 2017 and a $6,183,848 increase for the one-year period ending March 31, 2017. The decrease in assets for the quarter is primarily due to three retired participants rolling over their assets to another investment provider. The changes in Plan assets over these two periods are summarized as follows:

	For the One-Year Period Ending March 31, 2018	*For the Quarter Ending March 31, 2018*
Beginning Balance	$50,350,301	$57,504,429
Employee Contributions	2,390,779	747,494
District Contributions	898,216	216,882
Transfers to/from Other Plans	785,860	46,942
Distributions	(2,676,225)	(1,783,137)
Loan Distributions[(1)]	(394,601)	(132,586)
Loan Repayments	198,885	61,313
Net Investment Gain (Loss)	4,980,934	(127,187)
Ending Balance – March 31, 2018	$56,534,149	$56,534,149
Change in Assets for the Period	$6,183,848	($970,280)

(1) Number of loans outstanding: 66

Review of Investment Options:

The District's deferred compensation policy states that any investment option performing "Below Benchmark" for four consecutive quarters or seven out of the trailing 12 quarters, has "Failed" the Long-Term Rolling Analysis (LTRA) and the investment option is to be replaced. The Hotchkis and Wiley Mid-Cap Value Fund has performed below the benchmark for seven of the out of the past 12 quarters and is scheduled for replacement, along with three other mutual fund replacements, as part of the 2018 Deferred Compensation Review project approved by the Committee in April 2018:

Current Fund	Replacement	Rationale
Hotchkis & Wiley Mid-Cap Value I	Wells Fargo Special Mid-Cap Value R6	• Performance Violated Investment Policy (1.03% vs 0.77%)
Victory Munder Mid-Cap Growth R6	Hartford Mid-Cap Growth R6	• Under Performance • Lower Cost Option (0.85% vs 0.76%)
Baron Small Cap Growth I	Hood River Small Cap Growth R	• Under Performance • Lower Cost Option (1.06% vs 1.00%)
Harbor International I	American Funds EuroPacific Growth R6	• Under Performance • Lower Cost Option (0.72% vs 0.50%)

Staff will provide an update on the Deferred Compensation Review project at the meeting. The Great-West Financial Fund Performance Review as of March 31, 2018 is attached as Exhibit "B".

FISCAL IMPACTS:

As of March 31, 2018, the District's Plan assets totaled $56,534,149, which represented a $970,280 decrease from the quarter ending December 31, 2017 and a $6,183,848 increase for the one-year period ending March 31, 2018.

ENVIRONMENTAL COMPLIANCE:

This item is not a project as defined in the California Environmental Quality Act Code of Regulations, Title 14, Chapter 3, Section 15378.

RECOMMENDATION:

Receive and file.

LIST OF EXHIBITS:

Exhibit "A" – Summary of the Deferred Compensation Plan and Distribution of Assets
Exhibit "B" – Mutual Fund Performance Review

EXHIBIT "A"

IRVINE RANCH WATER DISTRICT

SUMMARY OF DEFERRED COMPENSATION PROGRAM

March 31, 2018

Deferred Compensation IRS Section 457 (Employee Contributions)

Money Purchase Pension Plan & Executive Plan - IRS Section 401 (a) (District Contribution)

	457	401 (a)	GRAND TOTAL
Assets	**$43,236,700**	**$13,297,449**	**$56,534,149**
Change From Prior Quarter	($903,519)	($66,761)	($970,280)
Change From Prior Year (3/2017)	$4,513,861	$1,669,987	$6,183,848
Quarterly Contributions	**$747,494**	**$216,882**	**$964,377**
Change From Prior Quarter**	*$211,553*	$1,139	

**Increase in contributions is due to one additional pay period in the quarter ended March 31, 2018

	For the One Year Period Ending March 31, 2018	For the Quarter Ending March 31, 2018
Beginning Balance	$50,350,301	$57,504,429
Employee Contributions	2,390,779	747,494
District Contributions	898,216	216,882
Transfers to/from other plans	785,860	46,942
Distributions	(2,676,225)	(1,783,137)
Loan Distributions[1]	(394,601)	(132,586)
Loan Repayment	198,885	61,313
Net Investment Gain (Loss)	4,980,934	(127,187)
Ending Balance - December 31, 2017	$56,534,149	$56,534,149
Change in assets for the period	$6,183,848	($970,280)

[1] Number of loans outstanding as of 3/31/18 : 66

Employee Participation	
Full-time Permanent Employees	361
Permanent Employees Participating	324
Percent Participation	90%

IRVINE RANCH WATER DISTRICT
SUMMARY OF DEFERRED COMPENSATION PROGRAM
DISTRIBUTION OF ASSETS

March 31, 2018

Fund	Assets	Percent of Assets	Change from previous quarter
PROFILE FUNDS			
Aggressive Profile Fund	6,409,666	11.3%	0.1%
Moderate Profile Fund	5,885,826	10.4%	0.0%
Conservative Profile Fund	4,363,824	7.7%	0.4%
Sub Total	**16,659,317**	**29.4%**	**0.5%**
INTERNATIONAL FUND			
Harbor International Instl	1,887,268	3.3%	0.0%
Vanguard Total Intl Stock Index Admiral	1,243,346	2.2%	0.3%
Sub Total	**3,130,614**	**5.5%**	**0.3%**
SMALL CAP FUNDS			
Baron Small-Cap Growth Fund	2,633,025	4.7%	0.3%
Victory Integrity Small Cap	1,370,711	2.4%	-0.3%
Vanguard Small Cap Index	1,139,163	2.0%	-0.2%
Sub Total	**5,142,898**	**9.1%**	**-0.2%**
MEDIUM CAP FUNDS			
Munder Mid-Cap Core Growth Fund	2,000,652	3.5%	0.2%
Hotchkis & Wiley Mid-Cap Value Fund	2,045,566	3.6%	-0.5%
Vanguard Mid-Cap Index Fund	1,519,407	2.7%	-0.1%
Sub Total	**5,565,625**	**9.8%**	**-0.4%**
LARGE CAP FUNDS			
American Growth Fund R4	4,737,438	8.4%	0.1%
Vanguard Institutional Index	6,001,448	10.6%	0.2%
Diamond Hill Large-Cap Fund	2,329,057	4.1%	-0.3%
Sub Total	**13,067,943**	**23.1%**	**0.0%**
BOND FUND			
Metropolitan West Total Return Bond	2,949,502	5.2%	0.7%
Sub Total	**2,949,502**	**5.2%**	**0.7%**
STABLE VALUE FUND			
Putnam Stable Value	7,287,177	12.9%	-0.6%
Sub Total	**7,287,177**	**12.9%**	**-0.6%**
OTHER			
Ameritrade Brokerage	2,731,073	4.9%	-0.2%
Total Assets	**$56,534,149**	**100%**	
LOAN BALANCE OUTSTANDING	**$867,369**		

Exhibit "B"

GREAT-WEST FINANCIAL™

FUND PERFORMANCE REVIEW

Irvine Ranch Water District - 98453-01/02/F1

Reporting Period Ending March 31, 2018

The analytical material contained herein merely describes the process that Great West Financial applies in evaluating funds. It may or may not be based on the plan's current investment policy and is not intended to be used by plan sponsors as a primary basis for deciding whether to make a particular fund available under the plan. Funds listed on the Fund Perfrmance Review are designed to meet stated investment objectives and risk profiles, but do not constitute investment advice from Great West Financial or its affiliate. Plan fiduciaries should review the educational material provided and consult with their investment advisers if necessary to make the investment decision. Neither Great West Financial, nor its representatives, agents or affiliates are permitted to give legal, ERISA, or tax advice. Any discussion of these matters included or related to this document or other educational information is provided for informational purposes only. Such discussion does not purport to be complete or to cover every situation. Current tax and ERISA law are subject to interpretation and legislative change. The appropriateness of any product for any specific taxpayer may vary depending on the particular set of facts and circumstances. You should consult with and rely on your own legal and tax advisers.

Not intended as an offer or solicitation by Great West Financial or any of its affiliates.

AM185511

FUND PERFORMANCE REVIEW

GREAT-WEST FINANCIAL™

IMPORTANT DISCLOSURES:

The Fund Performance Review is compiled at the request of the Plan Sponsor and/or broker. It is designed as a high level analytical tool to aide plan sponsors in carrying out their fiduciary responsibilities; it is not intended as investment advice. Plan Sponsors may wish to review the enclosed material with their investment adviser, consultant or broker, if necessary, prior to making final investment decisions.

Funds listed on the Fund Performance Review are designed to meet stated investment objectives and risk profiles. Risks associated with the investment options can vary significantly and the relative risks of investment categories may change under certain economic conditions. The investment return and principal value of an investment will fluctuate so that an investor's shares, when redeemed, may be more or less than their original cost. *Current performance may be lower or higher than performance data shown due to market activity. Past performance is not a guarantee of future results.*

FUND PERFORMANCE REVIEW: OVERVIEW

GREAT-WEST FINANCIAL™

OBJECTIVE:
* To quantify historical fund performance relative to peer group benchmarks.
* To identify funds that have consistently underperformed over the long-term.
* To assist in identifying style drift and discern gaps within the plan portfolio.

FUNDAMENTALS:
* An objective analysis based on set criteria.
* Based on long-term and risk-adjusted performance.
* Comparison against peer group of similar funds as determined by *Morningstar, Inc.*

SOURCE:
* Statistics are derived from an independent third-party source: primarily Morningstar® Direct℠

SCOPE:
* The Fund Performance Review is designed as a high level analytical tool to aide plan sponsors in carrying out their fiduciary responsibilities; it is not intended as investment advice.

The purpose of this document is to provide investment-related information only for the plan sponsor in its role as a fiduciary to the Plan, not as investment advice for plans or plan participants. Although the data contained in this report is from reliable sources. Advised Assets Group, LLC cannot guarantee its completeness or accuracy. Risks associated with investment options can vary significantly with each particular Investment category and the relative risks of categories may change under certain economic conditions. The investment return and principal of an investment will fluctuate so that an investor's shares, when redeemed, may redeemed, may be more or less than their original cost.

Current performance may be lower or higher than performance data shown due to market volatility. Past performance is no guarantee of future returns.

FUND PERFORMANCE REVIEW (FPR): CRITERIA

GREAT-WEST FINANCIAL

OVERALL RATING: Based on performance, risk-adjusted performance and the Overall Morningstar Rating.

Return Composite: Determined by taking the equal-weighted average of the 3-, 5- and 10-year category return percentiles.

Sharpe Composite: Calculated by averaging the 3- and 5-year category sharpe percentiles.

Overall Composite: The equally-weighted average of the Return Composite and Sharpe Composite.

Overall Morningstar Rating™: Represents a measure of an investment's risk-adjusted return, relative to similar investments.

The Overall Composite is the sole determinate for the Overall Rating for funds that do not have an Overall Morningstar Category Rating.

Overall Composite		Overall Morningstar Rating	Overall Rating
> 50.0%	AND	❸, ❹, or ❺	Above
≥ 50.0%	OR	❸, ❹, or ❺	Neutral
< 50.0%	AND	❶, or ❷	Below
< 25.0%			Below

LONG-TERM ROLLING ANALYSIS: Based on the accumulated trailing 12 quarter "Overall Ratings".

Consecutive number of Quarters Receiving a Below Rating		Total number of Quarters Below out of trailing 12 quarters	Long-Term Rolling Analysis *
< 4 Quarters	AND	< 7 Quarters	Pass
≥ 4 Quarters	OR	≥ 7 Quarters	Fail
	OR		
Overall Rating: < 25.0%			Fail

*'Pass' and 'Fail' ratings in the long-term rolling analysis are not available for target date funds or Great-West SecureFoundation funds. Morningstar's category classification system has not evolved to address differences in target-date glidepaths. The current system separates funds only by target retirement date and does not consider the level of equity in the glidepath (i.e. how aggressive or conservative the glidepath is versus peers). Plans should consider how their demographics align with their chosen target date glidepath rather than attempt to "time the market" by changing glidepaths based on peer performance rankings. All target-date funds will receive an 'N/A' rating in the FPR. The Great-West SecureFoundation funds will also receive an 'N/A' rating in the FPR. These funds are unique in that they also require the purchase of a Guaranteed Lifetime Withdrawal Benefit (Guarantee) either as a fixed deferred annuity contract, a certificate to a group fixed deferred annuity contract, or a rider to a variable annuity contract. The Guarantee provides guaranteed retirement income for the life of a designated person(s), provided certain conditions are met. Plan Sponsors that seek this feature should take a long-term, holistic view with these funds as this benefit does not show up in peer group performance rankings as measured and scored through the FPR process.

For expanded definitions of the Composites, Sharpe Ratio and Ratings, please refer to the corresponding glossary. Information for this fund evaluation was received from what we believe to be reliable sources, but we cannot absolutely guarantee accuracy. The performance data quoted within represents past performance and is not a guarantee or indication of future investment results. For each fund with at least a three-year history, Morningstar calculates a Morningstar Rating based on a Morningstar Risk-Adjusted Return measure that accounts for variation in a fund's monthly performance (including the effects of sales charges, loads, and redemption fees), placing more emphasis on downward variations and rewarding consistent performance. The top 10% of the funds in each category receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars and the bottom 10% receive 1 star. (Each share class is counted as a fraction of one fund within this scale and rated separately, which may cause slight variations in the distribution percentages). The Overall Morningstar Rating for a fund is derived from a weighted average of the performance figures with its three -, five -, and then-year (if-applicable) Morningstar Rating metrics. Past Performance is no guarantee of future results.

Performance Summary: Irvine Ranch Water District

period ended 3/31/2018

	Morningstar Category	Ticker Symbol	Fund Name	Overall Rating: Composite %'s Overall	Return	Sharpe	Mstar Rating		Long-Term Rolling Analysis: Consecutive Quarters Below	# of Quarters Below out of trailing 12	
Intl	Foreign Large Blend	HAINX	Harbor International Institutional	16.8	25.0	8.5	2	Below	3	3 out of 12	Fail
Small-Cap	Small Growth	BSFIX	Baron Small Cap Instl	56.6	44.7	68.5	3	Above	0	0 out of 12	Pass
	Small Value	VSVIX	Victory Integrity Small-Cap Value Y	60.1	70.7	49.5	4	Above	0	0 out of 12	Pass
Mid-Cap	Mid-Cap Growth	MGOSX	Victory Munder Mid-Cap Core Growth R6	28.6	23.7	33.5	2	Below	1	1 out of 12	Pass
	Mid-Cap Value	HWMIX	Hotchkis & Wiley Mid-Cap Value I	22.1	39.7	4.5	2	Below	5	7 out of 12	Fail
Large-Cap	Large Growth	RGAFX	American Funds Growth Fund of Amer R5	75.8	63.7	88.0	4	Above	0	0 out of 12	Pass
	Large Value	DHLYX	Diamond Hill Large Cap Y	85.2	89.3	81.0	5	Above	0	0 out of 12	Pass
Bond	Intermediate-Term Bond	MWTIX	Metropolitan West Total Return Bd I	64.1	68.7	59.5	4	Above	0	0 out of 12	Pass
Index Funds	Foreign Large Blend	VTIAX	Vanguard Total Intl Stock Index Admiral (Idx)	65.7	64.3	67.0	3	N/A	N/A	0 out of 12	Pass
	Small Blend	VSMAX	Vanguard Small Cap Index Adm (Idx)	78.3	74.7	82.0	4	N/A	N/A	0 out of 12	Pass
	Mid-Cap Blend	VIMAX	Vanguard Mid Cap Index Admiral (Idx)	73.7	70.3	77.0	4	N/A	N/A	0 out of 12	Pass
	Large Blend	VINIX	Vanguard Institutional Index I (Idx)	88.2	85.3	91.0	4	N/A	N/A	0 out of 12	Pass

Data Source: Morningstar® Direct℠

Please refer to the Appendix page for additional disclosures

Return Analysis: Irvine Ranch Water District

period ended 3/31/2018

	Fund Name	1st Qtr 2018 Return	1st Qtr 2018 Percentile	Performance vs. Benchmark (Annualized Returns and Return Percentiles %) 1 Year Return	1 Year Percentile	3 Year Return	3 Year Percentile	5 Year Return	5 Year Percentile	10 Year Return	10 Year Percentile	Incept. Date
Intl	Foreign Large Blend Peer Group	-0.83	50	15.65	50	5.68	50	6.33	50	2.64	50	
	Harbor International Institutional	-0.58	64	12.39	9	3.66	9	4.67	11	2.79	55	12/29/1987
Small-Cap	Small Growth Peer Group	2.57	50	18.06	50	8.83	50	12.03	50	10.47	50	
	Baron Small Cap Instl	2.86	55	20.77	67	9.11	55	11.40	37	10.10	42	5/29/2009
	Small Value Peer Group	-2.54	50	6.03	50	7.14	50	9.94	50	8.89	50	
	Victory Integrity Small-Cap Value Y	-3.67	19	7.03	61	6.54	41	10.88	77	10.92	94	7/7/2005
Mid-Cap	Mid-Cap Growth Peer Group	2.59	50	18.87	50	8.38	50	11.95	50	9.47	50	
	Victory Munder Mid-Cap Core Growth R6	-0.30	15	16.40	32	6.50	18	10.93	23	8.79	30	6/1/2012
	Mid-Cap Value Peer Group	-2.27	50	6.64	50	6.60	50	10.29	50	8.81	50	
	Hotchkis & Wiley Mid-Cap Value I	-2.05	56	4.65	17	3.67	8	8.77	16	11.09	95	1/2/1997
Large-Cap	Large Growth Peer Group	2.62	50	20.94	50	11.15	50	14.31	50	10.02	50	
	American Funds Growth Fund of Amer R5	3.01	59	20.41	46	13.10	79	15.17	67	9.85	45	5/15/2002
	Large Value Peer Group	-2.50	50	9.05	50	7.68	50	10.39	50	7.65	50	
	Diamond Hill Large Cap Y	-3.75	13	8.95	49	9.65	90	12.41	95	8.78	83	12/30/2011
Bond	Intermediate-Term Bond Peer Group	-1.41	50	1.27	50	1.22	50	1.75	50	3.93	50	
	Metropolitan West Total Return Bd I	-1.30	63	1.17	45	1.14	43	2.03	68	5.34	95	3/31/2000
Index Funds	Vanguard Total Intl Stock Index Admiral (Idx)	-0.46	70	17.05	70	6.92	83	6.41	53	2.83	57	11/29/2010
	Vanguard Small Cap Index Adm (Idx)	-0.21	61	11.82	75	8.06	61	11.66	76	10.72	87	11/13/2000
	Vanguard Mid Cap Index Admiral (Idx)	0.01	84	12.31	78	7.86	56	12.26	86	10.14	69	11/12/2001
	Vanguard Institutional Index I (Idx)	-0.77	59	13.96	66	10.75	89	13.28	86	9.50	81	7/31/1990

Investment options available in the plan may be through mutual funds, collective trusts, separately managed accounts and/or a group fixed and variable annuity contract. *Current performance may be lower or higher than performance data shown. Performance data quoted represents past performance and is not a guarantee or prediction of future results. The investment return and principal value of an investment will fluctuate so that, when redeemed shares/units may be worth more or less than their original cost.* For performance data current to the most recent month-end, please visit www.empower-retirement.com/participant. Total return performance shown above represents that of the underlying fund and does not include a deduction for any applicable annuity contract of administrative fees/expenses. Performance numbers shown above would be less after applicable fee/expenses are deducted.

Data Source: Morningstar® Direct℠

Please refer to the Appendix page for additional disclosures

Sharpe Ratio and Expense Analysis: Irvine Ranch Water District

period ended 3/31/2018

	Fund Name	Sharpe Ratios and Percentiles %				Standard Deviation		Expense Ratio	Expense Percentile %	Manager Tenure (yrs)	Fund Size $MM
		3 Yr Ratio	3 Yr %	5 Yr Ratio	5 Yr %	3 Yr	5 Yr				
Intl	Foreign Large Blend Peer Group	0.48	50	0.56	50	11.61	11.53	1.00	50		
	Harbor International Institutional	0.30	7	0.40	10	12.96	12.48	0.72	77	9	26,648
Small-Cap	Small Growth Peer Group	0.66	50	0.89	50	13.61	13.62	1.15	50		
	Baron Small Cap Instl	0.74	70	0.94	67	12.00	11.85	1.05	65	21	4,221
	Small Value Peer Group	0.53	50	0.74	50	13.73	13.43	1.18	50		
	Victory Integrity Small-Cap Value Y	0.46	35	0.77	64	14.58	14.22	1.15	54	14	2,495
Mid-Cap	Mid-Cap Growth Peer Group	0.70	50	1.00	50	11.46	11.40	1.08	50		
	Victory Munder Mid-Cap Core Growth R6	0.58	24	0.98	43	10.99	10.80	0.85	80	17	3,654
	Mid-Cap Value Peer Group	0.55	50	0.90	50	11.26	10.94	1.05	50		
	Hotchkis & Wiley Mid-Cap Value I	0.26	5	0.61	4	16.98	15.11	1.03	51	21	1,795
Large-Cap	Large Growth Peer Group	0.93	50	1.23	50	11.66	11.22	0.96	50		
	American Funds Growth Fund of Amer R5	1.10	90	1.36	86	11.32	10.59	0.38	96	24	177,765
	Large Value Peer Group	0.69	50	0.98	50	10.73	10.26	0.90	50		
	Diamond Hill Large Cap Y	0.83	83	1.10	79	11.19	10.92	0.55	90	16	5,764
Bond	Intermediate-Term Bond Peer Group	0.26	50	0.48	50	2.68	2.96	0.67	50		
	Metropolitan West Total Return Bd I	0.24	47	0.60	72	2.38	2.77	0.44	84	21	78,068
Index Funds	Vanguard Total Intl Stock Index Admiral (Idx)	0.58	81	0.57	53	11.72	11.54	0.11	97	10	341,618
	Vanguard Small Cap Index Adm (Idx)	0.65	74	0.95	90	12.13	12.08	0.06	98	2	84,478
	Vanguard Mid Cap Index Admiral (Idx)	0.71	65	1.14	89	10.60	10.38	0.06	97	20	95,071
	Vanguard Institutional Index I (Idx)	0.99	90	1.28	92	10.26	9.87	0.04	98	17	220,311

A Percentile Ranking of 100% represents the highest performance whereas 0% represents the lowest.
Expense refers to the Prospectus Net Expense Ratio

Data Source: Morningstar® Direct℠
Please refer to the Appendix page for additional disclosures

Annual Returns and Statistics: Irvine Ranch Water District

period ended 3/31/2018

		Calendar Year Returns					Modern Portfolio Theory Statistics (3 year)			Portfolio Construction		
	Fund Name	2017	2016	2015	2014	2013	Alpha	Beta	R2	Turnover Ratio	Number of Holdings	% in top 10 holdings
Intl	Foreign Large Blend Peer Group	25.38	1.10	-1.28	-5.32	20.43						
	Harbor International Institutional	22.90	0.25	-3.82	-6.81	16.84	-2.33	1.00	92	13	78	33%
Small-Cap	Small Growth Peer Group	21.97	10.75	-1.98	3.45	41.19						
	Baron Small Cap Instl	27.45	10.26	-5.01	1.95	38.10	0.61	1.00	90	29	76	31%
	Small Value Peer Group	8.95	26.21	-6.34	4.25	35.75						
	Victory Integrity Small-Cap Value Y	12.35	24.38	-6.65	7.33	41.02	-1.27	1.01	96	58	135	14%
Mid-Cap	Mid-Cap Growth Peer Group	24.56	5.85	-0.06	7.73	35.52						
	Victory Munder Mid-Cap Core Growth R6	24.73	7.58	-4.20	10.40	33.93	-1.99	0.99	93	55	79	22%
	Mid-Cap Value Peer Group	12.85	17.83	-4.65	10.27	35.06						
	Hotchkis & Wiley Mid-Cap Value I	7.78	21.00	-12.53	12.18	42.55	-1.95	1.11	87	37	61	38%
Large-Cap	Large Growth Peer Group	28.80	2.86	4.83	10.61	34.61						
	American Funds Growth Fund of Amer R5	26.44	8.75	5.65	9.61	34.20	0.67	0.99	92	25	398	27%
	Large Value Peer Group	16.15	14.52	-3.55	10.94	31.90						
	Diamond Hill Large Cap Y	20.42	14.74	-0.74	10.89	36.87	-0.95	1.05	95	18	52	34%
Bond	Intermediate-Term Bond Peer Group	3.76	2.98	0.08	5.58	-1.69						
	Metropolitan West Total Return Bd I	3.43	2.46	0.29	5.99	0.50	0.01	0.88	98	313	1883	34%
Index Funds	Vanguard Total Intl Stock Index Admiral (Idx)	27.55	4.67	-4.26	-4.17	15.14	1.03	0.93	98	3	6229	8%
	Vanguard Small Cap Index Adm (Idx)	16.24	18.30	-3.64	7.50	37.81	1.03	0.92	99	15	1440	3%
	Vanguard Mid Cap Index Admiral (Idx)	19.25	11.22	-1.34	13.76	35.15	-0.71	0.98	99	14	343	7%
	Vanguard Institutional Index I (Idx)	21.79	11.93	1.37	13.65	32.35	-0.03	1.00	100	5	512	21%

A Percentile Ranking of 100% represents the highest performance whereas 0% represents the lowest.

The Fund Performance Review is a proprietary high level analytical tool that is used to evaluate fund performance and is not intended as an offer or solicitation of securities, or as investment advice. Investment options available in the plan may be through mutual funds and/or a group fixed and variable annuity contract. *Current performance may be lower or higher than performance data shown. Performance data quoted represents past performance and is not a guarantee or prediction of future results. The investment return and principal value of an investment will fluctuate so that, when redeemed, shares/units may be worth more or less than their original cost.* Total return performance shown above represents that of the underlying fund and does not include a deduction for any applicable annuity contract of administrative fees/expenses. Performance numbers shown above would be less after applicable fee/expenses are deducted.

Data Source: Morningstar® Direct℠

Please refer to the Appendix page for additional disclosures

Index Performance

period ending 3/31/2018

	Index	Total Return 1 Year	Total Return Annlzd 3 Year	Total Return Annlzd 5 Year	Total Return Annlzd 10 Year	Annual Return 2017	Annual Return 2016	Annual Return 2015	Annual Return 2014	Annual Return 2013
International	MSCI EMF ID	22.17	6.31	2.50	0.59	34.35	8.58	-16.96	-4.63	-4.98
	MSCI Eafe Ndtr_D	14.80	5.55	6.50	2.74	25.03	1.00	-0.81	-4.90	22.78
	MSCI World Ndtr_D	13.59	7.97	9.70	5.90	22.40	7.51	-0.87	4.94	26.68
Small-Cap	Russell 2000 Growth	18.63	8.77	12.90	10.95	22.17	11.32	-1.38	5.60	43.30
	Russell 2000	11.79	8.39	11.47	9.84	14.65	21.31	-4.41	4.89	38.82
	Russell 2000 Value	5.13	7.87	9.96	8.61	7.84	31.74	-7.47	4.22	34.52
Mid-Cap	Russell Midcap Growth	19.74	9.17	13.31	10.61	25.27	7.33	-0.20	11.90	35.74
	Standard & Poor's Midcap 400	10.97	8.96	11.97	10.90	16.24	20.74	-2.18	9.77	33.50
	Russell Midcap Value	6.50	7.23	11.11	9.81	13.34	20.00	-4.78	14.75	33.46
Large-Cap	Russell 1000 Growth	21.25	12.90	15.53	11.34	30.21	7.08	5.67	13.05	33.48
	Standard & Poor's 500 TR	13.99	10.78	13.31	9.49	21.83	11.96	1.38	13.69	32.39
	Russell 1000 Value	6.95	7.88	10.78	7.78	13.66	17.34	-3.83	13.45	32.53
Bond	BBgBarc US Aggregate Bond	1.20	1.20	1.82	3.63	3.54	2.65	0.55	5.97	-2.02
	BBgBarc US Capital Credit	2.59	2.16	2.83	5.15	6.18	5.63	-0.77	7.53	-2.01
	BBgBarc US Mortgage-Backed	0.77	1.12	1.80	3.46	2.47	1.67	1.51	6.08	-1.41
	BBgBarc US Government Bond	0.44	0.48	1.07	2.70	2.30	1.05	0.86	4.92	-2.60
	BBgBarc US 1-3 Year Government	0.02	0.40	0.53	1.22	0.45	0.87	0.57	0.64	0.37

MSCI EMF ID	A capitalization-weighted index of stocks from 26 emerging markets that only includes issues that may be traded by foreign investors. The reported returns reflect equities priced in US dollars and do not include the effects of reinvested dividends.
MSCI EAFE Ndtr_D	Widely accepted as a benchmark for international stock performance, the EAFE Index is an aggregate of 21 individual country indexes that collectively represent many of the major markets of the world.
MSCI World Ndtr_D	Includes all 23 MSCI developed market countries. Ndtr_D indexes are calculated daily and take into account actual dividends reinvested daily before withholding taxes, but exclude special tax credits declared by companies.
Russell 2000 Growth	Market-weighted total return index that measures the performance of companies within the Russell 2000 Index having higher price-to-book ratios and higher forecasted growth values.
Russell 2000	Consists of the smallest 2000 companies in the Russell 3000 Index, representing approximately 7% of the Russell 3000 total market capitalization.
Russell 2000 Value	Market-weighted total return index that measures the performance of companies within the Russell 2000 Index having lower price-to-book ratios and lower forecasted growth values.
Russell Mid Cap Growth	Market-weighted total return index that measures the performance of companies within the Russell Midcap Index having higher price-to-book ratios and higher forecasted growth values.
Standard & Poor's Midcap 400	Includes approximately 10% of the capitalization of U.S. equity securities. These are comprised of stocks in the middle capitalization range.
Russell Mid Cap Value	Market-weighted total return index that measures the performance of companies within the Russell Midcap Index having lower price-to-book ratios and lower forecasted growth values.
Russell 1000 Growth	Market-weighted total return index that measures the performance of companies within the Russell 1000 Index having higher price-to-book ratios and higher forecasted growth values.
Standard & Poor's 500	A market capitalization-weighted index of 500 widely held stocks often used as a proxy for the stock market. It measures the movement of the largest issues. Standard and Poor's chooses the member companies for the 500 based on market size, liquidity and industry group representation.
Russell 1000 Value	Market-weighted total return index that measures the performance of companies within the Russell 1000 Index having lower price-to-book ratios and lower forecasted growth values.
BBgBarc US Aggregate Bond	Composed of the Bloomberg Barclays Govt/Credit Index, the Mortgage-Backed Securities Index, and the Asset-Backed Securities Index.
BBgBarc US Capital Credit	Listed for corporate bond-general and high-quality funds. This index tracks the returns of all publicly issued, fixed-rate, nonconvertible, dollar-denominated, SEC-registered, investment-grade corporate debt.
BBgBarc US Mortgage-Backed	Includes 15- and 30-year fixed-rate securities backed by mortgage pools of the Government National Mortgage Association (GNMA).
BBgBarc US Government Bond	Listed for government-bond general and Treasury funds because it tracks the returns of U.S. Treasuries, agency bonds, and one- to three-year U.S. government obligations. This index is effective for tracking portfolios holding non-mortgage government securities.
BBgBarc US 1-3 Year Governme	Comprised of both the Treasury Bond index (all public obligations of the U.S. Treasury, excluding flower bonds and foreign-targeted issues) and the Agency Bond Index (all publicly issued debt of U.S. Government agencies and quasi-federal corporations and corporate-debt guaranteed by the U.S. Government).

A benchmark index is not actively managed, does not have a defined investment objective and does not incur fees or expenses. Therefore, performance of a fund will generally be less than its benchmark index. You cannot invest directly in a benchmark index.

Data Source: Morningstar® Direct℠

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S&P 400® Index is a registered trademark of Standard & Poor's Financial Services LLC ("Standard & Poor's), and is an unmanaged index considered indicative of the domestic Mid-Cap equity market
Please refer to the Appendix page for additional disclosures

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Prior to selecting investment options for your plan, plan sponsors should consider the investment objectives, risks, fees and expenses carefully. For this and other important information, you may obtain prospectuses for mutual funds, any applicable annuity contract and the annuity's underlying funds and/or additional disclosure documents for investment options exempt from SEC registration from your registered representative. Read these materials carefully before making a selection.

About investment risk:

Equity securities of small-sized and medium-sized companies may be more volatile than securities of larger, more established companies. Foreign investments involve special risks, including currency fluctuations and political developments. Equity securities of companies located in emerging markets involve greater risks than investing in more established markets, including currency fluctuations, political developments and share illiquidity. Real estate securities involve greater risks than other non-diversified investments, including, but not limited to: declining property values, varying economic conditions, changes in zoning laws, or losses from casualty. Real estate securities that invest in foreign real estate involve additional risk, including currency fluctuations and political developments. Specialty funds invest in a limited number of companies and are generally non-diversified. As a result, changes in market value of a single issuer could cause greater volatility than with a more diversified fund. Commodities may have greater volatility than traditional securities. The value of commodities may be affected by changes in overall market movements, changes in interest rates or sectors affecting a particular industry or commodity, and international economic, political and regulatory developments. Alternative investments generally invest in non-traditional asset categories or strategies. As a result, such investments are subject to unique risks and may be more speculative than traditional investments. These investments may also have direct or indirect exposure to derivatives, which may be more volatile and less liquid than traditional securities. As a result, the option could suffer losses on its derivative positions.

Asset allocation funds are subject to the risks of the underlying investments, which can be a mix of stocks/stock funds, bonds/bond funds and other types of investments. Depending on the types of investments in this fund, an investor may face the following risks. Stock values fluctuate in response to the activities of the general market, individual companies and economic conditions. Bond values fluctuate in response to the financial condition of individual issuers, general market and economic conditions, and changes in interest rates. In general, when interest rates rise, bond values fall and investors may lose principal value. Compared to higher-rated securities, high yield bond investment options are subject to greater risk, including the risk of default.

The date in a target date fund's name is the approximate date when investors plan to start withdrawing their money (generally assumed at age 65). The principal value of the fund(s) is not guaranteed at any time, including at the time of the target date and/or withdrawal.

It is possible to lose money by investing in a money market fund. Although the fund seeks to preserve the value of your investment at $1 per share, it cannot guarantee it will do so. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.

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About Overall Morningstar Rating™

For each fund with at least a three-year history, Morningstar calculates a Morningstar Rating™ based on a Morningstar Risk-Adjusted Return (including the effects of sales charges, loads and redemption fees), placing more emphasis on downward variations and rewarding consistent performance. The top 10% of funds receive 5 stars, the next 22.5% receive 4 stars, the next 35% receive 3 stars, the next 22.5% receive 2 stars and the bottom 10% receive 1 star. (Each share class is counted as a fraction of one fund within this scale and rated separately, which may cause slight variations in the distribution percentages.) The overall Morningstar Rating for a fund is derived from a weighted average of the performance figures associated with its three-, five- and ten-year (if applicable) Morningstar Rating metrics. Please note, for any funds with a newer share class, the rating information is based on extended performance, which is derived from the historical performance of the older class shares, not adjusted for fees. Past performance is no guarantee of future results.

About Morningstar Rankings

Peer groups are created using Morningstar's category classification system. Peer groups are the combination of all share classes of all mutual funds in Morningstar's Open End Fund database (in a given asset class), all collective investment trusts in Morningstar's Separate Accounts/CITs database (in the same asset class), and all funds in Morningstar's Insurance and Pension Funds database (in the same asset class). As an example, the Large Blend peer group is created as a combination of all share classes of all mutual funds in Morningstar's US Fund Large Blend category, all collective investment trusts in Morningstar's US SA Large Blend category, and all funds in Morningstar's US Insurance Large Blend category. Please note, for any funds with a newer share class, the ranking information is based on extended performance, which is derived from the historical performance of the older class shares, not adjusted for fees.

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12b-1 Fee The maximum annual charge deducted from fund assets to pay for distribution and marketing costs. Although usually set on a percentage basis, this amount will occasionally be a flat figure.

Actively managed A fund attempts to add portfolio value through such active investment techniques as sector allocation (top-down) and/or security selection (bottom-up).

Aggressive Growth (Objective) Funds that seek high growth of capital. Investments may include smaller companies, companies in newly-emerging industries or in

Alpha is the coefficient that measures the portion of an investment's return arising from non-market or unsystematic risk. In actively managed portfolio. Alpha is considered to be the vaue added by the manager through sector or security selection. A negative alpha would indicate that active management had produced less-than-market returns.

Annual Returns Total returns calculated on a calendar -year basis. The annual return for a fund will be the same as its trailing 12-month total return only at year-end

Annualized Returns Returns for periods longer than one year are expressed as "annualized returns." This is equivalent to the compound rate of return which, over a certain period of time, would produce a fund's total return over that same period.

Asset Allocation (Objective) Funds that seek high total return by investing in a mix of equities, fixed-income securities and money market instruments.

Barclays Capital Aggregate Index Composed of the Barclays Capital Govt/Credit Index, the Mortgage-Backed Securities Index, and the Asset-Backed Securities Index. The returns published for the index are total returns, which include reinvestment of dividends.

Barclays Capital Government Bond Index Listed for government-bond general and Treasury funds. Because it tracks the returns of U.S. Treasuries, agency bonds, and one- to three-year U.S. government obligations, this index is effective for tracking portfolios holding non-mortgage government securities. The returns published for the index are total returns, which include reinvestment of dividends.

Basis Point One-hundredth of a percentage point. For example, 50 basis points equals .50%.

Beta also known as market or systematic risk, beta is the coefficient that measures an investment's volatility relative to "the market" (the S & P 500 Index has a beta of 1.00) as a whole. Portfolios with a beta greater than 1.00 will move higher or lower than the market as a whole, while those with betas of less than 1.00 will move less than the market.

Bond funds Contrary to individual bonds, which offer a guaranteed rate of return, bond funds are variable funds and their returns may rise or fall depending on market conditions. Funds with 70% or more of their assets invested in bonds are classified as Bond Funds. Bond funds are divided into two main groups: Taxable Bond and Municipal Bond. Taxable Bond Fund categories include the following: Long-Term Government, Intermediate-Term Government, Short-Term Government, Long-Term Bond, Intermediate-Term Bond, Short-Term Bond, Ultrashort-Bond, International- Bond, High-Yield Bond, Emerging-Markets Bond and Multisector Bond.

Capital Appreciation The market rise in share value of a company as it experiences growth in earnings and/or assets. By extension, funds will experience capital appreciation as the underlying securities in their portfolios appreciate in value.

Capitalization The total market value of all stock issued by a company. Funds are frequently categorized by the market capitalization of the stocks in their portfolios; i.e., "small cap" generally refers to companies valued by the market at less than $1 billion, "Mid-cap" to companies valued between $1 billion and $5 billion, and "Large-cap" to companies valued at more than $5 billion.

Corporate Bond--General (Objective) Funds that seek income by investing in fixed-income securities. Funds with this objective may hold a variety of issues, including but not limited to government bonds, high-quality corporates, mortgages, asset-backeds, bank loans and junk bonds.

APPENDIX - GLOSSARY (CONT.)

GREAT-WEST FINANCIAL

Corporate Bond--High Yield (Objective) Funds that seek income by generally investing 65% or more of their assets in bonds rated below BBB. The price of these issues is generally affected more by the condition of the issuing company (similar to a stock) than by the interest-rate fluctuation that usually causes bond prices to move up and down.

Diversification The investment practice of spreading assets in a portfolio among a number of different companies, industries, sectors and/or instruments. Under Modern Portfolio Theory, the practice of diversification may assist an investor in reducing overall portfolio risk and evening out portfolio returns.

Domestic equity funds are placed in a category based on the style and size of the stocks they typically own. The style and size parameters are based on the divisions used in the investment style box: Value, Blend, or Growth style and Small, Medium, or Large median market capitalization.

Duration A measure of the sensitivity of the price of a fixed-income security to a change in interest rates. Duration is expressed as a number of years. Duration is a measure of interest rate risk. The larger the duration number, the greater the interest rate risk or reward for bond prices.

Equity-Income (Objective) Funds that are expected to pursue current income by investing at least 65% of their assets in dividend-paying equity securities.

Excess Returns The percentage of fund assets paid for operating and administrative expenses, as well as management fees. Fund expenses are reflected in a Fund's NAV.

Expense Ratio The percentage of fund assets paid for operating expenses and management fees, including 12b-1 fees, administrative fees, and all other asset-based costs incurred by the fund, except brokerage costs. Fund expenses are reflected in the fund's NAV. Sales charges are not included in the expense ratio.

Foreign Stock Category An international fund having no more than 10% of stocks invested in the United States.

Fund of Funds A fund that specializes in buying shares in other mutual funds rather than individual securities. Quite often this type of fund is not discernible from its name alone, but rather through prospectus wording (i.e.: the fund's charter).

Government Bond--General (Objective) Offerings that pursue income by investing in a combination of mortgage-backed securities, Treasuries, and agency securities.

Growth (Objective) Funds that pursue capital appreciation by investing primarily in equity securities. Current income, if considered at all, is a secondary concern.

Growth and Income (Objective) Growth of capital and current income are near-equal objectives for these funds. Investments are typically selected for both appreciation potential and dividend-paying ability.

Index Fund A fund that tracks a particular index and attempts to match returns. While an index typically has a much larger portfolio than a mutual fund, the fund's management may study the index's movements to develop a representative sampling, and match sectors proportionately.

Information Ratio Is an alternative to the Sharpe Ratio for measuring the risk-adjusted performance of a portfolio. It is calculated by subtracting the benchmark (usually an index) from the return of the portfolio as a whole, then dividing by the tracking error (standard deviation of the difference between portfolio returns and the returns of the index). The higher the Information Ratio, the better the more consistent a manager is.

International Equity Funds with 40% or more of their equity holdings in foreign stocks (on average over three years) are placed in the international equity class. These categories include Europe, Japan, International Hybrid, Latin America, Diversified Pacific, Pacific ex. Japan, Specialty Precious Metals, Diversified Emerging Markets, World Stock, and Foreign Stock. Foreign investments involve special risks, including currency fluctuations and political developments.

Life Cycle These funds are geared toward investors of a certain age or with a specific time horizon for investing. Typically they are grouped together in sets (i.e. conservative, moderate, and aggressive portfolios).

Management Fees The management fee is the percentage deducted from fund assets to pay an advisor or subadvisor. Often, as the fund's net assets grow, the percentage deducted for management fees decreases. For example, a particular fund may report a management fee of 0.40% on the first $500 million in assets, 0.35% on all assets between $500 million and $1 billion, and 0.30% on assets in excess of $1 billion. Thus, if the fund contains $1.5 billion in total net assets, the advisor scales back its management fees accordingly. Alternatively, the fund may compute the fee as a flat percentage of average net assets. The management fee might also come in the form of a group fee (G), a performance fee (P), or a gross income fee (I). Note: The management fee is just one (albeit a major) component of a fund's costs. The overall expense ratio is the most useful number for investors. Actual fees are also noted in this section.

Morningstar Category identifies funds based on their actual investment styles as measured by their underlying portfolio holdings (portfolio statistics and compositions over the past three years). If the fund is new and has no portfolio, we estimate where it will fall before assigning a more permanent category. When necessary, we may change a category assignment based on current information.

MSCI EAFE Ndtr_D Listed for foreign stock funds (EAFE refers to Europe, Australasia, and Far East). Widely accepted as a benchmark for international stock performance, the EAFE Index is an aggregate of 21 individual country indexes that collectively represent many of the major markets of the world. Ndtr_D indexes are calculated daily and take into account actual dividends reinvested daily before withholding taxes, but exclude special tax credits declared by companies. In addition, Ndtr_D indexes subtract withholding taxes retained at the source, for foreigners who do not benefit from a double taxation treaty. The returns published for the index are total returns, which include reinvestment of dividends.

MSCI World Ndtr_D Includes all 23 MSCI developed market countries. Ndtr_D indexes are calculated daily and take into account actual dividends reinvested daily before withholding taxes, but exclude special tax credits declared by companies. In addition, Ndtr_D indexes subtract withholding taxes retained at the source, for foreigners who do not benefit from a double taxation treaty.

Mutual fund An investment option that pools money from many shareholders and invests it in a group of stocks, bonds, or other securities. Also known as an open-end investment management company, mutual funds are securities required to be registered with the SEC.

NAV Stands for net asset value, which is the fund's share price. Funds compute this value by dividing the total net assets by the total number of shares.

Net Assets The month-end net assets of the mutual fund, recorded in millions of dollars. Net-asset figures are useful in gauging a fund's size, agility, and popularity. They help determine whether a small company fund, for example, can remain in its investment-objective category if its asset base reaches an ungainly size.

Prospectus A fund's formal written statement, generally issued on an annual basis. In this statement the fund sets forth its proposed purposes and goals, and other facts (e.g.: history and investment objective) that an investor should know in order to make an informed decision.

Prospectus Objective Indicates a particular fund's investment goals, based on the wording in a fund's prospectus.

R-squared (R2) measures the degree to which movement in one variable is related to the movement in another variable. Portfolios with a high R-squared will react similarly to various market conditions. By combining investments with low correlations, an investor can reduce the overall risk within a portfolio.

Risk Basically there are four types of risk: 1) inflation risk means your money may not earn enough in the long run because as prices go up the value of your money goes down; 2) market risk means you could lose money because the price of a stock may go down; 3) credit risk means a company or organization that borrowed your money may not be able to pay it back; and 4) interest rate risk means you could lose money because as interest rates go up the value of bond investments goes down.

APPENDIX - GLOSSARY (CONT.)

GREAT-WEST FINANCIAL

Russell 1000 Consists of the 1000 largest companies within the Russell 3000 index. Also known as the Market-Oriented Index, because it represents the group of stocks from which most active money managers choose. The returns published for the index are total returns, which include reinvestment of dividends.

Russell 1000 Growth Market-capitalization weighted index of those firms in the Russell 1000 with higher price-to-book ratios and higher forecasted growth values. The Russell 1000 includes the largest 1000 firms in the Russell 3000, which represents approximately 98% of the investable US equity market.

Russell 1000 Value Market-capitalization weighted index of those firms in the Russell 1000 with lower price-to-book ratios and lower forecasted growth values. The Russell 1000 includes the largest 1000 firms in the Russell 3000, which represents approximately 98% of the investable US equity market.

Russell 2000 Consists of the smallest 2000 companies in the Russell 3000 Index, representing approximately 7% of the Russell 3000 total market capitalization. The returns published for the index are total returns, which include reinvestment of dividends.

Russell 2000 Growth Market-weighted total return index that measures the performance of companies within the Russell 2000 Index having higher price-to-book ratios and higher forecasted growth values. The Russell 2000 Index includes the 2000 firms from the Russell 3000 Index with the smallest market capitalizations. The Russell 3000 Index represents 98% of the of the investable US equity market.

Russell 2000 Value Market-weighted total return index that measures the performance of companies within the Russell 2000 Index having lower price-to-book ratios and lower forecasted growth values. The Russell 2000 Index includes the 2000 firms from the Russell 3000 Index with the smallest market capitalizations. The Russell 3000 Index represents 98% of the of the investable US equity market.

Share Classes Shares of the same fund that offer different shareholder rights and obligations, such as different fee and load charges. Common share classes are A (front-end load), B (deferred fees), C (no sales charge and a relatively high annual 12b-1 fee, such as 1.00%). Multi-class funds hold the same investment portfolio for all classes, and differ only in their surrounding fee structure.

Sharpe Ratio measures the risk-adjusted performance of a portfolio. It is calculated by subtracting the risk-free rate of return (i.e., the return on treasury bills) from the return of the portfolio as a whole, then dividing by the standard deviation of the returns. The higher the Sharpe Ratio, the better the risk-adjusted performance of the portfolio.

Sortino Ratio is similar to the Sharpe Ratio, except that it uses downside deviation for the denominator instead of standard deviation. This alternative to the Sharpe Ratio provides a risk-adjusted measure of a security or fund's performance without penalizing it for upward price movements.

Standard Deviation A statistical measurement of dispersion about an average, which, for a mutual fund, depicts how widely the returns varied over a certain period of time. Investors use the standard deviation of historical performance to try to predict the range of returns that are most likely for a given fund. When a fund has a high standard deviation, the predicted range of performance is wide, implying greater volatility.

Tax-deferred earnings You don't have to pay taxes on any earnings in your defined contribution plan until you withdraw your money. The money in a defined contribution plan can grow faster than with other types of savings plans, because the earnings you accumulate, if any, are also tax-deferred.

Turnover Ratio A measure of the percentage of holdings that have been "turned over" -- replaced with other holdings -- within a portfolio during the course of a year.

Variable funds Investments that fluctuate with market conditions. Unlike guaranteed investments, such as bonds or CDs, variable funds don't guarantee a specific rate of return. They do offer potential for higher earnings in return for higher degree of market risk.

World Stock Category An international fund having more than 10% of stocks invested in the US. Also known as global funds. Foreign Investments involve special risks, including currency fluctuations and political developments.

June 5, 2018
Prepared by: C. Smithson CS
Submitted by: C. Clary CC
Approved by: Paul A. Cook

FINANCE AND PERSONNEL COMMITTEE

IRVINE LAKE AGREEMENT – WATER SALES AMENDMENT
TERMS AND CONDITIONS APPROVAL

SUMMARY:

Staff has been working with the Irvine Company to establish future usage and related revenue from the sale of native water from Irvine Lake. A portion of the revenue produced by native water sales is applied to connection fees for the developing Improvement Districts (ID) 153/253. Staff has developed an agreement with the Irvine Company to ensure that the Irvine Company pays its fair share of capital infrastructure (without overpaying), recognizing that future sales of native water will reduce the amount of connection fees for ID 153/253. Staff has prepared key terms and conditions to address this matter, and recommends that the Board authorize the General Manager to work with IRWD Legal Counsel and the Irvine Company to develop and execute an amendment to the 1974 Irvine Lake Agreement, based on the attached Terms and Conditions, pertaining to the application of revenue from native water sales to Improvement District 153/253.

BACKGROUND:

IRWD's Long-term Capital Funding Plan (LTFP), completed in November 2013, established connection fees and formed new IDs for funding capital requirements and setting tax rates. A fundamental concept in IRWD's LTFP is that the costs of new capital facilities are shared equally between the connection fees paid by a developer and property taxes paid by property owners (also known as "The 50/50 Rule"). IRWD uses a comprehensive financial model to incorporate regional capital costs, future development, growth rates, inflation, and other variables to determine connection fees. Connection fee increases are modeled for both residential and commercial development along with a consolidated tax rate for all IRWD IDs. Connection fees are set with a consistent methodology across all IDs.

Connection fees for ID 153/253, in which the Irvine Company is currently the sole developer, are determined by applying the approach outlined in the IRWD LTFP. ID 153/253 is unique in that it has two other sources of revenue: receipts from the Strawberry Farms Golf Club and the sale of native water from Irvine Lake. (Native water is storm water captured in Irvine Lake and then served to customers of IRWD's untreated water and recycled water system; native water can also be used as a source of water for the Baker Water Treatment Plant.) These revenues are applied to ID 153/253, per agreement, to reduce connection fees and property taxes.

In addition to the factors and approach described in the LTFP, IRWD sets connection fees in anticipation of when each ID will be fully developed. Based on information from the Irvine Company, ID 153/253 is expected to be fully developed within ten years. To set connection fees appropriately for this ID, the calculation needs to factor the other revenue sources (native water and Strawberry Farms) beyond the period during which the Irvine Company will pay connection fees for this ID. Because future projections of native water sales are subject to several variables such as weather, water demands, etc., staff met with the Irvine Company to discuss assumptions regarding future sales of native water. Discussions focused on two areas, future annual yield and native water rate, both of which were reviewed at the April 3, 2018, Finance and Personnel Committee meeting.

Because the abovementioned variables impact the sale of native water, staff believes it is in IRWD's and the Irvine Company's mutual interests to enter into an agreement to ensure that the Irvine Company does not overpay or underpay connection fees for ID 153/253. The agreement will set an initial assumption for the application of revenue from native water sales to ID 153/253. The agreement will also provide for a reconciliation every five years between the assumed and the actual native water revenue. The final reconciliation would occur at the end of 20 years. This arrangement would require an amendment to the Irvine Lake 1974 agreement.

Staff has prepared proposed key terms and conditions, attached as Exhibit "A", for the Board's review, comment, and approval, which will then be utilized to develop an amendment to the 1974 Agreement with the Irvine Company. Primary points in the agreement include:

- Replace ID 105 which was eliminated in the LTFP process with ID 153/253 where referenced in the agreement;
- Provide for the use of native water outside of ID 153/253 because it is currently limited to use within ID 105;
- Standardize assumptions of 3,800 acre feet (AF) per year of native water sales at a rate of $291 per AF (compared to the current assumption of 3,200 AF per year at rates ranging from $155-$600 per AF);
- Provide for a reconciliation every five years that is based on 50% of the difference in yield multiplied by the rate with the fund growing at 3% annually; and
- Base the final reconciliation for years 21 thru 40 on the average annual yield of the first 20 years to be completed in year 21.

FISCAL IMPACTS:

Fiscal impacts are described above, and will be included in IRWD's connection fee / tax rate setting process.

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA). In conformance with the California Code of Regulations Title 14, Chapter 3, Section 15004, the appropriate environmental document will be prepared by the appropriate agency (likely the County of Orange) when meaningful information becomes available.

RECOMMENDATION:

That the Board authorized the General Manager to work with IRWD Legal Counsel and the Irvine Company to develop and execute an amendment to the 1974 Irvine Lake Agreement, based on the attached Terms and Conditions, pertaining to the application of revenue from native water sales to Improvement District 153/253.

LIST OF EXHIBITS:

Exhibit "A" – Proposed Terms for Irvine Lake Agreement Amendments

EXHIBIT "A"

Proposed Terms for Amendment to the 1974 Irvine Lake Agreement
Between the Irvine Ranch Water District and the Irvine Company
June 5, 2018 – DRAFT

Parties	Irvine Ranch Water District (IRWD) and the Irvine Company (TIC)
Description	IRWD and TIC would amend the 1974 Irvine Lake Agreement with several changes including: • Replace Improvement District (ID) 105 with ID 153/253 where referenced in the agreement; • Allow for use of native water outside of ID 153/253; • Identify an estimated Annual Yield of 3,800 acre feet (AF) at a Fixed Rate of $291 per AF, increasing by 3% per year for use in identifying the contribution from native water to the capital IDs 153/253; • Provide for a reconciliation every five years that is based on 50% of the difference in yield multiplied by the rate with the fund growing at 3% annually; and • Base the final reconciliation for years 21 thru 40 on the average annual yield of the first 20 years to be completed in year 21.
Term	The Irvine Lake Native Water Accounting Formula would begin July 1, 2018 and terminate June 30, 2058 (40 years).
Native Water Revenue	The current agreement directs native water revenue to ID 105, previously the developable area surrounding Irvine Lake. As part of the Long Term Capital Program (LTFP) ID 105 no longer exists and was replaced with ID 153/253. Native water revenue will solely benefit properties within ID 153/253 excluding the Great Park.
Use of Native Water	The current agreement requires that native water sales be included in the former ID 105. This modification approves the sale of native water throughout IRWD and to the south county agencies.
Water Use Management	IRWD will attempt to utilize native water when available to minimize the loss of native water from spills and evaporation. This will be incorporated with IRWD's water management decisions that are based on the best use for IRWD.
Native Water Assumptions	For the term of the agreement (40 years) the native water assumptions used for setting connection fees and property taxes will include 3,800 AF per year at a rate of $291 per AF, with the rate increasing annually by 3%.
Annual Yield	Actual annual yield will be based on the Irvine Lake Dam Keepers monthly reports. TIC will be provided access to review applicable supporting documents that provide water availability and actual usage.

IRWD's Role	IRWD will perform the following tasks annually: • Identify the variance between actual native water usage and the Irvine Lake Yield for the period; • Calculate the difference for each period using the applicable Fixed Rate and the variance identified above and forward the balance and dam keeper report information by July 31st; • After years 5, 10, 15, and 20 (reconciliation years) ending June 30, IRWD identify the accumulated variance balance; • If the balance is positive at the end of the reconciliation year, IRWD will pay to TIC (or its designee) 50% of the accumulated plus annual accrued interest of 3% by September 1st; and • If the balance is negative at the end of the reconciliation year, IRWD will invoice TIC (or its designee) 50% of the accumulated total plus annual accrued interest of 3% by September 1st.
TIC's Role	TIC will perform the following tasks annually: • Receive notification of the variance between actual native water usage and the Yield for the period including supporting dam keeper reports; • Receive updated accumulated total balances; • If the balance is positive TIC (or its designee) will receive 50% of the total by September 1st; and • If the balance is negative TIC (or its designee) will pay the invoice received by September 1st.
Final Reconciliation	The final reconciliation for the applicable connection fee credit for years 21 thru 40 will occur in year 21 and will be based on the average annual yield of the first 20 years. The rights and obligations under the final agreement will not "run with the land," but will be obligations of IRWD and Irvine Company, except that Irvine Company may assign its rights and obligations, in whole or in part, to any successor or affiliated entity to TIC only if IRWD consents to TIC providing appropriate financial protections.

June 5, 2018
Prepared by: R. Jacobson
Submitted by: C. Clary CC
Approved by: Paul A. Cook

FINANCE AND PERSONNEL COMMITTEE

SAND CANYON PROFESSIONAL CENTER PHASE II DEVELOPMENT PROJECT

SUMMARY:

Staff and IRWD's commercial real estate brokers, Cushman Wakefield and Colliers International, will update the Committee on office leasing and construction activity in the Irvine Spectrum and surrounding market areas. Staff will also provide an update on the Sand Canyon Professional Center Phase II project design and plan approval status. Based on improved leasing conditions and demand for similar office space in the area, staff recommends that the District proceed with steps required to construct the Sand Canyon Professional Center Phase II Project and that the Board approve an increase to the capital project budget based on recent cost estimates utilizing finalized building plans.

BACKGROUND:

Phase I of the Sand Canyon Professional Center was completed in 2012 and included construction of a 16,400 square foot medical office building, a community meeting room, and the reconfiguration of the existing IRWD employee parking area. The medical office building, located adjacent to the District's headquarters facility, reached 100% occupancy in 2013 and is fully leased through 2022.

Phase II of the approved campus master plan includes the planned construction of an approximate 70,000 square foot professional office building and completion of a central outdoor area on the remaining vacant land. The medical and professional office combination was originally recommended in a land use study, and the resulting tenant diversification has been further supported by other local real estate professionals based on the site's zoning, trip allocation constraints, and market data for the area. At the Committee meeting, IRWD's brokers will provide an update on current and anticipated office lease demand and construction activity in the Irvine Spectrum market area, as well as surrounding sub-market areas. The brokers will also update the Committee on Phase II project marketing activities to date, as well as feedback received from prospective tenants and brokers regarding project timing.

Sand Canyon Professional Center Site Development Activities:

In early 2015, IRWD retained the architectural firm Ware Malcomb to design the future Phase II office building. Building design and site plans were reviewed with the Asset Management Committee at multiple meetings in 2015, and in April 2016, plans were submitted to the City of Irvine for review and approval. The building has been designed and is being marketed as "creative office" space. Renderings of the Phase II project are attached as Exhibit "A".

In April 2017, the Board approved the retention of Newport Real Estate Services (NRES) to provide project/construction management services for Phase II construction. Based on finalized building plans, NRES requested and received updated cost estimates for the project.

Building and grading plans for Phase II were submitted to the City in early 2016, initiating the plan review and approval process. Phase II plans were approved by the City at that time, subject to completion of an approved shared street access agreement for the District's three parcels (recently submitted for approval) and completion of Regional Water Quality Control Board permitting and fee payment by the selected general contractor.

Due to above-average vacancy rates in the Irvine area in 2016, the Committee deferred construction of the Phase II office building until a primary tenant was secured or the leasing environment had improved. Since that time, vacancy rates and demand for office space in the Irvine Spectrum area has improved substantially, prompting this discussion with the Committee to proceed with the design and construction of the Phase II Project.

Because more than two years have passed since the original submittal of plans, the City requires both the building and grading plans be re-submitted for approval. Based on discussions with City staff, the review and approval process is expected to be brief due to the recent review and approval of the plans and minimal code changes that have occurred in the interim. Staff recommends that the District proceed with steps required to construct the Sand Canyon Professional Center Phase II Project and that the Board approve an increase to the capital project budget based on recent cost estimates utilizing finalized building plans.

FISCAL IMPACTS:

Initial design, planning and construction cost estimates for the Sand Canyon Professional Center Phase II project of $17.6 million are included in the FY 2018/19 Capital Budget (Project No. 6210). Based on a revised cost estimate using finalized plans, staff recommends an increase of $3.5 million to the project budget for a total capital budget of $21.1 million (excluding land cost / tenant improvement (TI) allowance).

Stabilized net operating income for the Phase II property in Year-3 is estimated at $2.2 million per year, or a Return on Costs (including land and estimated TI allowance) of approximately 7.4%, assuming an initial lease rate of $2.65/square foot (NNN), 95% occupancy and annual rent increases of 2.5%.

ENVIRONMENTAL COMPLIANCE:

A Final Environmental Impact Report has been prepared, certified and the project approved by the County of Orange Environmental Management Agency in compliance with the California Environmental Quality Act (CEQA) of 1970 (as amended), codified at California Public Resources Code Sections 21000 et. seq., and the State CEQA Guidelines in the Code of Regulations, Title 14, Division 6, Chapter 3.

RECOMMENDATION:

That that the Board approve an increase to the FY 2018/19 Capital Budget (Project No. 6210) in the amount of $3.5 million for a total project budget of $21.1 million and concur with staff's recommendation to proceed with the steps required to construct the Sand Canyon Professional Center Phase II project.

LIST OF EXHIBITS:

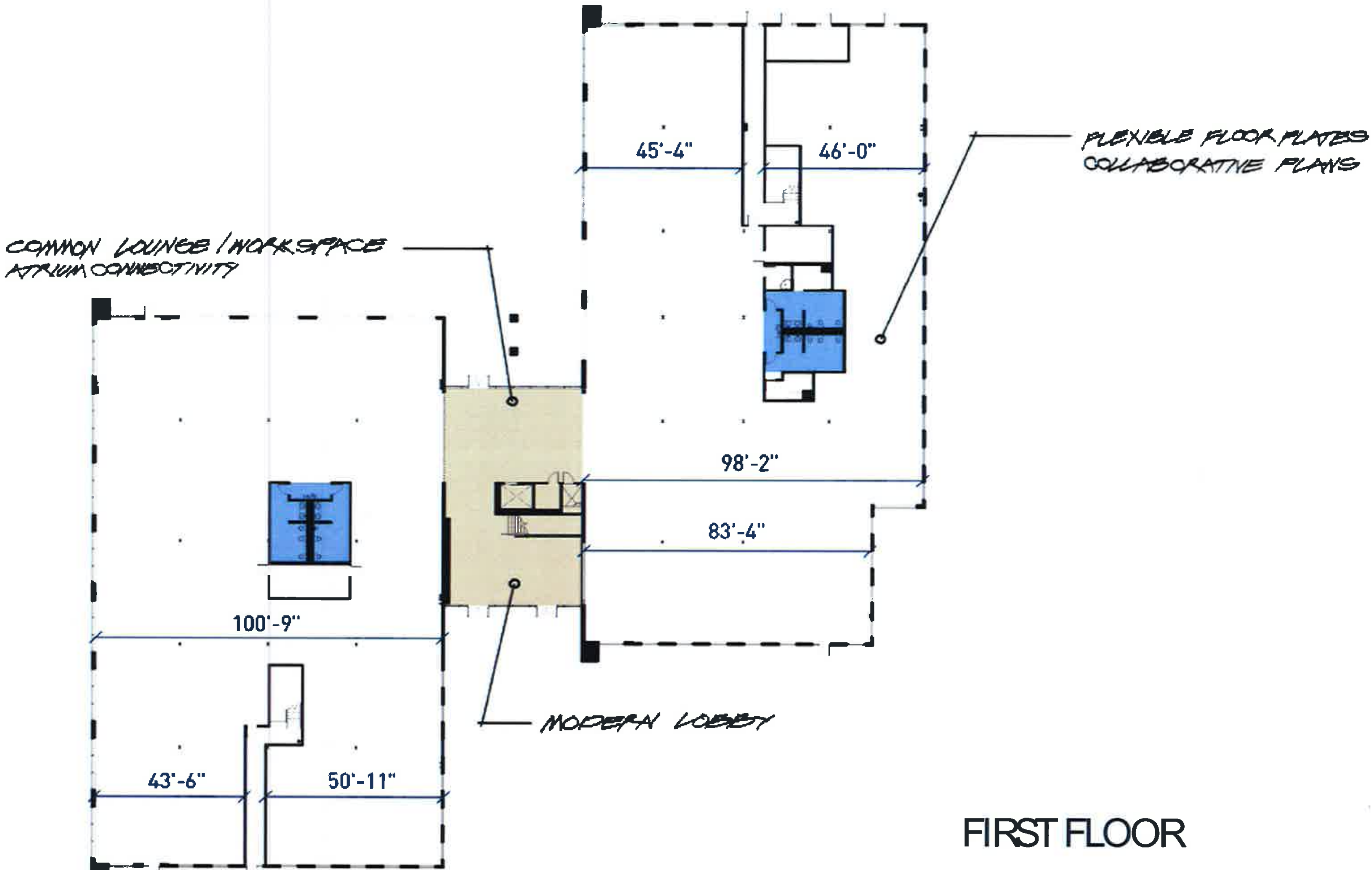
Exhibit "A" – Sand Canyon Professional Center – Project Renderings

Exhibit "A"


ROOFTOP RETREAT
PRIVATE TENANT PATIOS INDOOR - OUTDOOR CONNECTION
SPORT COURT
OUTDOOR MEETING SPACE
CANOPY OF TREES
DRY STONE RIVERBED
6


SECONDARY ENTRY
EXISTING BUILDING
LEASED
NORTH WING
THE SOURCE H2O
FLOWERING ACCENT TREES
PRIMARY ENTRY
ATRIUM
PRIMARY ENTRY
SHARED ENTRY PLAZA
INTEGRATED CAMPUS ACCESS PATH
SOUTH WING
SAND CANYON AVE
PARKING LOT SHADE TREES
IRWD HQ
ODYSSEY ST.
SECONDARY ENTRY
PRIMARY ENTRY
WATERWORKS WAY


FABRICATED VERTICAL FIN ACCENT PROVIDING SOLAR SHADE
BI-FOLD GLASS WALL SYSTEM FOR INDOOR-OUTDOOR CONNECTIVITY
10

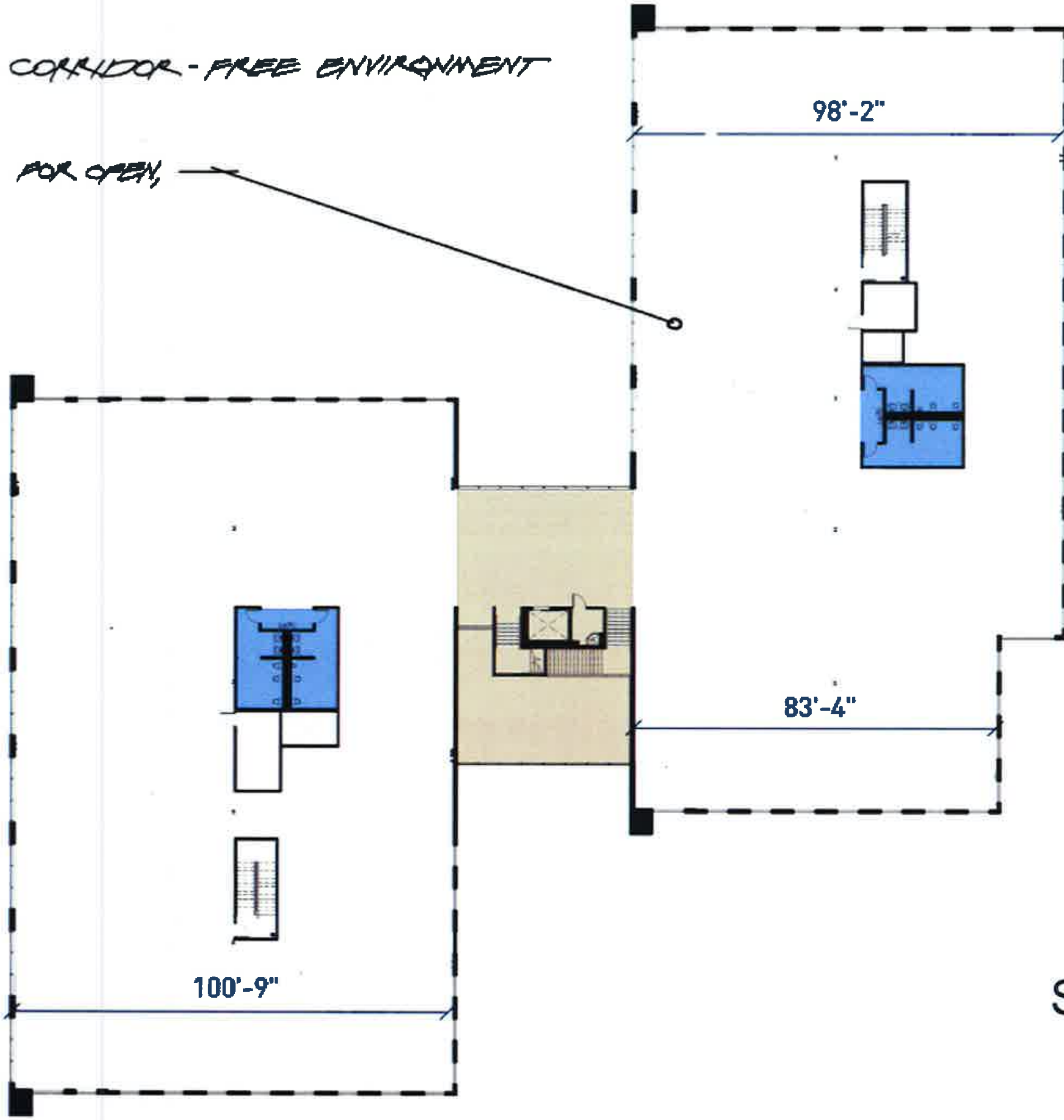


FIRST FLOOR

35,494 SF

CORRIDOR - FREE ENVIRONMENT

FOR OPEN,

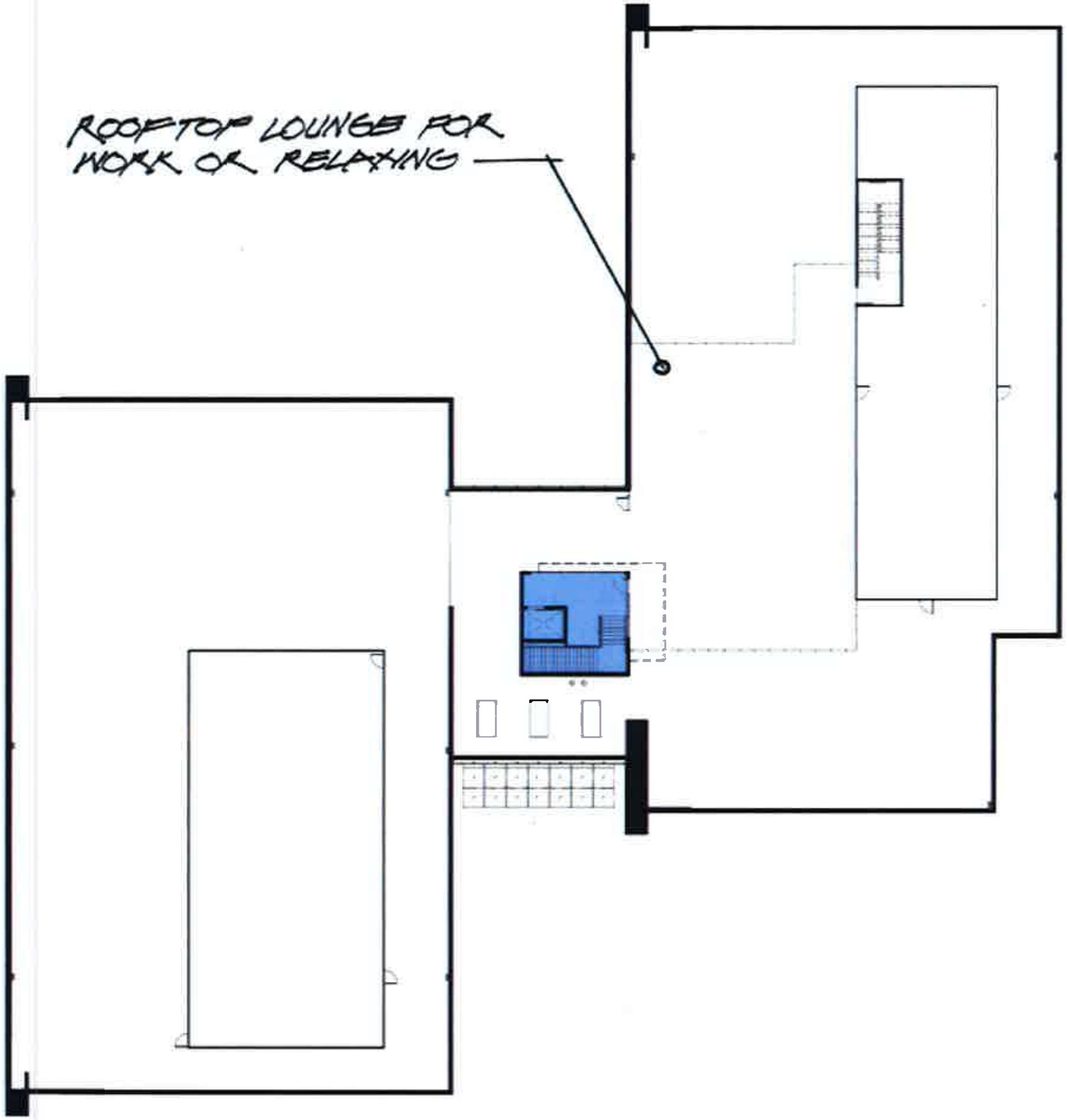


SECOND FLOOR

34,153 SF

ROOF

3,457 SF



A-6

BUILDING SPECIFICATIONS

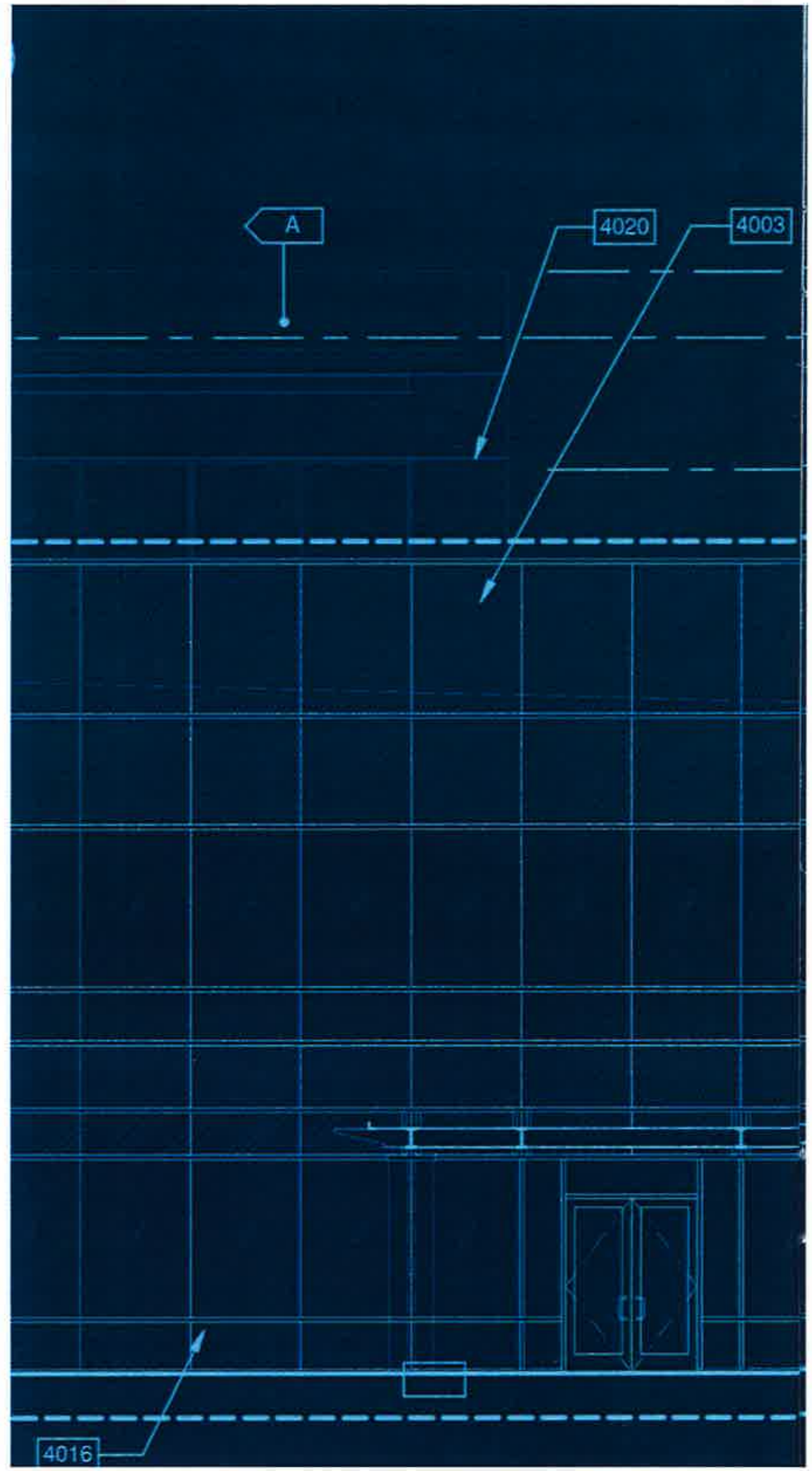
- 2 stories 69,968 sf plus open roof deck 3,457 sf
- Typical floor plate +/- 35,000 sf
- Dimensions approximately 242'-6" x 145'
- Columns spaced on 25'x30' grid
- Floor/Ceiling Heights:
  - Ground: 14'-7" (10' finished ceiling)
  - Second Floor: 15'-6" (10' finished ceiling)
  - Roof Accesses: 10' finished ceiling
- Pursuing LEED certification

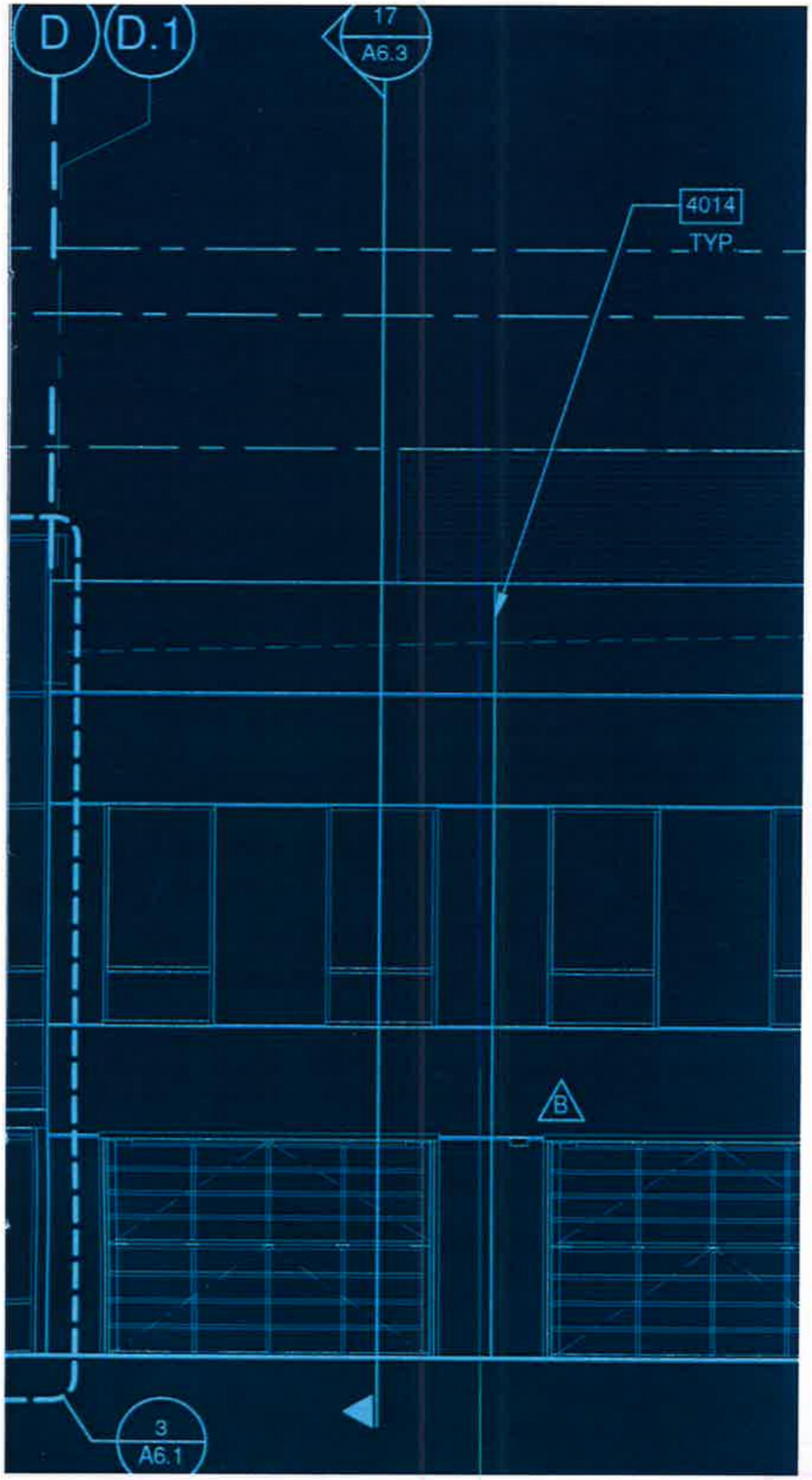
PARKING

- 387 surface parking stalls
- 18 covered parking stalls
- EV charging stations
- Covered bicycle storage area with wall-mounted and floor-mounted racks for up to sixteen (16) bicycles.
- Eight (8) bike racks near building
- Vehicular entry from three (3) streets: Sand Canyon Avenue, Waterworks Way, Odyssey

PROPERTY AMENITIES

- Outdoor room trellis with counter
- Bocce ball court
- Lounge chairs
- Modern concrete fire bowl
- Concrete ping pong table
- Private outdoor patios for tenants





BUILDING EXTERIOR

- SunGuard glass with anodized aluminum curtain wall and windows
- 5'-0" wide window module
- Main entrance dual 6'x8' doors in full height curtain wall with glass canopy
- Main entry has living green wall
- Ground floor south windows have horizontal louvered fins
- Second floor south windows have metal fabric screens
- Vertical east/west windows have vertical metal fabric fins

MAIN LOBBY

- Finished lobby height: 10' and 25'
- Large format porcelain tile
- Hard lid ceiling with recessed light fixtures and Vibia Wireflow chandelier
- 15' high living green wall
- Four (4) restrooms and two (2) showers at ground level restroom

TENANT SPACES

- Unfinished concrete flooring
- Open joist ceilings at second floor roof

June 5, 2018
Prepared by: T. Mossbarger TM
Submitted by: C. Clary CC
Approved by: Paul A. Cook P.C.

FINANCE AND PERSONNEL COMMITTEE

INFORMATION SERVICES PROFESSIONAL SERVICES SUPPORT CONTRACT RENEWALS

SUMMARY:

IRWD requires additional resources to supplement existing staff to support and operate the Oracle Financial and Customer Care and Billing (CC&B) systems. In 2017, the Board authorized various outside service providers to assist in providing information technology services through June 2018. The providers include Infosys, who was the CC&B systems integrator, to provide managed support services; Outsource Technical to provide on-call programming, analysis, project management, and networking services; and Skoruz Technologies, experienced in providing on-call programming, analysis and project management services. Staff has identified the need to continue these support services through Fiscal Year (FY) 2018-19. In addition, staff has identified specific one-time CC&B related projects for completion by Infosys.

Staff recommends the Board authorize the General Manager to execute professional services agreements for the period July 1, 2018 to June 30, 2019 as follows:

- Infosys, Ltd. for $300,000 for support services and one-time special projects;
- Outsource Technical for $225,000 for on-call programming, analysis, project management, and networking services; and
- Skoruz Technologies for $225,000 for on-call programming, analysis, and project management services.

BACKGROUND:

Utility Billing Support Services:

A utility billing software support services contract was awarded to Infosys in June 2017 for $300,000. The contract provided managed support services for the FY 2017-18, and included one-time projects which staff did not have the existing resources to complete.

Infosys has provided IRWD with managed support services for the Oracle CC&B system since August 2014. They provide highly skilled, experienced, and reliable resources who were knowledgeable with IRWD's systems, standards, and staff. Infosys has proven that they can provide additional resources to handle urgent projects with tight deadlines, as was done with the programming changes for the Utility Bill redesign project during FY 2017-18.

Staff has identified the need to continue the software support services agreement for the period July 1, 2018 through June 30, 2019. Under the proposed scope, Infosys will continue to provide support for issues involving a high degree of complexity, while District staff will handle routine and less complex requests. The proposed software support services contract will run from July 1, 2018 through June 30, 2019, and is needed due to internal staffing and resource availability. The proposed support request is $22,880 per month for 12 months totaling $274,560; this proposed contract for services from Infosys is the same as last year's contract.

In addition to the software support services, staff has identified certain additional one-time projects which staff does not have the existing resources to complete. These projects include:

- Implementation of new bill formats for the revised customer bills;
- Implementation of rates and charges for Fats Oils and Greases (FOG); and
- Modifications in CC&B required for new functions in the GIS Field Mapplet application.

The cost of the additional one-time projects totals $25,440. The scope for the software managed support services is included in Exhibit "A".

Staff recommends that the Board authorize the General Manager to execute a Professional Services Agreement with Infosys Ltd for $300,000.

On-Call Programming and Analysis Services:

Staff currently utilizes on-call programming and analysis resources to provide support to regular positions. There is an ongoing need for programming, analysis, project management, and network assistance related to the District's software systems and networks as a result of several major capital projects the District has recently undertaken, including the Maximo Enterprise Asset Management software implementation project, as well as smaller scale software and networking projects. Additionally, consultants with the required skills can be retained to back fill staff vacancies due to special projects or leaves of absence. Staff proposes to retain the on-call services of programmers, analysts, project managers, and network consultants.

Outsource Technical:

Outsource Technical has provided IRWD with on-call programming and analysis services for the District's Oracle systems since November 2012. They provide highly skilled, experienced, and reliable resources that are very familiar with IRWD's systems, standards, and staff. Outsource Technical has consistently provided quality resources to handle urgent projects, as it did with the Oracle Financial System Software Upgrade and Project Management implementation project. The pricing for on-call programming and analysis services remains the same for this year's proposed contract. Outsource Technical's proposal with related fee schedule is attached as Exhibit "B".

Staff recommends that the Board authorize the General Manager to execute a Professional Services Agreement with Outsource Technical for $225,000.

Skoruz Technologies:

Skoruz Technologies will provide IRWD with on-call programming and analysis services for the District's Oracle systems. They provide highly skilled, experienced, and reliable resources that are very familiar with IRWD's systems, standards, and staff. Skoruz Technologies will provide IRWD with an alternative source to Outsource Technical for quality resources to handle urgent projects. The pricing for on-call programming and analysis services remains the same for this year's proposed contract. Skoruz Technologies' proposal with related fee schedule is attached as Exhibit "C".

Staff recommends that the Board authorize the General Manager to execute a Professional Services Agreement with Skoruz Technologies for $225,000.

FISCAL IMPACTS:

These amounts are budgeted in the FY 2018-19 budget or in the current expense authorizations of affected projects or will be utilized to offset regular labor until the vacant position is filled. These professional services will be charged to the appropriate projects or expense account.

ENVIRONMENTAL COMPLIANCE:

This item is not a project as defined in the California Environmental Quality Act Code of Regulations, Title 14, Chapter 3, Section 15378.

RECOMMENDATION:

That the Board authorize the General Manager to execute Professional Services Agreements for the period July 1, 2018 to June 30, 2019 with Infosys Ltd for $300,000 for managed support services and one-time projects; Outsource Technical for $225,000 for on-call programming, analysis, project management, and networking services; and Skoruz Technologies for $225,000 for on-call programming, analysis, and project management services.

LIST OF EXHIBITS:

Exhibit "A" – Infosys Scope for Managed Support Services and Change Request
Exhibit "B" – Outsource Technical Proposal for On-Call Programing, Analysis, Project Management, and Networking Services
Exhibit "C" – Skoruz Technologies Proposal for On-Call Programing, Analysis, and Project Management Services

Exhibit "A"


EXHIBIT A
ICE: Application Support and Maintenance
Infosys
Building
Tomorrow's Enterprise

Table of Contents

Proposed Support Model

Proposed Scope

Extended Application Support (12 months)

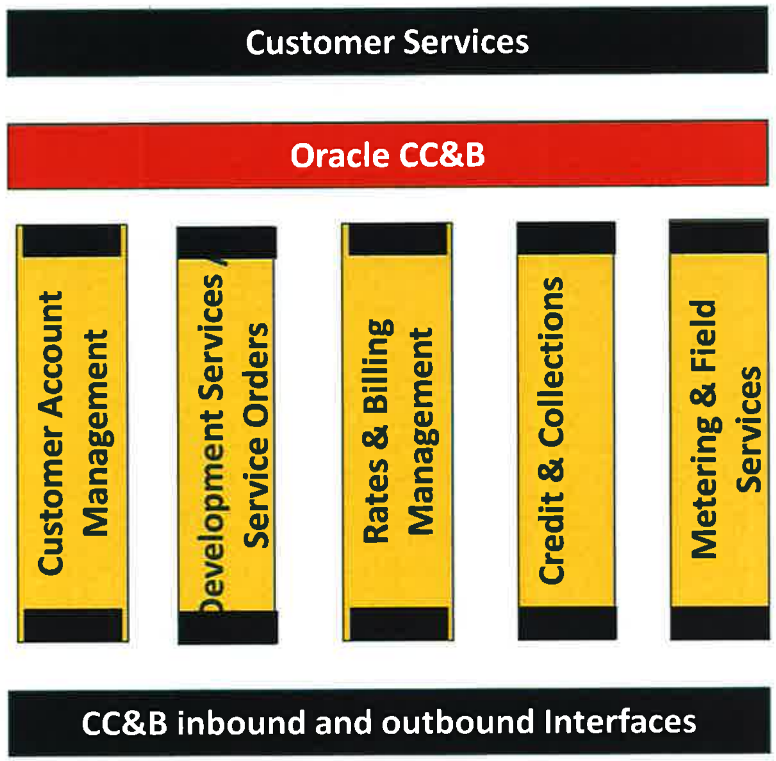
Infosys

- L2 & L3 Support
- Oracle Support Co-ordination

IRWD

- Work with Infosys resources in L2 & L3 Support, and to pickup Job Monitoring
- Take Lead in resolving some of the support tickets

In-scope application portfolio



In Scope / Out of Scope

In Scope

Level 2 Support Activities:

- Incident investigation, diagnosis and the delivery of workarounds and resolutions without code changes.
- Escalation/closure of unresolved issues to Level 3 support.
- Providing quick fixes for any data issues.
- Escalation of key product issues with Oracle and manage the lifecycle of the particular Service Request for the same.
- Incident notification (send mail to stakeholders, etc.),
- Incident Follow up, Incident Closure.

Level 3 Support Activities:

- Problem analysis and provide resolution by way of code fixes.
- Root cause analysis for recurring issues for preventive maintenance.
- Configuration changes related to bug fixes.
- Support for application-specific data issues which impacts the database.
- BIP support activities for reporting requirements with minor changes.

Out of Scope

- Level 1 Support Activities:
    - Batch Jobs monitoring and quick fixes for Batch job failures
    - Handling direct calls from customers or Help desk support activities
- Infrastructure support and related testing activities
- Desktop and client connectivity support
- Major Enhancements and Product Upgrades
- Core DBA and App DBA support for CC&B, OBIU and BIP admin activities.
- Accuzip support activities
- Weekend/ On-Call Support (Beeper support)
- Minor Enhancements
- OUBI
- Bills, Letters (like Invoice, Master agreement, Mater Bond, Cross connection letters etc.) and report formatting

Solution Assumptions

- Additional staffing required for sudden surge in number of tickets per month will be mutually agreed and staffed
- IRWD IS team to drive the business interactions to follow-up on the tickets which include incidents and service request for user verification and closure.
- Support will be provided in the normal office hours for onsite and offshore locations
    - Onsite Office hours : 9:00 AM PST/PDT – 5:30 PM PST/PDT
    - Offshore Office hours : 8:30 PM PST/PDT – 5:00 AM PST/PDT
- Any request to provide production support out of the above office hours at onsite will be considered as additional scope as this involves overtime charges.

Service Level Agreement

- ❑ Total fixed price for **12 months of L2/L3 support** is **274,560 USD**
- ❑ Ticket scope and resource loading details are provided below
- ❑ In addition to tickets, 40 hours per month considered for adhoc requests
- ❑ No Enhancements hours
- ❑ Only CC&B Technical Resources are considered for the support. OUBI applications are not considered in the scope.
- ❑ Tickets per month count includes service requests, Incidents, adhoc requests and impact assessment for the change requests before they convert to approved CR's.

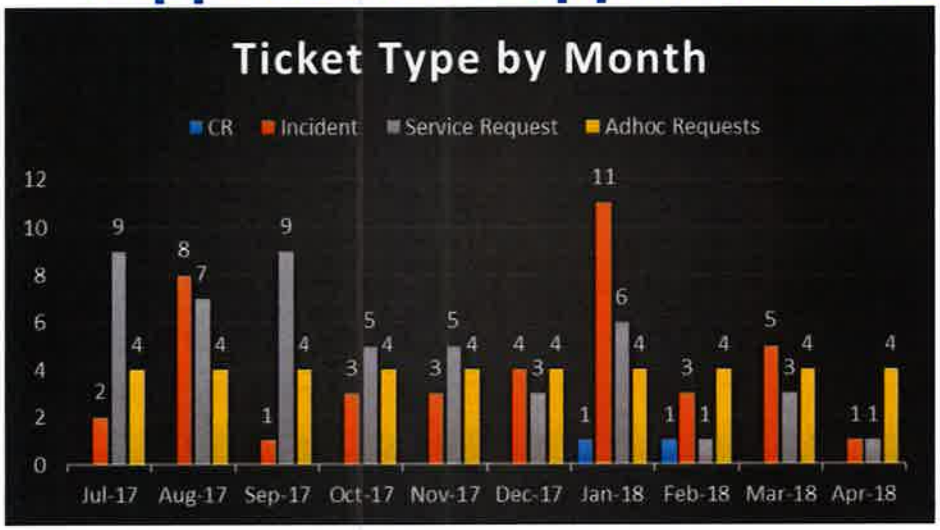
	Jul'18	Aug'18	Sep'18	Oct'18	Nov'18	Dec'18	Jan'19	Feb'19	Mar'19	Apr'19	May'19	June'19
Tickets Per Month	13	13	13	13	13	13	13	13	13	13	13	13
Onsite Resource	1	1	1	1	1	1	1	1	1	1	1	1
Offshore Resource	1	1	1	1	1	1	1	1	1	1	1	1

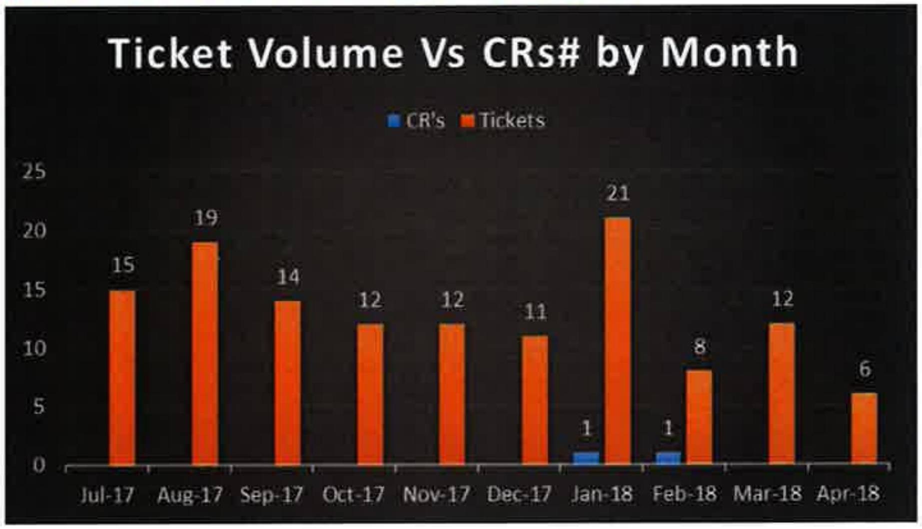
Timelines and Milestones

- This New Support extension is for a period of **12 months starting 01 July, 2018 to 30 June, 2019** and below are the monthly milestones during this support period.

M#	Description	Milestone Date	Services Amount
M1	July Milestone	1-Aug-18	$22,880.00
M2	August Milestone	1-Sep-18	$22,880.00
M3	September Milestone	1-Oct-18	$22,880.00
M4	October Milestone	1-Nov-18	$22,880.00
M5	November Milestone	1-Dec-18	$22,880.00
M6	December Milestone	1-Jan-19	$22,880.00
M7	January Milestone	1-Feb-19	$22,880.00
M8	February Milestone	1-Mar-19	$22,880.00
M9	March Milestone	1-Apr-19	$22,880.00
M10	April Milestone	1-May-19	$22,880.00
M11	May Milestone	1-Jun-19	$22,880.00
M12	June Milestone	28-Jun-19	$22,880.00
		TOTAL	**$274,560.00**

Application Support & Maintenance Ticket Trend

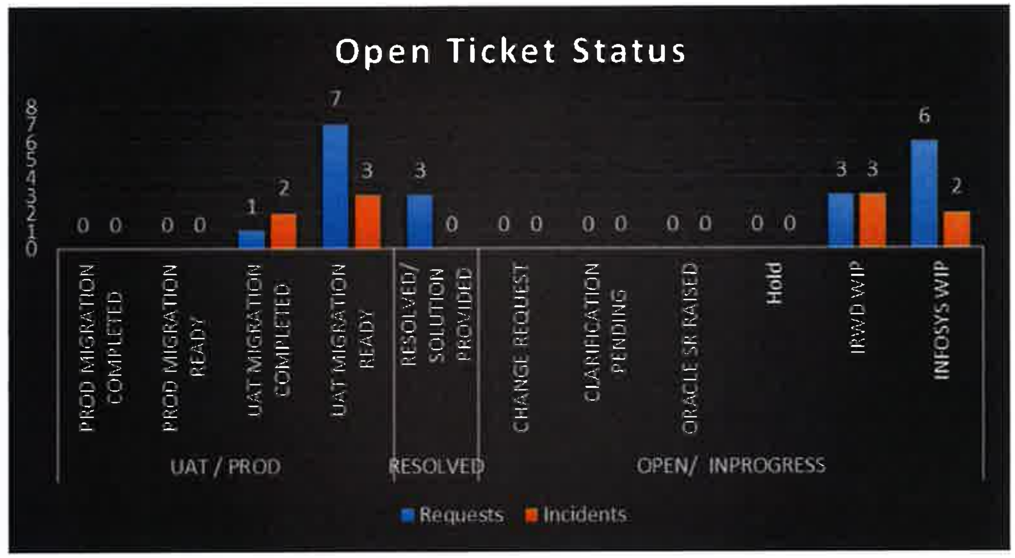




- ❑ Based on the inflow of tickets (Incident and Service requests), 13 tickets per month have been considered in scope for the support extension. This is same as in the current contract.
- ❑ Average time spent by team is considered 23 Hours per ticket.
- ❑ In addition, team has also worked on few adhoc requests 4~ per month. An average effort of 40~ Hrs. per month has been considered in scope for such adhoc requests.
- ❑ Ticket volumes captured for April is as of WSR reporting in April 2018, more tickets to be added to the list by end of June.

Application Support & Maintenance Open Ticket Trend

Status Type	Status Description	Requests	Incidents
UAT / PROD	PROD MIGRATION COMPLETED	0	0
	PROD MIGRATION READY	0	0
	UAT MIGRATION COMPLETED	1	2
	UAT MIGRATION READY	7	3
RESOLVED	RESOLVED/ SOLUTION PROVIDED	3	0
OPEN/ INPROGRESS	CHANGE REQUEST	0	0
	CLARIFICATION PENDING	0	0
	ORACLE SR RAISED	0	0
	Hold	0	0
	IRWD WIP	3	3
	INFOSYS WIP	6	2
	Totals	20	10



- ❑ Open ticket status is based on the WSR reporting week 15th April 2017
- ❑ We would have around 35~ open tickets with following status (In-Progress, Change Control Board, Clarification Pending, Oracle SR Raised), which would be carry forward to the next support Jul'17 to Jun'18. Team would continue to support these tickets for successful production deployment as per business priorities.

Thank You

Infosys® | Building Tomorrow's Enterprise

Exhibit "B"

OSTechnical

May 1st, 2018

Irvine Ranch Water District
Attn: Tony Mossbarger, Director of Information Technology
15600 Sand Canyon Avenue
Irvine, CA 92619-7000

Dear Mr. Mossbarger,

Proposal for Information Technology (IT) Professional Services and Consulting

OS Technical (OST) is pleased to submit this proposal to provide Information Technology Professional Services and Consulting in response to your request.

OST is an IT consulting firm providing professional services to both public and private sector clientele. Our emphasis is providing experienced technical consultants on an on-demand basis to support enterprise software projects. OST has been in business for over 20 years and is headquartered in Newport Beach, CA. We have extensive experience providing IT professional services and consultants to numerous clients who continue to do business with us year after year. A few of our clients are Edwards Lifesciences, Pacific Dental Services, Newport Corporation, County of Orange, Irvine Company, PIMCO, Pacific Life and CareMore among many others.

OST has been providing IT professional services and consulting for Irvine Ranch Water District (the District) since February 2013 with an emphasis on Oracle R-12 E-Business Suite. During this time, we have provided subject matter expertise to support enterprise software implementations, customizations and quality assurance. Services include:

- Attending project meetings as requested by the District
- Producing monthly billings in a form acceptable to the District
- Participating in weekly project status phone calls with Mohit Saini, the Project Lead for the District
- Providing IT Professional Services and Consulting as requested by the District

Our staff executing the delivery of IT professional services and consulting will consist of:

Mr. Steven Shwam, Senior Account Executive - Mr. Shwam has been with OST for 10 years. He has provided IT professional services and consultants for enterprise software projects for clientele including CareMore, Molina Healthcare, Pacific Dental Services, Forever 21, and ICU Medical among others. Steven will be the primary point of contact for the District, providing delivery of IT professional services and consulting per the direction of the District.

Ms. Yasmine Kavandi, Recruiting Manager - Ms. Kavandi has been working with OST for 3 and a half years. Yasmine has over 12 years of experience sourcing and screening technical professionals for deployment on enterprise software projects. Her competencies include Oracle EBS, .Net and Java.

OSTechnical

Work will be billed at the following rates:

Hourly Rates

Project Management	**$128.00-$144.00**
Oracle DBA	$120.00-$135.00
Oracle Analyst	$115.00-$125.00
Oracle Developer	$105.00-$150.00
Software QA	$90.00-$100.00
IT Network & Systems Support	$65.00-$85.00

Our project delivery teams are paid current prevailing wage rates and we have insurance coverage that meets or exceeds the minimum District requirements.

If you have any questions, or I can be of further assistance, please call.

Sincerely,

Steven Shwam
Sr. Account Executive
OS Technical

Exhibit "C"

Enterprise Applications Practice

Skoruz Technologies

Skoruz : Oracle Practice
Proposal for IRWD

CONFIDENTIAL

2018

About Skoruz

Skoruz Technologies Inc, is a global IT solutions and services provider and a technology partner with 450^{+} professionals and 10 delivery centers across 6 countries. We emphasize on enabling our customers to achieve competitive advantage through our flexible global delivery models and frameworks.

Our thought leadership envisions in providing Turn-key solutions by combining far-reach and local presence to deliver optimal value for wide range of businesses.

Skoruz Technologies

Oracle Consulting Pricing

Engagement	Skillset/Expertise	Experience in Years	Rate Per Hour	Discounted Rate
Staffing	Technical Consultant	4+	$80	$72
		8+	$90	$81
	Functional Consultant/ Business Analyst	4+	$90	$81
		8+	$120	$108
	Techno-functional Consultant	4+	$90	$81
		8+	$120	$108
	DBA	4+	$90	$81
		8+	$110	$99
	Project Manager	10+	$120	$108
Implementation/ Rollout	Technical Consultant	4+	$75	$68
		8+	$85	$77
	Functional Consultant/ Business Analyst	4+	$85	$77
		8+	$100	$90
	Techno-functional Consultant	4+	$85	$77
		8+	$95	$86
	DBA	4+	$90	$81
		8+	$100	$90
	Project Manager	10+	$110	$99

Skoruz Technologies

June 5, 2018
Prepared by: A. Aguilar
Submitted by: R. Jacobson/C. Clary CC
Approved by: Paul Cook

FINANCE AND PERSONNEL COMMITTEE:

FY 2018/19 OPERATING BUDGET
VENDOR EXPENDITURE COMMITMENTS GREATER THAN $100,000

SUMMARY:

Each year, following Board approval of the District's operating budget, staff initiates or renews commitments with vendors for certain products and services included in the approved budget. Staff has provided a list of those vendors with expected commitments totaling $100,000 or greater in fiscal year (FY) 2018/19 for the Committee's review. The list of vendor commitments excludes contracts/agreements which have been previously approved by separate Board action. Consistent with provisions included in the District's *Policy Regarding Authorization of Expenditures*, staff recommends that the Board approve the list of vendor expenditure commitments greater than $100,000 for FY 2018/19.

BACKGROUND:

On an annual basis, the Board approves the fiscal year operating budget for the District for the upcoming year. Included in the operating budget are expenditures for line items such as chemicals, fuel, hauling of biosolids and other products and services which result in commitments greater than $100,000. These expenditures typically utilize cooperative agreements for best pricing when applicable, or have been previously competitively bid and in some cases are for products (e.g. certain chemicals) provided by a single supplier.

These commitments are structured as open purchase orders and typically consist of multiple individual transactions during the fiscal year with the cumulative total of the purchase order exceeding $100,000. The approval structure allows staff to order goods and services on a regular and efficient basis during the fiscal year. These commitments are a "not to exceed" amount and can be cancelled at any time.

A list of the planned vendor commitments exceeding $100,000 for FY 2018/19 is attached as Exhibit "A". The list includes vendor names, descriptions of the products or service being provided, the basis for pricing (e.g. cooperative agreement, single source, etc.) and estimated annual expense. Excluded from this list are contracts in excess of $100,000 which have been previously approved by separate Board action and are within their approved contract period; as well as recurring utility bills.

The total planned expenditure amount for the listed vendors for FY 2018/19 is $2,723,930, representing approximately 1.7% of total planned expenditures in the approved operating budget. Consistent with provisions included in the District's *Policy Regarding Authorization of Expenditures*, staff recommends that the Committee approve the list of vendor commitments greater than $100,000 for FY 2018/19 and recommends Board approval of the same.

FISCAL IMPACTS:

Total planned expenditures for FY 2018/19 for vendor commitments greater than $100,000 (excluding contracts/agreements approved by separate Board action) are $2,723,930, representing approximately 1.7% of total planned expenditures in the approved FY 2018/19 operating budget.

EVIRONMENTAL COMPLIANCE:

This item is not a project as defined in the California Environmental Quality Act (CEQA), Code of Regulations, Title 14, Chapter 3, Section 15378.

RECOMMENDATION:

That the Board approve the list of vendor commitments greater than $100,000 based on approved FY 2018/19 operating budget expenditures.

LIST OF EXHIBITS:

Exhibit "A" – FY 2018/19 Operating Budget - Vendor Commitments Greater than $100,000

Exhibit "A"

FY 18/19 OPEN PO CONTRACTS OVER $100K

VENDORS	SERVICES	PO#	Requester	Dept	TYPE	TIME	PO Amt
Athens Services	OPEN PO TO SUPPLY SCREENINGS AND GRIT REMOVAL FROM MWRP; DELIVERY METHOD: ATHENS TRUCK SERVICE.	602199	J. Perez	550	Cooperative Agreement (SOCWA)	Annual	$ 115,000
Merrimac Petrolieum, Inc.	OPEN PO FOR UNLEADED GASOLINE AND DIESEL MOTOR FUEL	605916	J Dayer	870	Cooperative Agreement (County of Orange)	Year 1 of 5	$ 400,000
Olin Corporation	OPEN PO TO SUPPLY MWRP WITH SODIUM HYPOCHLORITE 12.5% FOR EFFLUENT DISINFECTION DELIVERIES. DELIVERY METHOD: BULK, VOL 4500-5000 GAL.	520011	J Perez	550	Cooperative Agreement (SOCWA)	Annual	$ 375,000
Olin Corporation	OPEN PO FOR BULK SODIUM HYPOCHLORITE 12.5% (#105004 NSF APPROVED) SOCWA CONTRACT PRICE - $0.554/GALLON	530985	D Paulson	420	Cooperative Agreement (SOCWA)	Annual	$ 175,000
Aqua Ben Corp	OPEN PO FOR HYDROFLOC 860 BULK SHIPMENTS FOR LAWRP BULK SHIPMENT IS APPROX 4,200 GAL @ 10.34 LB/GAL = 43,428 LBS. EST @ $0.72/LB DELIVERED.	602189	V. Cady	590	Single Source	4 Years	$ 209,000
BioMagic Inc.	OPEN PO FOR ODOR CONTROL CHEMICAL DELIVERIES (BIOMAGIC 250 - @5.85 PER GALLON) FOR COLLECTIONS LIFT STATION AND ODOR CONTROL INJECTION FACILITIES	602203	H. Solis	570	Single Source	7 Years	$ 225,000
Brentagg Pacific Inc.	OPEN PO FOR CITRIC ACID; 50% AT BAKER WATER TREATMENT PLANT	604139	K. Reideler	420	Single Source	1 Year	$ 216,000
Chem Tech International Inc.	OPEN PO FOR CL-50 CORROSION CONTROL ($15.36/GALLON) TO SGU AND PAP SITES	602238	D.Paulson	420	Single Source	5 Years	$ 165,000
Chem Tech International Inc.	OPEN PO TO PROVIDE SODIUM HYPOCHLORITE 12.5% MINI-BULK DELIVERIES ($1.47/GALLON) TO DATS FACILITY	533310	B Clinton	420	Single Source	5 Years	$ 150,000
Culligan of Santa Ana	OPEN PO FOR RESIN EXCHANGE SERVICE AT BAKER WATER TREATMENT PLANT	604140	K Reideler	420	Single Source	1 Year	$ 160,000
Enterprise Rideshare	OPEN PO FOR ENTERPRISE RIDESHARE FOR 22 VAN POOL LEASES; IRWD BILLING# 17128216	603051	Y Margo	130	Single Source	2 Years	$ 213,930
Hill Brothers Chemical	OPEN PO FOR THE DELIVERY OF ODOR CONTROL PRODUCT (OXY-CAN) TO HATS DIVERSION SITE. UNIT PRICE $3.05/GAL, MINIMUM 300 GAL DEL. FUEL SURCHARGE $20.	530779	H Solis	570	Single Source	7 Years	$ 220,000
Summit Chemical Specialty Prodcuts	OPEN PO FOR BULK SUMACLEAR 1000 ALUMINUM CHLOROHYDRATE 50% AT BAKER WATER TREATMENT PLANT	604146	K Reideler	420	Single Source	1 Year	$ 100,000
						Total	**$ 2,723,930**

Note: All goods and services are included in the approved FY 2018-19 operating budget.