# AGENDA IRVINE RANCH WATER DISTRICT BOARD OF DIRECTORS REGULAR MEETING

December 10, 2018

### PLEDGE OF ALLEGIANCE

**CALL TO ORDER** 

5:00 p.m., Board Room, District Office

15600 Sand Canyon Avenue, Irvine, California

**ROLL CALL** 

Directors LaMar, Matheis, Swan, Withers and President Reinhart

### **NOTICE**

If you wish to address the Board on any item, including Consent Calendar items, please file your name with the Secretary. Forms are provided on the lobby table. Remarks are limited to three minutes per speaker on each subject. Consent Calendar items will be acted upon by one motion, without discussion, unless a request is made for specific items to be removed from the Calendar for separate action.

### COMMUNICATIONS TO THE BOARD

- 1. A. Written:
  - B. Oral:
- 2. ITEMS RECEIVED TOO LATE TO BE AGENDIZED

Recommendation: Determine the need to discuss and/or take immediate action on item(s).

### PUBLIC HEARING

### Next Resolution No. 2018-30

- 3. EVALUATING A CHANGE IN THE ELECTIONS PROCESS FOR THE IRVINE RANCH WATER DISTRICT BOARD OF DIRECTORS AND ESTABLISHING DIVISION BOUNDARIES
  - A. Declare the Board meeting to be the time and place for a third Board Meeting;
  - B. Announce the hearing was noticed by publication;
  - C. Receive and file the Affidavits of Posting and Proof of Publication;
  - D. Request legal counsel to describe the nature of the proceedings and purpose;
  - E. Open the hearing to solicit and accept comment on the proposed move to by-division elections;
  - F. Request that the Government Relations Officer provide a report to the Board regarding the draft division maps and on any written comments received;
  - G. Inquire whether there is any person present who wishes to provide comments;
  - H. Inquire whether there are any comments or questions from the members of the Board; and
  - I. Close the hearing and authorize staff to agendize a fourth Public Hearing on January 14, 2019 to solicit and accept comment on the proposed move to by division elections, composition of divisions, the draft division maps and sequence of elections.

### **CONSENT CALENDAR**

### Next Resolution No. 2018-30

Items 4 - 11

# 4. RATIFY/APPROVE BOARD OF DIRECTORS' ATTENDANCE AT MEETINGS AND EVENTS

Recommendation: That the Board ratify/approve the meetings and events for Mary Aileen Matheis, Steve LaMar, Peer Swan, Doug Reinhart, and John Withers, as described.

### 5. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the November 12, 2018 Regular Board meeting be approved as presented.

### 6. NOVEMBER 2018 TREASURY REPORTS

Recommendation: That the Board receive and file the Treasurer's Investment Summary report, the Summary of Fixed and Variable Rate Debt, and Disclosure report of reimbursements to Board members and staff; approve the November 2018 summary of payroll ach payments in the total amount of \$2,088,664 and approve the November 2018 Accounts Payable Disbursement Summary of Warrants 393005 through 393942 Workers' Compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$16,006,783.

### 7. ELDERWOOD SEWER UPSIZING – FINAL ACCEPTANCE

Recommendation: That the Board accept construction of the Elderwood Sewer Upsizing, Project 10095; authorize the General Manager to file a Notice of Completion; and authorize the Payment of the retention 35 days after the date of recording the Notice of Completion.

# 8. <u>ADOPTION OF A REVISED DISTRICT SCHEDULE OF POSITIONS AND SALARY RATE RANGES</u>

Recommendation: That the Board adopt a resolution rescinding Resolution No. 2018-24 and adopting a revised schedule of positions and salary rate ranges.

Res. No. 2018-

# 9. <u>ADOPTION OF THE 2018 SOUTH ORANGE COUNTY INTEGRATED</u> REGIONAL WATER MANAGEMENT PLAN

Recommendation: That the Board adopt a Resolution adopting the 2018 South Orange County Integrated Regional Water Management Plan.

Res. No. 2018-

### CONSENT CALENDAR

#### Next Resolution No. 2018-30

Items 4 - 11

### 10. FY 2017-18 COMPREHENSIVE ANNUAL FINANCIAL REPORT

Recommendation: Receive and file.

### 11. TWO-YEAR OPERATING BUDGET PROPOSAL

Recommendation: That the Board approve a shift to a two-year budget rate setting cycle, starting with fiscal year 2019-20 and 2020-21.

### **ACTION CALENDAR**

### 12. <u>MWRP EMERGENCY DISCHARGE TO SAN DIEGO CREEK</u> CONSTRUCTION AWARD

Recommendation: That the Board authorize the General Manager to execute a construction contract with PCL Construction Inc., in the amount of \$981,465, for the Michelson Water Recycling Plant Emergency Recycled Water Diversion to San Diego Creek, Project 10093.

### 13. ENTERPRISE SERVER AND STORAGE REPLACEMENT

Recommendation: That the Board approve a General Plant budget increase and expenditure of \$340,000 with Sirius Computer Solutions to purchase and implement the Enterprise Server and Storage Replacement Equipment.

### 14. ELECTION OF OFFICERS FOR 2019

Recommendation: That an election be conducted of the President and Vice President of the Board of Directors of the Irvine Ranch Water District.

#### OTHER BUSINESS

Pursuant to Government Code Section 54954.2, members of the Board of Directors or staff may ask questions for clarification, make brief announcements, and make brief reports on his/her own activities. The Board or a Board member may provide a reference to staff or other resources for factual information, request staff to report back at a subsequent meeting concerning any matter, or direct staff to place a matter of business on a future agenda. Such matters may be brought up under the General Manager's Report or Directors' Comments.

- 15. General Manager's Report
- 16. Directors' Comments

17. Community Updates: Receive an oral update from District liaison(s) regarding communities within IRWD's service area and discuss relevant community happenings.

### **OTHER BUSINESS**

- 18. CONFERENCE WITH LEGAL COUNSEL EXISTING LITIGATION Pursuant to Government Code Section 54956.9(d)(1): Orange County Water District v. SABIC Innovative Plastics US, LLC, et al., Case No.:30-2008-00078246-CU-TT-CXC
- 19. Open Session
- 20. Adjourn

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 Irvine Ranch Water District Board of Directors in connection with a matter subject to discussion or consideration at an open meeting of the Board of Directors 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 Board 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 Board Members, except that if such writings are distributed one hour prior to, or during, the meeting, they will be available at the entrance to the Board of Directors Room of the District Office. The Irvine Ranch Water District Board 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 alternative format upon written request to the District Secretary at least seventy-two (72) hours prior to the scheduled meeting.

December 10, 2018

Prepared and

submitted by: C. Compton (

Approved by: Paul A. Cook

### PUBLIC HEARING

# EVALUATING A CHANGE IN THE ELECTIONS PROCESS FOR THE IRVINE RANCH WATER DISTRICT BOARD OF DIRECTORS AND ESTABLISHING DIVISION BOUNDARIES

### **SUMMARY:**

Pursuant to Water Code section 35180, IRWD uses an at-large method to elect the members of its Board of Directors. The at-large method allows for voters from the entire service area to elect each of the five members of the Board of Directors. The California Voting Rights Act favors a by-division method of election instead of an at-large method of election for electing members of local government governing bodies. A by-division method divides a service area into separate divisions and allows the voters from each division, as opposed to voters from the entire service area, to elect a member of the board of directors. In a by-division method of election, the elected individual serves as the division's representative on the board and must reside in that division.

Since 2017, Elections Code section 10650 has authorized special districts such as IRWD to move from an at-large method of election to a by-division method of election in furtherance of the purposes of the California Voting Rights Act. Elections Code section 10010 governs the process for evaluating and transitioning to a by-division method of election. The first step in initiating the process is the adoption of a resolution of "Intent to Initiate the Process of Establishing Divisions and Elections by Divisions." The IRWD Board of Directors adopted a resolution of "Intent to Initiate the Process of Establishing Divisions and Elections by Divisions" on April 2, 2018. The next steps involved a series of public hearings.

Pursuant to Elections Code section 10010, a public hearing is now being held on December 10 after the drawing of draft maps. The purpose of this hearing is to invite and solicit public comments on the draft division maps, which have been published by the District on its website, and the potential sequence of elections for the directors from each division at different times to provide for staggered terms of office.

### RECOMMENDED HEARING PROCEDURE:

President:

Declare the Board meeting of December 10, 2018, to be the time and place for a third hearing on evaluating a change in the elections process for the Irvine Ranch Water District Board of Directors and establishing division boundaries, and asks the Board Secretary to announce how the hearing was noticed.

Board Secretary:

Announce that the hearing was noticed by publication in the *Orange County Register* on Sunday, November 25, 2018; by publication in Spanish in the *Excelsior Unidos* on Friday, November 23, 2018; by publication in Korean in the *Korea Times* on Saturday, November 24, 2018; by publication in English and Traditional Chinese in the *World* 

Public Hearing: Evaluating a Change in the Elections Process for the Irvine Ranch Water District Board of Directors and Establishing Division Boundaries

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Journal on Saturday, November 24, 2018, and Sunday, November 25, 2018; by publication in Farsi in *Hafteh Bazaar* on Friday, November 30, 2018; by electronic posting in English, Farsi, Korean, Traditional Chinese, and Spanish on the IRWD website, through which the notice can be translated into approximately 20 languages; and by physical posting at IRWD's headquarters. Announce that the four draft maps— Map A, Map B, Map and Map D— were published on IRWD's website by December 3, 2018. The Board Secretary presents affidavits of posting and proof of publication to the Board related to the hearing.

Board of Directors:

The Board of Directors receives and files the affidavits of posting and

proof of publication as presented by the Board Secretary.

President:

Request legal counsel to describe the nature of the proceedings, and to

explain the purpose of the hearing.

Legal Counsel:

Describe the nature of the proceedings, and explains the purpose of the hearing as being the opportunity to invite and solicit public comment on the draft division maps, which have been published by the District on its website at least seven days prior to the hearing, and the potential sequence of elections for the directors from each division at different times to

provide for staggered terms of office.

Board of Directors:

Open the hearing by taking the following recommended action:

RECOMMENDED MOTION: THAT THE PUBLIC HEARING BE OPENED TO SOLICIT AND ACCEPT COMMENT ON THE PROPOSED MOVE TO BY-DIVISION ELECTIONS, THE

COMPOSITION OF DIVISIONS, THE DRAFT DIVISION MAPS, AND

SEQUENCE OF ELECTIONS.

President:

Request that the Government Relations Officer provide a report to the Board regarding the draft division maps, and on any written comments received.

Government

Relations Officer:

Provide a report to the Board regarding the draft division maps, and on

any written comments received.

President:

Inquire whether there is any person present who wishes to provide comments on the proposed move to by-division elections, the composition of divisions, the draft maps, and the sequence of elections.

Inquire whether there are any comments or questions from members of the Board of Directors. After comments or questions, states that the hearing

will be closed.

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Board of Directors: Close the hearing by taking the following recommended action:

RECOMMENDED MOTION: THAT THIS THIRD PUBLIC HEARING BE CLOSED AND AUTHORIZE STAFF TO AGENDIZE A FOURTH PUBLIC HEARING FOR JANUARY 14, 2019, FOR THE BOARD OF DIRECTORS TO SOLICIT AND ACCEPT COMMENT ON THE PROPOSED MOVE TO BY-DIVISION ELECTIONS, THE COMPOSITION OF DIVISIONS, THE DRAFT DIVISION MAPS, AND SEQUENCE OF ELECTIONS.

### **BACKGROUND:**

In 2002, Governor Gray Davis signed the California Voting Rights Act (CVRA) into law. The CVRA states that an at-large method of election may not be used to elect local governing boards if it "impairs the ability of a protected class to elect candidates of its choice or its ability to influence the outcome of an election." (Elections Code §14027)

A violation of the CVRA may be established if it is shown that racially polarized voting, combined with an at-large voting system, impairs the ability of a protected class of voters to elect candidates of its choice or to influence the outcome of an election. (Elections Code §14028(a)) Under the CVRA, "racially polarized voting" means voting in which there is a difference between the choice of candidates or other electoral choices that are preferred by voters in a protected class, and in the choice of candidates and electoral choices that are preferred by voters in the rest of the electorate. (Elections Code §14026(e))

As of the writing of this report, IRWD has not been presented with any evidence of racially polarized voting in its elections, but many local governments have had their at-large method of election challenged under the CVRA. Additionally, many local governments have voluntarily moved to a by-division method of election because it is the only election method not vulnerable to a challenge under the CVRA.

### Statutorily Mandated Process for Evaluating a By-Division Method of Election:

While the current at-large method of election used by IRWD pursuant to Water Code section 35180 has served the District's customers and constituents well, Elections Code section 10650 allows the board of a special district, like IRWD, to move from an at-large method of election to a by-division method of election in furtherance of the purposes of the CVRA.

Elections Code section 10010 provides the process for evaluating divisions and a transition to by-division elections. That process requires, at a minimum, that a special district:

- Adopt a resolution of intent to change the election system;
- Hold at least four public hearings to discuss division maps and the sequence of the division elections:

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- The first and second hearing must be held within 30 days of each other and the public is invited to provide input regarding the composition of the divisions and sequence of elections;
- After draft division maps are drawn, one or more proposed maps are published at least seven days before the third hearing. Any further revisions to the proposed map(s) would be published at least seven days before being adopted; and
- The third and fourth public hearings are held within 45 days of each other; and
- Hold at least one more public hearing at which it considers final action to transition to bydivision elections and considers adoption of a final map of division boundaries.

### Legally Required Factors Considered When Evaluating Division Boundaries:

While a number of federal and state laws govern the drawing of division boundaries, the U.S. Constitution establishes the fundamental principle which governs the drawing of division boundaries. Above all else, the Constitution requires that divisions be equal, or nearly equal, in total population. Federal courts have ruled that this means that the population difference between the most and least populous divisions may not exceed ten percent. California Elections Code section 22000 further suggests that divisions should be drawn to be, "as far as practicable, equal in population" using the population numbers from the last federal decennial census.

Provided that the equality in population, based on the last decennial census, requirement is met, the Elections Code also allows for consideration of: (1) topography, (2) geography, (3) cohesiveness, contiguity, integrity, and compactness of territory, and (4) communities of interests of the division" when determining where division boundaries are placed.

### IRWD Process to Evaluate Establishment of Divisions and Elections by Divisions:

On April 2, 2018, the IRWD Board of Director adopted a resolution of "Intent to Initiate the Process of Establishing Divisions and Elections by Divisions." In its adoption of the resolution, the Board determined that the public interest was best served by initiating the process to evaluate divisions and a transition to by-division elections. The Board authorized the General Manager, or his designee, to initiate a public evaluation process that complies with Elections Code section 10010, and encourages and allows for full public participation, careful consideration and input into an evaluation of divisions and a transition to by-division elections within IRWD.

The first step in the District's evaluation process was the release of data related to the population characteristics of the IRWD's service area. That data was presented to the Board during a Board workshop on May 14, 2018. Attached as Exhibit "A" is a copy of the summary of "Existing Conditions for Irvine Ranch Water District" provided to the Board.

The second step in the District's evaluation process was to hold two public hearings, which were held on June 4 and June 18. These hearings were conducted before the drawing of a draft map or

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maps of proposed division boundaries. The purpose of the hearings was to invite and solicit public comment on the proposed move to by-division elections, the composition of divisions and the sequence of elections prior to the drawing of draft maps.

The third step in the District's evaluation process was for the Board to discuss criteria to be used by the District when drawing proposed director division boundaries. The criteria was discussed at a Board Workshop held on August 13, 2018. The criteria discussed at the August 13 workshop is included in the presentation materials attached as Exhibit "B".

Following the workshop, prior to the drawing of potential division area maps, the District invited the public to submit additional comments on the composition of possible divisions and to submit conceptual maps for consideration as the potential division area maps were drawn. That public comment period ran from August 15 to October 15, 2018. During the comment period, the District received two comments and maps from the public. Those comments and maps are attached as Exhibit "C".

Now, IRWD is holding a third public hearing to invite and solicit public comment on the draft division maps, which have been published by the District on its website, and the potential sequence of elections for the directors from each division at different times to provide for staggered terms of office. The four draft maps are attached as Exhibit "D".

It is important to note that the draft maps are a starting point for the Board's discussion on possible division boundaries, and additional maps or refinements may be made should the Board want to see other options at the next public hearing.

### **FISCAL IMPACTS:**

Due to the adoption of a resolution of "Intent to Initiate the Process of Establishing Divisions and Elections by Divisions" and by undertaking the Elections Code section 10010 process to evaluate by-divisions elections, the District is incurring costs of a demographer and special legal counsel in addition to potentially other costs.

### **ENVIRONMENTAL COMPLIANCE:**

Not applicable.

### **COMMITTEE STATUS:**

This item was not reviewed by a Committee.

### LIST OF EXHIBITS:

Exhibit "A" – Existing Conditions for Irvine Ranch Water District

Exhibit "B" – Presentation Materials from the December 10, 2018, Public Hearing

Exhibit "C" - Public Comments and Maps Received Between August 15 and October 15, 2018

Exhibit "D" - Draft Division Maps A, B, C and D

### **Existing Conditions for Irvine Ranch Water District**

Table 1. Population by Race/Ethnicity for IRWD

	Number	Percent
2010 Total Population	337,151	100.0%
Hispanic or Latino of any Race	40,325	12.0%
Non-Hispanic White	171,195	50.8%
Non-Hispanic Asian	104,775	31.1%
Non-Hispanic Black or African-American	5,173	1.5%
All Other Non-Hispanic Races/Ethnicities	15,681	4.7%
2010 Population 18 Years and Older	261,651	100.0%
Hispanic or Latino of any Race	28,531	10.9%
Non-Hispanic White	138,759	53.0%
Non-Hispanic Asian	81,062	31.0%
Non-Hispanic Black or African-American	4,029	1.5%
All Other Non-Hispanic Races/Ethnicities	9,266	3.5%
2016 Citizen Voting Age Population (CVAP)	244,343	100.0%
Hispanic or Latino of any Race	27,413	11.2%
Non-Hispanic White	135,507	55.5%
Non-Hispanic Asian	68,731	28.1%
Non-Hispanic Black or African-American	4,810	2.0%
All Other Non-Hispanic Races/Ethnicities	7,879	3.2%

Sources: 2010 Decennial Census P.L. 94-171 Redistricting Data;

U.S. Census Bureau American Community Survey 5-year estimates, 2012-2016

The target director division population is calculated by dividing the total population by the number of board members.

Table 2. Target Population for Division Scenarios

Division ID	Division Type	Total 2010 Population	Target Population for Each Division	Division Majority (50% + 1)	Majority of CVAP (50% +1)
- 10	Division Type				
5	5-Division Plan	337,151	67,430	33,716	24,435

## **PUBLIC HEARING**

BOARD OF DIRECTORS DISTRICTING DRAFT MAPS

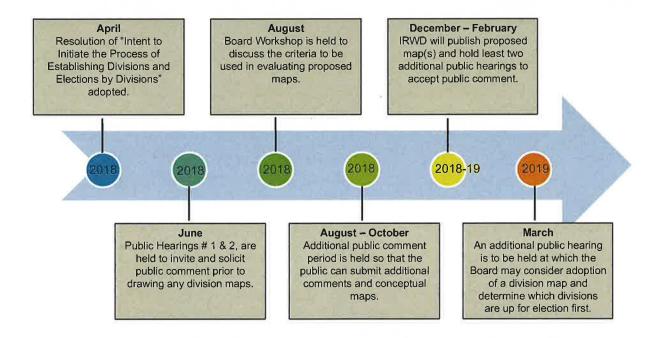
December 10, 2018



# Presentation Agenda

- Review of Process and Timeline for Evaluation
- Proposed Sequencing of Elections
- Review the Criteria for Drawing Division Boundaries
- Review of Draft Maps
- Discussion

# Process for Evaluating a Change of Election Method and Director Division Boundaries



Irvine Ranch Water District

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## **Goal for Today**

- Review and discuss proposed sequencing of elections.
- Review and discuss the draft maps.
  - Are any of the maps not viable?
  - Are there revisions you would like to see made to the draft maps?
  - Prioritization.

### **Proposed Sequencing of Elections**

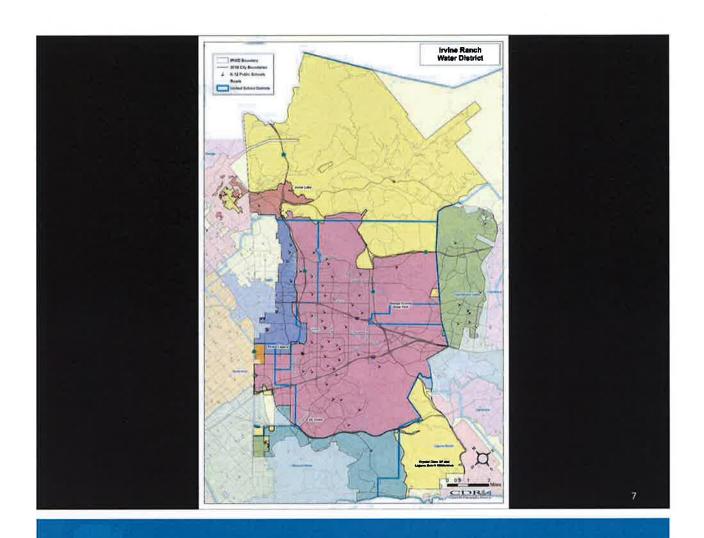
- If adopted, new divisions would take effect for the 2020 election.
- Propose to sequence elections with existing staggered terms of board members.
  - 2020: Two divisions up for election
  - 2022: Three divisions up for election

Irvine Ranch Water District

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### IRWD Criteria for Drawing Division Boundaries

- Each director division shall contain a nearly equal number of inhabitants as reflected in the most recent decennial census.
- 2) Divisions shall be drawn in a manner that complies with the Federal Voting Rights Act.
- 3) Divisions shall consist of contiguous territory.
- 4) Divisions will be in as compact a form as possible given the other criteria set forth.
- 5) Division boundaries will respect communities of interest as much as possible.
- 6) Division boundaries will consider jurisdictional boundaries as much as possible.
- 7) Division boundaries will observe topography and geography such as man-made and natural geographic features insofar as practicable.
- 8) Division boundaries will attempt to allow the voters to retain current Directors if they choose by avoiding placing Directors in the same division insofar as this does not conflict with federal or state law requirements.
- To the extent proposed divisions do not contain equal population as reflected in the most recent decennial census, population growth since the last decennial census and anticipated population growth before the next decennial census may be considered so long as population deviation remains within the parameters allowed by law.

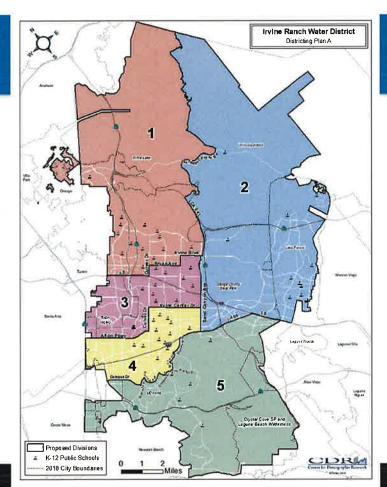


# Summary of Plans

Мар	Percent Spread	Contiguous Divisions?	Viable?
Plan A	3.19%	Yes	Yes
Plan B	8.60%	Yes	Yes
Plan C	6.89%	Yes	Yes
Plan D	4.90%	Yes	Yes

# Plan A

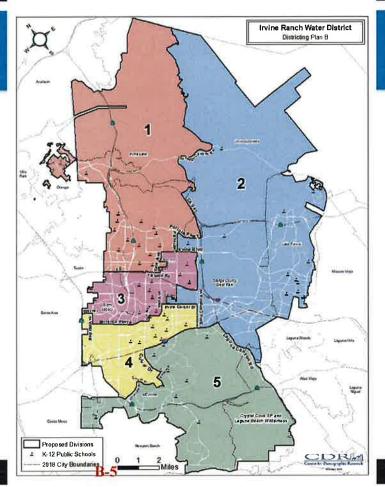
Plan A
Percentage Spread:
3.19%



Irvine Ranch Water District

# Plan B

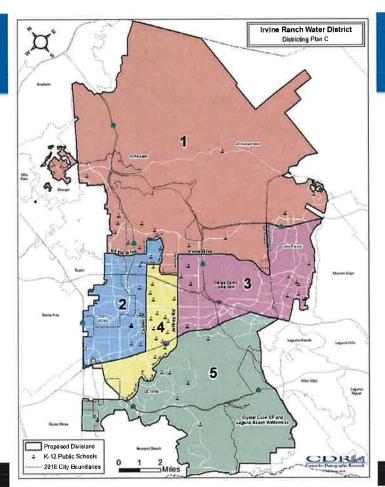
Plan B Percentage Spread: 8.60%



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# Plan C

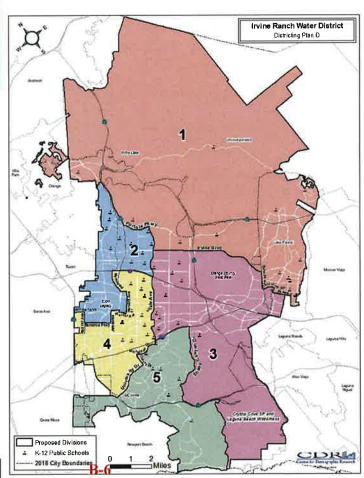
Plan C Percentage Spread: 6.89%



Irvine Ranch Water District

## Plan D

Plan D Percentage Spread: 4.90%



## Plan A

Plan A
Percentage Spread:
3.19%

#### Irvine Ranch Water District- Plan A

Table 1. Possistion by Division and Rece/Ethnicky

	DIVISION					
	1	2	3	- 4	5	Total
Total Population	67,229	66,316	67,365	68,468	67,773	337,151
Hispanic or Latino of any Race	7,092	13,223	7,809	6,058	6,143	40,325
Non-Hispanic White	31,151	39,670	27,294	34,423	38,659	171,197
Non-Hispanic Asian	25,013	9,693	27,673	23,253	19,143	104,775
Non-Hispanic Black or African-American	993	1,060	1,284	1,123	713	5,173
All Other Non-Hispanic Races/Ethnicities	2,980	2,670	3,305	3,611	3,115	15,681
Population 18 Years and Older	49,792	50,705	50,950	54,799	55,405	261,651
Hispanic or Latino of any Bace	4,857	5,993	5,422	4,428	4,831	28,531
Non-Hispanic White	24,432	31,702	21,987	28,806	31,836	138,763
Non-Hispanic Asian	18,245	7,661	20,748	18,347	16,061	81,062
Non-Hispanic Black or African-American	751	855	933	888	602	4,029
All Other Non-Hispanic Races/Ethnicities	1,507	1,494	1,860	2,330	2,075	9,266
Citizen Voting Age Population (CVAP)	47,635	49,668	46,432	48,938	51,670	244,343
Hispanic or Latino of any Race	4,875	6,338	5,553	4,097	6,550	27,413
Non-Hispanic White	21,773	32,994	20,425	29,094	31,224	135,510
Non-Hispanic Aslan	18,195	7,835	17,550	13,355	11,796	68,731
Non-Hispanic Black or African-American	1,093	1,081	1,224	950	462	4,810
All Other Non-Hispanic Races/Ethnicities	1,699	1,420	1,680	1,442	1,638	7,879

Table 2. Share of Division Populations

	DIVISION							
	1	2	3	4	- 5			
Total Population	100.0%	100.0%	100.0%	100,0%	100.0%			
Hispanic or Latino of any flace	10.5%	19.9%	11.6%	8.8%	9.1%			
Non-Hispanic White	46.3%	59.8%	40.5%	50.3%	57.0%			
Non-Hispanic Asian	37,2%	14.6%	41.1%	34.0%	28.2%			
Non-Hispanic Black or African-American	1.5%	1,6%	1.9%	1.6%	2.1%			
All Other Non-Hispanic Races/Ethnicities	4,416	4.0%	4.9%	5.3%	4.6%			
Population 18 Years and Older	100.0%	100.0%	100.0%	100.0%	100.0%			
Hispanic or Latino of any Race	9.8%	17.7%	10.6%	8.1%	8.7%			
Non-Hispanic White	49.1%	62.5%	43.2%	52.6%	57.5%			
Non-Hispanic Asian	36.6%	15,1%	40.7%	33.5%	29.0%			
Non-Hispanic Black or African-American	1.5%	1.7%	1.8%	1.6%	1.1%			
All Other Non-Hispanic Races/Ethnicities	3.0%	2.9%	3.7%	4.3%	3.7%			
Citizen Voting Age Population (CVAP)	100.0%	100,0%	100.0%	100.0%	100.0%			
Hispanic or Latino of any Race	10.2%	12.8%	12.0%	8.4%	12.7%			
Non-Hispanic White	45.7%	66,4%	44.0%	59.5%	60.4%			
Non-Hispanic Asian	38.2%	15.8%	37.8%	27.3%	22.5%			
Non-Hispanic Black or African-American	2.3%	2.2%	2.6%	1.9%	0.9%			
All Other Non-Hispanic Races/Ethnicities	3.6%	2.9%	3.6%	2.9%	3.2%			

Irvine Ranch Water District

### Plan B

Plan B
Percentage Spread:
8.60%

#### Irvine Ranch Water District- Plan B

Table 1. Population by Division and Race/Ethnicky

	DIVISION					
	1	2	3	4	5	Total
Total Population	67,094	68,886	65,550	64,912	70,709	337,151
Hispanic or tating of any Race	7,047	13,468	7,409	6,362	6,039	40,325
Non-Hispanic White	30,783	41,003	27,634	30,375	41,402	171,197
Non-Hispanic Asian	25,335	10,516	26,224	23,382	19,318	104,775
Non-Hispanic Black or African-American	962	1,114	1,143	1,245	709	5,173
All Other Non-Hispanic Races/Ethnicities	2,967	2,785	3,140	3,548	3,241	15,681
Population 18 Years and Older	49,410	52,802	49,516	52,774	57,149	261,651
Hispanic or Latino of any Race	4,792	9,192	5,143	4,685	4,719	28,531
Non-Hispanic White	23,934	32,846	22,260	25,748	33,975	138,763
Non-Hispanic Aslan	18,483	8,294	19,577	18,924	15,784	81,062
Non-Hispanic Black or African-American	725	900	815	992	597	4,029
All Other Non-Hispanic Reces/Ethnicities	1,476	1,570	1,721	2,425	2,074	9,266
Citizen Voting Age Population (CVAP)	44,561	52,099	47,595	46,874	53,214	244,843
Hispanic or Lating of any Race	4,486	6,512	5,471	4,898	6,046	27,413
Non-Hispanic White	20,375	34,244	21,111	26,098	33,682	135,510
Non-Hispanic Asian	17,041	8,681	18,035	13,387	11,587	68,731
Non-Hispanic Black or African-American	1,085	1,128	1,197	1,008	392	4,810
All Other Non-Hispanic Reces/Ethnicities	1,574	1,534	1,781	1,483	1,507	7,879

 Terget Division Population
 67,430

 Division Difference from Target Population
 -336
 1,456
 -1,880
 -2,518
 3,27

 Percent Difference from Target Population
 -0,50%
 2,16%
 -2,79%
 -3,73%
 4,86°

 Percentages Syread
 8,60%

Table 2. Share of Division Populations

TREMALERINE STREET STREET	DIVISION								
	-1	2	3	4	5				
Total Population	100.0%	100.0%	100.0%	100.0%	100.0%				
Hispanic or Latino of any Race	10,5%	19,6%	11.3%	9.8%	8.5%				
Non-Hispanic White	45,9%	59.5%	42.2%	46.8%	58.6%				
Non-Hispanic Aslan	37.8%	15.3%	40.0%	36,0%	27.3%				
Non-Hispanic Black or African-American	1.4%	1,6%	1.7%	1.9%	1.0%				
All Other Non-Hispanic Reces/Ethnicities	4,4%	4.0%	4.8%	5.5%	4.6%				
Population 18 Years and Older	100.0%	100.0%	100.0%	100.0%	100.0%				
Hispanic or Latino of any Race	9.7%	17,4%	10.4%	8.9%	8.3%				
Non-Hispanic White	45.4%	62.2%	45.0%	48.8%	59,4%				
Non-Hispanic Asian	37.4%	15.7%	39.5%	35.9%	27.6%				
Non-Hispanic Black or African-American	1.5%	1.7%	1.6%	1.9%	1.0%				
All Other Non-Hispanic Races/Ethnicities	3.0%	3.0%	3.5%	4.6%	3.6%				
Citizen Voting Age Population (CVAP)	100,0%	100,0%	100,0%	100.0%	100.0%				
Hispanic or Latino of any Race	10.1%	12.5%	11.5%	10.4%	11:4%				
Non-Hispanic White	45.7%	65.7%	44.4%	55.7%	63.3%				
Non-Hispanic Asian	38.2%	16,7%	37.9%	28.6%	21.8%				
Non-Hispanic Black or African-American	2.4%	2.2%	2.5%	2.2%	0.7%				
All Other Non-Hispanic Races/Ethnicities	3.5%	2.9%	3.7%	3.2%	2.8%				

# Plan C

Plan C Percentage Spread: 6.89%

#### vine Ranch Water District-Plan C

Table 1. Population by Division and Rece/Ethnicky

	DIVISION					
	1	2	3	4	5	Total
Total Population	67,287	68,734	64,489	67,504	69,137	337,151
Hispanic or Latino of any Race	7,207	8,366	11,970	6,565	6,217	40,325
Non-Hispanic White	34,971	27,775	34,295	34,978	39,178	171,197
Non-Hispanic Asian	21,208	27,914	14,497	21,318	19,838	104,775
Non-Hispanic Black or African-American	882	1,285	1,065	1,217	724	5,173
All Other Non-Hispanic Races/Ethnicities	3,019	3,394	2,662	3,426	3,180	15,681
Population 18 Years and Older	49,198	52,320	49,821	53,898	56,414	261,651
Hispanic or Latino of any Race	4,994	5,738	8,157	4,759	4,853	28,531
Non-Hispanic White	26,753	22,422	28,090	29,237	32,261	138,763
Non-Hispanic Aslan	15,298	21,233	11,188	16,792	16,551	81,062
Non-Hispanic Black or African-American	681	988	846	904	610	4,029
All Other Non-Hispanic Races/Ethnicities	1,472	1,939	1,540	2,206	2,109	9,266
Citizen Voting Age Population (CVAP)	49,766	45,063	47,919	49,264	52,331	244,343
Hispanic or Latino of any Race	4,740	5,511	5,614	4,908	6,640	27,413
Non-Hispanic White	25,854	19,822	29,236	29,019	31,579	135,510
Non-Hispanic Asian	16,698	16,710	10,470	12,856	11,997	68,731
Non-Hispanic Black or African-American	889	1,160	1,328	971	462	4,810
All Other Non-Hispanic Races/Ethnicities	1,585	1,860	1,271	1,510	1,653	7,879

Target Division Population	67,430				
Division Difference from Target Population	-143	1,304	-2,941	74	1,707
Percent Difference from Target Population	-0.21%	1.93%	-4.36%	0.11%	2.53%
Percentage Spread	6.89%				

#### Table 2. Share of Division Population

	DIVISION							
	1	2	3	4	5			
Total Population	100,0%	100.0%	100,0%	100.0%	100.0%			
Hispanic or Latino of any Race	10.7%	12.2%	18.6%	9.7%	9.0%			
Non-Hispanic White	52.0%	40.4%	53.2%	51.6%	56,7%			
Non-Hispanic Asian	31.5%	40.6%	22.5%	31.6%	28.7%			
Non-Hispanic Black or African-American	1.3%	1,9%	1.7%	1.8%	1.0%			
All Other Non-Hispanic Races/Ethnicities	4.5%	4.9%	4.1%	5.1%	4.6%			
Population 15 Years and Older	100,0%	100,0%	100,0%	100.0%	100,0%			
Hispanic or Latino of any Hace	10.2%	11.0%	16,4%	8.8%	8.7%			
Non-Hispanic White	54.4%	42.9%	56.4%	54.2%	57.2%			
Non-Hispanic Asian	31.1%	40.6%	22.5%	31,2%	29.3%			
Non-Hispanic Black or African-American	1.4%	1.9%	1.7%	1.7%	1.1%			
All Other Non-Hispanic Reces/Ethnicities	3.0%	3.7%	3.1%	4.1%	3.7%			
Citizen Voting Age Population (CVAP)	100.0%	100.0%	100.0%	100.0%	100.0%			
Hispanic or Latino of any Race	9.5%	12.2%	11.7%	10.0%	12.7%			
Non-Hispanic White	52.0%	44.0%	61.0%	58.9%	60.3%			
Non-Hispanic Asian	33.6%	37.1%	21.8%	26.1%	22.9%			
Non-Hispanic Black or African-American	1.8%	2.6%	2.8%	2.0%	0.9%			
All Other Non-Hispanic Races/Ethnicities	3.2%	4.1%	2.7%	3,1%	3.2%			

Irvine Ranch Water District

# Plan D

Plan D
Percentage Spread:
4.90%

#### rvine Ranch Water District- Plan D

Table 1. Population by Division and Race/Ethnicity

	DIVISION					
	1	2	3	4	5	Total
Total Population	68,657	67,602	65,350	67,537	68,005	337,151
Hispanic or Latino of any Race	12,543	7,853	7,213	6,607	6,109	40,325
Non-Hispanic White	41,197	28,932	30,824	30,538	39,706	171,197
Non-Hispanic Asian	11,168	26,688	23,012	25,545	18,362	104,775
Non-Hispanic Black or African-American	1,026	1,045	1,082	1,310	710	5,173
All Other Non-Hispanic Races/Ethnicities	2,723	3,084	3,219	3,537	3,115	15,681
Population 18 Years and Older	51,839	49,715	50,426	53,280	56,391	261,651
Hispanic or Latino of any Race	8,542	5,293	5,073	4,749	4,874	28,531
Non-Hispanic White	32,446	22,525	25,379	25,332	33,081	138,763
Non-Hispanic Asian	8,565	19,542	17,249	19,971	15,735	81,062
Non-Hispanic Black or African-American	811	774	834	1,009	601	4,029
All Other Non-Hispanic Races/Ethnicities	1,475	1,581	1,891	2,219	2,100	9,266
Citizen Voting Age Population (CVAP)	50,644	44,570	50,582	45,490	53,057	244,343
Hispanic or Latino of any Race	6,593	4,565	4,832	4,656	6,764	27,413
Non-Hispanic White	32,329	19,404	26,910	24,296	32,571	135,510
Non-Hispanic Asian	9,180	17,843	16,566	13,602	11,540	68,731
Non-Hispanic Black or African-American	967	1,124	1,084	1,173	462	4,810
All Other Non-Hispanic Reces/Ethnicities	1,575	1,631	1,190	1,763	1,720	7,879

67,430				
1,227	172	-2,080	107	575
1.82%	0.25%	-3.08%	0.16%	0.85%
4.90%				
	1,227 1.82%	1.82% 0.25%	1,227 172 -2,080 1.82% 0.25% -3,08%	1,227 172 -2,080 107 1.82% 0.25% -3.08% 0.16%

#### Table 2. Share of Division Populations

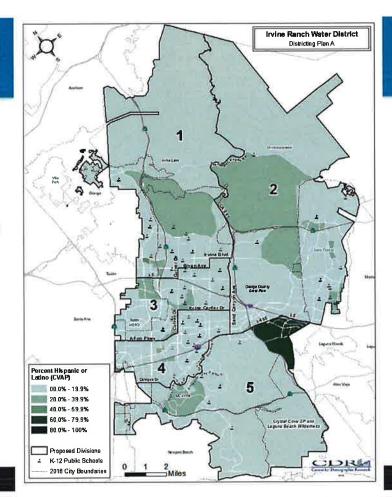
	DIVISION							
	1	2	3	4	5			
Total Population	100.0%	100.0%	100.0%	100.0%	100.0%			
Hispanic or Latino of any Race	18.3%	11.6%	11.0%	9.8%	9.0%			
Non-Hispanic White	60.0%	42.8%	47.2%	45.2%	58,4%			
Non-Hispanic Asian	16.3%	39.5%	35.2%	37.8%	27.0%			
Non-Hispanic Black or African-American	1.5%	1.5%	1.7%	1.9%	1.0%			
All Other Non-Hispanic Races/Ethnicities	4.0%	4,6%	4.9%	5.2%	4.6%			
Population 18 Years and Older	100.0%	100.0%	100.0%	100.0%	100.0%			
Hispanic or Latino of any Race	16.5%	10.6%	10.1%	8,9%	8,6%			
Non-Hispanic White	62.6%	45.314	50.3%	47.5%	58.7%			
Non-Hispanic Asian	16.5%	39.3%	34.2%	37.5%	27.9%			
Non-Hispanic Black or African-American	1.6%	1,6%	1.7%	1.9%	1.1%			
All Other Non-Hispanic Races/Ethnicities	2.8%	3.2%	3.8%	4.2%	3.7%			
Citizen Voting Age Population (CVAP)	100.0%	100.0%	100.0%	100.0%	100.0%			
Hispanic or Latino of any Race	13.0%	10.2%	9.6%	10.2%	12.7%			
Non-Hispanic White	63.8%	43.5%	53.2%	53,4%	61.4%			
Non-Hispanic Aslan	18.1%	40.0%	32.8%	29.9%	21.8%			
Non-Hispanic Black or African-American	1.9%	2.5%	2.1%	2.6%	0.9%			
All Other Non-Hispanic Races/Ethnicities	3.1%	3.7%	2.4%	3.9%	3.2%			

### Plan A

Plan A
Percentage Spread:

3.19%

Largest Hispanic share of CVAP: 12.8%- Division 2 12.7%- Division 5



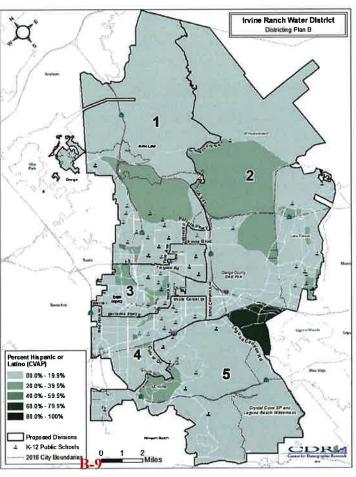
Irvine Ranch Water District

### Plan B

Plan B Percentage Spread:

8.60%

Largest Hispanic share of CVAP: 12.5%- Division 2 11.5%- Division 3

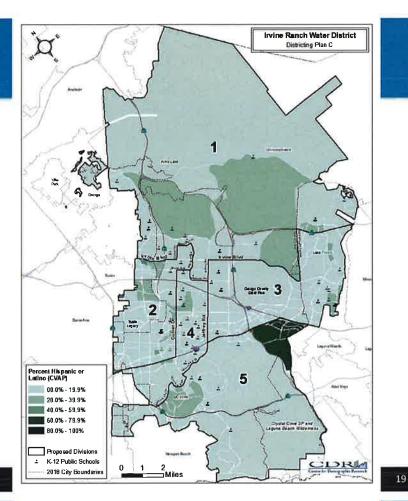


## Plan C

Plan C Percentage Spread:

6.89%

Largest Hispanic share of CVAP: 12.7%- Division 5 12.2%- Division 2



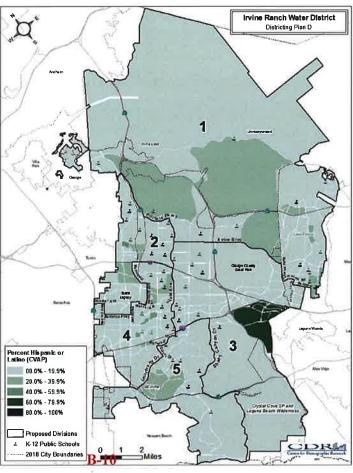
Irvine Ranch Water District

### Plan D

Plan D Percentage Spread:

4.90%

Largest Hispanic share of CVAP: 13.0%- Division 1 12.7%- Division 5



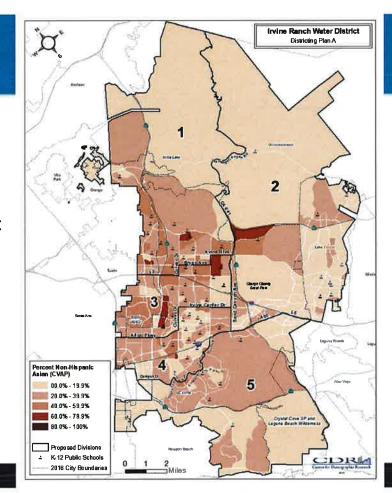
Irvine Ranch Water District

### Plan A

Plan A
Percentage Spread:

3.19%

Largest Non-Hispanic Asian share of CVAP: 38.2%- Division 1 37.8%- Division 3



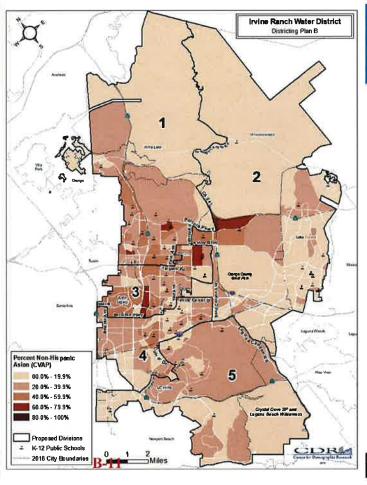
Irvine Ranch Water District

### Plan B

Plan B Percentage Spread:

8.60%

Largest Non-Hispanic Asian share of CVAP: 38.2%- Division 1 37.9%- Division 3



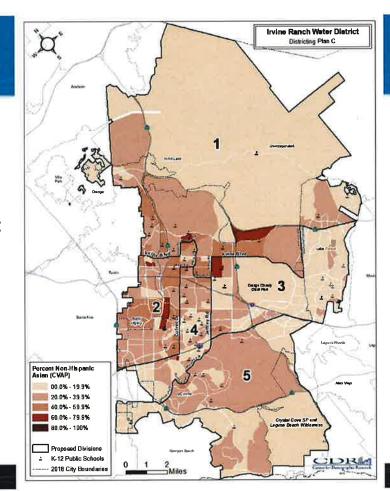
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### Plan C

Plan C Percentage Spread:

6.89%

Largest Non-Hispanic Asian share of CVAP: 37.1%- Division 2 33.6%- Division 1



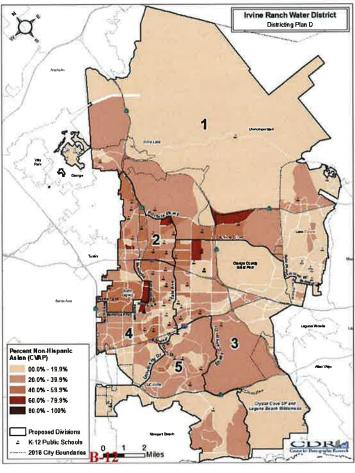
Irvine Ranch Water District

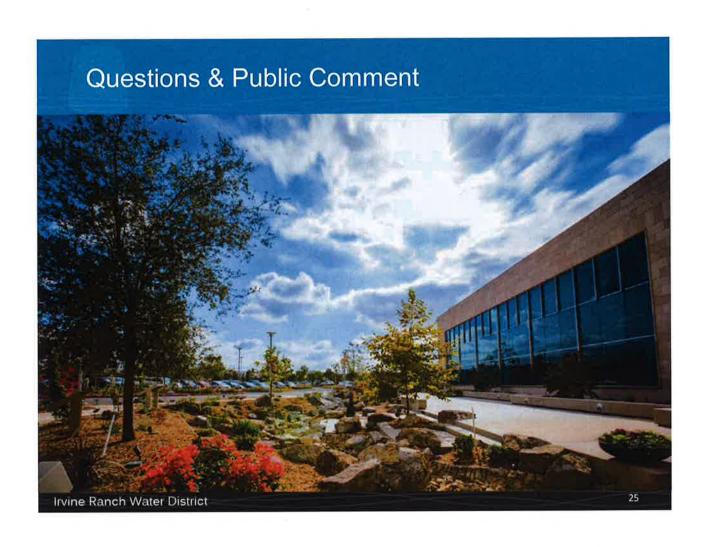
### Plan D

Plan D Percentage Spread:

4.90%

Largest Non-Hispanic Asian share of CVAP: 40.0%- Division 2 32.8%- Division 3

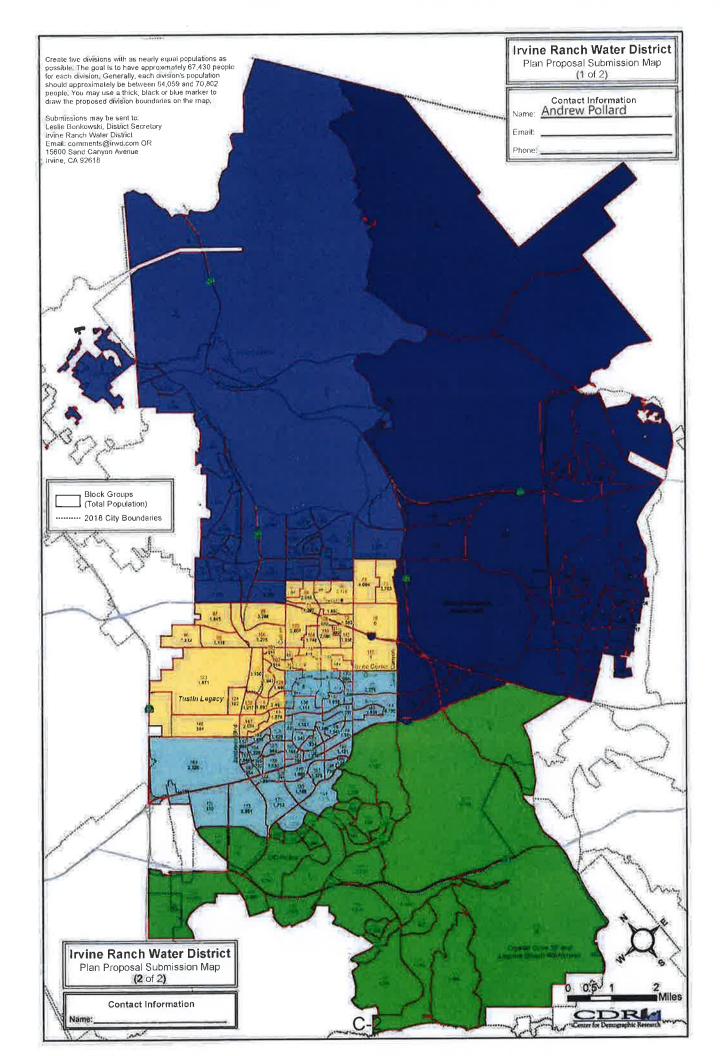




### EXHIBIT "C"

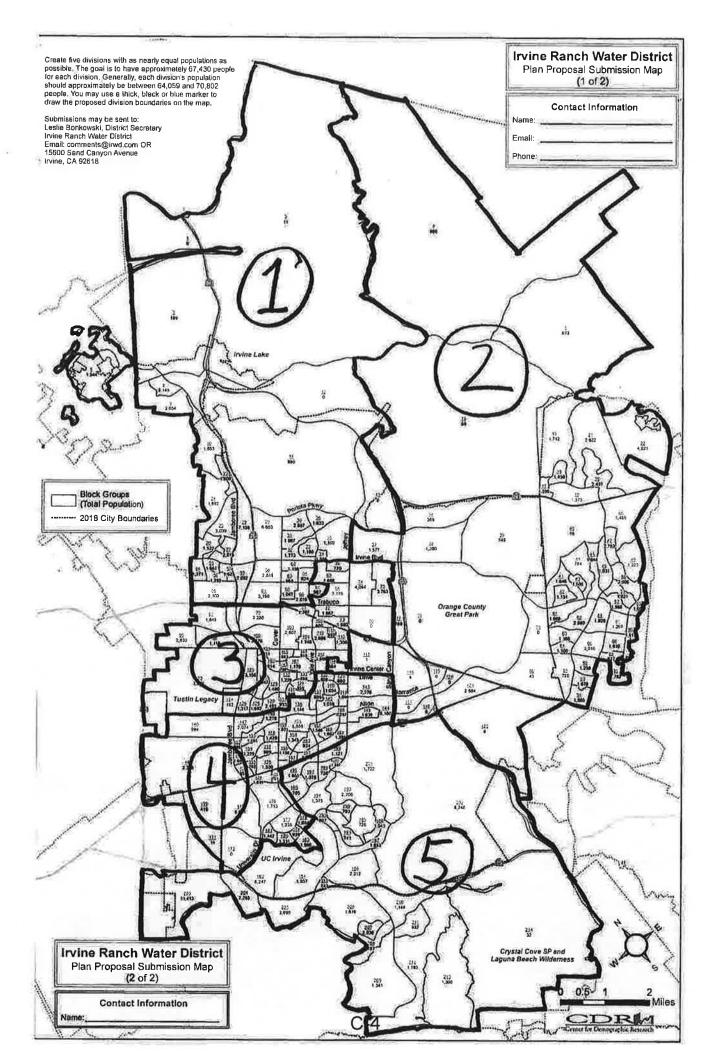
### Public Comment Submitted to the Irvine Ranch Water District on the Composition of Possible Divisions August 15 – October 15, 2018

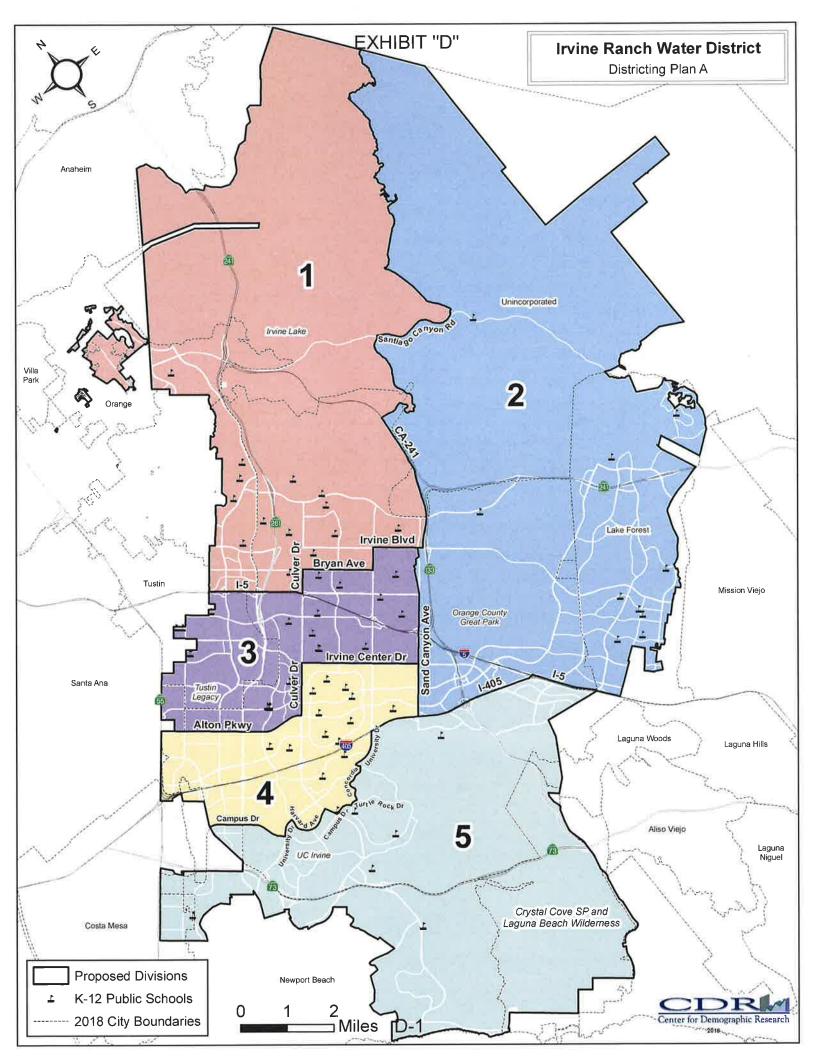
Author	Comment Submitted
Andrew Pollard	The proposed divisions were created as carefully as possible to minimize deviations from the target population amounts, while attempting to maintain well-established neighborhoods under a single director (Woodbridge, UC Irvine, Lake Forest, Tustin Ranch). Due to the nature of the population data, some neighborhoods had to be split between two directors to avoid an imbalance in the number of registered voters.
	From a geography perpsective, I attempted to divide the overall land area as much as possible so that a single director is not left with an oversized district, while others are responsible for more compact districts, as this could may potentially be viewed as an unfair advantage in an election. This is reflected in the division of the unincorporated area at the northeast end of the IRWD service area.
	Where possible, major streets and highways served as dividing lines between the various district areas. I attempted to keep the lines as clean and straight as possible, while minimizing the amount of zigzags. I figured that this would be beneficial to the overall compactness and simplicity of the map.
	Lastly, this proposed breakup of the IRWD service area is not submitted in support or against the proposed move to district elections.
	Thank you, Andrew Pollard



### Public Comment Submitted to the Irvine Ranch Water District on the Composition of Possible Divisions August 15 – October 15, 2018

Author	Comment Submitted
Zeke Hernandez on behalf of California LULAC/Santa Ana LULAC Council #147	This districting plan provides an opportunity for a Latino candidate to be elected to the IRWD board because the northeast area of the District that has a strong Latino voting block is not splintered.





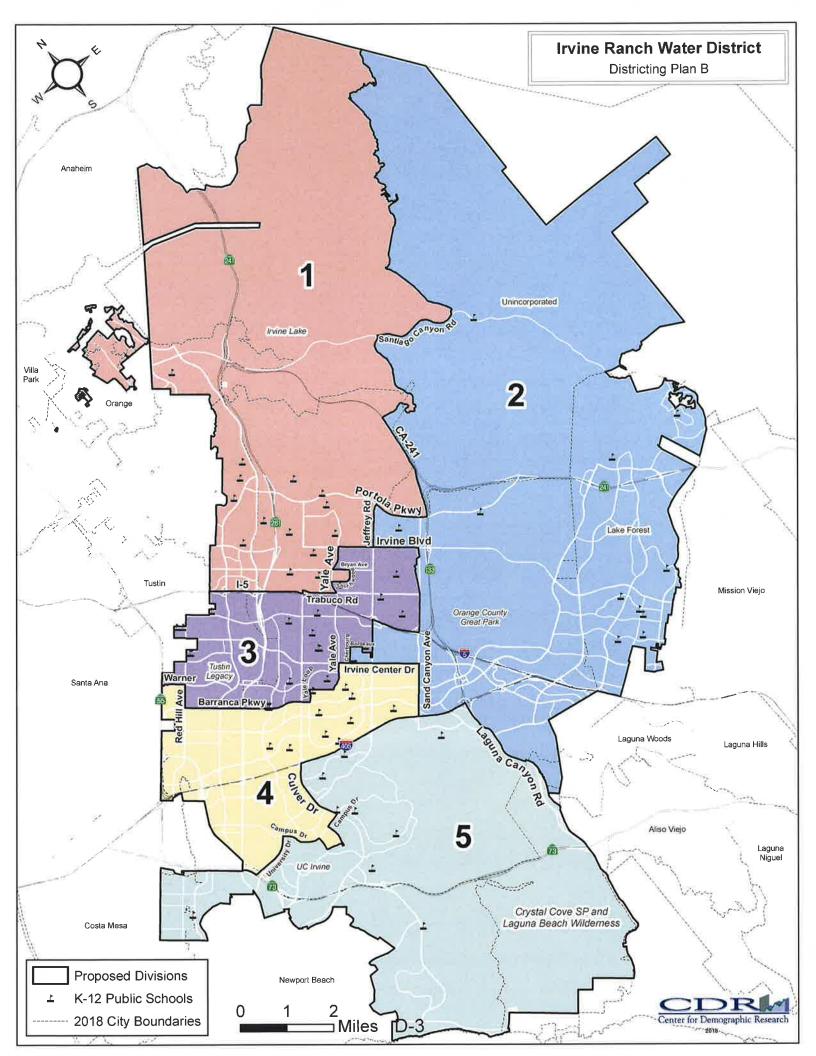
### Irvine Ranch Water District- Plan A

Table 1. Population by Division and Race/Ethnicity

	DIVISION					
	1	2	3	4	5	Total
Total Population	67,229	66,316	67 <b>,36</b> 5	68,468	67,773	337,151
Hispanic or Latino of any Race	7,092	13,223	7,809	6,058	6,143	40,325
Non-Hispanic White	31,151	39,670	27,294	34,423	38,659	171,197
Non-Hispanic Asian	25,013	9,693	27,673	23,253	19,143	104,775
Non-Hispanic Black or African-American	993	1,060	1,284	1,123	713	5,173
All Other Non-Hispanic Races/Ethnicities	2,980	2,670	3,305	3,611	3,115	15,681
Population 18 Years and Older	49,792	50,705	50,950	54,799	55,405	261,651
Hispanic or Latino of any Race	4,857	8,993	5,422	4,428	4,831	28,531
Non-Hispanic White	24,432	31,702	21,987	28,806	31,836	138,763
Non-Hispanic Asian	18,245	7,661	20,748	18,347	16,061	81,062
Non-Hispanic Black or African-American	751	855	933	888	602	4,029
All Other Non-Hispanic Races/Ethnicities	1,507	1,494	1,860	2,330	2,075	9,266
Citizen Voting Age Population (CVAP)	47,635	49,668	46,432	48,938	51,670	244,343
Hispanic or Latino of any Race	4,875	6,338	5,553	4,097	6,550	27,413
Non-Hispanic White	21,773	32,994	20,425	29,094	31,224	135,510
Non-Hispanic Asian	18,195	7,835	17,550	13,355	11,796	68,731
Non-Hispanic Black or African-American	1,093	1,081	1,224	950	462	4,810
All Other Non-Hispanic Races/Ethnicities	1,699	1,420	1,680	1,442	1,638	7,879
Target Division Population	67,430					
Division Difference from Target Population	-201	-1,114	-65	1,038	343	
Percent Difference from Target Population	-0.30%	-1.65%	-0.10%	1.54%	0.51%	
Percentage Spread	3.19%					

Table 2. Share of Division Populations

		0	DIVISION		
	1	2	3	4	5
Total Population  Hispanic or Latino of any Race Non-Hispanic White Non-Hispanic Asian Non-Hispanic Black or African-American All Other Non-Hispanic Races/Ethnicities Population 18 Years and Older Hispanic or Latino of any Race Non-Hispanic White Non-Hispanic Asian Non-Hispanic Black or African-American All Other Non-Hispanic Races/Ethnicities Citizen Voting Age Population (CVAP) Hispanic or Latino of any Race Non-Hispanic White	100.0%	100.0%	100.0%	100.0%	100.0%
Hispanic or Latino of any Race	10.5%	19.9%	11.6%	8.8%	9.1%
Non-Hispanic White	46.3%	59.8%	40.5%	50.3%	57.0%
Non-Hispanic Asian	37.2%	14.6%	41.1%	34.0%	28.2%
Non-Hispanic Black or African-American	1.5%	1.6%	1.9%	1.6%	1.1%
All Other Non-Hispanic Races/Ethnicities	4.4%	4.0%	4.9%	5.3%	4.6%
Population 18 Years and Older	100.0%	100.0%	100.0%	100.0%	100.0%
Hispanic or Latino of any Race	9.8%	17.7%	10.6%	8.1%	8.7%
Non-Hispanic White	49.1%	62.5%	43.2%	52.6%	57.5%
Non-Hispanic Asian	36.6%	15.1%	40.7%	33.5%	29.0%
Non-Hispanic Black or African-American	1.5%	1.7%	1.8%	1.6%	1.1%
All Other Non-Hispanic Races/Ethnicities	3.0%	2.9%	3.7%	4.3%	3.7%
Citizen Voting Age Population (CVAP)	100.0%	100.0%	100.0%	100.0%	100.0%
Hispanic or Latino of any Race	10.2%	12.8%	12.0%	8.4%	12.7%
Non-Hispanic White	45.7%	66.4%	44.0%	59.5%	60.4%
Non-Hispanic Asian	38.2%	15.8%	37.8%	27.3%	22.8%
Non-Hispanic Black or African-American	2.3%	2.2%	2.6%	1.9%	0.9%
All Other Non-Hispanic Races/Ethnicities	3.6%	2.9%	3.6%	2.9%	3.2%



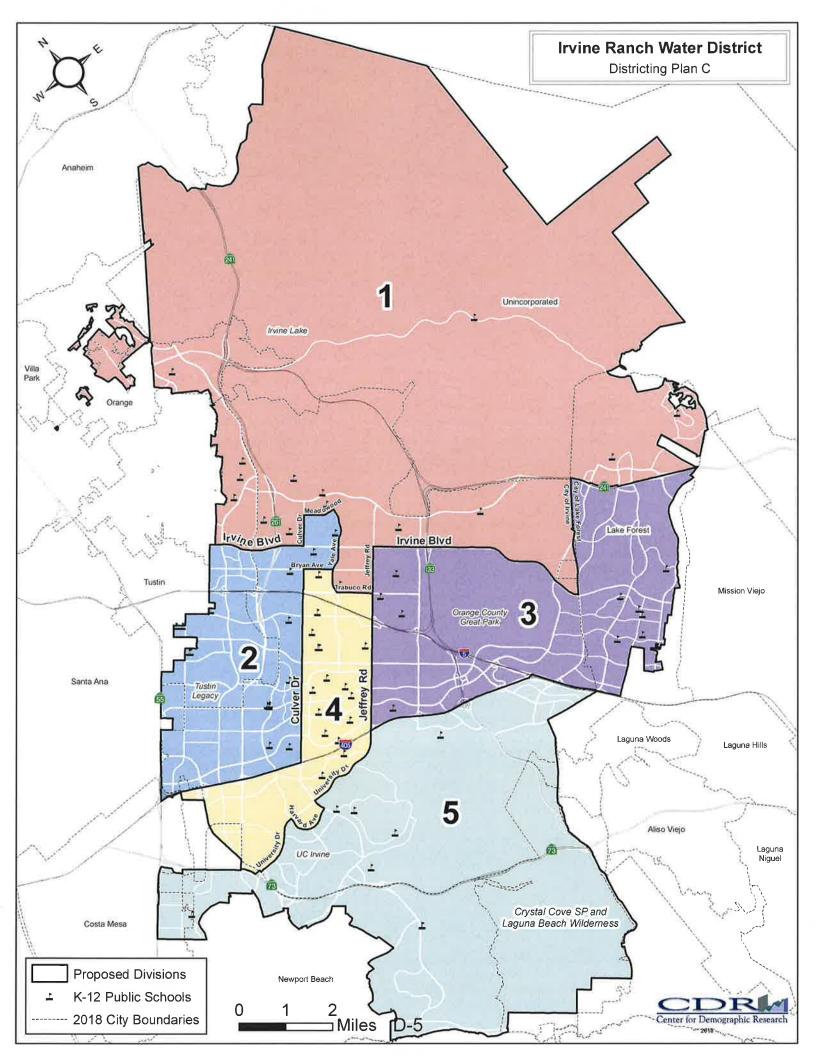
### Irvine Ranch Water District- Plan B

Table 1. Population by Division and Race/Ethnicity

DIVISION					
1	2	3	4	5	Total
67,094	68,886	65,550	64,912	70,709	337,151
7,047	13,468	7,409	6,362	6,039	40,325
30,783	41,003	27,634	30,375	41,402	171,197
25,335	10,516	26,224	23,382	19,318	104,775
962	1,114	1,143	1,245	709	5,173
2,967	2,785	3,140	3,548	3,241	15,681
49,410	52,802	49,516	52,774	57,149	261,651
4,792	9,192	5,143	4,685	4,719	28,531
23,934	32,846	22,260	25,748	33,975	138,763
18,483	8,294	19,577	18,924	15,784	81,062
725	900	815	992	597	4,029
1,476	1,570	1,721	2,425	2,074	9,266
44,561	52,099	47,595	46,874	53,214	244,343
4,486	6,512	5,471	4,898	6,046	27,413
20,375	34,244	21,111	26,098	33,682	135,510
17,041	8,681	18,035	13,387	11,587	68,731
1,085	1,128	1,197	1,008	392	4,810
1,574	1,534	1,781	1,483	1,507	7,879
67,430					
-336	1,456	-1,880	-2,518	3,279	
-0.50%	2.16%	-2.79%	-3.73%	4.86%	
8.60%					
	67,094 7,047 30,783 25,335 962 2,967 49,410 4,792 23,934 18,483 725 1,476 44,561 4,486 20,375 17,041 1,085 1,574 67,430 -336 -0.50%	1         2           67,094         68,886           7,047         13,468           30,783         41,003           25,335         10,516           962         1,114           2,967         2,785           49,410         52,802           4,792         9,192           23,934         32,846           18,483         8,294           725         900           1,476         1,570           44,561         52,099           4,486         6,512           20,375         34,244           17,041         8,681           1,085         1,128           1,574         1,534           67,430         -336         1,456           -0.50%         2.16%	1         2         3           67,094         68,886         65,550           7,047         13,468         7,409           30,783         41,003         27,634           25,335         10,516         26,224           962         1,114         1,143           2,967         2,785         3,140           49,410         52,802         49,516           4,792         9,192         5,143           23,934         32,846         22,260           18,483         8,294         19,577           725         900         815           1,476         1,570         1,721           44,561         52,099         47,595           4,486         6,512         5,471           20,375         34,244         21,111           17,041         8,681         18,035           1,085         1,128         1,197           1,574         1,534         1,781           67,430         -336         1,456         -1,880           -0.50%         2.16%         -2.79%	1         2         3         4           67,094         68,886         65,550         64,912           7,047         13,468         7,409         6,362           30,783         41,003         27,634         30,375           25,335         10,516         26,224         23,382           962         1,114         1,143         1,245           2,967         2,785         3,140         3,548           49,410         52,802         49,516         52,774           4,792         9,192         5,143         4,685           23,934         32,846         22,260         25,748           18,483         8,294         19,577         18,924           725         900         815         992           1,476         1,570         1,721         2,425           44,561         52,099         47,595         46,874           4,486         6,512         5,471         4,898           20,375         34,244         21,111         26,098           17,041         8,681         18,035         13,387           1,085         1,128         1,197         1,008           1,574	1         2         3         4         5           67,094         68,886         65,550         64,912         70,709           7,047         13,468         7,409         6,362         6,039           30,783         41,003         27,634         30,375         41,402           25,335         10,516         26,224         23,382         19,318           962         1,114         1,143         1,245         709           2,967         2,785         3,140         3,548         3,241           49,410         52,802         49,516         52,774         57,149           4,792         9,192         5,143         4,685         4,719           23,934         32,846         22,260         25,748         33,975           18,483         8,294         19,577         18,924         15,784           725         900         815         992         597           1,476         1,570         1,721         2,425         2,074           44,561         52,099         47,595         46,874         53,214           4,486         6,512         5,471         4,898         6,046           20,375

Table 2. Share of Division Populations

	DIVISION						
	1	2	3	4	5		
Total Population	100.0%	100.0%	100.0%	100.0%	100.0%		
Hispanic or Latino of any Race	10.5%	19.6%	11.3%	9.8%	8.5%		
Non-Hispanic White	45.9%	59.5%	42.2%	46.8%	58.6%		
Non-Hispanic Asian	37.8%	15.3%	40.0%	36.0%	27.3%		
Non-Hispanic Black or African-American	1.4%	1.6%	1.7%	1.9%	1.0%		
All Other Non-Hispanic Races/Ethnicities	4.4%	4.0%	4.8%	5.5%	4.6%		
Population 18 Years and Older	100.0%	100.0%	100.0%	100.0%	100.0%		
Hispanic or Latino of any Race	9.7%	17.4%	10.4%	8.9%	8.3%		
Non-Hispanic White	48.4%	62.2%	45.0%	48.8%	59.4%		
Non-Hispanic Asian	37.4%	15.7%	39.5%	35.9%	27.6%		
Non-Hispanic Black or African-American	1.5%	1.7%	1.6%	1.9%	1.0%		
All Other Non-Hispanic Races/Ethnicities	3.0%	3.0%	3.5%	4.6%	3.6%		
Citizen Voting Age Population (CVAP)	100.0%	100.0%	100.0%	100.0%	100.0%		
Hispanic or Latino of any Race	10.1%	12.5%	11.5%	10.4%	11.4%		
Non-Hispanic White	45.7%	65.7%	44.4%	55.7%	63.3%		
Non-Hispanic Asian	38.2%	16.7%	37.9%	28.6%	21.8%		
Non-Hispanic Black or African-American	2.4%	2.2%	2.5%	2.2%	0.7%		
All Other Non-Hispanic Races/Ethnicities	3.5%	2.9%	3.7%	3.2%	2.8%		



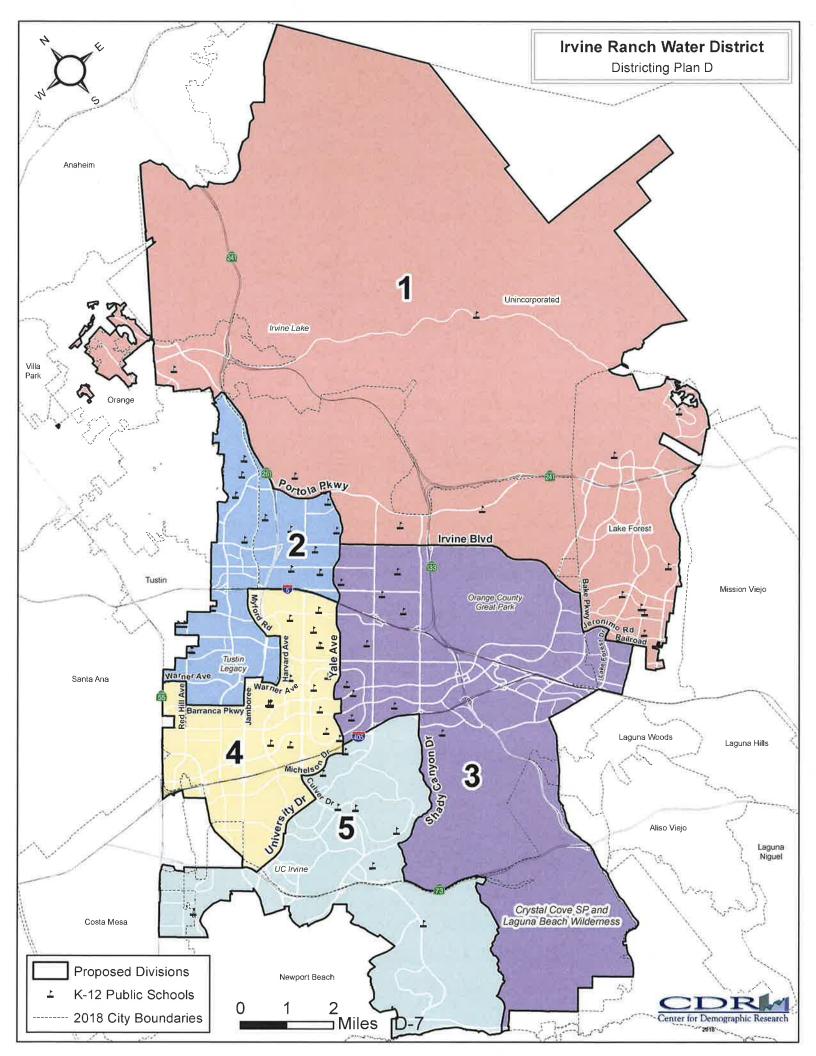
### Irvine Ranch Water District- Plan C

Table 1. Population by Division and Race/Ethnicity

			DIVISION			
	1	2	3	4	5	Total
Total Population	67,287	68,734	64,489	67,504	69,137	337,151
Hispanic or Latino of any Race	7,207	8,366	11,970	6,565	6,217	40,325
Non-Hispanic White	34,971	27,775	34,295	34,978	39,178	171,197
Non-Hispanic Asian	21,208	27,914	14,497	21,318	19,838	104,775
Non-Hispanic Black or African-American	882	1,285	1,065	1,217	724	5,173
All Other Non-Hispanic Races/Ethnicities	3,019	3,394	2,662	3,426	3,180	15,681
Population 18 Years and Older	49,198	52,320	49,821	53,898	56,414	261,651
Hispanic or Latino of any Race	4,994	5,738	8,157	4,759	4,883	28,531
Non-Hispanic White	26,753	22,422	28,090	29,237	32,261	138,763
Non-Hispanic Asian	15,298	21,233	11,188	16,792	16,551	81,062
Non-Hispanic Black or African-American	681	988	846	904	610	4,029
All Other Non-Hispanic Races/Ethnicities	1,472	1,939	1,540	2,206	2,109	9,266
Citizen Voting Age Population (CVAP)	49,766	45,063	47,919	49,264	52,331	244,343
Hispanic or Latino of any Race	4,740	5,511	5,614	4,908	6,640	27,413
Non-Hispanic White	25,854	19,822	29,236	29,019	31,579	135,510
Non-Hispanic Asian	16,698	16,710	10,470	12,856	11,997	68,731
Non-Hispanic Black or African-American	889	1,160	1,328	971	462	4,810
All Other Non-Hispanic Races/Ethnicities	1,585	1,860	1,271	1,510	1,653	7,879
Target Division Population	67,430					
Division Difference from Target Population	-143	1,304	-2,941	74	1,707	
Percent Difference from Target Population	-0.21%	1.93%	-4.36%	0.11%	2.53%	
Percentage Spread	6.89%					

Table 2. Share of Division Populations

	DIVISION						
	1	2	3	4	5		
Total Population	100.0%	100.0%	100.0%	100.0%	100.0%		
Hispanic or Latino of any Race	10.7%	12.2%	18.6%	9.7%	9.0%		
Non-Hispanic White	52.0%	40.4%	53.2%	51.8%	56.7%		
Non-Hispanic Asian	31.5%	40.6%	22.5%	31.6%	28.7%		
Non-Hispanic Black or African-American	1.3%	1.9%	1.7%	1.8%	1.0%		
All Other Non-Hispanic Races/Ethnicities	4.5%	4.9%	4.1%	5.1%	4.6%		
Population 18 Years and Older	100.0%	100.0%	100.0%	100.0%	100.0%		
Hispanic or Latino of any Race	10.2%	11.0%	16.4%	8.8%	8.7%		
Non-Hispanic White	54.4%	42.9%	56.4%	54.2%	57.2%		
Non-Hispanic Asian	31.1%	40.6%	22.5%	31.2%	29.3%		
Non-Hispanic Black or African-American	1.4%	1.9%	1.7%	1.7%	1.1%		
All Other Non-Hispanic Races/Ethnicities	3.0%	3.7%	3.1%	4.1%	3.7%		
Citizen Voting Age Population (CVAP)	100.0%	100.0%	100.0%	100.0%	100.0%		
Hispanic or Latino of any Race	9.5%	12.2%	11.7%	10.0%	12.7%		
Non-Hispanic White	52.0%	44.0%	61.0%	58.9%	60.3%		
Non-Hispanic Asian	33.6%	37.1%	21.8%	26.1%	22.9%		
Non-Hispanic Black or African-American	1.8%	2.6%	2.8%	2.0%	0.9%		
All Other Non-Hispanic Races/Ethnicities	3.2%	4.1%	2.7%	3.1%	3.2%		



### Irvine Ranch Water District- Plan D

Table 1. Population by Division and Race/Ethnicity

•		ı	DIVISION			
	1	2	3	4	5	Total
Total Population	68,657	67,602	65,350	67,537	68,005	337,151
Hispanic or Latino of any Race	12,543	7,853	7,213	6,607	6,109	40,325
Non-Hispanic White	41,197	28,932	30,824	30,538	39,706	171,197
Non-Hispanic Asian	11,168	26,688	23,012	25,545	18,362	104,775
Non-Hispanic Black or African-American	1,026	1,045	1,082	1,310	710	5,173
All Other Non-Hispanic Races/Ethnicities	2,723	3,084	3,219	3,537	3,118	15,681
Population 18 Years and Older	51,839	49,715	50,426	53,280	56,391	261,651
Hispanic or Latino of any Race	8,542	5,293	5,073	4,749	4,874	28,531
Non-Hispanic White	32,446	22,525	25,379	25,332	33,081	138,763
Non-Hispanic Asian	8,565	19,542	17,249	19,971	15,735	81,062
Non-Hispanic Black or African-American	811	774	834	1,009	601	4,029
All Other Non-Hispanic Races/Ethnicities	1,475	1,581	1,891	2,219	2,100	9,266
Citizen Voting Age Population (CVAP)	50,644	44,570	50,582	45,490	53,057	244,343
Hispanic or Latino of any Race	6,593	4,568	4,832	4,656	6,764	27,413
Non-Hispanic White	<b>32,</b> 329	19,404	26,910	24,296	32,571	135,510
Non-Hispanic Asian	9,180	17,843	16,566	13,602	11,540	68,731
Non-Hispanic Black or African-American	967	1,124	1,084	1,173	462	4,810
All Other Non-Hispanic Races/Ethnicities	1,575	1,631	1,190	1,763	1,720	7,879
Target Division Population	67,430					
Division Difference from Target Population	1,227	172	-2,080	107	575	
Percent Difference from Target Population	1.82%	0.25%	-3.08%	0.16%	0.85%	
Percentage Spread	4.90%					

Table 2. Share of Division Populations

	DIVISION						
	1	2	3	4	5		
Total Population	100.0%	100.0%	100.0%	100.0%	100.0%		
Hispanic or Latino of any Race	18.3%	11.6%	11.0%	9.8%	9.0%		
Non-Hispanic White	60.0%	42.8%	47.2%	45.2%	58.4%		
Non-Hispanic Asian	16.3%	39.5%	35.2%	37.8%	27.0%		
Non-Hispanic Black or African-American	1.5%	1.5%	1.7%	1.9%	1.0%		
All Other Non-Hispanic Races/Ethnicities	4.0%	4.6%	4.9%	5.2%	4.6%		
Population 18 Years and Older	100.0%	100.0%	100.0%	100.0%	100.0%		
Hispanic or Latino of any Race	16.5%	10.6%	10.1%	8.9%	8.6%		
Non-Hispanic White	62.6%	45.3%	50.3%	47.5%	58.7%		
Non-Hispanic Asian	16.5%	39.3%	34.2%	37.5%	27.9%		
Non-Hispanic Black or African-American	1.6%	1.6%	1.7%	1.9%	1.1%		
All Other Non-Hispanic Races/Ethnicities	2.8%	3.2%	3.8%	4.2%	3.7%		
Citizen Voting Age Population (CVAP)	100.0%	100.0%	100.0%	100.0%	100.0%		
Hispanic or Latino of any Race	13.0%	10.2%	9.6%	10.2%	12.7%		
Non-Hispanic White	63.8%	43.5%	53.2%	53.4%	61.4%		
Non-Hispanic Asian	18.1%	40.0%	32.8%	29.9%	21.8%		
Non-Hispanic Black or African-American	1.9%	2.5%	2.1%	2.6%	0.9%		
All Other Non-Hispanic Races/Ethnicities	3.1%	3.7%	2.4%	3.9%	3.2%		

December 10, 2018

Prepared and

Submitted by: K. Swan

Approved by: Paul A. Cook

#### CONSENT CALENDAR

### RATIFY/APPROVE BOARD OF DIRECTORS' ATTENDANCE AT MEETINGS AND EVENTS

### SUMMARY:

Pursuant to Resolution 2006-29 adopted on August 28, 2006, approval of attendance of the following events and meetings are required by the Board of Directors.

### **Events/Meetings**

### Steven LaMar

OCBC & ACC-OC 2018 Holiday Event December 13

January 9-11, 2019 National Water Resources Association 2019 Leadership Forum, Phoenix

### Mary Aileen Matheis

OC Forum's 2018 Midterm Election Recap Luncheon, Newport Beach December 6

### Doug Reinhart

MWDOC Semi-Annual Elected Officials' Forum December 6

### Peer Swan

Water Education Foundation's Water Year 2019: Feast or Famine? December 5

Presentation, Irvine

OC Forum's 2018 Midterm Election Recap Luncheon, Newport Beach December 6

California Association of Sanitation Agencies Federal Legislation Committee December 7

Meeting, Sacramento

### John Withers

December 6 MWDOC Semi-Annual Elected Officials' Forum

City of Irvine Swearing-In Ceremony December 11 OCBC & ACC-OC 2018 Holiday Event December 13

January 27-29, 2019 VerdeXchange 2019 Conference & Expo, Los Angeles

#### RECOMMENDATION:

THAT THE BOARD RATIFY/APPROVE THE MEETINGS AND EVENTS FOR STEVEN LAMAR, MARY AILEEN MATHEIS, DOUG REINHART, PEER SWAN, AND JOHN WITHERS AS DESCRIBED HEREIN.

### **LIST OF EXHIBITS:**

None.

December 10, 2018

Prepared and

Submitted by: K. Swan

Approved by: Paul A. Cook

#### CONSENT CALENDAR

#### MINUTES OF BOARD MEETING

#### **SUMMARY:**

Provided are the minutes of the November 12, 2018 Regular Board meeting for approval.

#### FISCAL IMPACTS:

None.

#### **ENVIRONMENTAL COMPLIANCE:**

Not applicable.

#### **COMMITTEE STATUS:**

Not applicable.

#### **RECOMMENDATION:**

THAT THE MINUTES OF THE NOVEMBER 12, 2018 REGULAR BOARD MEETING BE APPROVED AS PRESENTED.

#### **LIST OF EXHIBITS:**

Exhibit "A" – November 12, 2018 Minutes of Regular Board Meeting

#### EXHIBIT "A"

#### MINUTES OF REGULAR MEETING – NOVEMBER 12, 2018

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:00 p.m. by President Reinhart on November 12, 2018 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

Directors Present: Reinhart, LaMar, Swan, Matheis, and Withers.

Directors Absent: None.

Also Present: General Manager Cook, Executive of Engineering and Water Quality Burton, Executive Director of Finance and Administration Clary, Executive Director of Water Policy Weghorst, Executive Director of Operations Chambers, Director of Treasury and Risk Management Jacobson, Director of Water Resources Sanchez, Director of Water Recycling Operations Zepeda, Director of Public Affairs Beeman, Director of Human Resources Roney, Government Relations Officer Compton, Public Affairs Manager Fabris, Legal Counsel Collins, Assistant Secretary Swan, Asset Systems Manager Meserlian, Principal Engineer Akiyoshi, Principal Engineer Mori, Electrical and Instrumentation Manager O'Neill, Manager of Risk & Contracts Administration Shinbashi, Water Efficiency Manager McNulty, Water Efficiency Supervisor Hastings, Senior Human Resources Analyst Srader, Associate Engineer Marcacci, Associate Engineer Robinson, Financial Analyst Pardee, Operator III Daniel, , Mr. Andrew Pollard, Mr. Gregorio Estrada (HDR), Ms. Jennifer Ziv (Woodard & Curran), Mr. Scott Goldman (Woodard & Curran), Mr. Andrew Lazenby (Brown & Caldwell), Ms. Wendy Browley (Brown & Caldwell), Mr. Colin Lavin (IBEW #47), Mr. Jeff Brown, and members of the public.

#### WRITTEN COMMUNICATIONS: None.

ORAL COMMUNICATIONS: Mr. Colin Lavin of International Brotherhood of Electrical Workers addressed the Board relative to the status of the labor negotiations.

Mr. Matthew Daniel, a District Employee, introduced himself to the Board and spoke in support of the general unit employees labor negotiations and asked that negotiations move forward.

ITEMS TOO LATE TO BE AGENDIZED: None.

#### BOARD PRESENTATION

#### POTABLE REUSE CONCEPTUAL STUDY

Associate Engineer Marcacci presented a PowerPoint presentation regarding the Potable Reuse Conceptual Study to identify beneficial potable reuse options that was initiated by the District in December 2017. He outlined the three core elements of the project: 1) survey the current regulatory and industry environment; 2) conceptually analyze potable reuse alternatives for IRWD;

#### BOARD PRESENTATION (CONTINUED)

and 3) conduct a workshop with the Board of Directors regarding potable reuse. Mr. Marcacci indicated that staff and project consultant Brown and Caldwell completed the first two elements and presented nine alternatives to implementing potable reuse. Based on the screening criteria, staff identified four top recommended alternatives. Staff then responded to several comments made by the Board and staff was thanked for their efforts regarding the study.

#### CONSENT CALENDAR

President Reinhart asked that Item No. 9, <u>IRVINE RANCH WATER DISTRICT STRATEGIC</u> <u>MEASURES</u> be moved to the action calendar for discussion. There being no further comments, this item was moved to the action calendar (See page 3).

Prior to the consideration of the Consent Calendar, President Reinhart provided comments on Item No. 6, <u>CHANGES TO GENERAL MANAGER'S COMPENSATION</u>. Mr. Reinhart reported that on October 22, 2018, the Board conducted its annual performance evaluation of the General Manager. The Board was asked to consider changes to his compensation as a result of that performance review.

Mr. Reinhart said that pursuant to Government Code Section 54953(c)(3), prior to taking final action on changes to the General Manager's compensation, he was providing a summary of the recommended action before the Board. The recommendation is to increase the annual base salary of the General Manager by 4%, or \$11,800, to \$306,800, a one-time performance award of \$9,000 as a taxable lump sum cash payment, and adjust the automobile allowance to \$725 per month, effective October 1, 2018. All other aspects of the General Manger's compensation would remain unchanged.

There being no further comments, on <u>MOTION</u> by Withers, seconded by LaMar, and unanimously carried (Withers, LaMar, Swan, Matheis, and Reinhart voting aye), CONSENT CALENDAR ITEMS 4 THROUGH 8 AND 10 WERE APPROVED AS FOLLOWS:

## 4. RATIFY/APPROVE BOARD OF DIRECTORS' ATTENDANCE AT MEETINGS AND EVENTS

Recommendation: That the Board ratify/approve the meetings and events for Mary Aileen Matheis, Steve LaMar, Peer Swan and John Withers, as described.

#### 5. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the October 22, 2018 Regular Board Meeting be approved as presented.

#### CONSENT CALENDAR (CONTINUED)

#### 6. CHANGES TO GENERAL MANAGER'S COMPENSATION

Recommendation: That the Board approve an increase to the annual salary of the General Manager to the amount of \$306,800, a one-time performance award in the amount of \$9,000, and adjust the General Manager's automobile allowance to \$725 per month, effective October 1, 2018.

### 7. OFFSITE PIPELINES FOR THE IRVINE LAKE PIPELINE NORTH CONVERSION FINAL ACCEPTANCE

Recommendation: That the Board accept construction of the offsite pipelines for the Irvine Lake Pipeline North Conversion, Project 05823, authorize the General Manager to file a Notice of Completion, and authorize the payment of the retention 35 days after the date of recording the Notice of Completion.

#### 8. REVISIONS TO THE DISTRICT'S CONFLICT OF INTEREST CODE

Recommendation: That the Board adopt the following resolution by title:

#### RESOLUTION NO. 2018 - 28

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT RESCINDING RESOLUTION NO. 2015-30 AND ADOPTING A REVISED CONFLICT OF INTEREST CODE FOR THE DISTRICT

#### 10. 2018 LEGISLATIVE AND REGULATORY UPDATE

Recommendation: That the Board approve including IRWD in the attached Orange County Water District letter as one of the Producers in support of the formation of a Funding Area that will allow north Orange County to compete for state bond funds through the Integrated Regional Water Management program.

#### **ACTION CALENDAR**

#### IRVINE RANCH WATER DISTRICT STRATEGIC MEASURES

Following comments by President Reinhart and clarification provided by staff, on <u>MOTION</u> by Reinhart, seconded by LaMar, and unanimously carried (Withers, LaMar, Swan, Matheis, and

Reinhart voting aye), THE IRVINE RANCH WATER DISTRICT STRATEGIC MEASURES WERE RECEIVED AND FILED.

#### ACTION CALENDAR (CONTINUED)

## ANNUAL MICROSOFT ENTERPRISE AGREEMENT SOFTWARE MAINTENANCE RENEWAL

General Manager Cook reported that the Microsoft Enterprise Agreement for Software Maintenance, which provides upgrades and maintenance for all of the Microsoft software used by the District, expires on November 30, 2018. This agreement provides discounted pricing for software maintenance and licenses to state and local government entities.

Director Swan reported that this item was reviewed by the Finance and Personnel Committee on November 6, 2018. On <u>MOTION</u> by Swan, seconded by LaMar, and unanimously carried (Withers, LaMar, Swan, Matheis, and Reinhart voting aye), THAT THE BOARD AUTHORIZED RENEWAL OF THE MICROSOFT ENTERPRISE AGREEMENT FOR A THREE-YEAR PERIOD EFFECTIVE DECEMBER 1, 2018 THROUGH NOVEMBER 30, 2021 IN THE AMOUNT OF \$510,000.

### BUSINESS INTELLIGENCE CLOUD DISASTER RECOVERY IMPLEMENTATION AND REPORTING CONSULTANT SERVICES VARIANCE APPROVAL

Director of Information Services Mossbarger reported that the District's Oracle Business Intelligence (BI) Cloud Disaster Recovery Implementation and Reporting project started in October 2017. Mr. Mossbarger said that BI is an Oracle module used for analyzing data and presenting information to enhance decision making. He said the project provides for a backup Cloud Disaster Recovery (DR) environment for BI in the event of a system failure. The scope of the project included several initial user operational reports to be developed. The District entered into a Professional Services Agreement with Dilytics to assist with the implementation. A variance is needed to the Professional Services Agreement for development of additional reports.

Following discussion, on <u>MOTION</u> by Swan, seconded by Matheis, and unanimously carried (Withers, LaMar, Swan, Matheis, and Reinhart voting aye), THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE A VARIANCE TO THE AGREEMENT WITH DILYTICS FOR VARIANCE NO. 4 IN THE AMOUNT OF \$426,000 FOR THE ORACLE BUSINESS INTELLIGENCE CLOUD DISASTER RECOVERY IMPLEMENTATION AND REPORTING AGREEMENT AND APPROVED A BUDGET INCREASE IN THE AMOUNT OF \$246,000 EACH TO PROJECTS 10345 AND 10347 FOR A TOTAL OF \$492,000.

# CONSULTANT SELECTION FOR A STUDY OF IRWD'S FUTURE POTENTIAL WATER EFFICIENCY

General Manager Cook reported that a study of IRWD's Future Potential Water Efficiency is proposed to assist IRWD with understanding the current extent and impacts of water efficiency programs, device saturation, identifying opportunities for future water savings, and evaluating the potential efficacy of future water efficiency programs within IRWD. Mr. Cook said that the results of the study will inform the strategic planning, design, and implementation of future water

#### ACTION CALENDAR (CONTINUED)

efficiency programs and support activities that will IRWD's ensure compliance with statewide water use efficiency targets. Mr. Cook further said that staff has highlighted benefits noted in the bullet points in the write-up.

Supervisor Hastings reported that on August 21, 2018, staff issued a Request for Proposal to 18 firms to conduct a study on Future Potential Water Efficiency. Three firms submitted proposals: A & N Technical Services, Envirosmart Solutions Group, and EKI. Staff completed a thorough evaluation of the proposals, conducted interviews and completed reference checks.

Ms. Hastings said staff recommends the selection of EKI to complete the work. Key strengths of the EKI's proposal include: 1) a strong project team that has in-depth understanding and expertise in designing, implementing, analyzing and modeling water efficiency programs to support water resources planning efforts; 2) extensive experience using principles of data science and analytics to conduct and present quantitative analyses of water efficiency program saturation and effectiveness; and 3) significant experience developing unique and proven methods to evaluate water use and savings potential to identify where best to target programs, identify future program opportunities and inform the strategic targeting and implementation of water efficiency programs.

Director Matheis reported that this item was reviewed by the Water Resources Policy and Communications Committee on November 5, 2018, and on MOTION by Matheis, seconded by LaMar, and unanimously carried (Withers, LaMar, Swan, Matheis, and Reinhart voting aye), THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH EKI ENVIRONMENT & WATER IN THE AMOUNT OF \$158,958 TO CONDUCT A STUDY ON IRWD'S FUTURE POTENTIAL WATER EFFICIENCY.

#### 2019-2020 FEDERAL ADVOCACY SERVICES

General Manager Cook reported on September 4, 2018, the District released a Request for Qualifications (RFQ) for federal advocacy services. Through the RFQ process, IRWD sought to retain the firm best suited to meet the District's federal advocacy needs. The District received nine responses to the RFQ and interviewed the top two qualified firms, with staff's recommendation of retaining the services Kadesh & Associates.

Government Relations Officer Compton stated based on the firm's qualifications and strategic ability to influence policy decisions at the federal level, they bring decades of experience and key contacts that will provide the District with a high level of knowledge, credibility, and access in Washington, D.C., which will assist the District with achieving its federal policy, funding and regulatory goals. The firm has a strong record of engaging with clients on proper messaging, tracking, and monitoring funding and legislative opportunities, coordinating appropriate advocacy meetings, and communicating with clients.

#### ACTION CALENDAR (CONTINUED)

Director Matheis reported that this item was reviewed by the Water Resources Policy and Communications Committee on November 5, 2018, and on MOTION by Matheis, seconded by LaMar, and unanimously carried (Withers, LaMar, Swan, Matheis, and Reinhart voting aye), THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH KADESH & ASSOCIATES FOR FEDERAL ADVOCACY AND CONSULTING SERVICES FOR THE PERIOD OF DECEMBER 1, 2018, THROUGH DECEMBER 31, 2020, AT A RATE OF \$10,000 PER MONTH PLUS REASONABLE REIMBURSABLE DIRECT EXPENSES FOR A TOTAL CONTRACT AMOUNT NOT TO EXCEED \$265,000.

### PROPOSED IRWD POLICY PRINCIPLES REGARDING METROPOLITAN WATER DISTRICT'S REGIONAL RECYCLED WATER PROGRAM

General Manager Cook introduced a new policy paper articulating IRWD's position on "the Carson Plant", a new groundwater augmentation program that is being developed by Metropolitan Water District of Southern California (MWD).

Executive Director of Water Policy Weghorst provided highlights outlining the District's support of advocacy for the Carson Plant. He stated while MWD is currently studying the feasibility of developing the Carson Plant, a full-scale project would provide up to 150 MGD of advanced purified water to the region and would become a major source of water for Orange County.

Director Matheis reported that this item was reviewed by the Water Resources Policy and Communications Committee on November 5, 2018, and the Committee recognizes that the policy paper fits into the District's projections moving forward. After discussion and comments regarding the policy principles with staff, the Board provided four modifications to be executed within the paper. On MOTION by Matheis, seconded by LaMar, and unanimously carried (Withers, LaMar, Swan, Matheis, and Reinhart voting aye), THE BOARD ADOPTED THE PROPOSED IRWD POLICY POSITION PAPER REGARDING METROPOLITAN WATER DISTRICT'S PROPOSED REGIONAL RECYCLED WATER PROGRAM AS AMENDED.

#### BOARD OF DIRECTORS' FEES

General Manager Cook reported that the Board of Directors' fees is an item that is brought to the Board every year and is reviewed by the Finance and Personnel Committee.

Director Swan reported that this item was reviewed by the Finance and Personnel Committee on November 6, 2018. The most recent increase was effective in January 2017; and the Board can elect to increase the fees by 5% each year.

On <u>MOTION</u> by Withers, seconded by Swan, and unanimously carried (Withers, LaMar, Swan, Matheis, and Reinhart voting aye), THE BOARD ACCEPTED THE FIVE (5%) PERCENT COMPENSATION INCREASE FOR CALENDAR YEAR 2019.

#### GENERAL MANAGER'S REPORT

General Manager Cook reported that the ACC-OC Thanksgiving Reception will be held at the District's Learning Center Thursday, November 15 and encouraged the Board to attend. Mr. Cook said that the next Board meeting will be cancelled due to insufficient items for approval. He concluded with a tribute to thank and honor all Veterans who work for the District and were present for tonight's meeting.

#### **DIRECTORS' COMMENTS**

Director Withers reported on the elections for OCSD, congratulated District staff member Mark Tettemer on his election for Lake Forest City Council. He further stated that he attended the NWRI Clarke Prize events.

Director Matheis congratulated fellow Board members on their reelection. She further reported on the Alliance for Community Trees' visit to the Shadetree Partnership nursery; the dedication of the Philip L. Anthony Water Quality Laboratory at OCWD; and a Shadetree Partnership monthly nursery event.

Director Swan reported on his attendance the NWRI Clarke Prize events; the monthly WACO meeting; the UCI Water event featuring Israel's experience with water management; and a Localizing California Waters workshop in Groveland.

Director LaMar congratulated Mr. Andrew Pollard on a great campaign. He reported on his participation in the Nation Water Resources Association's Conference in San Diego.

President Reinhart reported that he had approximately 45 residents participate in his resident tour of the District; he attended MWDOC and SOCWA Board meetings; a monthly WACO meeting; a MWDOC workshop with MWD Directors; and his monthly discussion of District activities with the General Manager.

#### **COMMUNITY UPDATES:** None.

#### **CLOSED SESSION**

At 7:08 p.m., President Reinhart recessed the Board meeting and announced that the following Closed Session would be held as follows:

CLOSED SESSION CONFERENCE WITH LABOR NEGOTIATORS – Pursuant to Government Code Section 54957.6

Designated Agency Representatives: Paul Cook and Jenny Roney

Employee Groups: IBEW Local #47 General Unit Employees and

IBEW Local #47 Non-Exempt Supervisor Unit Employees

Following the Closed Session, the meeting was reconvened at 8:00 p.m. with Directors Reinhart, LaMar, Swan, Matheis and Withers present. President Reinhart said that there was no action to report.

#### **ADJOURNMENT**

There being no further business, President Reinhart adjourned the meeting at 8:03 p.m.

APPROVED and SIGNED this 10th day of December, 2018.

President, IRVINE RANCH WATER	DISTRICT
,	

APPROVED AS TO FORM:

Claire Hervey Collins, Legal Counsel
– Lewis Brisbois

December 10, 2018 2

Prepared by: J. Davis/T. Fournier

Submitted by: R. Jacobson/C. Clary

Approved by: Paul A. Cook

#### CONSENT CALENDAR

#### **NOVEMBER 2018 TREASURY REPORTS**

#### **SUMMARY:**

The following is submitted for the Board's information and approval:

- A. The Investment Summary Report for November 2018. This Investment Summary Report is in conformity with the 2018 Investment Policy and provides sufficient liquidity to meet estimated expenditures during the next six months, as outlined in Exhibit "A".
- B. The Summary of Fixed and Variable Debt as of November 30, 2018, as outlined in Exhibit "B".
- C. The Summary of Payroll ACH payments in the total amount of \$2,088,664 as outlined in Exhibit "C".
- D. The November 30, 2018 Disbursement Summary of warrants 393005 through 393942, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$16,006,783 as outlined in Exhibit "D".
- E. The Disclosure Report of Reimbursements to Board Members and Staff for November 2018, detailing payments or reimbursements for individual charges of \$100.00 or more per transaction, as outlined in Exhibit "E".

#### FISCAL IMPACTS:

As of November 30, 2018, the book value of the investment portfolio was \$365,730,334, with a 1.69% rate of return and a market value of \$363,280,296. Based on the District's September 30, 2018 quarterly real estate investment rate of return of 9.05%, the weighted average return for the fixed income and real estate investments was 3.91%.

As of November 30, 2018, the outstanding principal amount of fixed and variable rate debt was \$672,220,000. The monthly weighted average all-in variable rate was 1.77%. 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 3.71%.

Consent Calendar: November 2018 Treasury Reports

December 10, 2018

Page 2

Payroll ACH payments totaled \$2,088,664, and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll, and water purchases for November totaled \$16,006,783.

#### **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.

#### **COMMITTEE STATUS:**

This item was not submitted to a Committee; however, the investment and interest rate swap reports are submitted to the Finance and Personnel Committee on a monthly basis.

#### RECOMMENDATION:

THAT THE BOARD RECEIVE AND FILE THE TREASURER'S INVESTMENT SUMMARY REPORT, THE SUMMARY OF FIXED AND VARIABLE RATE DEBT, AND DISCLOSURE REPORT OF REIMBURSEMENTS TO BOARD MEMBERS AND STAFF; APPROVE THE NOVEMBER 2018 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$2,088,664 AND APPROVE THE NOVEMBER 2018 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 393005 THROUGH 393942 WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$16,006,783.

#### **LIST OF EXHIBITS:**

Exhibit "A" – Investment Summary Report

Exhibit "B" – Summary of Fixed and Variable Debt

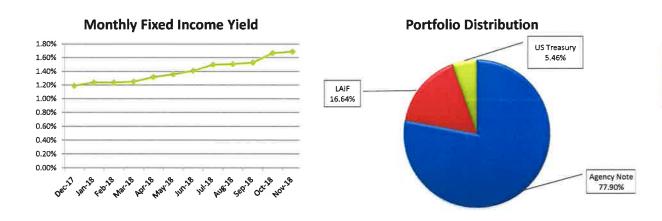
Exhibit "C" – Monthly Payroll ACH Summary

Exhibit "D" – Monthly Summary of District Disbursements

Exhibit "E" – Disclosure of Reimbursements to Board Members and Staff

#### Exhibit "A"

# Irvine Ranch Water District Investment Portfolio Summary November 2018



#### **Investment Summary**

Type	PAR	Book Value	Market Value
Agency Note	285,550,000	285,223,861	282,859,169
LAIF	61,000,000	61,000,000	60,867,777
US Treasury	20,000,000	19,506,473	19,553,350
Grand Total	366,550,000	365,730,334	363,280,296



#### **Top Issuers**

Issuer	PAR	% Portfolio
Fed Natl Mortgage Assoc	80,000,000	21.83%
Fed Home Loan Bank	70,550,000	19.24%
Fed Farm Credit Bank	70,000,000	19.10%
Fed Home Loan Mortgage Corp	65,000,000	17.73%
State of California Treasury - LAIF	61,000,000	16.64%
US Treasury	20,000,000	5.46%
Grand Total	366,550,000	100.00%

### IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT

#### 11/30/18

SETTLMT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE <sup>(1)</sup> 11/30/2018	UNREALIZED <sup>(2)</sup> GAIN/(LOSS)
08/23/17			12/01/18		LAIF	State of California Tsy.	\$61,000,000		2.000%	\$61,000,000,00	\$61,000,000.00	60,867,776,64	(132,223.36)
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	5,001,423,14	4,999,650.00	(1,773.14)
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	5,000,753.10	4,999,150.00	(1,603,10)
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	4,999,881.79	4,999,150,00	(731.79)
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	4,999,523.27	4,988,450,00	(11,073.27)
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	4,999,240.92	4,988,450.00	(10,790.92)
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	4,999,200.97	4,988,450.00	(10,750,97)
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	9,998,909.73	9,973,900.00	(25,009.73)
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	5,007,026.69	4,987,800,00	(19,226.69)
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	9,990,900,00	(9,100.00)
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	4,999,992.32	4,976,250.00	(23,742.32)
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	10,005,556,28	9,950,500,00	(55,056.28)
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	4,999,797.41	4,970,600.00	(29,197,41)
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	4,999,563.46	4,964,000.00	(35,563.46)
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	4,987,807.88	4,979,800.00	(8,007.88)
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	5,016,774.61	4,974,750,00	(42,024.61)
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	5,015,108,63	4,974,750.00	(40,358,63)
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	4,992,488,34	4,945,400.00	(47,088,34)
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	4,999,036.77	4,951,450.00	(47,586.77)
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	4,999,628.78	4,944,350.00	(55,278.78)
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	4,999,752,52	4,943,450.00	(56,302.52)
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	4,999,339.67	4,940,050.00	(59,289.67)
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	5,003,293,67	4,987,150.00	(16,143.67)
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	5,000,411,33	4,940,900.00	(59,511.33)
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	9,996,932.12	9,868,100.00	(128,832.12)
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	9,992,367.46	9,864,400,00	(127,967.46)
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	5,000,234.25	4,930,850,00	(69,384.25)
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	4,996,951.89	4,934,750,00	(62,201,89)
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	4,995,068.68	4,934,050.00	(61,018.68)
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	5,000,497.03	4,933,000.00	(67,497.03)
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	4,993,815,23	4,931,850.00	(61,965,23)
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	4,970,333.11	4,930,700.00	(39,633.11)
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	4,993,190.00	4,921,650,00	(71,540.00)
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	5,166,098.28	5,082,450,00	(83,648,28)
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	4,982,779.68	4,903,800.00	(78,979.68)
06/29/18	NA	NA	04/23/20	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	2.500%	2.544%	4,996,000.00	4,996,962.73	4,979,850.00	(17,112.73)
06/29/18	NA	NA	05/15/20	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	2,550%	2.566%	4,998,450.00	4,998,800.22	4,981,450.00	(17,350,22)
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	4,980,565.45	4,929,850.00	(50,715.45)
06/11/18	NA	NA	06/11/20	Aaa/NR/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	2.500%	2.570%	4,997,100.00	4,997,786.32	4,979,950.00	(17,836.32)
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	4,992,796.38	4,901,750.00	(91,046,38)

### IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT

11/30/18

	Call	Initial	Maturity		INVESTMENT	INSTITUTION /	PAR	COUPON		ORIGINAL	CARRY VALUE	MARKET VALUE(1)	UNREALIZED(2)
SETTLMT	Schedule	Call	Date	Rating	TYPE	ISSUER	Amount	DISCOUNT	YIELD	COST		11/30/2018	GAIN/(LOSS)
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	4,916,929,17	4,894,550.00	(22,379,17)
06/08/18	NA	NA	07/30/20	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.500%	2.559%	4,890,100.00	4,914,802.94	4,894,550,00	(20,252.94)
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	4,942,489.63	4,883,050,00	(59,439,63)
09/14/18	NA	NA	08/24/20	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	2.680%	2.789%	4,989,700.00	4,990,831.55	4,986,400,00	(4,431.55)
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	4,911,175.06	4,901,650,00	(9,525.06)
09/14/18	NA	NA	09/04/20	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	2.690%	2,794%	4,990,050,00	4,991,126,42	4,984,300,00	(6,826,42)
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	4,916,150.00	(83,850,00)
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	5,431,119,00	(118,881,00)
09/28/18	NA	NA	10/31/20	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	1.750%	2.847%	4,889,453,13	4,880,192.66	4,900,200,00	20,007,34
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	4,968,104.09	4,895,800.00	(72,304,09)
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	4,986,464.72	4,896,950,00	(89,514,72)
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	4,989,073.58	4,903,300.00	(85,773,58)
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	4,983,173.91	4,903,650,00	(79,523.91)
11/09/18	NA	NA	12/31/20	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	2.375%	2.958%	4,939,843.75	4,941,533.96	4,955,450,00	13,916,04
11/27/18	NA	NA	01/25/21	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	3.020%	3.021%	5,000,000.00	5,000,000.00	4,999,950.00	(50.00)
10/12/18	NA	NA	01/31/21	Aaa/NR/AAA	Treasury - Note	US Treasury	10,000,000	1.375%	2.890%	9,664,843.76	9,684,746.15	9,697,700.00	12,953.85
TOTAL INVE	STMENTS						\$366,550,000			\$365,798,250.62	\$365,730,333.94	\$363,280,295,64	
											- 2		
					Petty Cash					3,400,00			
					Ck Balance	Bank of America				1,849,167,99			
										\$367,650,818,61			

(1) LAIF market value is as of the most recent quarter-end as reported by LAIF.	(	Outstanding Variable Rate Debt				\$273,300,000
Security market values are determined using Bank of New York ("Trading Prices"), Bloomberg	1	Net Outstanding Variable Rate Del	bt (Less \$130 1	million fixed-payer	swaps)	\$143,300,000
and/or broker dealer pricing.	I	investment Balance:				\$367,650,819
(2) Gain (loss) calculated against carry value using the trading value provided by Bank of New York/or Brokers	I	Investment to Variable Rate Debt I	Ratio:			257%
(3) Real estate rate of return is based on most recent quarter end return	I	Portfolio - Average Number of Da	ys To Maturity			320
				Investment	Real Estate <sup>(3)</sup>	Weighted Avg.
				Portfolio	Portfolio	Return
			November	1.69%	9.05%	3.91%
This Investment Summary Report is in conformity with the 2018 Investment Policy		- 1	October	1.67%	9.05%	3.90%
and provides sufficient liquidity to meet the next six months estimated expenditures.		- 1	Change	0.02%		0.01%
*S - Step up						

## IRVINE RANCH WATER DISTRICT SUMMARY OF MATURITIES

#### 11/30/18

DATE	TOTAL	%	LAIF	Agency Notes	Agency Discount Notes	Collateral Deposit	US Treasury
11/18	\$61,000,000	16.64%	\$61,000,000				
12/18	15,000,000	4.09%	<del>Q</del> 01,000,000	15,000,000			
01/19	15,000,000	4.09%		15,000,000			1
02/19	10,000,000	2.73%		10,000,000		9	
03/19	20,000,000	5.46%		20,000,000			
04/19	15,000,000	4.09%		15,000,000			
05/19	10,000,000	2.73%		10,000,000			
06/19	10,000,000	2.73%		10,000,000			
07/19	10,000,000	2.73%		10,000,000			
08/19	10,000,000	2.73%		10,000,000			
09/19	15,000,000	4.09%		15,000,000			
10/19	20,000,000	5.46%		20,000,000			
SUB-TOTAL	\$211,000,000	57.56%	\$61,000,000	\$150,000,000			
13 Months - 3 YEARS							
11/01/19 - 2/28/2020	35,000,000	9.55%		35,000,000			
3/01/2020 - 5/31/2020	30,000,000	8.18%		30,000,000			
6/01/2020 - 8/31/2020	25,000,000	6.82%		25,000,000			
9/01/2020 -11/30/2020	40,550,000	11.06%		35,550,000			5,000,000
12/01/2020 -2/28/2021	25,000,000	6.82%		10,000,000			15,000,000
	-						
	-						
TOTALS	\$366,550,000	100.00%	\$61,000,000	\$285,550,000		l.	\$20,000,000

# Irvine Ranch Water District Summary of Real Estate - Income Producing Investments 9/30/2018

							ANNUALIZED
							RATE OF RETURN
	<b>ACQUISITION</b>	<b>PROPERTY</b>	<b>OWNERSHIP</b>	ORIGINAL	MA	RKET VALUE	QUARTER ENDED
	DATE	TYPE	INTEREST	 COST		9/30/2018	9/30/2018
Sycamore Canyon	Dec-92	Apartments	Fee Simple	\$ 43,550,810	\$	145,000,000	19.02%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	\$	30,670,120	8.55%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	\$ 5,739,845	\$	11,500,000	10.85%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	\$ 8,630,577	\$	9,000,000	5.82%
Sand Canyon Professional Center	Jul-12	Medical Office	Fee Simple	\$ 8,648,594	\$	11,000,000	8.88%
Total - Income Properties				\$ 72,569,826	\$	207,170,120	14.73%
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 I	nvestments			\$ 154,169,826	\$	288,770,120	9.05%

# IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT INVESTMENT ACTIVITY

Nov-18

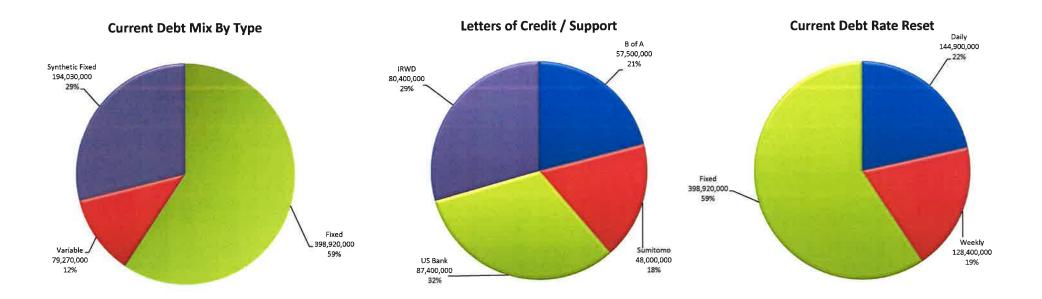
#### MATURITIES/SALES/CALLS

#### **PURCHASES**

DATE	SECURITY TYPE	PAR	YIELD	Settlement Date	Maturity Date	SECURITY TYPE	PAR	YIELD TO MATURITY
11/27/2018	FNMA - Note	\$10,000,000	0.96%	11/9/2018	12/31/2020	US - Treasury Note	\$5,000,000	2.96%
				11/27/2018	1/25/2021	FHLMC - Note	\$5,000,000	3.02%
								17

### Exhibit "B"

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



		Out	standing Par by	Series				
Series	Issue Date	Maturity Date	Remaining Principal	Percent	Letter of Credit/Support	Rmkt Agent	Mode	Reset
Series 1993	05/19/93	04/01/33	\$29,900,000	4.45%	US Bank	BAML	Variable	Daily
Series 2008-A Refunding	04/24/08	07/01/35	\$48,000,000	7.14%	Sumitomo	BAML	Variable	Weekly
Series 2011-A-1 Refunding	04/15/11	10/01/37	\$48,240,000	7.18%	IRWD	Goldman	Variable	Weekly
Series 2011-A-2 Refunding	04/15/11	10/01/37	\$32,160,000	4.78%	IRWD	Morgan	Variable	Weekly
Series 2009 - A	06/04/09	10/01/41	\$57,500,000	8.55%	US Bank	US Bank	Variable	Daily
Series 2009 - B	06/04/09	10/01/41	\$57,500,000	8.55%	B of A	Goldman	Variable	Daily
2010 Refunding COPS	02/23/10	03/01/20	\$3,775,000	0.56%	N/A	N/A	Fixed	Fixed
2016 COPS	09/01/16	03/01/46	\$116,745,000	17.37%	N/A	N/A	Fixed	Fixed
2010 Build America Taxable Bond	12/16/10	05/01/40	\$175,000,000	26.03%	N/A	N/A	Fixed	Fixed
Series 2016	10/12/16	02/01/46	\$103,400,000	15.38%	N/A	N/A	Fixed	Fixed
Total			\$672,220,000	100.00%				

#### IRVINE RANCH WATER DISTRICT

#### SUMMARY OF FIXED & VARIABLE RATE DEBT

November-18

Weekly																				
	GE	ENERAL BO	OND INFORMAT	TION					ı	ETTER OF CRE	DIT INFOR	RMATION					TF	RUSTEE INFOR	RMATION	
VARIABLE RATE ISSUES	Issue Date	Maturity Date	Principal Payment Date	Payment Date	Original Par Amount	Remaining Principal	Letter of Credit	Reimbursment Agreement Date	L/C Exp. Date	MOODYS	S&P	FITCH	LOC Stated Amount	LOC Fee	Annual LOC Cost	Rmkt Agent	Reset	Rmkt Fees	Annual Cost	Trustee
SERIES 1993	05/19/93	04/01/33	APR 1 (2014)	5th Bus. Day	\$38,300,000	\$29,900,000	US BANK	05/07/15	12/15/21	Aa3/VMIG1	AA-/A-1+	N/R	\$30,303,036	0.3300%	\$100,000	BAML	DAILY	0,10%	\$29,900	BANK OF NY
SERIES 2008-A Refunding	04/24/08	07/01/35	JUL 1	5th Bus. Day	\$60,215,000	\$48,000,000	SUMITOMO	04/01/11	07/21/21	A1/P-1	A/A-1	A/F1	\$48,710,137	0.3150%	\$153,437	BAML	WED	0.07%	\$33,600	BANK OF NY
SERIES 2011-A-1 Refunding	04/15/11	10/01/37	Oct 1	1st Bus Day	\$60,545,000	\$48,240,000	N/A	N/A	N/A	Aa1/VMIG1	A-1+	AAA/F1+	N/A	N/A	N/A	Goldman	WED	0.13%	\$60,300	BANK OF NY
SERIES 2011-A-2 Refunding	04/15/11	10/01/37	Od 1	1st Bus, Day	\$40,370,000	\$32,160,000	N/A	N/A	N/A	Aa1/VMIG1	A-1+	AAA/F1+	N/A	N/A	N/A	Morgan S.	WED	0.13%	\$40,200	BANK OF NY
SERIES 2009 - A	06/04/09	10/01/41	Oct 1	1st Bus, Day	\$75,000,000	\$57,500,000	US BANK	04/01/11	12/15/21	Aa2/VMIG 1	AA-/A-1+	AA/F1+	\$58,142,740	0.3300%	\$191,871	US Bank	DAILY	0,07%	\$40,250	US BANK
SERIES 2009 - B	06/04/09	10/01/41	Oct 1	1st Bus Day	\$75,000,000	\$57,500,000	B of A	04/01/11	07/15/19	A1/VMIG 1	A/A-1	A1/F1+	\$58,142,740	0.4000%	\$232,571	Goldman	DAILY	0,10%	\$57,500	US BANK
					\$349,430,000	\$273,300,000	SUB-TOTAL	VARIABLE RATE	DEBT				\$195,298,652		\$677,879			0.10%	\$261,750	<u>4</u> ,
														(Wt_Avg)				(Wt. Avg)		
FIXED RATE ISSUES		,						1						r			_		_	E
2010 REFUNDING COPS	02/23/10	03/01/20	Mar -1	MAR/SEPT	\$85,145,000	\$3,775,000	N/A	N/A	N/A	Aa1	AAA	AAA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BANK OF NY
2010 GO Build America Taxable Bonds	12/16/10	05/01/40	MAY (2025)	MAY/NOV	\$175,000,000	\$175,000,000	N/A	N/A	N/A	Aa1	AAA	NR	N/A	.N/A	N/A	N/A	N/A	N/A	N/A	US BANK
2016 COPS	09/01/16	03/01/46	Mar = 1	MAR/SEPT	\$116,745,000	\$116,745,000	N/A	N/A	N/A	NR	AAA	AAA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	US BANK
SERIES 2016	10/12/16	02/01/46	Feb - 1	FEB/AUG	\$103,400,000	\$103,400,000	N/A	N/A	N/A	NR	AAA	AAA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BANK OF NY

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

\$829,720,000 \$672,220,000 TOTAL- FIXED & VARIABLE RATE DEBT

Remarket	ing Agents			GO VS COP's	
Goldman Morgan Stanley BAML US Bank	105,740,000 32,160,000 77,900,000 57,500,000 273,300,000	39% 12% 29% 21%	GO: COPS: Total	551,700,000 120,520,000 <b>672,220,000</b>	82% 18%
LOC	Banks		Breakdown Betwe	en Variable & Fixed R	ate Mode
			Daily Issues	144,900,000	22%
SUMITOMO	48,000,000		Weekly Issues	48,000,000	7%
BANK OF AMERICA	57,500,000		ITN issues	80,400,000	12%
US BANK	87,400,000 <b>192,900,000</b>		Sub-Total	273,300,000	
			Fixed Rate Issues	\$398,920,000	59%
			Sub-Total - Fixed	398,920,000	
			Odb-Total - 1 ixed	555,525,555	
			TOTAL DEBT	672,220,000	100%

#### IRVINE RANCH WATER DISTRICT SUMMARY OF DEBT RATES Nov-18

Rmkt Agent	GOLDMAN	GOLDMAN	MORGAN STANLEY	MERRIL	L 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	57,500,000	48,240,000	32,160,000	29,900,000	48,000,000	57,500,000
Bank	BOFA	(SIFMA -1)	(SIFMA -1)	US BANK	Sumitomo	US BANK
Reset		Wednesday	Wednesday		Wednesday	
11/1/2018	1.23%	1,60%	1,60%	1.22%	1,33%	1,23%
11/2/2018	1.22%	1.60%	1.60%	1.17%	1,33%	1.23%
11/3/2018	1,22%	1.60%	1,60%	1:17%	1.33%	1,23%
11/4/2018	1.22%	1.60%	1.60%	1.17%	1.33%	1.23%
11/5/2018	1.23%	1.60%	1.60%	1.17%	1.33%	1,23%
11/6/2018	1.23%	1.60%	1,60%	1.23%	1,33%	1,22%
11/7/2018	1.26%	1.60%	1.60%	1.26%	1.33%	1.24%
11/8/2018	1.27%	1.61%	1.61%	1.26%	1.38%	1.28%
11/9/2018	1.28%	1,61%	1,61%	1.28%	1.38%	1,30%
11/10/2018	1.28%	1,61%	1,61%	1.28%	1.38%	1.30%
11/11/2018	1,28%	1.61%	1,61%	1.28%	1.38%	1,30%
11/12/2018	1,28%	1.61%	1.61%	1.28%	1.38%	1_30%
11/13/2018	1,31%	1.61%	1,61%	1.31%	1,38%	1.30%
11/14/2018	1,32%	1.61%	1.61%	1.35%	1.38%	1.32%
11/15/2018	1.33%	1.65%	1.65%	1.35%	1.44%	1.34%
11/16/2018	1.35%	1,65%	1,65%	1.37%	1.44%	1.35%
11/17/2018	1.35%	1,65%	1,65%	1.37%	1,44%	1.35%
11/18/2018	1.35%	1,65%	1.65%	1.37%	1,44%	1.35%
11/19/2018	1.35%	1,65%	1,65%	1.37%	1.44%	1.36%
11/20/2018	1.38%	1.65%	1.65%	1.38%	1.44%	1.37%
11/21/2018	1.38%	1.65%	1.65%	1.39%	1,44%	1.38%
11/22/2018	1.38%	1.68%	1.68%	1.39%	1.46%	1.38%
11/23/2018	1.40%	1.68%	1.68%	1.38%	1,46%	1.38%
11/24/2018	1.40%	1.68%	1.68%	1.38%	1,46%	1.38%
11/25/2018	1.40%	1.68%	1.68%	1.38%	1,46%	1,38%
11/26/2018	1.38%	1.68%	1.68%	1.39%	1.46%	1.38%
11/27/2018	1.38%	1.68%	1 68%	1.37%	1.46%	1,38%
11/28/2018	1.40%	1.68%	1,68%	1.38%	1.46%	1.40%
11/29/2018	1.42%	1.68%	1.68%	1.39%	1.45%	1.40%
11/30/2018	1.44%	1.68%	1.68%	1.39%	1.45%	1.40%
Avg Interest Rates	1.32%	1.64%	1.64%	1.32%	1.41%	1.32%
Rmkt Fee	0.10%	0.13%	0.13%	0.10%	0.07%	0.07%
LOC Fee	0.40%			0.33%	0.32%	0.33%
All-In Rate	1.82%	1.77%	1.77%	1.75%	1.79%	1.72%
Par Amount	10	5,740,000	32,160,000	77,90	00,000	57,500,000

Interest Rate Mode Debt 1.77% 1 Daily 53.02% 144,900,000 1.77% 1 Weekly 46.98% 128,400,000 1.77% 1 100.00% \$ 273,300,000 1.77% 1 Fixed COPS 2010 0.95% 3,775,000 3.82% COPS 2016 29.27% 116,745,000 2.90%	Average 1,32%
Weekly         46.98%         128.400,000         1.77%         1           100.00%         \$ 273,300,000         1.77%         1           Fixed           COPS 2010         0.95%         3,775,000         3.82%           COPS 2016         29.27%         116,745,000         2.90%	
100.00% \$ 273,300,000 1.77% 1  Fixed  COPS 2010 0.95% 3,775,000 3.82%  COPS 2016 29.27% 116,745,000 2.90%	
Fixed       COPS 2010     0.95%     3,775,000     3.82%       COPS 2016     29.27%     116,745,000     2.90%	1,55%
COPS 2016 29.27% 116,745,000 2.90%	1.43%
COPS 2016 29.27% 116,745,000 2.90%	
BARS 2010 43.87% 175.000.000 4.45% (1)	
DADO 2010 40.07 /0 170,000,000 41.40 /0	
SERIES 2016 25.92% 103,400,000 3.32%	
100.00% \$ 398,920,000 3.70%	

<sup>(1)</sup> Rate adjusted up from 4 35% as a result of sequestration reducing BAB's subsidy by 6.2%

### Exhibit "C"

### **MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS**

November 2018

	AMOUNT	VENDOR	PURPOSE
11/9/2018 11/23/2018	1,126,326.04 962,338.33 \$2,088,664.37	BANK OF AMERICA BANK OF AMERICA	ACH Payments for Payroll ACH Payments for Payroll

#### Exhibit "D"

IRWD Ledger Upgrade

Report Date: 03-DEC-2018 15:19 Void Payment Register Page: 1

Include Zero Amount Payments: Yes Display Payee Address: No Period From: 01-NOV-18

Page: To: 30-NOV-18 Date: Void Date

Bank: Bank of America N.A.

Branch: Los Angeles

Account: Checking AP and PR

Bank Account Currency: USD

Payment Currency: USD ( US Dollar )

Payment Number		Payee Name	Site	Address	Payment Amount	Void Date
	cument: IR	WD CHECK				
389489 389512		ARAKI, YASUHIRO CUESTA CONSTRUCTION COMPANY	PAY			19-NOV-18 29-NOV-18
389531 389537	05-JUL-18	HUANG, QIYING KILBURN, M.	PAY PAY		33.56	19-NOV-18 19-NOV-18
389638 389677	12-JUL-18	CHEN, SHULING GRACE, MELVIN	PAY PAY		22.88	19-NOV-18 19-NOV-18
389703 389704	12-JUL-18	MACDUFF, CHRIS MAILLOUX, KOLLEEN	PAY PAY		16.00	19-NOV-18 19-NOV-18
389709 389899	12-JUL-18 19-JUL-18	MOMENTUM PROPERTY MANAGMENT JI, WEI	PAY PAY		60.00	19-NOV-18 19-NOV-18
390111 390121	26-JUL-18	LIU, XIAOYANG MILLER-WHITE, SHERRY	PAY PAY		370.64	19-NOV-18 29-NOV-18
392489 393202 393940	08-NOV-18	WATERSMART SOFTWARE, INC Hartoog, Jeremy SINFIELD, LILY	SAN FRANCISCO HOME PAY			28-NOV-18 13-NOV-18 29-NOV-18
393940	20-NOV-16	SINFIELD, HILI	FAI		13.33	29-NOV-10
				Payment Document Subtotal	15,740.08	
				Bank Account Subtotal	15,740.08	
Report C	ount: 15			Report Total	15,740.08	
					Voids	

\*\*\* End of Report \*\*\*

RWD Ledger Upgrade Payment Register For 01-NOV-18 To 30-NOV-18 Report Date: 03-DEC-2018 15:24

BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR

Bank Account Currency: USD ( US Dollar )

Payment Type: All Display Supplier Address: No

	3	21			-				
		Sequence Num		Supplier Name		Payment Amount		Cleared Amount	Status
		ent : IRWD CHE							*****
	-								
39	3005			IRWD-PETTY CASH CUSTODIAN	IRVINE	1,200.71	01-NOV-18	1,200.71	Reconciled
39	3006		01-NOV-18	Cortez, Malcolm A (Malcolm)		227.32	16-NOV-18	227.32	Reconciled
39	3007		01-NOV-18	Hankla, Jeremy		50.00	05-NOV-18	50.00	Reconciled
39	3008			Hufana, Eugenio D		89.93	01-NOV-18	89,93	Reconciled
	3009			McElroy, Dorien		197.00	05-NOV-18	197.00	Reconciled
39	3010		01-NOV-18	Nash, Joel		93.20	06-NOV-18	93.20	Reconciled
39	3011		01-NOV-18	Oldewage, Lars D (Lars)		172.22	05-NOV-18	172.22	Reconciled
39	3012		01-NOV-18	Orozco, Linda		63.23	06-NOV-18	63.23	Reconciled
39	3013		01-NOV-18	Saini, Mohit		238.14	05-NOV-18	238.14	Reconciled
39	3014			Smithson, Christopher F (Christopher)		103.50	07-NOV-18	103.50	Reconciled
39	3015		01-NOV-18			88.49			Negotiable
39	3016		01-NOV-18	ADLER, MICHAEL & BETH		4,457.97	05-NOV-18	4,457.97	Reconciled
39	3017		01-NOV-18	ADT SECURITY SERVICES INC		412.47	08-NOV-18	412.47	Reconciled
39	3018		01-NOV-18	AIRGAS, INC.		966.61	05-NOV-18	966.61	Reconciled
39	3019		01-NOV-18	ALEXANDER'S CONTRACT SERVICES, INC.		119,397.70	07-NOV-18	119,397.70	Reconciled
39	3020		01-NOV-18	ALLIANCE RESOURCE CONSULTING LLC		12,500.00	07-NOV-18	12,500.00	Reconciled
39	3021		01-NOV-18	ALSTON & BIRD LLP		23,986.83	08-NOV-18	23,986.83	Reconciled
	3022			ANTHONY N. LARSEN		450.00	06-NOV-18	450.00	Reconciled
	3023		01-NOV-18			8,680.00	05-NOV-18	8,680.00	Reconciled
39	3024		01-NOV-18	ARMORCAST PRODUCTS COMPANY		7,695.93	05-NOV-18	7,695.93	Reconciled
39	3025		01-NOV-18			4,280.93	07-NOV-18	4,280.93	Reconciled
	3026		01-NOV-18			54.06	07-NOV-18	54.06	Reconciled
	3027		01-NOV-18			11.61	07-NOV-18	11.61	Reconciled
	3028		01-NOV-18	AUSTIN HARDWOODS, INC		209.37	13-NOV-18	209.37	Reconciled
39	3029		01-NOV-18	AUTOZONE PARTS, INC.		128.81	08-NOV-18	128.81	Reconciled
39	3030		01-NOV-18	BALES, TWILA		149.49			Negotiable
	3031		01-NOV-18	BARTOLOME, JADE		29.27	05-NOV-18	29.27	Reconciled
39	3032		01-NOV-18	BAY, TRENISE		35.00			Negotiable
	3033		01-NOV-18	BERNABE, ESTEPHANY		64.18	16-NOV-18	64.18	Reconciled
39	3034		01-NOV-18	BILL'S SWEEPING SERVICE INC		1,050.00	07-NOV-18	1,050.00	Reconciled
IRW	D Ledger Upg	rade		Payment	Register For	01-NOV-18 To	30-NOV-18	Report Date: 03	-DEC-2018 15:24
			Bran	ch : Los Angeles		Account: Check	ing AP and P	R Page:	2
				Dollar )	Displ	Payment Curr ay Supplier Add		US Dollar )	
Pav	ment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
		*****							
	_	ent : IRWD CH		D. D. G. C.		202 206 00	12 NOV 10	202 226 22	Posonsiled
	3035			BLACK & VEATCH CORPORATION		302,326.28	13-NOV-18	302,326.28	Reconciled
39	3036		01-NOV-18	BRIGHTVIEW		1,515.74			Negotiable

Payment Number	Sequence Num Date	Supplier Name	Site	Payment Amoun	Cleared Date	Cleared Amount	Status
Payment Docum	ent : IRWD CHECK						
393035	01-NOV-18	BLACK & VEATCH CORPORATION		302,326.28	13-NOV-18	302,326.20	Reconciled
393036	01-NOV-18	BRIGHTVIEW LANDSCAPE DEVELOPMENT		1,515.74			Negotiable
393037	01-NOV-18	BRITHINEE ELECTRIC		38,722.82	07-NOV-10	38,722.82	Reconciled
393038	01-NOV-18	BTF PRECISE MICROBIOLOGY INC.		571.81	06-NOV-18	571.81	Reconciled
393039	01-NOV-18	C L OLSON & ASSOCIATES, INC.		3,600.01	07-NOV-18	3,600.01	Reconciled
393040	01-NOV-18	C WELLS PIPELINE MATERIALS INC		6,087.90	09-NOV-18	6,087.90	Reconciled
393041	01-NOV-18	CALIFORNIA BARRICADE RENTAL, INC.		9,505.00	07-NOV-18	9,505.00	Reconciled
393042	01-NOV-18	CANON SOLUTIONS AMERICA, INC.		498.63	06-NOV-18	498.63	Reconciled
393043	01-NOV-18	CAPTIVE AUDIENCE		79.00	06-NOV-18	79.00	Reconciled
393044	01-NOV-18	CDW GOVERNMENT LLC		796.00	07-NOV-18	796.00	Reconciled
393045	01-NOV-18	CHAIREL CUSTOM HAY, INC.		9,223.00	06-NOV-18	9,223.00	Reconciled
393046	01-NOV-18	CHARLES P CROWLEY COMPANY INC		6,184.59	09-NOV-18	6,184.59	Reconciled
393047	01-NOV-18	CHEM TECH INTERNATIONAL INC		35,448.89	07-NOV-18	35,448.89	Reconciled

393048	01-NOV-18	CHUNG, LING	365.45	06-NOV-18	365.45	Reconciled
393049	01-NOV-18	CITY OF IRVINE	3,173.20	05-NOV-18	3,173.20	Reconciled
393050	01-NOV-18	CITY OF ORANGE	171.23	05-NOV-18	171.23	Reconciled
393051	01-NOV-18	CONSTELLATION	30,123.88	08-NOV-18	30,123.88	Reconciled
		NEWENERGY, INC.				
393052	01-NOV-18	CORELOGIC INC	241.24	07-NOV-18	241,24	Reconciled
393053	01-NOV-18	CORREA, JENNIFER	47.49	06-NOV-18	47.49	Reconciled
393054	01-NOV-18	COX	391.31	06-NOV-18	391.31	Reconciled
		COMMUNICATIONS,				
		INC.				
393055	01-NOV-18	CRASNEAN, BENJAMIN	33.25			Negotiable
393056	01-NOV-18	CS-AMSCO	5,400.01	14-NOV-18	5,400.01	Reconciled
393057	01-NOV-18	CULLIGAN OF SANTA	7,000.00	05-NOV-18	7,000.00	Reconciled
		ANA				
393058	01-NOV-18	D & G SIGNS	4,367.56	07-NOV-18	4,367.56	Reconciled
393059	01-NOV-18	DAI, ZEYI	15.30	21-NOV-18	15.30	Reconciled
393060	01-NOV-18	DARTMOUTH COURT	738.61	07-NOV-18	738.61	Reconciled
		APTS				
393061	01-NOV-18	DAVIS FARR LLP	30,000.00	06-NOV-18	30,000.00	Reconciled
IRWD Ledger Upgrade		Payment Register	For 01-NOV-18 To	30-NOV-18	Report Date: 03-	-DEC-2018 15:24
BANK: Bank of America N.A.	Branc	h : Los Angeles	Account: Check	ing AP and PR	Page:	3
Bank Account Currency:	USD ( US D	ollar )	Payment Curr	ency: USD (US	Dollar )	
Payment Type: All		D:	isplay Supplier Add:	ress: No		

Payment Number	Sequence Num Da	ate	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Statu
	ment : IRWD CHEC							
393062	0:	1-NOV-18	DE VAUL PAINT COMPANY		834,42	07-NOV-18	834.42	Reconciled
393063	0:	1-NOV-18	DEE JASPAR & ASSOCIATES, INC.		147.00	15-NOV-18	147.00	Reconciled
393064	0:	1-NOV-18	DELL MARKETING LP		5,040.04	05-NOV-18	5,040.04	Reconciled
393065	0:	1-NOV-18	DIGITAL MAP PRODUCTS, INC.		4,284.00	09-NOV-18	4,284.00	Reconciled
393066	0	1-NOV-18	DIRECTV INC		125.53	08-NOV-18	125.53	Reconciled
393067	0:	1-NOV-18	DISCOUNT COURIER SERVICE INC.		72.24	06-NOV-18	72.24	Reconciled
393068	0:	1-NOV-18	DISCOVERY SCIENCE CENTER OF ORANGE COUNTY		4,170.96	07-NOV-18	4,170.96	Reconciled
393069	0	1-NOV-18	EDWARD P BAKER III		333,00	27-NOV-18	333.00	Reconciled
393070	0:	1-NOV-18	ENTERPRISE SECURITY, INC		3,088.12	05-NOV-18	3,088.12	Reconciled
393071	0	1-NOV-18	EVANTEC CORPORATION		1,386.43	06-NOV-18	1,386.43	Reconciled
393072	0	1-NOV-18	EXECUTIVE LIGHTING & ELECTRIC		753.77	06-NOV-18	753.77	Reconciled
393073	0	1-NOV-18	FARRELL & ASSOCIATES		241.18	05-NOV-18	241.18	Reconciled
393074	0	1-NOV-18	FEDEX		294.63	07-NOV-18	294.63	Reconciled
393075	0:	1-NOV-18	FERGUSON ENTERPRISES, INC.		4,568.60	05-NOV-18	4,568.60	Reconciled
393076	0:	1-NOV-18	FISHER SCIENTIFIC COMPANY LLC		2,883.97	05-NOV-18	2,883.97	Reconciled
393077	0:	1-NOV-18	FLEET SOLUTIONS LLC		872.96	05-NOV-18	872,96	Reconciled
393078	0.	1-NOV-18	FRONTIER CALIFORNIA INC.		273.35	09-NOV-18	273.35	Reconciled
393079	0	1-NOV-18	FUSCOE ENGINEERING, INC.		2,989.05	05-NOV-18	2,989.05	Reconciled
393080	0	1-NOV-18	GLENN LUKOS ASSOCIATES, INC		809.82	06-NOV-18	809.82	Reconciled
393081			GONG, XITONG		426.76			Negotiable
393082		1-NOV-18			2,908.09	06-NOV-18		Reconciled
393083	0	1-NOV-18	GRAYBAR ELECTRIC COMPANY		276.05	05-NOV-18	276.05	Reconciled
393084	0	1-NOV-18	GRIGORIOU, DIMITRIS		29.40	05-NOV-18	29.40	Reconciled
393085	0	1-NOV-18	HAAKER EQUIPMENT COMPANY		782.09	06-NOV-18	782.09	Reconciled
393086	0	1-NOV-18	HABITAT RESTORATION SCIENCES, INC.		1,183.00	08-NOV-18	1,183.00	Reconciled
RWD Ledger Up	grade	Bran		Register For	01-NOV-18 To	30-NOV-18	Report Date: 03	-DEC-2010 15

IRWD Ledger Upgrade Payment Register For 01-NOV-18 To 30-NOV-18 Report Date: 03-DEC-2010 15:2

BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Page: 4

Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )

Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
393087	01-NOV-18	HACH COMPANY		4,211.95	06-NOV-18	4,211.95	Reconciled
393088	01-NOV-18	HARDY & HARPER,		17,810.00	06-NOV-18	17,810.00	Reconciled
		INC.					B
393089	01-NOV-18	HARRIS &		1,490.00	05-NOV-18	1,490.00	Reconciled
	04	ASSOCIATES, INC.		157,136.93	08-NOV-18	157,136.93	Reconciled
393090	01-NOV-18	HDR ENGINEERING		157,136.93	09-1004-19	157,136.93	Reconciled
		INC		16 707 70	07 11011 10	16 303 30	D 1 d
393091	01-NOV-18	HELPMATES STAFFING		16,707.79	07-NOV-18	16,707.79	Reconciled

202000	01 NOV 10	SERVICES HILL BROTHERS	8,134.76	08-NOV-18	8,134.76	Reconciled
393092	01-NOV-18	CHEMICAL COMPANY	0,134.70	08-1104-10	0,134.70	Keconciled
393093	01-NOV-19	HOME DEPOT USA INC	180.23	07-NOV-18	180.23	Reconciled
393094	01-NOV-18		102.25	07-NOV-18	102.25	Reconciled
393095	01-NOV-18		1,234.53	05-NOV-18	1,234.53	Reconciled
333033	01 1101 10	SUPPLY CO	-,			
393096	01-NOV-18	IRVINE COMMUNITY	1,596,498.45	08-NOV-18	1,596,498.45	Reconciled
		DEVELOPMENT				
		COMPANY LLC				
393097	01-NOV-18	IRVINE PACIFIC	138.13	07-NOV-18	138.13	Reconciled
393098	01-NOV-18	IRVINE PIPE &	1,387.66	06-NOV-18	1,387.66	Reconciled
		SUPPLY INC				
393099	01-NOV-10	JCI JONES	9,042.15	07-NOV-18	9,042.15	Reconciled
		CHEMICALS INC				
393100	01-NOV-18	KAESER	2,685.68	06-NOV-18	2,685.68	Reconciled
		COMPRESSORS, INC.				
393101	01-NOV-18		257.40	06-NOV-18	257.40	Reconciled
393102	01-NOV-18	KOELLER NEBEKER	280.00	05-NOV-18	280.00	Reconciled
		CARLSON & HALUCK,				
		LLP		10 1007 10	19.82	Reconciled
393103		LAMONICA, JASON	19.82 408.86	13-NOV-18 08-NOV-18	408.86	Reconciled
393104	01-NOV-18		408.86	09-NOA-18	408.86	Reconciled
200105	01 27077 10	INC. LENNAR HOMES	583.86	26-NOV-18	583.86	Reconciled
393105	01-NOV-18 01-NOV-18	LEWIS BRISBOIS	110,579.73	09-NOV-18	110,579.73	Reconciled
393106	01-1404-19	BISGAARD AND	110,375.73	03-NOV-10	110,375.75	RECONCILCA
		SMITH, LLP				
393107	01-NOV-18		465.93			Negotiable
393107	01-NOV-18	. ,	957.32	19-NOV-18	957.32	Reconciled
393100	01 100 10	LEADERSHIP	307.02	25 1101 20		
		CONSULTING, INC.				
393109	01-NOV-18		6,240.91	06-NOV-18	6,240.91	Reconciled
333103	01 1101 10	ENGINEERS, INC.	-,			
393110	01-NOV-18	MARK HELLER AND	122.78	23-NOV-18	122.78	Reconciled
~~~~		XIAN GE				
393111	01-NOV-18	MBC AQUATIC	4,050.00	08-NOV-18	4,050.00	Reconciled
		SCIENCES, INC.				
TRWD Ledger Upgrade		Payment Register For	01-NOV-18 To	30-NOV-18	Report Date: 03	-DEC-2018 15:24

Payment Register For 01-NoV-18 To 30-NoV-18 Report Date: 03-DEC-2018 15:24 geles Account: Checking AP and PR Page: 5
Payment Currency: USD ( US Dollar )
Display Supplier Address: No IRWD Ledger Upgrade Payme
BANK: Bank of America N.A. Branch : Los Angeles
Bank Account Currency: USD ( US Dollar )
Payment Type: All

Payment Number	Sequence Num Date	Supplier Name Site	Payment Amount	Cleared Date	Cleared Amount	Status
	ent : IRWD CHECK					
393112	01-NOV-18	MC FADDEN-DALE	41.75	06-NOV-18	41.75	Reconciled
393113	01-NOV-18	MC MASTER CARR SUPPLY CO	32.36	05-NOV-18	32.36	Reconciled
393114	01-NOV-18	MERCH SOURCE	38.33			Negotiable
393115	01-NOV-18		18,407.08	05-NOV-18	18,407.08	Reconciled
393116	01-NOV-18	MOHAMED, ASHRAF	39.12			Negotiable
393117	01-NOV-18	MULHOLAND, RYAN	43.07	06-NOV-18	43.07	Reconciled
393118	01-NOV-18	MUNICIPAL MAINTENANCE EQUIPMENT INC	7,734.75	05-NOV-18	7,734.75	Reconciled
393119	01-NOV-18	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	89,238.70	06-NOV-18	89,238.70	Reconciled
393120	01-NOV-18	MUTUAL PROPANE	11.46	07-NOV-19	11.46	Reconciled
393121	01-NOV-18	NATALIZIA, CARL	25.39	14-NOV-18	25.39	Reconciled
393122	01-NOV-18	NATIONAL READY MIXED CONCRETE CO.	1,064.09	05-NOV-18	1,064.09	Reconciled
393123	01-NOV-18	NGUYEN, AILEEN	50.53	27-NOV-18	50.53	Reconciled
393124	01-NOV-18		28.83			Negotiable
393125	01-NOV-18	NORTHERN TOOL & EQUIPMENT CATALOG COMPANY, INC	626.47	05-NOV-18	626.47	Reconciled
393126	01-NOV-18	OLIN CORPORATION	20,411.33	09-NOV-18	20,411.33	Reconciled
393127	01-NOV-18	OLSON ENGINEERING SYSTEM, INC.	2,812.50	06-NOV-18	2,812.50	Reconciled
393128	01-NOV-18	ONESOURCE DISTRIBUTORS LLC	12,048.54	07-NOV-18	12,048.54	Reconciled
393129	01-NOV-18	ORANGE COUNTY AUTO PARTS CO	202.03	07-NOV-18	202.03	Reconciled
393130	01-NOV-18	PACIFIC COAST BOLT CORP	1,573.50	07-NOV-18	1,573.50	Reconciled
393131	01-NOV-18	PADUA, ANDRE	45.84	09-NOV-18	45.84	Reconciled
393132	01-NOV-18	PANCHAL, AADIS	9.29			Negotiable
393133	01-NOV-18	PAREJA, IAN	45.82			Negotiable
393134	01-NOV-18	PARKHOUSE TIRE INC	2,547.77	06-NOV-18	2,547.77	Reconciled
393135	01-NOV-18	PFEFFER, ZACH	70.93			Negotiable
393136	01-NOV-18	PRAXAIR DISTRIBUTION INC	3,288.90	07-NOV-18	3,288.90	Reconciled
393137	01-NOV-18	PRO MOBILE AUTO DETAILING	300.00	05-NOV-18	300.00	Reconciled
393138	01-NOV-18	PSOMAS	325.00	06-NOV-18	325.00	Reconciled
393139	01-NOV-18		1,288.66	06-NOV-18	1,288.66	Reconciled
		QIAO, ZIYU	15.50			Negotiable

Payment Register For 01-NOV-18 To 30-NOV-18 Report D
geles Account: Checking AP and PR Pa
Payment Currency: USD ( US Dollar ) IRWD Ledger Upgrade Report Date: 03-DEC-2018 15:24 Branch : Los Angeles BANK: Bank of America N.A. Page: Bank Account Currency: USD ( US Dollar )

Payment Type: All Display Supplier Address: No

Cleared Payment Number Sequence Num Date Supplier Name Site Payment Amount Date Cleared Amount Status Payment Document : IRWD CHECK 393141 01-NOV-18 R&B AUTOMATION, 19,541.70 13-NOV-18 19,541,70 Reconciled INC. 393142 01-NOV-18 3,085.00 06-NOV-18 3,085.00 Reconciled RAM AIR ENGINEERING INC 913.08 Reconciled 393143 01-NOV-18 RANCHO SANTA FE 913.08 07-NOV-18 APTS 393144 01-NOV-18 RINCON TRUCK 45.49 05-NOV-18 45.49 Reconciled CENTER INC. 393145 01-NOV-18 RMC WATER AND 584.63 05-NOV-18 584.63 Reconciled ENVIRONMENT 393146 01-NOV-18 ROSEDALE - RIO 156,649.59 14-NOV-18 156,649.59 Reconciled BRAVO WATER STORAGE DISTRICT 393147 01-NOV-18 ROSEMOUNT INC 10,312.93 08-NOV-18 10,312.93 Reconciled ROYAL INDUSTRIAL 393148 01-NOV-18 3,720.99 05-NOV-18 3,720.99 Reconciled SOLUTIONS 393149 01-NOV-18 SAN MARCO 32 89 07-NOV-18 32.89 Reconciled APARTMENTS 1,200.00 393150 01-NOV-18 SANDERS PAVING INC 08-NOV-18 1,200.00 Reconciled 07-NOV-18 393151 01-NOV-18 SANTA ANA BLUE 365.97 365.97 Reconciled PRINT 393152 01-NOV-18 SANTA ROSA 326.21 07-NOV-18 326-21 Reconciled APARTMENTS 393153 01-NOV-18 SCHINDLER ELEVATOR 214.92 06-NOV-18 214.92 Reconciled CORPORATION 393154 01-NOV-18 SHANK, GREGORY 99.74 Negotiable 393155 01-NOV-18 SONG, YANG 437.07 Negotiable 01-NOV-18 SOUTHERN 447,191.00 05-NOV-18 447,191.00 Reconciled 393156 CALIFORNIA EDISON COMPANY 393157 01-NOV-18 STANDARD REGISTER, 1,204.11 06-NOV-18 1,204.11 Reconciled INC. STANFORD COURT 393158 01-NOV-18 43.15 07-NOV-18 43.15 Reconciled APARTMENTS STIFT, MICHELLE 06-NOV-18 186.55 Reconciled 393159 01-NOV-18 186.55 393160 01-NOV-18 STONEGATE VILLAGE 16-NOV-18 411.11 Reconciled COMM ASSN STRADLING YOCCA 340.80 05-NOV-18 340.80 393161 01-NOV-18 Reconciled CARLSON & RAUTH STREAKWAVE 393162 01-NOV-18 1,163.08 06-NOV-18 1,163.00 Reconciled WIRELESS, INC. 01-NOV-18 541.15 541.15 393163 SUEZ TREATMENT 05-NOV-18 Reconciled SOLUTIONS INC. 393164 01-NOV-18 TA, LAC 16.98 13-NOV-18 16.98 Reconciled 393165 01-NOV-18 TEKDRAULICS 530.21 05-NOV-18 530.21 Reconciled CH, INC 9,667.00
Payment Register For 01-NOV-18 To 05-NOV-18 30-NOV-18 9,667.00 Reconciled Report Date: 03-DEC-2018 15:24 393166 01-NOV-18 TETRA TECH, INC IRWD Ledger Upgrade Page: Branch : Los Angeles Account: Checking AP and PR BANK: Bank of America N.A.

Payment Currency: USD ( US Dollar )
Display Supplier Address: No Bank Account Currency: USD ( US Dollar ) Payment Type: All

Payment Number	Sequence Num	Date	Supplier Name	Site			Cleared Amount	Status
Payment Docume								
393167		01-NOV-18	THYSSENKRUPP ELEVATOR CORPORATION		191.94	05-NOV-18	191.94	Reconciled
393168		01-NOV-18	TIC-OFFICE PROPERTIES		67.24	06-NOV-18	67.24	Reconciled
393169		01-NOV-18	TOLL BROS., INC.		176.97	13-NOV-18	176.97	Reconciled
393170		01-NOV-18	TORRES, MONICA		210,24	13-NOV-18	210.24	Reconciled
393171		01-NOV-18	TRI POINTE HOMES,		151.84	13-NOV-18	151.84	Reconciled
393172		01-NOV-18	TRUCPARCO		497.68	13-NOV-18	497.68	Reconciled
393173		01-NOV-18	TUNG, DAVID		3,100.77	07-NOV-18	3,100.77	Reconciled
393174		01-NOV-18	TURTLE ROCK CANYON APTS		330.24	07-NOV-18	330.24	Reconciled
393175		01-NOV-18	UNITED PARCEL SERVICE INC		663.11	06-NOV-18	663.11	Reconciled
393176		01-NOV-18	US BANK NAT'L ASSOCIATION NORTH DAKOTA		66,338.70	13-NOV-18	66,338.70	Reconciled
393177		01-NOV-18	VALBUENA, STEPHEN		21,564.72	08-NOV-18	21,564.72	Reconciled
393178		01-NOV-18	VELEZ, DAINY		11.28	16-NOV-18	11.28	Reconciled
393179		01-NOV-18	VERIZON WIRELESS SERVICES LLC		12,689.49	07-NOV-18	12,689.49	Reconciled
393180		01-NOV-18	VESCO PLASTIC SALES		2,875.32			Negotiable
393181		01-NOV-18	VIBRALIGN INC.		1,053.42	07-NOV-18	1,053.42	Reconciled
393182		01-NOV-18	WANG, DANYANG		10.41	15-NOV-18	10.41	Reconciled
393183		01-NOV-18	WATERBORNE, INC		490.00	13-NOV-18	490.00	Reconciled

393184	01-NOV-18	WATERLINE	2,840.00	05-NOV-18	2,840.00	Reconciled
		TECHNOLOGIES INC				
393185	01-NOV-18	WAXIE'S	3,521.58	05-NOV-18	3,521.58	Reconciled
		ENTERPRISES, INC				
393186	01-NOV-18	WECK LABORATORIES	295.00	06-NOV-18	295.00	Reconciled
		INC				
393187	01-NOV-18	WILLIAM F. WRIGHT	40.11	13-NOV-18	40.11	Reconciled
		AND MARGARET				
		WRIGHT				
393188	01-NOV-18	WILLIAMS, KARYN L	12.79	13-NOV-18	12.79	Reconciled
393189	01-NOV-18	WOODRUFF, SPRADLIN	51.00	06-NOV-18	51.00	Reconciled
233103		& SMART APC				
393190	01-NOV-18	XU, HAO YING	180.16	13-NOV-18	180.16	Reconciled
393191	01-NOV-18	YONEZAKI, KRIS	206.03			Negotiable
393192	01-NOV-18	YOO, DANIEL	253.65	09-NOV-18	253.65	Reconciled
			23.53	09-NOV-18	23.53	Reconciled
393193	01-NOV-18	YUXUAN, SUN		09-1404-19	23.33	
393194	01-NOV-18	ZIMMERMAN, ANDRA	34.90			Negotiable
393195	07-NOV-18	JCI JONES NEWARK	3,314.20	14-NOV-18	3,314.20	Reconciled
		CHEMICALS INC				

US INC
Payment Register For 01-NOV-18 To 30-NOV-18 Report Date: 03-DEC-2018 15:24
Angeles Account: Checking AP and PR Page: 8
Payment Currency: USD ( US Dollar )
Display Supplier Address: No IRWD Ledger Upgrade Paymer
BANK: Bank of America N.A. Branch: Los Angeles
Bank Account Currency: USD ( US Dollar )
Payment Type: All

yment Number Sequence	Num Date	Supplier Name	rayment Amount	Date	Cleared Amount	Stat
Payment Document : IRWD						
93196	08-NOV-18	Chandler, Michael J (Mike)	90.00	14-NOV-18	90.00	Reconciled
93197	08-NOV-18	Chauv, Denise	37.06	19-NOV-18	37.06	Reconciled
93198		Cho, Harry K (Harry)	122.27	14-NOV-18	122.27	Reconciled
93199	08-NOV-18		131.54	13-NOV-18	131.54	Reconciled
93200		Fehser, Noah (Noah)	55.00	09-NOV-18	55.00	Reconciled
93201	08-NOV-18	Elizabeth	2,714.33	14-NOV-18	2,714.33	Reconciled
93202		Hartoog, Jeremy	805.78			Voided
93203		Joseph, Brandon	188.00	14-NOV-18	188.00	Reconciled
93204		Lao, Richard S	53.70	15-NOV-18	53.70	Reconciled
93205		Malloy, Steven L (Steven)	115.00	09-NOV-18	115,00	Reconciled
93206		Mares, Michael	227.00	15-NOV-18	227.00	Reconcile
93207		Moeder, Jacob J (Jacob)	44.15			Negotiable
93208		Mossbarger, Anthony J (Tony)	162.51	08-NOV-18	162.51	Reconcile
93209		Paulson, David	105.00	14-NOV-18	105.00	Reconcile
93210	08-NOV-18	(Rudy)	33.39			Negotiable
93211	08-NOV-18		121.00	27-NOV-18	121.00	Reconcile
93212	08-NOV-18	В	255.00	14-NOV-18	255.00	Reconcile
93213		Rutherford, Allan	188.00	14-NOV-18	188.00	Reconcile
93214		Solis, Henry (Henry)	1,453.65	14-NOV-18	1,453.65	Reconcile
93215	08-NOV-18		2,789.19	13-NOV-18	2,789.19	Reconcile Reconcile
93216	08-NOV-18	(Richard)	188.00	13-NOV-18	188.00 998.94	Reconcile
93217		AAF INTERNATIONAL	998.94	13-NOV-18	18,915.01	Reconcile
93218		ABM INDUSTRY GROUPS, LLC	18,915.01	15-NOV-18 16-NOV-18	319.10	Reconcile
93219		ACCUSTANDARD INC			2,160.00	Reconcile
93220	08-NOV-18		2,160.00	13-NOV-18	2,180.00	Reconcile
93221	08-NOV-18	ENTERPRISE, LLC	111.21	16-NOV-18	168.95	Reconcile
93222		AIRGAS, INC.	168.95 21.82	13-NOV-18 16-NOV-19	21.82	Reconcile
93223		ALI, TAMER	3,000.00	15-NOV-18	3,000.00	Reconcile
93224		ALLIANCE AG SERVICES, LLC	•		,	Reconcile
93225	08-NOV-18	AMAZON CAPITAL SERVICES, INC.	153.81	13-NOV-18	153.81 Report Date: 03	
WD Ledger Upgrade			egister For 01-NOV-18 To			-DEC-2018 1:
ANK: Bank of America N. Bank Account Curren Payment Type: All	cy: USD ( US D	h : Los Angeles ollar )	Account: Check Payment Curr Display Supplier Add	ency: USD (		9

	Sequence Num Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
393226	08-NOV-18	AMERICAN WATER CHEMICALS, INC.		5,389.85	13-NOV-18	5,389.85	Reconciled
393227	08-NOV-18	AMIRMOKRI, NAMVAR		18.84	13-NOV-18	18.84	Reconciled
393228	08-NOV-18	APEX LIFE SCIENCES, LLC		4,760.00	13-NOV-18	4,760.00	Reconciled
393229	08-NOV-18	ASHFORD, WALT		485.80	26-NOV-18	485.80	Reconciled
393230	08-NOV-18	ASSOCIATION OF CALIFORNIA WATER		34,679.99	16-NOV-18	34,679.99	Reconciled

		AGENCIES/JPIA				
393231	08-NOV-18		1,096.82	15-NOV-18	1,096.82	Reconciled
393232		AUTOZONE PARTS,	23.26	14-NOV-18	23.26	Reconciled
0.502.02.	00 1101 10	INC.				
393233	08-NOV-18	BATTERIES PLUS AND	6,996.17	14-NOV-18	6,996.17	Reconciled
		BATTERIES PLUS	-,		-,	
		BULBS				
393234	08-NOV-18		1,172.20	13-NOV-18	1,172.20	Reconciled
		ENVIRONMENTAL	•		,	
		SERVICES, INC.				
393235	08-NOV-18	BERGNER, BONNIE	61.06	19-NOV-18	61.06	Reconciled
393236		BIOMAGIC INC	15,065.07	15-NOV-18	15,065.07	Reconciled
393237		BOOT WORLD, INC.	1,128.63	28-NOV-18	1,128.63	Reconciled
393238		BRENNTAG PACIFIC	2,070.00	13-NOV-18	2,070.00	Reconciled
		INC	_,		-,	
393239	08-NOV-18	BRIGHTVIEW	371.39			Negotiable
		LANDSCAPE				-
		DEVELOPMENT				
393240	08-NOV-18	BUREAU VERITAS	13,829.48	19-NOV-18	13,829.48	Reconciled
		NORTH AMERICA, INC			,	
393241	08-NOV-18		4,505.00	13-NOV-18	4,505.00	Reconciled
		BARRICADE RENTAL,				
		INC.				
393242	08-NOV-18	CALIFORNIA DEPT OF	473.00	19-NOV-18	473.00	Reconciled
		PUBLIC HEALTH				
393243	08-NOV-18	CANON FINANCIAL	401.91	13-NOV-18	401.91	Reconciled
		SERVICES, INC				
393244	08-NOV-18	CANON SOLUTIONS	490.06	13-NOV-18	490.06	Reconciled
		AMERICA, INC.				
393245	08-NOV-18	CANON SOLUTIONS	1,167.24	13-NOV-18	1,167.24	Reconciled
		AMERICA, INC.				
393246	08-NOV-18	CCL CONTRACTING	160,133.90	21-NOV-18	160,133.90	Reconciled
		INC.				
393247	08-NOV-18	CHARLES WILLIAM	135.00	19-NOV-18	135.00	Reconciled
		ROBLE, JR.				
393248	08-NOV-18		6,934.40	16-NOV-18	6,934.40	Reconciled
		INTERNATIONAL INC				
393249	08-NOV-18		17.00			Negotiable
IRWD Ledger Upgrade			Register For 01-NOV-18 To			
BANK: Bank of America N.A.			Account: Check			10
Bank Account Currency:	USD ( US D	ollar )		ency: USD ( US	Dollar )	
Payment Type: All			Display Supplier Add	ress: No		

Cleared Payment Amount Date Supplier Name Site Cleared Amount Status Payment Number Sequence Num Date Payment Document : IRWD CHECK 393250 08-NOV-18 CHO DESIGN 9,200.00 13-NOV-18 9,200,00 Reconciled ASSOCIATES, INC 393251 08-NOV-18 CHORI, YOUNG JUN CITY OF TUSTIN 53.64 Negotiable 15-NOV-18 63,821.30 08-NOV-18 63,821,30 393252 Reconciled 14,637.00 393253 08-NOV-18 16-NOV-18 14,637.00 Reconciled CLARIS STRATEGY TNC. 393254 08-NOV-18 CLIFFORD MORIYAMA 4,000.00 14-NOV-18 4,000.00 Reconciled CNC ENGINEERING COAST PLUMBING 1,987.50 155.00 1,987.50 155.00 393255 08-NOV-18 16-NOV-18 Reconciled 13-NOV-18 08-NOV-18 Reconciled 393256 HEATING AND AIR, INC 393257 08-NOV-18 COLE, JAMES R 2,392.83 13-NOV-18 2,392.83 Reconciled 393258 08-NOV-18 CONSOLIDATED CONTRACTING 193.35 Negotiable SERVICES, INC 17,542,16 393259 17,542,16 15-NOV-18 Reconciled 08-NOV-18 CONSTELLATION NEWENERGY, INC. 171,034.15 171,034,15 393260 08-NOV-18 CORRPRO COMPANIES, 21-NOV-18 Reconciled INC. 393261 08-NOV-18 CUSTOM TRUCK ONE 3,780.00 19-NOV-18 3,780.00 Reconciled SOURCE, L.P. CYNOGEN 19-NOV-18 43,53 Reconciled 393262 08-NOV-18 INCORPORATION 393263 08-NOV-18 D & G SIGNS 1,435.69 14-NOV-18 1,435.69 Reconciled 08-NOV-18 DC FROST 5,641.21 14-NOV-18 5,641.21 Reconciled ASSOCIATES, INC. DE GUZMAN, NORIA 08-NOV-18 393265 DEACON, JANET DEACON, JANET 393266 08-NOV-18 848.30 23-NOV-18 848.30 Reconciled 08-NOV-18 936.54 23-NOV-18 936.54 Reconciled 393267 393268 08-NOV-18 DEE JASPAR & 185.40 15-NOV-18 185.40 Reconciled ASSOCIATES, INC. 08-NOV-18 DEMARIA ELECTRIC 5,722.14 15-NOV-18 5,722.14 Reconciled 393269 MOTOR SERVICES, INC. 393270 08-NOV-18 DING, DONG 53.58 Negotiable DISCOVERY SCIENCE 2,912,70 14-NOV-18 2,912.70 393271 08-NOV-18 Reconciled CENTER OF ORANGE COUNTY 08-NOV-18 E.J. MEYER 209,903.50 16-NOV-18 209,903.50 Reconciled 393272 COMPANY, INC. 4,754.47 4,754,47 393273 08-NOV-18 EAGLE PRINT 14-NOV-18 Reconciled DYNAMICS 393274 08-NOV-18 EAST ORANGE COUNTY 11,019.24 16-NOV-18 11,019.24 Reconciled WATER DISTRICT 4,877.91 393275 08-NOV-18 ECO SERVICES LLC 13-NOV-18 4,877.91 Reconciled 08-NOV-18 ELECTRABOND 5,232.00 Negotiable 393276

Payment Register For 01-NOV-18 To 30-NOV-18 Report Date: 03-DEC-2018 15:24 IRWD Ledger Upgrade Account: Checking AP and PR Pag Payment Currency: USD (US Dollar) Display Supplier Address: No BANK: Bank of America N.A. Branch : Los Angeles Page:

Bank Account Currency: USD ( US Dollar ) Payment Type: All

			Supplier Name				Cleared Amount	Stati
Payment Docum								
393277		08-NOV-18	ENTERPRISE SECURITY, INC		4,976.47	13-NOV-18	4,976.47	Reconciled
393278		08-NOV-18	ENVIRONMENTAL EXPRESS INC		2,086.41	14-NOV-18	2,086.41	Reconciled
393279		08-NOV-18	ENVIRONMENTAL SCIENCE ASSOCIATES		12,910.49	19-NOV-18	12,910.49	Reconciled
393280		08-NOV-18	EXECUTIVE LIGHTING & ELECTRIC		18,784.35	16-NOV-18	18,784.35	Reconciled
393281		08-NOV-18	FAN, YIREN		99.08			Negotiable
393282			FARRELL &		216.15	13-NOV-18	216.15	Reconciled
333202		oo nor 10	ASSOCIATES					
393283		08-NOV-18			221.02	14-NOV-18	221.02	Reconciled
393284			FERGUSON		2,281.07	13-NOV-18	2,281.07	Reconciled
333204		00 100 10	ENTERPRISES, INC.		2,201107	10 1101 11	_,	
393285		08-NOV-18	FIDELITY SECURITY LIFE INSURANCE COMPANY		7,226.01	19-NOV-18	7,226.01	Reconciled
393286		08-NOV-18	FIRE EXTINGUISHING SAFETY & SERVICE		537.07	13~NOV-18	537.07	Reconciled
393287		08-NOV-18	FISHER SCIENTIFIC COMPANY LLC		327.27	13-NOV-18	327.27	Reconciled
393288		08-NOV-18	FOUGHT, CYNTHIA J.		2,593.70	13-NOV-18	2,593.70	Reconciled
393289			FULLER TRUCK ACCESSORIES		2,964.20	14-NOV-18	2,964.20	Reconciled
393290		08-NOV-18	FUSCOE ENGINEERING, INC.		9,598.75	13-NOV-18	9,598.75	Reconciled
393291		08-NOV-18	GANAHL LUMBER CO.		1,820.69	16-NOV-18	1,820.69	Reconciled
393292		08-NOV-18	GAO, GE		62.98			Negotiable
393293			GCI CONSTRUCTION, INC.		273,934.14	15-NOV-18	273,934.14	Reconciled
393294		08-NOV-18	GEE, JASON		74.18	16-NOV-18	74.18	Reconciled
393295		08-NOV-18	GHD INC.		1,257.62	14-NOV-18	1,257.62	Reconciled
393296		08-NOV-18	GRAINGER		7,593.32	13-NOV-18	7,593.32	Reconciled
393297		08-NOV-18	GRAYBAR ELECTRIC COMPANY		14,969.82	15-NOV-18	14,969.82	Reconciled
393298		08-NOV-18	GUAN, TIEBING		45.17	21-NOV-18	45.17	Reconciled
393299		08-NOV-18	GURAN, MARY		162.86	16-NOV-18	162,86	Reconciled
393300			HAAKER EQUIPMENT COMPANY		2,206.04	14-NOV-18	2,206.04	Reconciled
393301		08-NOV-18	HACH COMPANY		3,791.81	13-NOV-18	3,791.81	Reconciled
393302			HALDEMAN INC		5,603.00	13-NOV-18	5,603.00	Reconciled
393303			HARMSWORTH ASSOCIATES		953.00	23-NOV-18	953.00	Reconciled
393304		08-NOV-18	HARRINGTON INDUSTRIAL PLASTICS LLC		3,027.44			
RWD Ledger Upg	rade		Payment	Register	For 01-NOV-18 To			
Bank Acco	America N.A. unt Currency: Type: All	USD ( US :	ch : Los Angeles Dollar )	D	Account: Check Payment Curr isplay Supplier Add	ency: USD (		12

Cleared Payment Amount Date Cleared Amount Status Site Supplier Name Payment Number Sequence Num Date Payment Document : IRWD CHECK 11,495.00 16-NOV-18 11,495.00 Reconciled 393305 08-NOV-18 HARRY H. KOBZEFF Negotiable 35.25 08-NOV-18 HEALEY, LUISE HELPMATES STAFFING 393306 8,756.52 8,756.52 13-NOV-18 Reconciled SERVICES 393308 08-NOV-18 HERC RENTALS INC. 2,185.17 13-NOV-18 2,185.17 Reconciled 21-NOV-18 393309 08-NOV-18 HERITAGE FIELDS EL 1,210.24 1,210,24 Reconciled TORO, LLC HILL BROTHERS 393310 08-NOV-18 5,805.31 19-NOV-18 5,805.31 Reconciled CHEMICAL COMPANY 393311 08-NOV-18 HILTS CONSULTING 36,474.47 16-NOV-18 36,474.47 Reconciled GROUP, INC. HOFFMAN, ROXANNE HOLLAND, TATE Reconciled 38.71 23-NOV-18 38.71 08-NOV-18 393312 393313 08-NOV-18 23.40 Negotiable 15-NOV-18 123,38 Reconciled HOME DEPOT USA INC 08-NOV-18 123.38 393314 08-NOV-18 HORIZON LIGHTING, 14,799.90 16-NOV-18 14,799.90 Reconciled 393315 INC. HUMANA INSURANCE Reconciled 393316 08-NOV-18 73.80 13-NOV-18 COMPANY 3,195.00 Negotiable 08-NOV-18 INTEGRITY IT 393317 SOLUTIONS INC. IRVINE PIPE & SUPPLY INC 636.28 636.28 Reconciled 393318 08-NOV-18 13-NOV-18 393319 08-NOV-18 JAGARLAPUDI, UJVAL 27.67 Negotiable Negotiable 393320 08-NOV-18 JOHN MICHAEL COVAS KENT & AMY 173,20 08-NOV-18 55,290.00 15-NOV-18 55,290.00 Reconciled 393321 DAHLBERG 08-NOV-18 KIM, NAM 463.02 Negotiable 393322

393323	08-NOV-18	KRONICK MOSKOVITZ	15,120,77	15-NOV-18	15,120.77	Reconciled
353323	00-1004-19	TIEDEMANN & GIRARD	15,120.77	13-NOV-16	13,120.77	Reconciled
393324	08-NOV-18	LA HABRA FENCE	5,981.00	15-NOV-18	5,981.00	Reconciled
		COMPANY INC				
393325	08-NOV-18	LAGUNA BEACH	3,303.06			Negotiable
		COUNTY WATER				
		DISTRICT				
393326	08-NOV-18	LANDCARE HOLDINGS,	10,686.38	19-NOV-18	10,686.38	Reconciled
		INC.				
393327	08-NOV-18	LANDERS, JESSICA	46.66	28-NOV-18	46.66	Reconciled
393328	08-NOV-18	LAU, NICHOLAS	51.43	16-NOV-18	51.43	Reconciled
393329	08-NOV-18	LENNAR HOMES	96.78	28-NOV-18	96.78	Reconciled
393330	08-NOV-18	LEVENE, DANIEL	178.86	19-NOV-18	178.86	Reconciled
393331	08-NOV-18	LI, ZHAOXIA	36.60			Negotiable
393332	08-NOV-18	LIU, SHUO	55.00			Negotiable
393333	08-NOV-18	LU'S LIGHTHOUSE,	756.28	15-NOV-18	756.28	Reconciled
		INC.				
393334	08-NOV-18	MAILFINANCE INC	12,377.26	19-NOV-18	12,377.26	Reconciled
IRWD Ledger Upgrade		Payment Register For	01-NOV-18 To	30-NOV-18	Report Date: 03-	-DEC-2018 15:24
BANK: Bank of America N.A.	Branc	h : Los Angeles	Account: Check	ing AP and PR	Page: 1	13
Bank Account Currency:	USD ( US D	ollar)	Payment Curr	ency: USD ( US	Dollar )	

Payment Type: All Display Supplier Address: No

				Site Payment Amou		Cleared Amount	Statu
	ment : IRWD CHEC						
393335	0	8-NOV-18	MAP COMMUNICATIONS, INC.	955.6	3 26-NOV-18	955.63	Reconciled
393336	0	8-NOV-18	MENDOZA, DARRYL	37.1	9 21-NOV-18	37.19	Reconciled
393337			MERCH SOURCE	34.5		0,,12	Negotiable
393338			MILLS, MICHAEL	43.2		43.23	Reconciled
393339			MPULSE MOBILE, INC	172.0		172.08	Reconciled
393340			MULLINS, MARK	57.2			Negotiable
393341			MUNICIPAL MAINTENANCE EQUIPMENT INC	1,963.7		1,963.76	Reconciled
393342	0	8-NOV-18	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	131.5	0 13-NOV-18	131.50	Reconciled
393343	0	8-NOV-18	NAKATSUKASA, NAOKO	74.4	4 13-NOV-18	74.44	Reconciled
393344		8-NOV-18	NEAR, DONALD	17.1	4		Negotiable
393345	0	8-NOV-18		1,096.6	2 14-NOV-18	1,096.62	Reconciled
393346	0	8-NOV-18	NEW RESOURCES GROUP INC	461.4	0 14-NOV-18	461.40	Reconciled
393347	0	8-NOV-18	NEWPORT REAL ESTATE SERVICES	13,100.0		13,100.00	Reconciled
393348	0	8-NOV-18	NINYO & MOORE	1,956.5		1,956.50	Reconciled
393349	0	9-NOV-18	O.C. SUPERIOR CUSTOM CLEANING SERVICES	1,040.0	0 13-NOV-18	1,040.00	Reconciled
393350	0	8-NOV-18	OLIN CORPORATION	40,435.4	7 19-NOV-18	40,435.47	Reconciled
393351	0	8-NOV-18	ONESOURCE DISTRIBUTORS LLC	9,616.0	7 13-NOV-18	9,616.07	Reconciled
393352		8-NOV-18	PARTS CO	1,345.1		1,345.13	Reconciled
393353		8-NOV-18	TREASURER	535.6		535.65	Reconciled
393354			PACIFIC COAST BOLT CORP	3,468.3		3,468.32	Reconciled
393355			PACIFIC HYDROTECH CORPORATION	232,663.6		232,663.65	Reconciled
393356			PACIFIC HYDROTECH CORPORATION	12,245.4		12,245.45	Reconciled
393357			PASCAL & LUDWIG CONSTRUCTORS	412,036.8		412,036.85	Reconciled
393358			PASCAL & LUDWIG CONSTRUCTORS	12,335.9		12,335.90	Reconciled
393359	0	8-NOV-18	PASCAL & LUDWIG CONSTRUCTORS	9,350.2	6 14-NOV-19	9,350.26	Reconciled

BANK: Bank of America N.A. Branch: Los Angeles
Bank Account Currency: USD ( US Dollar )
Payment Type: All Account: Checking AP and PR Page: 14
Payment Currency: USD ( US Dollar )
Display Supplier Address: No

Payment Number Payment Docum	Sequence Num Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
393360	08-NOV-18	PCB PIEZOTRONICS,		905.89	13-NOV-18	905.89	Reconciled
393361	08-NOV-18	PENG, ZUJAM		31.47			Negotiable
393362	08-NOV-18	PRIEGEL, MARK		38.73			Negotiable
393363	08-NOV-18	PRUDENTIAL OVERALL SUPPLY		791.46	14-NOV-18	791.46	Reconciled
393364	08-NOV-18	PURE EFFECT INC		7,553.50	14-NOV-18	7,553.50	Reconciled
393365	08-NOV-18	R&B AUTOMATION, INC.		2,000.00	19-NOV-18	2,000.00	Reconciled
393366	08-NOV-18	RASMUSSEN, METTE		23.13			Negotiable

	393367	08-NOV-18	RED WING SHOE	200.00	14-NOV-18	200.00	Reconciled
	393368	08-NOV-18	STORE RELIANCE STANDARD LIFE INSURANCE	30,549.44	19-NOV-18	30,549.44	Reconciled
4	393369	08-NOV-18	COMPANY RESPONSE ENVELOPE, INC	2,801.28	13-NOV-18	2,801.28	Reconciled
	393370	08-NOV-18	RICHMOND AMERICAN HOMES OF MARYLAND,	217.97	16-NOV-18	217.97	Reconciled
	393371	08-NOV-18	INC RINCON TRUCK CENTER INC.	295.00	14-NOV-18	295.00	Reconciled
	393372	08-NOV-18	RLG ENTERPRISES,	703.34	13-NOV-18	703.34	Reconciled
	393373	08-NOV-18	ROYAL INDUSTRIAL SOLUTIONS	969.66	13-NOV-18	969.66	Reconciled
	393374	08-NOV-18	SANDERS PAVING INC	27,275.00	15-NOV-18	27,275.00	Reconciled
	393375	08-NOV-18	SANDOVAL, JOSEPHINE	172.47			Negotiable
	393376	08-NOV-18	SANTA ANA BLUE PRINT	292.17	14-NOV-18	292.17	Reconciled
	393377	08-NOV-18	SANTA MARGARITA FORD	1,138.64	14-NOV-18	1,138.64	Reconciled
	393378	08-NOV-18	SECURITAS SECURITY SERVICES USA, INC.	61,460.29	15-NOV-18	61,460.29	Reconciled
	393379	08-NOV-18	SHAMROCK SUPPLY CO	1,503.92	15-NOV-18	1,503.92	Reconciled
	393380	08-NOV-18	SHEA HOMES LP	49.28	20-NOV-18	49.28	Reconciled
	393381	08-NOV-18	SHINEY, WILLIAM	31.75			Negotiable
	393382	08-NOV-18	SHOETERIA	218.17	14-NOV-18	218.17	Reconciled
	393383	08-NOV-18	SITMATIC	635.83	15-NOV-18	635.83	Reconciled
	393384	08-NOV-18	SOUTH COAST WATER DISTRICT	1,199.86	13-NOV-18	1,199.86	Reconciled
	393385	08-NOV-18	SOUTHERN CALIFORNIA EDISON COMPANY	13,685.09	13-NOV-18	13,685.09	Reconciled

RWD Ledger Upgrade Payment Register For 01-NOV-18 To 30-NOV-18 Report Date: 03-DEC-2018 15:24
BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 15
Bank Account Currency: USD (US Dollar) Payment Type: All Display Supplier Address: No

		Supplier Name		Payment Amount		Cleared Amount	Status
Payment Docum						1	
393386	08-NOV-18	SS MECHANICAL CONSTRUCTION CORP		6,293.75	14-NOV-18	6,293.75	Reconciled
393387	08-NOV-18	STREAKWAVE WIRELESS, INC.		1,106.24	15-NOV-18	1,106.24	Reconciled
393388	08-NOV-18	SUNHAE PARK & SEUNGYOUB LEE		38.45	23-NOV-18	38.45	Reconciled
393389	08-NOV-18	SUSAN A. SIROTA		4,395.00	13-NOV-18	4,395.00	Reconciled
393390	08-NOV-18	TEMPLIN, PAM		100.00			Negotiable
393391	08-NOV-18	THE NEW HOME COMPANY SOUTHERN CALIFORNIA LLC		38.74			Negotiable
393392	08-NOV-18	THERMO ELECTRON NORTH AMERICA LLC		3,397.00	14-NOV-18	3,397.00	Reconciled
393393	08-NOV-18	TIC-RETAIL PROPERTIES		1,958.07	14-NOV-18	1,958.07	Reconciled
393394	08-NOV-18	TOLL BROS., INC.		1,088.08	20-NOV-18	1,088.08	Reconciled
393395	08-NOV-18	TOLL BROTHERS.,		99.00	20-NOV-18	99.00	Reconciled
393396	08-NOV-18	TOTAL RESOURCE MANAGEMENT, INC.		59,002.88	20-NOV-18	59,002.88	Reconciled
393397	08-NOV-18			53.69	16-NOV-18	53.69	Reconciled
393398	08-NOV-18	TREE OF LIFE NURSERY		111.52	16-NOV-18	111.52	Reconciled
393399	08-NOV-18	TRI POINTE HOMES, INC.		165.54	20-NOV-18	165.54	Reconciled
393400	08-NOV-18	TRIPAC MARKETING		844.21	14-NOV-18	844.21	Reconciled
393401	08-NOV-18	TROPICAL PLAZA NURSERY INC		4,800.00	13-NOV-18	4,800.00	Reconciled
393402	08-NOV-18	TRUCPARCO		535.01	21-NOV-18	535.01	Reconciled
393403	08-NOV-18	ULINE INC		245.14	15-NOV-18	245.14	Reconciled
393404	08-NOV-18	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA		1,343.20	16-NOV-18	1,343.20	Reconciled
393405	08-NOV-18	UNITED HEALTHCARE INSURANCE COMPANY		264.27	16-NOV-18	264.27	Reconciled
393406	08-NOV-18	UNITED PARCEL SERVICE INC		97.96	13-NOV-18	97.96	Reconciled
393407	08-NOV-18	VADKERTI, MARTIN		75.73	14-NOV-18	75.73	Reconciled
393408		VATANKHAHI, MASSOUD		359.70			Negotiable
393409	08-NOV-18	VERIZON WIRELESS SERVICES LLC		4,084.44	14-NOV-18	4,084.44	Reconciled
393410	08-NOV-18	VERTECH INDUSTRIAL SYSTEMS, LLC		21,574.85	19-NOV-18	21,574.85	Reconciled
IRWD Ledger Upg BANK: Bank of	Branc		Register Fo	or 01-NOV-18 To Account: Check		Report Date: 03 Page:	-DEC-2018 15:24 16

Bank Account Currency: USD ( US Dollar )
Payment Type: All

Payment Currency: USD ( US Dollar )
Display Supplier Address: No

Payment Number			Supplier Name	Site	Payment Amount		Cleared Amount	Status
	ment : IRWD CH		************					
393411		08-NOV-18	VILLA SIENA APTS		9,862.40	16-NOV-18	9,862.40	Reconciled
393412		08-NOV-18	WASTE MANAGEMENT OF ORANGE COUNTY		4,483.32	13-NOV-18	4,483.32	Reconciled
393413		08-NOV-18	WAXIE'S ENTERPRISES, INC		756.30	13-NOV-18	756.30	Reconciled
393414		08-NOV-18			5,900.00	16-NOV-18	5,900.00	Reconciled
393415		08-NOV-18	WINTER, WILLIAM		186.67	21-NOV-18	186.67	Reconciled
393416		08-NOV-18	WOODARD & CURRAN INC		19,958.38	23-NOV-18	19,958.38	Reconciled
393417 393418		08-NOV-18 08-NOV-18	YI, CHEN		30.81 96.07	15-NOV-18 14-NOV-18	30.81 96.07	Reconciled Reconciled
393419		08-NOV-18			62.91	19-NOV-18	62.91	Reconciled
393420		08-NOV-18	ZEBRON CONTRACTIN	G	22,376.66	19-NOV-18	22,376.66	Reconciled
393421		09-NOV-18	INC JCI JONES	NEWARK	7,738.02	16-NOV-18	7,738.02	Reconciled
393422		09-NOV-18	CHEMICALS INC PERS LONG TERM	PASADENA	538.89	14-NOV-18	538.89	Reconciled
393423		09-NOV-18	CARE	DIAMOND	1,400.00			Negotiable
333423		03 1100 10	BROTHERHOOD OF ELECTRICAL WORKER LOCAL 47	BAR	1,400.00		×	Negociabie
393424		09-NOV-18	FRANCHISE TAX BOARD	SACRAMENTO	150.00			Negotiable
393425		09-NOV-18	ORANGE COUNTY	4601	224.50	15-NOV-18	224.50	Reconciled
393426		12-NOV-18	SHERIFF'S OFFICE HARTFORD LIFE AND ACCIDENT INSURANCE		72.30	16-NOV-18	72.30	Reconciled
393427		12-NOV-18	COMPANY COLONIAL LIFE & ACCIDENT INSURANCE		1,215.37	20-NOV-18	1,215.37	Reconciled
393428		12-NOV-18	CO. AFLAC	1932	6,840.50			Negotiable
393429		12-NOV-18	AFLAC	WYNNTON RD PO BOX	148.74	27-NOV-18	148.74	Reconciled
393430		12-NOV-18	PRE-PAID LEGAL	B4069 PO BOX	1,212.00	21-NOV-18	1,212.00	Reconciled
			SERVICES INC	2629	538.89	15-NOV-18	538.89	Reconciled
393431		12-NOV-18	SERVICES INC PERS LONG TERM CARE	2629 PASADENA	538.89	15-NOV-18	538.89	Reconciled
393431 393432	urade	12-NOV-18	SERVICES INC PERS LONG TERM CARE FRANCHISE TAX BOARD	2629 PASADENA SACRAMENTO 1	532.64			Negotiable
393431 393432 IRWD Ledger Upg BANK: Bank of Bank Acco		12-NOV-18 12-NOV-18 Branc	SERVICES INC PERS LONG TERM CARE FRANCHISE TAX BOARD Payment th : Los Angeles	2629 PASADENA SACRAMENTO 1 Register Fo		30-NOV-18 ing AP and P ency: USD (	Report Date: 03- R Page: 1	Negotiable
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393431 393432 RWD Ledger Upg BANK: Bank of Bank Acco Payment	America N.A. ount Currency: Type: All	12-NOV-18 12-NOV-18 Brand USD ( US I	SERVICES INC PERS LONG TERM CARE FRANCHISE TAX BOARD Payment ch : Los Angeles collar )  Supplier Name	2629 PASADENA SACRAMENTO 1 Register For	532.64  r 01-NOV-18 To Account: Check: Payment Curre lay Supplier Add:	30-NOV-18 ing AP and P ency: USD ( cess: No  Cleared Date	Report Date: 03- R Page: : US Dollar )	Negotiable -DEC-2018 15:2 17
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393431 393432 RWD Ledger Upg BANK: Bank of Bank Accc Payment ayment Number Payment Docum	America N.A. bunt Currency: Type: All Sequence Num	12-NOV-18 12-NOV-18 Brand USD ( US I	SERVICES INC PERS LONG TERM CARE FRANCHISE TAX BOARD Payment ch: Los Angeles collar )  Supplier Name INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47 ORANGE COUNTY	2629 PASADENA  SACRAMENTO 1 Register Fo:  Disp.  Site  DIAMOND BAR 3	532.64  r 01-NOV-18 To Account: Check: Payment Curre lay Supplier Add: Payment Amount	30-NOV-18 ing AP and P ency: USD ( cess: No  Cleared Date	Report Date: 03- R Page: : US Dollar )	Negotiable -DEC-2018 15:
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393431 393432 RWD Ledger Upg BANK: Bank of Bank Accc Payment ayment Number Payment Docum 393433 393434 393435 393436 393437	America N.A. bunt Currency: Type: All Sequence Num	12-NOV-18 12-NOV-18 BrancusD ( US I  Date	SERVICES INC PERS LONG TERM CARE FRANCHISE TAX BOARD Payment ch: Los Angeles collar)  Supplier Name  INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKER: LOCAL 47 ORANGE COUNTY SHERIFF'S OFFICE CITY OF IRVINE Beltran, Benjamin Vega Bornhoff, Mike (Mike)	2629 PASADENA  SACRAMENTO 1 Register Fo:  Disp:  Site  DIAMOND BAR 3 4601 JAMBOREE	532.64 r 01-NOV-18 To Account: Check: Payment Curr lay Supplier Add: Payment Amount  1,400.00  224.50  9,847.52 30.62 290.00	30-NOV-18 ing AP and P ency: USD ( ress: No  Cleared Date  19-NOV-18	Report Date: 03-R Page: 1 US Dollar )  Cleared Amount  224.50  30.62	Negotiable -DEC-2018 15:7  Statu Negotiable Reconciled Negotiable Reconciled Negotiable
393431 393432 RWD Ledger Upg BANK: Bank of Bank Accc Payment ayment Number Payment Docum 393433 393434 393435 393436 393437	America N.A. bunt Currency: Type: All Sequence Num	12-NOV-18 12-NOV-18 BrancusD ( US I  Date	SERVICES INC PERS LONG TERM CARE FRANCHISE TAX BOARD Payment Ch: Los Angeles Collar )  Supplier Name  INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKER: LOCAL 47 ORANGE COUNTY SHERIFF'S OFFICE CITY OF IRVINE Beltran, Benjamin Vega Bornhoff, Mike	2629 PASADENA  SACRAMENTO 1 Register Fo:  Disp:  Site  DIAMOND BAR 3 4601 JAMBOREE	532.64  r 01-NOV-18 To Account: Check: Payment Currelay Supplier Add: Payment Amount  1,400.00  224.50 9,847.52 30.62	30-NOV-18 ing AP and P ency: USD ( ress: No  Cleared Date  19-NOV-18	Report Date: 03-R Page: 1 US Dollar )  Cleared Amount	Negotiable -DEC-2018 15:: 17 Statu Negotiable Reconciled Negotiable Reconciled
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393431 393432 RWD Ledger Up; BANK: Bank of Bank Accc Payment Payment Number Payment Docum 393433 393434 393435 393436 393437 393438 393439 393440	America N.A. bunt Currency: Type: All Sequence Num	Date	SERVICES INC PERS LONG TERM CARE FRANCHISE TAX BOARD  Payment ch: Los Angeles Dollar)  Supplier Name  INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKER: LOCAL 47 ORANGE COUNTY SHERIFF'S OFFICE CITY OF IRVINE Beltran, Benjamin Vega Bornhoff, Mike (Mike) Borowski, Michael (Mike) Bowers, Marie Cotton, Derrien	2629 PASADENA  SACRAMENTO 1 Register Fo:  Disp:  Site  DIAMOND BAR 3 4601 JAMBOREE	532.64 r 01-NOV-18 To Account: Check: Payment Curr lay Supplier Add: Payment Amount  1,400.00  224.50 9,847.52 30.62 290.00 456.02 52.20 146.26	30-NOV-18 ing AP and P ency: USD ( ress: No  Cleared Date  19-NOV-18	Report Date: 03-R Page: 1 US Dollar )  Cleared Amount  224.50  30.62	Negotiable -DEC-2018 15:7  Statu Negotiable Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable
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393431 393432 RWD Ledger Up; BANK: Bank of Bank Accc Payment Payment Number Payment Docum 393433 393434 393435 393436 393437 393438 393440 393440 393441 393442 393443 393445 393446 393447 393448	America N.A. unt Currency: : Type: All  Sequence Num	12-NOV-18 12-NOV-18 12-NOV-18 USD ( US I  Date	SERVICES INC PERS LONG TERM CARE FRANCHISE TAX BOARD Payment ch: Los Angeles Dollar)  Supplier Name  INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47 ORANGE COUNTY SHERIFF'S OFFICE CITY OF IRVINE Beltran, Benjamin Vega Bornhoff, Mike (Mike) Borowski, Michael (Mike) Borowski, Michael (Mike) Bowers, Marie Cotton, Derrien Drew, Michael A Ho, Connie Johnson, Dane Madrid, Adam McGehee, Joseph M (Joe) Messerlian, Barkev M Nicholson, Darin Seesangrit, Melody M	2629 PASADENA  SACRAMENTO 1 Register Fo:  Disp:  Site  DIAMOND BAR S 4601 JAMBOREE IRVINE 1	532.64 r 01-NOV-18 To Account: Check: Payment Currilay Supplier Addition 1,400.00  224.50 9,847.52 30.62 290.00 456.02 52.20 146.26 90.00 12.97 95.93 175.19 353.16 454.37 39.68 172.37	30-NOV-18 lng AP and P ency: USD ( ress: No  Cleared Date  19-NOV-18  19-NOV-18  20-NOV-18  27-NOV-18  27-NOV-18	Report Date: 03- R Page: 1 US Dollar)  Cleared Amount  224.50  30.62  456.02  146.26  95.93 175.19 353.16 454.37	Negotiable -DEC-2018 15:2 17  Status Negotiable Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled
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393431 393432  CRWD Ledger Upp BANK: Bank of Bank Accc Payment Number  Payment Number  Payment Docum 393433 393434 393436 393437 393438 393440 393440 393441 393442 393443 393446 393446 393447 393448 393449 393449	America N.A. unt Currency: : Type: All  Sequence Num	Date Date 12-NOV-18  Date 12-NOV-18  Date 12-NOV-18  14-NOV-18  15-NOV-18  15-NOV-18	SERVICES INC PERS LONG TERM CARE FRANCHISE TAX BOARD Payment ch: Los Angeles Dollar)  Supplier Name  INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47 ORANGE COUNTY SHERIFF'S OFFICE CITY OF IRVINE Beltran, Benjamin Vega Bornhoff, Mike (Mike) Borowski, Michael (Mike) Borowski, Michael (Mike) Borewski, Michael And, Connie Johnson, Dane Madrid, Adam McGehee, Joseph M (Joe) Messerlian, Barkev M Nicholson, Darin Seesangrit, Melody M ABOBAKER, MURHAF ADAM'S FALCONRY SERVICE, LLC	2629 PASADENA  SACRAMENTO 1 Register Fo:  Disp:  Site  DIAMOND BAR S 4601 JAMBOREE IRVINE 1	532.64 r 01-NOV-18 To Account: Check: Payment Currilay Supplier Addition 1,400.00  224.50 9,847.52 30.62 290.00 456.02 52.20 146.26 90.00 12.97 95.93 175.19 353.16 454.37 39.68 172.37 1,680.00	30-NOV-18 lng AP and P ency: USD ( ress: No  Cleared Date  19-NOV-18  20-NOV-18  20-NOV-18  21-NOV-18  27-NOV-18  27-NOV-18  19-NOV-18  19-NOV-18	Report Date: 03- R Page: 1 US Dollar )  Cleared Amount  224.50  30.62  456.02  146.26  95.93 175.19 353.16  454.37  39.68 172.37  1,680.00	Negotiable -DEC-2018 15:2 17  Status Negotiable Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled
393431 393432 IRWD Ledger Up; BANK: Bank of Bank Accc Payment Payment Number Payment Docum 393433 393434 393435 393436 393437 393438 393440 393441 393442 393443 393444 393445 393446 393447 393448 393449	America N.A. unt Currency: Type: All  Sequence Num The Control of	Date Date 12-NOV-18  USD ( US II  Date 12-NOV-18  12-NOV-18  14-NOV-18  15-NOV-18	SERVICES INC PERS LONG TERM CARE FRANCHISE TAX BOARD Payment ch: Los Angeles Collar)  Supplier Name  INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKER: LOCAL 47 ORANGE COUNTY SHERIFF'S OFFICE CITY OF IRVINE Beltran, Benjamin Vega Bornhoff, Mike (Mike) Borowski, Michael (Mike) Borowski, Michael (Mike) Bowers, Marie Cotton, Derrien Drew, Michael A HO, Connie Johnson, Dane Madrid, Adam McGehee, Joseph M (Joe) Meserlian, Barkev M Nicholson, Darin Seesangrit, Melody M ABOBAKER, MURHAF ADAM'S FALCONRY SERVICE, LLC AEGIS ENGINEERING MANAGEMENT, INC.	2629 PASADENA  SACRAMENTO 1 Register Fo:  Disp:  Site  DIAMOND BAR S 4601 JAMBOREE IRVINE 1	532.64 r 01-NOV-18 To Account: Check: Payment Curr. lay Supplier Add: Payment Amount 1,400.00 224.50 9,847.52 30.62 290.00 456.02 52.20 146.26 90.00 12.97 95.93 175.19 353.16 454.37 39.68 172.37	30-NOV-18 ing AP and P ency: USD ( ress: No  Cleared Date  19-NOV-18  20-NOV-18  20-NOV-18  21-NOV-18  21-NOV-18  27-NOV-18  27-NOV-18  19-NOV-18	Report Date: 03- R Page: 1 US Dollar)  Cleared Amount  224.50  30.62  456.02  146.26  95.93 175.19 353.16  454.37  39.68 172.37	Negotiable -DEC-2018 15:2 Status Negotiable Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled

393453 393454 393455 393456	15-NOV-18 15-NOV-18 15-NOV-18 15-NOV-18	AFLAC AIRGAS, INC. ALCATARA, KRISTINE ALL ANNAR	148.74 417.25 37.66 37.51	28-NOV-18 19-NOV-18	148.74 417.25	Reconciled Reconciled Negotiable Negotiable
393457	15-NOV-18	ALL STAR GLASS	924.02	19-NOV-18	924.02	Reconciled
393458	15-NOV-18	ALLIANCE RESOURCE	6,750.00	19-NOV-18	6,750.00	Reconciled
		CONSULTING LLC				
393459	15-NOV-18	AMAZON CAPITAL	113.68	19-NOV-18	113.68	Reconciled
		SERVICES, INC.				
393460	15-NOV-18	AMSELEM, WINSTON	20.00	20-NOV-18	20.00	Reconciled
393461	15-NOV-18	APEX LIFE	13,804.00	23-NOV-18	13,804.00	Reconciled
		SCIENCES, LLC				
393462	15-NOV-18	ARCADIS U.S., INC.	93,542.80	23-NOV-18	93,542.80	Reconciled
393463	15-NOV-18	ARMSTRONG, HAL	198.03	27-NOV-18	198.03	Reconciled
IRWD Ledger Upgrade		Payment Register Fo	r 01-NOV-18 To	30-NOV-18	Report Date: 03-	-DEC-2018 15:24
BANK: Bank of America N.A.	Branc	h : Los Angeles	Account: Check	ing AP and PR	Page:	L8
Bank Account Currency:	USD ( US I	ollar )	Payment Curr	ency: USD (US	Dollar )	
Payment Type: All		Disp	lay Supplier Add	ress: No		

ayment Number	Sequence Num Date	Supplier Name Site	Payment Amount	Cleared Date	Cleared Amount	Stat
	ent : IRWD CHECK	<del> </del>				
393464	15-NOV	7-18 AT&T	1,665.91	19-NOV-18	1,665.91	Reconciled
393465	15-NOV	7-16 ATET 7-18 ATHENS SERVICES	10,101.38	21-NOV-18		Reconcile
393466	15-NOV	7-18 AUSTIN HARDWOODS, INC	133.98	21-NOV-18	133.98	Reconcile
393467	15-NOV	7-18 AUTOZONE PARTS, INC.	1,376.65	20-NOV-18	1,376.65	Reconcile
393468	15-NOV	7-18 BATTERIES PLUS AND BATTERIES PLUS BULBS	779.01			Negotiabl
393469	15-NOV	7-18 BDC SPECIAL WASTE	372.00	19-NOV-18	372.00	Reconcile
393470	15-NO\	7-18 BELSHIRE ENVIRONMENTAL SERVICES, INC.	1,300.00	16-NOV-18	1,300.00	Reconcile
393471	15-NOV	7-18 BENSON, CONNIE	31.79	21-NOV-18	31.79	Reconcile
393472	15-NOV	7-18 BROOKFIELD HOMES SO. CALIF LLC	104.17	20-NOV-18	104.17	Reconcile
393473	15-NO\	7-18 BROOKFIELD RESIDENTIAL	22.96	20-NOV-18	22.96	Reconcile
393474	15-NOV	7-18 BROWN, CAITLYN	681.72	19-NOV-18	691.72	Reconcile
393475		7-18 BURKE, WILLIAMS & SORENSEN, LLP	260.00	19-NOV-18	260.00	Reconcile
393476	15-NOV	7-18 BURLINGTON SAFETY LABORATORY OF CALIFORNIA INC	199.78	16-NOV-18	199.78	Reconcile
193477	15-NOV	7-18 CALIFORNIA BARRICADE RENTAL, INC.	4,940.00	16-NOV-18	4,940.00	Reconcile
193478	15-NO\	7-18 CALIFORNIA PACIFIC HOMES	182.11	20-NOV-18	182.11	Reconcile
193479	15-NO\	7-18 CALIFORNIA STATE UNIVERSITY, FULLERTON	4,536.00	21-NOV-18	4,536.00	Reconcile
93480	15-NOV	7-18 CDB INVESTMENTS, L.P.	603.37	20-NOV-18	603.37	Reconcile
93481	15-NO\	7-18 CHEN, GIN SHEN	24.17			Negotiabl
393482		7-18 CHILDE, KEVIN	21.00	23-NOV-18	21.00	Reconcile
93483		7-19 CHRISTOS, DANIELA	29.29			Negotiabl
93484	15-NOV	7-18 CHU, CHUN-I	41.00			Negotiab:
193485		7-18 CHU, MIN H	3.89			Negotiab:
93486	15-NOV	7-18 CITY CIRCUIT BREAKERS	3,367.19	20-NOV-18	3,367.19	Reconcil
93487	15-NO\	7-18 CLEAN ENERGY	5,866.55	27-NOV-18	5,866.55	Reconcil
393488	15-NOV	7-18 COLONIAL LIFE & ACCIDENT INSURANCE CO.	1,103.26	28-NOV-18	1,103.26	Reconcile

IRWD Ledger Upgrade Payment Register For 01-NOV-18 To 30-NOV-18 Report Date: 03-DEC-2018 15:2

BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Page: 19

Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)

Payment Type: All Display Supplier Address: No

Payment Number Payment Docum	Sequence Num Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
393489	15-NOV-18	COMMUTER VAN CONVERSION AND MORE INC		1,962.38	20-NOV-18	1,962.38	Reconciled
393490	15-NOV-18	CONSTELLATION NEWENERGY, INC.		15,928.06	21-NOV-18	15,928.06	Reconciled
393491	15-NOV-18	CONSUMERS PIPE & SUPPLY CO.		933.24	19-NOV-18	933.24	Reconciled
393492	15-NOV-18	COUNTY OF ORANGE		8,745.75	23-NOV-18	8,745.75	Reconciled
393493	15-NOV-18	COYNE, PHILIP		700.00	19-NOV-18	700.00	Reconciled
393494	15-NOV-18	CR & R INCORPORATED		389.96	19-NOV-18	389.96	Reconciled
393495	15-NOV-18	CULLIGAN OF SANTA ANA		11,000.00	26-NOV-18	11,000.00	Reconciled
393496	15-NOV-18	CUSTOM TRUCK ONE		1,395.58	26-NOV-18	1,395.58	Reconciled

		SOURCE, L.P.					
393497	15-NOV-18	D & H WATER		724.21	19-NOV-18	724.21	Reconciled
		SYSTEMS INC.					
393498	15-NOV-18	DC FROST		4,509.82	20-NOV-18	4,509.82	Reconciled
		ASSOCIATES, INC.					
393499	15-NOV-18	DEE JASPAR &		151.56			Negotiable
		ASSOCIATES, INC.					
393500	15-NOV-18	DIVITA BUILDERS,		853.51	20-NOV-18	853.51	Reconciled
		INC.					
393501	15-NOV-18			454.38	20-NOV-18	454.38	Reconciled
		UNLIMITED					
393502	15-NOV-18	DUKE CULTURAL		1,191.25	16-NOV-18	1,191.25	Reconciled
		RESOURCES					
		MANAGEMENT, LLC					
393503		EILERS, AARON		290.00		0 405 70	Negotiable
393504	15-NOV-18	ENDRESS AND HAUSER		2,405.72	21-NOV-18	2,405.72	Reconciled
		INC		6 211 05	10 2777 10	6 211 25	Reconciled
393505	12-NOA-18	ENTERPRISE		6,311.25	19-NOV-18	6,311.25	Reconciled
202506	1 F NOT 10	SECURITY, INC		221 20	27-NOV-18	231.30	Reconciled
393506	12-1004-18	ENVIRONMENTAL EOUIPMENT SUPPLY		231.30	27-NUV-18	231.30	Reconciled
393507	15-NOV-10	ESL POWER SYSTEMS,		10,384.32	27-NOV-18	10,384.32	Reconciled
393307	13-1004-16	INC.		10,364.32	27-1101-10	10,364.32	Keconciled
393508	15-NOV-18	EXECUTIVE LIGHTING		1,393.21	20-NOV-18	1,393.21	Reconciled
393300	15 100 10	& ELECTRIC		1,000,21	20 1101 10	1,000121	110001101100
393509	15-NOV-18			243.18	16-NOV-18	243.18	Reconciled
233303	10 1101 10	ASSOCIATES		-,-,			
393510	15-NOV-18			340.83	19-NOV-18	340.83	Reconciled
393511		FIRST CHOICE		723.91	19-NOV-18	723.91	Reconciled
		SERVICES					
393512	15-NOV-18	FISERV		292.80	19-NOV-18	292.80	Reconciled
IRWD Ledger Upgrade		Payment 1	Register For	01-NOV-18 To	30-NOV-18	Report Date: 03-	-DEC-2018 15:24
BANK: Bank of America N.A.	Branc	h : Los Angeles	-	Account: Checki	ing AP and PR	Page:	20
Bank Account Currency:	USD ( US D	ollar )		Payment Curre	ency: USD ( U	JS Dollar )	
Payment Type: All			Displa	y Supplier Addr	cess: No		

ayment Number	Sequence Num	Date	Supplier Name Si	te Payment Amoun	Date	Cleared Amount	Status
Payment Docume							
393513		15-NOV-18	FLEET SOLUTIONS	4,530.50	20-NOV-18	4,530.50	Reconciled
393514		15-NOV-18	FOUGHT, CYNTHIA J.	119.49	19-NOV-18	119.49	Reconciled
393515			FRONTIER CALIFORNIA INC.	51.96	23-NOV-18	51.96	Reconciled
393516		15-NOV-18	FUENTESPINA, GERALDINE	87.08	21-NOV-18	87.08	Reconciled
393517		15-NOV-18	FUSCOE ENGINEERING, INC.	968.75	16-NOV-18	968.75	Reconciled
393518		15-NOV-18	GARCIA, LEONEL B	44.51	21-NOV-18	44.51	Reconciled
393519		15-NOV-10	GENTERRA CONSULTANTS INC	7,832.00	19-NOV-18	7,832.00	Reconciled
393520		15-NOV-18	GJ AUTOMOTIVE EQUIPMENT CO INC	764.83	23-NOV-18	764.83	Reconciled
393521			GRAINGER	3,996.26			Reconciled
393522		15-NOV-18	GRAYBAR ELECTRIC COMPANY	3,066.49	19-NOV-18	3,066.49	Reconciled
393523		15-NOV-18	HAAKER EQUIPMENT COMPANY	1,242.80	20-NOV-18	1,242.80	Reconciled
393524			HACH COMPANY	3,530.29		3,530.29	Reconciled
393525			HAMILTON, KURT	1,308.19		1,308.19	Reconciled
393526		15-NOV-18	HARMSWORTH ASSOCIATES	3,621.00		3,621.00	Reconciled
393527		15-NOV-18	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY	72.30	26-NOV-18	72,30	Reconciled
393528		15-NOV-18	HARVARD COURT APARTMENTS	111.21	26-NOV-18	111.21	Reconciled
393529		15-NOV-18	HELP/SYSTEMS, LLC	400.00	19-NOV-18	400.00	Reconciled
393530		15-NOV-18	HELPMATES STAFFING SERVICES	25,405.74	21-NOV-18	25,405.74	Reconciled
393531		15-NOV-18	HILL BROTHERS CHEMICAL COMPANY	10,753.75			Negotiable
393532		15-NOV-18	HOME DEPOT USA INC	1,202.28	19-NOV-18	1,202.28	Reconciled
393533		15-NOV-18	HSIAOFANGYEN, LILY	15.65			Negotiable
393534		15-NOV-18	INTEGRITY MUNICIPAL SERVICES LLC	2,045.00	28-NOV-18	2,045.00	Reconciled
393535		15-NOV-18	IRON MOUNTAIN INFORMATION MANAGEMENT INC	1,691.39	19-NOV-18	1,691.39	Reconciled
393536		15-NOV-18	IRVINE PACIFIC	132.15	27-NOV-18	132.15	Reconciled
393537		15-NOV-18	IRVINE PIPE & SUPPLY INC	1,693.21	16-NOV-18	1,693.21	Reconciled
393538		15-NOV-18	IRWD-PETTY CASH CUSTODIAN	733.86	20-NOV-18		
RWD Ledger Upgr	ade		Payment Reg	ister For 01-NOV-18 To			-DEC-2018 15:2
			ch : Los Angeles	Account: Chec			21
Bank Accou			Dollar )	Payment Cur: Display Supplier Add	rency: USD ( iress: No	US Dollar )	

Cleared

	Sequence Num Date	Supplier Name Site	2		Cleared Amount	Status
	ent : IRWD CHECK					
393539		JIANG, HONG	45.48			Negotiable
393540		JIG CONSULTANTS	12,530.00	10 11011 10	40.45	Negotiable
393541		KAPITANOV, IVAN	40.45 37.47	19-NOV-18 28-NOV-18	40.45 37.47	Reconciled Reconciled
393542 393543		KAUFMAN, MASAKO I KAYUGA SOLUTION	23,915.00	21-NOV-18	23,915.00	Reconciled
333343	13-1404-18	INC	23,313.00	21 800 10	23,313.00	Reconciled
393544	15-NOV-18	KENT & AMY DAHLBERG	45,220.00	26-NOV-18	45,220.00	Reconciled
393545	15-NOV-18	KIM, SUNG	11.68			Negotiable
393546		KIMBALL MIDWEST	2,950.92	19-NOV-18	2,950.92	Reconciled
393547	15-NOV-18	LANDCARE HOLDINGS,	520,00	19-NOV-18	520.00	Reconciled
393548	15-NOV-18	INC. LEFTWICH, ROBIN	17.16			Negotiable
393549		LENNAR HOMES	174.97	26-NOV-18	174.97	Reconciled
393550		LI, GUIXIA	21,69			Negotiable
393551		LI, SHUJIE	31.04			Negotiable
393552		LIM, EDDY	38.90	10 1017 10	6 356 05	Negotiable
393553	15-NOV-18	CORPORATION	6,756.25	19-NOV-18	6,756.25	Reconciled
393554	15-NOV-18	LIU, KAIWEN	24.49	19-NOV-18	24,49	Reconciled
393555		LONE STAR BLOWER,	16,366.71	28-NOV-18	16,366.71	Reconciled
		INC	•		•	
393556	15-NOV-18	LU JIANG AND PULSC	280.91			Negotiable
		GROUP LLC				
393557		MADORSKY, RACHEL	210.41 383.86	22 NOV 10	383.86	Negotiable Reconciled
393558	12-1004-18	MAJIBZADEH, ALIREZA	303.00	23-NOV-18	303.00	Reconciled
393559	15-NOV-18	MARTIN, AARON	131.77	16-NOV-18	131.77	Reconciled
393560		MC FADDEN-DALE	193.47	19-NOV-18	193.47	Reconciled
		INDUSTRIAL				
393561	15-NOV-18	MC MASTER CARR	1,701.39	19-NOV-18	1,701.39	Reconciled
202562	15-NOV-18	SUPPLY CO	25,392.59	19-NOV-18	25,392.59	Reconciled
393562	12-1004-19	PETROLEUM, INC.	23,392.39	13-1404 -10	23,332.33	Keconciled
393563	15-NOV-18	MICHAEL BAKER	5,427.01	19-NOV-18	5,427.01	Reconciled
		INTERNATIONAL,				
		INC.				
393564	15-NOV-18		1,126.80	21-NOV-18	1,126.80	Reconciled
		COMMUNICATIONS,				
393565	15-NOV-18	MOBILE MODULAR	1,212.19	19-NOV-18	1,212.19	Reconciled
333000	10 1101 10	MANAGEMENT	-,		-,	
		CORPORATION				
393566		MR CRANE INC	1,063.80	19-NOV-18	1,063.80	Reconciled
393567	15-NOV-18	MSC INDUSTRIAL	292.16	23-NOV-18	292.16	Reconciled
TD700 T 1 77		SUPPLY CO				DEG 2010 15-24
Bank Accor		SUPPLY CO Payment Regi: ch : Los Angeles	ster For 01-NOV-18 To	30-NOV-18 ing AP and PR ency: USD (	Report Date: 03- Page: 2	-DEC-2018 15:24 22
BANK: Bank of i Bank Acco Payment	America N.A. Brand unt Currency: USD ( US I Type: All	SUPPLY CO Payment Reginate : Los Angeles Sollar )	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add	30-NOV-18 ing AP and PR ency: USD ( ress: No	Report Date: 03- Page: 2 US Dollar )	
BANK: Bank of ABANK According Payment	America N.A. Brandunt Currency: USD ( US I Type: All	SUPPLY CO Payment Registry Ch : Los Angeles Collar )  Supplier Name Sit-	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date	Report Date: 03- Page: 2 US Dollar )	22 Status
BANK: Bank of Bank Accor Payment	America N.A. Brandunt Currency: USD ( US I Type: All	SUPPLY CO Payment Reginate : Los Angeles Sollar )	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date	Report Date: 03- Page: 2 US Dollar )	22
BANK: Bank of Bank According Payment Number Payment Document Payment Document Docume	America N.A. Brand unt Currency: USD ( US I Type: All Sequence Num Date	SUPPLY CO Payment Reginer   Ch : Los Angeles   Collar )  Supplier Name Site	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date	Report Date: 03- Page: 2 US Dollar )	Status
BANK: Bank of Bank Accor Payment	America N.A. Brand unt Currency: USD ( US I Type: All Sequence Num Date	SUPPLY CO Payment Registry Control of the Control o	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date	Report Date: 03- Page: 2 US Dollar )	22 Status
BANK: Bank of Bank According Payment Number  Payment Number  Payment Document 393568	America N.A. Branc unt Currency: USD ( US I Type: All Sequence Num Date ent : IRWD CHECK 15-NOV-18	SUPPLY CO Payment Reginate to the Los Angeles collar )  Supplier Name Site  MUGLIA-ARIAS, IRVING	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add e Payment Amount	30-NOV-18 ing AP and PR ency: USD ( ress: No Cleared Date	Report Date: 03- Page: 2 US Dollar )  Cleared Amount	Status Negotiable
BANK: Bank of Bank According Payment Number Payment Document Payment Document Docume	America N.A. Branc unt Currency: USD ( US I Type: All Sequence Num Date ent : IRWD CHECK 15-NOV-18	SUPPLY CO Payment Reginer Los Angeles collar )  Supplier Name Site MUGLIA-ARIAS, IRVING MUNICIPAL	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add	30-NOV-18 ing AP and PR ency: USD ( ress: No Cleared Date	Report Date: 03- Page: 2 US Dollar )	Status
BANK: Bank of Bank According Payment Number  Payment Number  Payment Document 393568	America N.A. Branc unt Currency: USD ( US I Type: All Sequence Num Date ent : IRWD CHECK 15-NOV-18	SUPPLY CO Payment Reginate to the Los Angeles collar )  Supplier Name Site  MUGLIA-ARIAS, IRVING	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add  Payment Amount  14.67  1,025.27	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount	Status Negotiable Reconciled
BANK: Bank of Bank According Payment Number  Payment Number  Payment Document 393568	America N.A. Branc unt Currency: USD ( US I Type: All Sequence Num Date ent : IRWD CHECK 15-NOV-18	SUPPLY CO Payment Register I Los Angeles collar )  Supplier Name Sitter MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add e Payment Amount	30-NOV-18 ing AP and PR ency: USD ( ress: No Cleared Date	Report Date: 03- Page: 2 US Dollar )  Cleared Amount	Status Negotiable
BANK: Bank of Bank According Payment Number  Payment Number  Payment Document 393568	America N.A. Brand unt Currency: USD ( US I Type: All Sequence Num Date ent : IRWD CHECK 15-NOV-18	SUPPLY CO Payment Register : Los Angeles collar )  Supplier Name Sit- MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add  Payment Amount  14.67  1,025.27	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18	Report Date: 03-Page: 2 US Dollar )  Cleared Amount  1,025.27	Status Negotiable Reconciled
Payment Number  Payment Docume 393568 393570	America N.A. Brandunt Currency: USD ( US I Type: All  Sequence Num Date  ent : IRWD CHECK  15-NOV-18  15-NOV-18	SUPPLY CO Payment Register: Ch: Los Angeles Collar )  Supplier Name Site MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add  Payment Amount  14.67  1,025.27  3,850.00	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount 1,025.27 3,850.00	Status Negotiable Reconciled Reconciled
BANK: Bank of Bank According Payment Number  Payment Number  Payment Document 393568	America N.A. Brand unt Currency: USD ( US I Type: All Sequence Num Date ent : IRWD CHECK 15-NOV-18	SUPPLY CO Payment Register I. Los Angeles collar )  Supplier Name Sitter MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add  Payment Amount  14.67  1,025.27	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18	Report Date: 03-Page: 2 US Dollar )  Cleared Amount  1,025.27	Status Negotiable Reconciled
Payment Number  Payment Docume 393568 393570	America N.A. Brandunt Currency: USD ( US I Type: All  Sequence Num Date  ent : IRWD CHECK  15-NOV-18  15-NOV-18	SUPPLY CO Payment Register : Los Angeles collar )  Supplier Name Sit- MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add  Payment Amount  14.67  1,025.27  3,850.00	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount 1,025.27 3,850.00	Status Negotiable Reconciled Reconciled
Payment Number  Payment Docume 393568 393570	America N.A. Brandunt Currency: USD ( US I Type: All  Sequence Num Date  ent : IRWD CHECK  15-NOV-18  15-NOV-18	SUPPLY CO Payment Register I. Los Angeles collar )  Supplier Name Sitter MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add  Payment Amount  14.67  1,025.27  3,850.00	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount 1,025.27 3,850.00	Status Negotiable Reconciled Reconciled
Payment Number  Payment Docume 393568 393570	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date  ent : IRWD CHECK  15-NOV-18  15-NOV-18  15-NOV-18	SUPPLY CO Payment Register: Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO.	ster For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add  Payment Amount  14.67  1,025.27  3,850.00  9,257.00  1,622.29	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29	Status  Negotiable Reconciled Reconciled Reconciled Reconciled
Payment Number  Payment Number  Payment Docume 393568 393569 393570 393571 393572 393573	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date  ent: IRWD CHECK  15-NOV-18  15-NOV-18  15-NOV-18  15-NOV-18  15-NOV-18	SUPPLY CO Payment Registed: The Los Angeles Collar )  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTEMANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO. NIGUEL POINT PROP	ster For 01-NOV-18 To	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  20-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00	Status Negotiable Reconciled Reconciled Reconciled Reconciled Reconciled
Payment Number  Payment Number  Payment Docume 393568 393570 393571 393572 393573 393573	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date	SUPPLY CO Payment Registed: Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCETE CO. NIGUEL POINT PROP NINYO & MOORE	14.67 2,29 2,5,00 5,436.25	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  20-NOV-18  19-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25	Status  Negotiable Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled
Payment Number Payment Number Payment Docum 393568 393569 393570 393571 393572 393573 393574 393575	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date  15-NOV-18	SUPPLY CO Payment Register: Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC	14.67 257.00 257.00 259.00 259.00 259.00 259.00 259.00	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  20-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00	Status  Negotiable Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled
Payment Number  Payment Number  Payment Docume 393568 393570 393571 393572 393573 393573	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date	SUPPLY CO Payment Registed: Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTEMANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC O.C. SUPERIOR	14.67 2,29 2,5,00 5,436.25	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  20-NOV-18  19-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25	Status  Negotiable Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled
Payment Number Payment Number Payment Docume 393568 393569 393570 393571 393572 393573 393574 393575	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date  15-NOV-18	SUPPLY CO Payment Register: Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC	14.67 2,29 2,500 3,600.00	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  20-NOV-18  19-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25	Status  Negotiable Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled
Payment Number Payment Number Payment Docume 393568 393569 393570 393571 393572 393573 393574 393575	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date  ent: IRWD CHECK  15-NOV-18	SUPPLY CO Payment Registed: Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC O.C. SUPERIOR CUSTOM CLEANING	ster For 01-NOV-18 To	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18 19-NOV-18 19-NOV-18 19-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25 520.00  20,331.80	Status Negotiable Reconciled
Payment Number  Payment Number  Payment Docum 393568 393569 393570 393571 393572 393573 393574 393575 393576	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date  15-NOV-18	SUPPLY CO Payment Registed: Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC O.C. SUPERIOR CUSTOM CLEANING SERVICES OLIN CORPORATION ONESOURCE	14.67 2,29 2,500 3,600.00	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  20-NOV-18  19-NOV-18  19-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25 520.00	Status  Negotiable Reconciled
Payment Number  Payment Number  Payment Docume 393568 393569 393570 393571 393572 393573 393574 393575 393576	America N.A. Brancunt Currency: USD ( US I Type: All  Sequence Num Date  Ent : IRWD CHECK  15-NOV-18	SUPPLY CO Payment Registed: Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC O.C. SUPERIOR CUSTOM CLEANING SERVICES OLIN CORPORATION ONESOURCE DISTRIBUTORS LLC	14.67 1,025.27 3,850.00 9,257.00 1,622.29 25.00 5,436.25 520.00 3,600.00 20,331.80 534.42	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  20-NOV-18  19-NOV-18  19-NOV-18  26-NOV-18  19-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25 520.00  20,331.80 534.42	Negotiable Reconciled
Payment Number  Payment Number  Payment Docume 393568 393569 393570 393571 393572 393573 393574 393575 393576	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date  ent: IRWD CHECK  15-NOV-18	SUPPLY CO Payment Registed: Ch: Los Angeles Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTEMANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC O.C. SUPERIOR CUSTOM CLEANING SERVICES OLIN CORPORATION OMESOURCE DISTRIBUTORS LLC ORANGE COUNTY AUTO	ster For 01-NOV-18 To	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18 19-NOV-18 19-NOV-18 19-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25 520.00  20,331.80	Status Negotiable Reconciled
Payment Number  Payment Number  Payment Docume 393568 393569 393570 393571 393572 393573 393574 393575 393576	America N.A. Brancunt Currency: USD ( US I Type: All  Sequence Num Date  Ent : IRWD CHECK  15-NOV-18	SUPPLY CO Payment Registed: Ch: Los Angeles Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC O.C. SUPERIOR CUSTOM CLEANING SERVICES OLIN CORPORATION ONESOURCE DISTRIBUTORS LLC ORANGE COUNTY AUTO PARTS CO	14.67 1,025.27 3,850.00 9,257.00 1,622.29 25.00 5,436.25 520.00 3,600.00 20,331.80 534.42	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  20-NOV-18  19-NOV-18  19-NOV-18  26-NOV-18  19-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25 520.00  20,331.80 534.42	Negotiable Reconciled
Payment Number  Payment Number  Payment Docume 393568 393569 393570 393571 393572 393573 393574 393575 393576 393577 393578	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date	SUPPLY CO Payment Registed: Ch: Los Angeles Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTEMANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC O.C. SUPERIOR CUSTOM CLEANING SERVICES OLIN CORPORATION OMESOURCE DISTRIBUTORS LLC ORANGE COUNTY AUTO	14.67 25.27 25.00 26.229 25.00 26.331.80 26.343.42 29.91	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  26-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25 520.00  20,331.80 534.42 799.91	Status  Negotiable Reconciled
Payment Number  Payment Number  Payment Docume 393568 393569 393570 393571 393572 393573 393574 393575 393576 393577 393578	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date	SUPPLY CO Payment Registed: Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC O.C. SUPERIOR CUSTOM CLEANING SERVICES OLIN CORPORATION ONESOURCE DISTRIBUTORS LLC ORANGE COUNTY SANITATION DISTRICT	14.67 1,025.27 3,850.00 9,257.00 1,622.29 25.00 5,436.25 520.00 3,600.00 20,331.80 534.42 799.91 1,843.09	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  26-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25 520.00  20,331.80 534.42 799.91 1,843.09	Status  Negotiable Reconciled
Payment Number  Payment Number  Payment Docume 393568 393569 393570 393571 393572 393573 393574 393575 393576 393577 393578	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date	SUPPLY CO Payment Registed: Ch: Los Angeles Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC O.C. SUPERIOR CUSTOM CLEANING SERVICES OLIN CORPORATION OMESOURCE DISTRIBUTORS LLC ORANGE COUNTY AUTO PARTS CO ORANGE COUNTY SANITATION DISTRICT PACIFIC HYDROTECH	14.67 25.27 25.00 26.229 25.00 26.331.80 26.343.42 29.91	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  26-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25 520.00  20,331.80 534.42 799.91	Status  Negotiable Reconciled
Payment Number  Payment Number  Payment Docume 393568 393569 393570 393571 393572 393573 393574 393575 393576 393577 393578 393579 393580	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date  ent: IRWD CHECK  15-NOV-18	SUPPLY CO Payment Reginer : Los Angeles ch : Los Angeles	14.67 1,025.27 3,850.00 9,257.00 1,622.29 25.00 5,436.25 520.00 3,600.00 20,331.80 534.42 799.91 1,843.09	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  26-NOV-18  19-NOV-18  16-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25 520.00  20,331.80 534.42 799.91 1,843.09  31,102.63	Status Negotiable Reconciled
Payment Number  Payment Number  Payment Docume 393568 393570 393571 393572 393573 393574 393575 393576 393577 393578 393579	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date	SUPPLY CO Payment Registed: Ch: Los Angeles Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC O.C. SUPERIOR CUSTOM CLEANING SERVICES OLIN CORPORATION OMESOURCE DISTRIBUTORS LLC ORANGE COUNTY AUTO PARTS CO ORANGE COUNTY SANITATION DISTRICT PACIFIC HYDROTECH	14.67 1,025.27 3,850.00 9,257.00 1,622.29 25.00 5,436.25 520.00 3,600.00 20,331.80 534.42 799.91 1,843.09	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  26-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25 520.00  20,331.80 534.42 799.91 1,843.09	Status  Negotiable Reconciled
Payment Number  Payment Number  Payment Docume 393568 393569 393570 393571 393572 393574 393575 393576 393577 393578 393579 393580	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date  ent: IRWD CHECK  15-NOV-18	SUPPLY CO Payment Registed: Ch: Los Angeles Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC O.C. SUPERIOR CUSTOM CLEANING SERVICES OLIN CORPORATION ONESOURCE DISTRIBUTORS LLC ORANGE COUNTY SANITATION DISTRICT PACIFIC HYDROTECH CORPORATION PACIFIC HYDROTECH	14.67 1,025.27 3,850.00 9,257.00 1,622.29 25.00 5,436.25 520.00 3,600.00 20,331.80 534.42 799.91 1,843.09	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  26-NOV-18  19-NOV-18  16-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25 520.00  20,331.80 534.42 799.91 1,843.09  31,102.63	Status Negotiable Reconciled
Payment Number  Payment Number  Payment Docume 393568 393569 393570 393571 393572 393573 393574 393575 393576 393577 393578 393579 393580 393581 393582	America N.A. Brand unt Currency: USD ( US I Type: All  Sequence Num Date	SUPPLY CO Payment Registed: Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATEN DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC O.C. SUPERIOR CUSTOM CLEANING SERVICES OLIN CORPORATION ONESOURCE DISTRIBUTORS LLC ORANGE COUNTY SANITATION DISTRICT PACIFIC HYDROTECH CORPORATION	14.67 1,025.27 3,850.00 9,257.00 1,622.29 25.00 5,436.25 520.00 3,600.00 20,331.80 534.42 799.91 1,843.09 31,102.63 14,714.70 870,529.17	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  16-NOV-18  16-NOV-18  16-NOV-18  23-NOV-18  23-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00 5,436.25 520.00  20,331.80 534.42 799.91 1,843.09  31,102.63 14,714.70 870,529.17	Status  Negotiable Reconciled
Payment Number  Payment Number  Payment Docume 393568 393569 393570 393571 393572 393573 393574 393575 393576 393577 393576 393577 393578 393579 393580	America N.A. Brancunt Currency: USD ( US I Type: All  Sequence Num Date  Ent : IRWD CHECK  15-NOV-18  15-NOV-18	SUPPLY CO Payment Registed: Ch: Los Angeles Collar)  Supplier Name Sit.  MUGLIA-ARIAS, IRVING MUNICIPAL MAINTENANCE EQUIPMENT INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL UNDERGROUND SERVICES INC MUNICIPAL WATEN DISTRICT OF ORANGE COUNTY NATIONAL READY MIXED CONCRETE CO. NIGUEL POINT PROP NINYO & MOORE NOVACOAST INC O.C. SUPERIOR CUSTOM CLEANING SERVICES OLIN CORPORATION ONESOURCE DISTRIBUTORS LLC ORANGE COUNTY SANITATION DISTRICT PACIFIC HYDROTECH CORPORATION	14.67 1,025.27 3,850.00 9,257.00 1,622.29 25.00 5,436.25 520.00 3,600.00 20,331.80 534.42 799.91 1,843.09 31,102.63 14,714.70	30-NOV-18 ing AP and PR ency: USD ( ress: No  Cleared Date  26-NOV-18  16-NOV-18  19-NOV-18  20-NOV-18  19-NOV-18  19-NOV-18  19-NOV-18  16-NOV-18  16-NOV-18  26-NOV-18  16-NOV-18  23-NOV-18	Report Date: 03- Page: 2 US Dollar )  Cleared Amount  1,025.27  3,850.00  9,257.00  1,622.29  25.00  5,436.25 520.00  20,331.80 534.42 799.91 1,843.09  31,102.63 14,714.70	Negotiable Reconciled

		DOCUMENT					
393585 393586		DESTRUCTION LLC PARKHOUSE TIRE INC PASCAL & LUDWIG		140.61 154,531.96	20-NOV-18	140.61	Reconciled Negotiable
393587	15-NOV-18	CONSTRUCTORS PASCAL & LUDWIG		8,133.26	19-NOV-18	8,133.26	Reconciled
393588	15-NOV-18	CONSTRUCTORS PMC ENGINEERING		3,642.44	19-NOV-18	3,642.44	Reconciled
393589 393590		PONNUCHAMY, KARTHI PRE-PAID LEGAL		1,990.00 1,212.00	20-NOV-18	1,990.00	Reconciled Negotiable
IRWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency Payment Type: All		h : Los Angeles		For 01-NOV-18 To Account: Check Payment Curr isplay Supplier Add	ing AP and F ency: USD (		-DEC-2018 15:24
Payment Number Sequence Nu		Supplier Name	Site	Payment Amount		Cleared Amount	Status
Payment Document : IRWD C							
393591	15-NOV-18	PRO MOBILE AUTO		600.00	20-NOV-18	600.00	Reconciled
393592	15-NOV-18	DETAILING PROCARE WORK		7,515.00	20-NOV-18	7,515.00	Reconciled
393593	15-NOV-18	INJURY CENTER PRUDENTIAL OVERALL		5,364.52	19-NOV-18	5,364.52	Reconciled
393594 393595	15-NOV-18 15-NOV-18	SUPPLY PSOMAS QUACKENBUSH,		818.02 19.36	19-NOV-18	818.02	Reconciled Negotiable
393596 393597		JENNIFER R.J. NOBLE COMPANY RAINBOW DISPOSAL		326.05 28.39	19-NOV-18 21-NOV-18	326.05 28.39	Reconciled Reconciled
393598	15-NOV-18	CO INC		9,646.16	19-NOV-18	9,646.16	Reconciled
393599		ENGINEERING INC		11,850.00			Negotiable
393600		CONSULTANTS INC. RENTOKIL NORTH		165.00	21-NOV-18	165.00	Reconciled
393601	15-NOV-18	AMERICA, INC RLG ENTERPRISES,		734.10	16-NOV-18	734.10	Reconciled
393602	15-NOV-18	INC ROSEDALE - RIO BRAVO WATER		47,236.44			Negotiable
393603	15-NOV-18	STORAGE DISTRICT ROYAL INDUSTRIAL		1,698.42	19-NOV-18	1,698.42	Reconciled
393604	15-NOV-18	SOLUTIONS SAFETY-KLEEN		277.75	19-NOV-18	277.75	Reconciled
393605	15-NOV-18	SYSTEMS, INC SALA, VASILIKI		29.27			Negotiable
393606 393607	15-NOV-18 15-NOV-18	SANDERS PAVING INC SANTA ANA BLUE		17,656.25 162.71	27-NOV-18 20-NOV-18	17,656.25 162.71	Reconciled Reconciled
393608	15-NOV-18	PRINT SANTA MARGARITA		690.05	26-NOV-18	690.05	Reconciled
393609	15-NOV-18			850.00	19-NOV-18	850.00	Reconciled
393610	15-NOV-18	PROCESSES INC SEVEN GABLES PROPERTY		41.58	19-NOV-18	41.58	Reconciled
393611	15-NOV-18	MANAGEMENT SHERWIN WILLIAMS		2,109.10	23-NOV-18	2,109.10	Reconciled
393612	15-NOV-18	COMPANY SIMI VALLEY LANDFILL AND		264.10	19-NOV-18	264.10	Reconciled
393613	15-NOV-18	RECYCLING CENTER SNYDER LANGSTON		667.50			Negotiable
IRWD Ledger Upgrade		L.P. Payment	Register	For 01-NOV-18 To	30-NOV-18	Report Date: 03-	-DEC-2018 15:24
BANK: Bank of America N.A. Bank Account Currency Payment Type: All		h : Los Angeles		Account: Check Payment Curr isplay Supplier Add	ing AP and E ency: USD (		24
Payment Number Sequence Nu	n Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD C					~~~~~~		
393614	15-NOV-18	SOUTH COAST AIR QUALITY MANAGEMENT		2,435.91	28-NOV-18	2,435.91	Reconciled
393615	15-NOV-18	DISTRICT SOUTH COAST WATER		90.00	21-NOV-18	90.00	Reconciled
393616	15-NOV-18	CO. SOUTHERN CALIFORNIA EDISON		302,742.13	20-NOV-18	302,742.13	Reconciled
393617	15-NOV-18	COMPANY SOUTHERN CALIFORNIA GAS		4,835.20	20-NOV-18	4,835.20	Reconciled
393618	15-NOV-18	COMPANY SPARKLETTS	12	231.50	23-NOV-18	231.50	Reconciled
393619 393620	15-NOV-18	SPATIAL WAVE, INC. STACY GARNER AND DANIELA PEREZ LOZADA		1,387.50 48.92	16-NOV-18	1,387.50	Reconciled Negotiable

393621	15-NOV-18	STANDARD REGISTER,		2,635.92	19-NOV-18	2,635.92	Reconciled
393622	15-NOV-18	INC. STANTEC CONSULTING	3	7,125.00	19-NOV-18	7,125.00	Reconciled
393623	15-NOV-18	SERVICES INC. STETSON ENGINEERS		12,394.98	21-NOV-18	12,394.98	Reconciled
393624	15-NOV-18	INC. SUEZ TREATMENT		19,531.63	26-NOV-18	19,531.63	Reconciled
393625	15-NOV-18	SOLUTIONS INC. SUN, JINGOING		37.76	27-NOV-18	37.76	Reconciled
393626	15-NOV-18	T.E. ROBERTS, INC.		58,425.00			Negotiable
393627 393628		TASHIRO, CAROLYN THERMO ELECTRON		55.00 7,507.10	21-NOV-18 19-NOV-18	55.00 7,507.10	Reconciled Reconciled
033020	13 1107 10	NORTH AMERICA LLC		7,507,10	15-NOV-10	7,307.10	Reconciled
393629	15-NOV-18	TIC-OFFICE PROPERTIES		435.07	26-NOV-18	435.07	Reconciled
393630		TOLL BROS., INC.		398.57	20-NOV-18	398.57	Reconciled
393631	15-NOV-18	TOP TEN REAL ESTATE INC		50.04			Negotiable
393632	15-NOV-18	TOTAL RESOURCE MANAGEMENT, INC.		4,675.04	21-NOV-18	4,675.04	Reconciled
393633		TOTALFUNDS		4,000.00	19-NOV-18	4,000.00	Reconciled
393634		TRAN, TRI DI		670.41	16-NOV-18	670.41	Reconciled
393635		TRI POINTE HOMES, INC.		406.19			Negotiable
393636	15-NOV-18	TROPICAL PLAZA NURSERY INC		416.56	19-NOV-18	416.56	Reconciled
393637		TRUCPARCO		67.56	21-NOV-18	67.56	Reconciled
393638	15-NOV-18	TURNER ROYALTY, LLC		4,920.20	19-NOV-18	4,920.20	Reconciled
IRWD Ledger Upgrade			Register For	01-NOV-18 To		Report Date: 03-	
BANK: Bank of America N.A.		h : Los Angeles		Account: Checki			5
Bank Account Currency: Payment Type: All	: USD ( US I	Oollar )	Displ	Payment Curre ay Supplier Addr	ency: USD ( US ess: No	; Dollar )	
Payment Number Sequence Num	n Data	Supplier Name	Site	Payment Amount	Cleared	Cleared Amount	Status
rayment Number Sequence Num		orbbiter Name	DILE	rayment Amount		Cleared Amount	Status
Payment Document : IRWD CH	HECK						

	Sequence Num Date	Supplier Name	Site	Payment Amount		Cleared Amount	Status
	ent : IRWD CHECK				******		
393639	15-NOV-18	UNITED PARCEL SERVICE INC		40.40	19-NOV-18	40.40	Reconciled
393640	15-NOV-18			665.15	20-NOV-18	665.15	Reconciled
393641	15-NOV-18			5,343.30	19-NOV-18	5,343,30	Reconciled
393642	15-NOV-18		E	2,174.14	15 NOV 10	3,343,30	Negotiable
393643	15-NOV-18	US BANK NAT'L ASSOC N.DAKOTA		1,375.00	20-NOV-18	1,375.00	Reconciled
393644	15-NOV-18	VILLA SIENA APTS		10,986.55	26-NOV-18	10,986.55	Reconciled
393645	15-NOV-18	VILLAGE AT PARK PLACE		735.67		,	Negotiable
393646	15-NOV-18	WANG, HUILAN		41.90			Negotiable
393647	15-NOV-18	WASTE MANAGEMENT OF ORANGE COUNTY		367.26	19-NOV-18	367.26	Reconciled
393648	15-NOV-18	OPTIMIZATION, INC		1,920.00	27-NOV-18	1,920.00	Reconciled
393649	15-NOV-18	WATERSMART SOFTWARE, INC		13,597.50	21-NOV-18	13,597.50	Reconciled
393650	15-NOV-18	WATKINS, ROBERT		66.03	26-NOV-18	66.03	Reconciled
393651	15-NOV-18	WAXIE'S ENTERPRISES, INC		281.13	19-NOV-18	281.13	Reconciled
393652	15-NOV-18			85.00			Negotiable
393653	15-NOV-18	WHITE, TODD		70.21	19-NOV-18	70.21	Reconciled
393654	15-NOV-18	WILLIAM LYON HOMES, INC.		11.73			Negotiable
393655	15-NOV-18	WIRELESS WATCHDOGS, LLC		1,016.00	27-NOV-18	1,016.00	Reconciled
393656	15-NOV-18	WONG, ERNEST		42.85	23-NOV-18	42.85	Reconciled
393657	15-NOV-18			815.42	19-NOV-18	815.42	Reconciled
393658	15-NOV-18	WU, LINGLING		62.42			Negotiable
393659	15-NOV-18			19.78	26-NOV-18	19.78	Reconciled
393660		XING, JIE		31.70	27-NOV-18	31.70	Reconciled
393661	15-NOV-18	YI, RANDY		450.00	19-NOV-18	450.00	Reconciled
393662		YILING CHEN AND ZHIWU YU		29.83	23-NOV-18	29.83	Reconciled
393663	20-NOV-18	CHEMICALS INC	NEWARK	2,494.30	27-NOV-18	2,494.30	Reconciled
393664	20-NOV-18	ANTHEM BLUE CROSS	LOS ANGELES	214.68	26-NOV-18	214.68	Reconciled
393665	20-NOV-18	ANTHEM BLUE CROSS	LOS ANGELES	290.43	26-NOV-18	290.43	Reconciled
393666	20-NOV-18	ANTHEM BLUE CROSS	LOS ANGELES	546.33	26-NOV-18	546.33	Reconciled
		h : Los Angeles		For 01-NOV-18 To Account: Checki Payment Curre isplay Supplier Addr	ing AP and PR ency: USD (		DEC-2018 15:2

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NOV-18 RO LL NOV-18 RE AS NOV-18 RE LI CO NOV-18 CA AN NOV-18 CA AN NOV-18 PE CA NOV-18 OR SH NOV-18 FR NOV-18 IN	ACH EMPLOYEE SISTANCE INC LITANCE STANDARD FE INSURANCE MPANY LLEBRECHT, RREN K LLIFORNIA IPPARTMENT OF TAX ID FEE MINISTRATION IRS LONG TERM RE LANGE COUNTY LERIFF'S OFFICE LANCHISE TAX LARD LARD LARD LARD LARD LARD LERIFFIS OFFICE LANCHISE TAX LARD LARD LERIFIS TAX LARD LERIFFIS OFFICE LANCHISE TAX LARD LERIFIS LANCHISE LAN	ANGELES purchase PLACENTIA	546.33 20,700.00 1,038.80 30,778.71 395.25 1,685.00 538.89 224.50 150.00	26-NOV-18 27-NOV-18 28-NOV-18 26-NOV-18	1,038.80 30,778.71 395.25	Reconciled Reconciled Reconciled Reconciled Reconciled Negotiable Reconciled
NOV-18 RE AS NOV-18 RE LI CO NOV-18 HI WA NOV-18 CA AD AD AD CA NOV-18 PE CA NOV-18 FR NOV-18 FR NOV-18 IN	CACH EMPLOYEE SISTANCE INC CLIANCE STANDARD FE INSURANCE MMPANY LLEBRECHT, ARREN K LLIFORNIA PARTMENT OF TAX ID FEE MINISTRATION RS LONG TERM RE LANGE COUNTY LERIFF'S OFFICE LANCHISE TAX LARD LIFORNIA LIFOR	PLACENTIA SEATTLE  PAY SACRAMENTO  PASADENA 4601 JAMBOREE SACRAMENTO 1	1,038.80 30,778.71 395.25 1,685.00 538.89 224.50 150.00	28-NOV-18 26-NOV-18	30,778.71	Reconciled Reconciled Reconciled Negotiable Reconciled Negotiable
AS RE LI CO NOV-18 HI WA ANOV-18 CA ANOV-18 PE CA NOV-18 FR NOV-18 FR NOV-18 IN NOV-18	SISTANCE INC LLIANCE STANDARD FEE INSURANCE MPANY LLEBRECHT, RREN K LLIFORNIA PARTMENT OF TAX ID FEE MINISTRATION RS LONG TERM RE LANGE COUNTY LERIFF'S OFFICE LANCHISE TAX JARD ITERNATIONAL	PAY SACRAMENTO  PASADENA 4601 JAMBOREE SACRAMENTO 1	30,778.71 395.25 1,685.00 538.89 224.50 150.00	28-NOV-18 26-NOV-18	30,778.71	Reconciled  Negotiable  Reconciled  Negotiable
NOV-18 RE LI CO NOV-18 HI WA NOV-18 CA AN NOV-18 PE CA NOV-18 OR NOV-18 FR NOV-18 FR NOV-18 IN	CLIANCE STANDARD FE INSURANCE MMPANY LLEBRECHT, RREN K LLIFORNIA PARTMENT OF TAX ID FEE MINISTRATION RS LONG TERM RE LANGE COUNTY LERIFF'S OFFICE LANCHISE TAX LARD LITERNATIONAL	PAY SACRAMENTO  PASADENA 4601 JAMBOREE SACRAMENTO 1	395.25 1,685.00 538.89 224.50 150.00	26-NOV-18	395.25	Reconciled Negotiable Reconciled Negotiable
WA NOV-18 CA DE AN NOV-18 PE CA NOV-18 OR SH NOV-18 FR BO NOV-18 IN	RREN K LLIFORNIA IPPARTMENT OF TAX ID FEE MINISTRATION IRS LONG TERM IRE LANGE COUNTY LERIFF'S OFFICE LANCHISE TAX LARD LARD LARD LITERNATIONAL	PASADENA 4601 JAMBOREE SACRAMENTO 1	1,685.00 538.89 224.50 150.00			Negotiable Reconciled Negotiable
DE AN AD	PARTMENT OF TAX ID FEE MINISTRATION RS LONG TERM RE LANGE COUNTY LERIFF'S OFFICE LANCHISE TAX JARD LTERNATIONAL	PASADENA 4601 JAMBOREE SACRAMENTO 1	538.89 224.50 150.00	27-NOV-18	538.89	Reconciled Negotiable
CA NOV-18 OR SH NOV-18 FR BO NOV-18 IN	ARE ANGE COUNTY ERIFF'S OFFICE ANCHISE TAX ARD ETERNATIONAL	4601 JAMBOREE SACRAMENTO 1	224.50	27-NOV-18	538.89	Negotiable
SH NOV-18 FR BO NOV-18 IN	ERIFF'S OFFICE ANCHISE TAX DARD ITERNATIONAL	JAMBOREE SACRAMENTO 1	150.00			-
NOV-18 FR BO NOV-18 IN	ANCHISE TAX DARD ITERNATIONAL	SACRAMENTO 1				Negotiable
NOV-18 IN	TERNATIONAL .	_	1 305 00			
EL	OTHERHOOD OF ECTRICAL WORKERS CAL 47	BAR S	1,385.00			Negotiable
	TY OF SANTA ANA	SANTA ANA	5,584.70			Negotiable
	TY OF SANTA ANA		15,000.00			Negotiable
	atcher, Forrest (Rav)	HOME	519.71	27-NOV-18	519.71	Reconciled
NOV-18 TH	E IRVINE COMPANY	YNEWPORT BEACH	56,410.00			Negotiable
	nnett, Ray R av)		185.04			Negotiable
			70.00			Negotiable
			586,27			Negotiable
			143.00			Negotiable
		q	145.00			Negotiable
			135.00			Negotiable
NOV-18 Mc	Kinstry, Brian F	H	305.89			Negotiable
10V-18 Mo	eder, Jacob J		28.62			Negotiable
IOV-18 Par	n, Jenny W		129,72			Negotiable
(0)		Pagistan P	01-NOV-10 m-	20 NOV 10	Domant Date: 03	DEC 2010 15:0
1 1 1 1	NOV-18   Ha   Ha   NOV-18   Ha   NOV-18   Ka   NOV-18   L1   NOV-18   Ma   (S   NOV-18   Ma   NOV-18   Ma   NOV-18   Ma   NOV-18   Ma   NOV-18   Ma   NOV-18   Ma   NOV-18   Pa   NOV-18   Pa   NOV-18   Pa   NOV-18   NOV-18   Pa   NOV-18	OV-18 Malloy, Steven L (Steven) OV-18 McKinstry, Brian Merian) OV-18 Moeder, Jacob J (Jacob) OV-18 Pan, Jenny W (Jenny)	OV-18 Hankla, Jeremy OV-18 Hartcog, Jeremy OV-18 Kanady, Jacob OV-18 Llewellyn, Shana W OV-18 Malloy, Steven L (Steven) OV-18 McKinstry, Brian H (Brian) OV-18 Moeder, Jacob J (Jacob) OV-18 Pan, Jenny W (Jenny)	IOV-18   Hankla, Jeremy   70.00     IOV-18   Hartoog, Jeremy   586.27     IOV-18   Kanady, Jacob   143.00     IOV-18   Malloy, Steven L   135.00     IOV-18   McKinstry, Brian H   305.89     IOV-18   McKinstry, Brian H   305.89     IOV-18   Moeder, Jacob J   28.62     IOV-18   Pan, Jenny W   129.72     IOV-18   Jenny W   129.72     IOV-18   IOV-18   IOV-18     IOV-18   IOV-18   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     IOV-19   IOV-19     I	IOV-18	IOV-18

Payment Number Sequence Num Date Supplier Name Site Payment Amount Date Cleared Amount Status Payment Document : IRWD CHECK 393690 28-NOV-18 Pardee, Debra S 28-NOV-18 Tran, Jason M 9.00 Negotiable 393691 135.00 Negotiable (Jason) RED WING SHOE 393692 28-NOV-18 2,529,92 DALLAS Negotiable STORE 393693 A, YINA ABC ICEHOUSE, INC. 17.70 28-NOV-18 Negotiable 28-NOV-18 151.59 Negotiable 393695 28-NOV-18 ABM INDUSTRY 2,060.00 Negotiable GROUPS, LLC AIRGAS, INC. 393696 28-NOV-18 Negotiable 393697 28-NOV-18 ALARCON, TERESA ALLIANCE RESOURCE 19.53 Negotiable 393698 28-NOV-18 6,250.00 Negotiable CONSULTING LLC ALSTON & BIRD LLP 393699 28-NOV-18 89,203.42 Negotiable 393700 28-NOV-18 AMAZON CAPITAL Negotiable SERVICES, INC. AMERICAN 393701 28-NOV-18 9,911.25 Negotiable GEOTECHNICAL, INC. 393702 28-NOV-18 68,820.00 ANDERSONPENNA Negotiable PARTNERS, INC 393703 28-NOV-18 450.00 ANTHONY N. LARSEN Negotiable 393704 28-NOV-18 APEX LIFE 3,570.00 Negotiable SCIENCES, LLC 28-NOV-18 AQUA-METRIC SALES 393705 54,716.00 Negotiable COMPANY 28-NOV-18 AQUINO, BRITTNEY 28-NOV-18 ASHLEY, JENNIFER 393706 84.96 Negotiable 52.06 Negotiable 393708 28-NOV-18 AT&T 49.38 10,705.73 Negotiable 28-NOV-18 AT&T 393709 Negotiable 393710 28-NOV-18 AT&T Negotiable 393711 28-NOV-18 ATHENS SERVICES 601.54 Negotiable 393712 28-NOV-18 ATKINSON, 678.50 Negotiable ANDELSON, LOYA, RUUD AND ROMO 393713 28-NOV-18 AUTOMOTIVE 3,680.00 Negotiable MARKETING

Account: Checking AP and PR Par Payment Currency: USD (US Dollar) Display Supplier Address: No

Page:

Branch : Los Angeles

BANK: Bank of America N.A.

Payment Type: All

Bank Account Currency: USD ( US Dollar )

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		20 - NOV - 10	CONSULTANTS, INC.	0.790.00			Managari ala La
393714		20-1004-10	AXA EQUITABLE LIFE INSURANCE COMPANY	9,780.00			Negotiable
393715		28-NOV-18	BATTERIES PLUS AND BATTERIES PLUS	1,045.74			Negotiable
393716		20-NOV 10	BULBS	202 20			Managara India
393717			BDC SPECIAL WASTE BILL'S SWEEPING SERVICE INC	207.20 460.00			Negotiable Negotiable
393718		28-NOV-18	BIOMAGIC INC	15,247.87			Negotiable
IRWD Ledger Upg:	rade	20 100 10		Register For 01-NOV-18 To	30-NOV-18	Report Date: 03-	
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	unt Currency:			Payment Curi	ency: USD (		
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393719		28-NOV-18	BLACK & VEATCH	287,722.54			Negotiable
			CORPORATION				
393720		28-NOV-18		29,952.00			Negotiable
393721		28~NOV-18	INC BOKHARI, TARIQ	318.60			Negotiable
393722			BORCHARD SURVEYING				Negotiable
			& MAPPING, INC.				•
393723			BROWN AND CALDWELL				Negotiable
393724 393725		28-NOV-18 28-NOV-18	BRUCE NEWELL BSI SERVICES AND	1,250.00			Negotiable
393123		20-MOA-10	SOLUTIONS (WEST),	2,462.24			Negotiable
			INC.				
393726		28-NOV-18	BUCCOLA LANDSCAPE	231.21			Negotiable
			SERVICES, INC.				
393727		28-NOV-18	C WELLS PIPELINE MATERIALS INC	28,658.20			Negotiable
393728		28-NOV-18	CALIFORNIA	4,240.00			Negotiable
			BARRICADE RENTAL,	,			
			INC.				
393729		28-NOV-18	CANON FINANCIAL	11,021.22			Negotiable
393730		28-NOV-18	SERVICES, INC CDW GOVERNMENT LLC	34,574.20			Negotiable
393731		28-NOV-18		67.78			Negotiable
393732			CHANG, TIFFANY	885.26			Negotiable
393733		28-NOV-18	CHARLES WILLIAM	360.00			Negotiable
202724		20-NOV-10	ROBLE, JR.	130 80			Massabiable
393734 393735		28-NOV-18 28-NOV-18		139.80 18.24			Negotiable Negotiable
393736		28-NOV-18		12.34			Negotiable
393737		28-NOV-18	CHO, SO	40.06			Negotiable
393738		28-NOV-18		880.52			Negotiable
393739		28-NOV-18	CITY OF IRVINE CITY OF NEWPORT	1,875.20			Negotiable
393740		20-NOV-10	BEACH	1,220.41			Negotiable
393741		28-NOV-18	CIVIL SOURCE, INC.	62,607.00			Negotiable
393742		28-NOV-18	CLARIS STRATEGY	6,360.00			Negotiable
202742		00 17077 10	INC.	2 460 00			
393743		28-NOV-18	COMMERCIAL COATING RESOURCE INC	3,460.00			Negotiable
393744		28-NOV-18		981.19			Negotiable
			CONVERSION AND				
000745			MORE INC				
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		28-NOV-18	CONSTELLATION	1,791.26			Negotiable
393746			NEWENERGY, INC.				
393 <b>74</b> 6 393747		28-NOV-18		1,791.26 7,064.82 7,440.00			Negotiable Negotiable Negotiable
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393747 IRWD Ledger Upgn BANK: Bank of 7 Bank Accor Payment  Payment Number  Payment Docume  393748 393749 393750 393751 393752 393753 393754 393755	America N.A. unt Currency: Type: All Sequence Num	28-NOV-18 28-NOV-18 USD ( US I  Date 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18	NEWENERGY, INC. CORE & MAIN LP COUNTY OF ORNNGE Payment It ch: Los Angeles collar)  Supplier Name  CRADE, CLAIRE CRIDER, NATHAN CS-AMSCO CUSTOM TRUCK ONE SOURCE, L.P. CVS PHARMACY, INC. D& H WATER SYSTEMS INC. DATA CLEAN CORPORATION DATASITE INC DAVID WILSON'S FORD OF ORANGE DB INDUSTRIAL	7,064.82 7,440.00 Register For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add  Site Payment Amount  20.69 3.70 3.331.86 380.00 3,007.00 5,517.52 534.00 5,234.00	ing AP and PR ency: USD ( ress: No Cleared Date	Page: 29 US Dollar )  Cleared Amount	Negotiable Negotiable DEC-2018 15:24  Status  Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
393747 IRWD Ledger Upgi BANK: Bank of A Bank Accor Payment Number  Payment Docume 393748 393749 393750 393751 393752 393753 393754 393756 393756 393756	America N.A. unt Currency: Type: All Sequence Num	28-NOV-18 28-NOV-18 Brand USD ( US I  Date 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18	NEWENERGY, INC. CORE & MAIN LP COUNTY OF ORRNGE Payment It ch: Los Angeles collar)  Supplier Name  CRADE, CLAIRE CRIDER, NATHAN CS-AMSCO CUSTOM TRUCK ONE SOURCE, L.P. CVS PHARMACY, INC. D & H WATER SYSTEMS INC. DATA CLEAN CORPORATION DATASITE INC DAVID WILSON'S FORD OF ORANSE DB INDUSTRIAL SUPPLY CO	7,064.82 7,440.00 Register For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add  Site Payment Amount  20.69 3.70 3,331.86 380.00 3,007.00 5,517.52 534.00 5,234.00 36,510.75 381.18	ing AP and PR ency: USD ( ress: No Cleared Date	Page: 29 US Dollar )  Cleared Amount	Negotiable Negotiable DEC-2018 15:24  Status  Negotiable
393747 IRWD Ledger Upgn BANK: Bank of A Bank Account Payment  Payment Number  Payment Docume  393748 393749 393750 393751 393752 393753 393754 393755 393756	America N.A. unt Currency: Type: All Sequence Num	28-NOV-18 28-NOV-18 USD ( US I  Date 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18	NEWENERGY, INC. CORE & MAIN LP COUNTY OF ORRNGE Payment I ch: Los Angeles collar)  Supplier Name  CRADE, CLAIRE CRIDER, NATHAN CS-AMSCO CUSTOM TRUCK ONE SOURCE, L.P. CVS PHARMACY, INC. D & H WATER SYSTEMS INC. DATA CLEAN CORPORATION DATASITE INC DAVID WILSON'S FORD OF ORANGE DB INDUSTRIAL SUPPLY CO DC FROST	7,064.82 7,440.00 Register For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add  Site Payment Amount  20.69 3.70 3,331.86 380.00 3,007.00 5,517.52 534.00 5,234.00 36,510.75	ing AP and PR ency: USD ( ress: No Cleared Date	Page: 29 US Dollar )  Cleared Amount	Negotiable Negotiable EC-2018 15:24  Status  Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
393747 IRWD Ledger Upgi BANK: Bank of A Bank Accor Payment Number  Payment Docume 393748 393749 393750 393751 393752 393753 393754 393756 393756 393756	America N.A. unt Currency: Type: All Sequence Num	28-NOV-18 28-NOV-18 Brand USD ( US I  Date 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18 28-NOV-18	NEWENERGY, INC. CORE & MAIN LP COUNTY OF ORRNGE Payment It ch: Los Angeles collar)  Supplier Name  CRADE, CLAIRE CRIDER, NATHAN CS-AMSCO CUSTOM TRUCK ONE SOURCE, L.P. CVS PHARMACY, INC. D & H WATER SYSTEMS INC. DATA CLEAN CORPORATION DATASITE INC DAVID WILSON'S FORD OF ORANSE DB INDUSTRIAL SUPPLY CO	7,064.82 7,440.00 Register For 01-NOV-18 To Account: Check Payment Curr Display Supplier Add  Site Payment Amount  20.69 3.70 3,331.86 380.00 3,007.00 5,517.52 534.00 5,234.00 36,510.75 381.18	ing AP and PR ency: USD ( ress: No Cleared Date	Page: 29 US Dollar )  Cleared Amount	Negotiable Negotiable DEC-2018 15:24  Status  Negotiable

393759	28-NOV-18	DELL MARKETING LP	6,745.89	Negotiable
393760	28-NOV-18	DIRECTV INC	255.51	Negotiable
393761	28-NOV-18	DISCOUNT COURIER	99.00	Negotiable
		SERVICE INC.		
393762	28-NOV-18	DUDLEY RIDGE WATER	87,097.31	Negotiable
2007.52		DISTRICT		
393763	28-NOV-18	EAGLE SYSTEMS	39,077.76	Negotiable
393764	28-NOV-18	INTERNATIONAL INC.	44 750 00	
393764	79-NOA-18	EI&C ENGINEERING INC	44,750.00	Negotiable
393765	28-NOV-18	ELITE EQUIPMENT,	1,017.33	Negotiable
393703	20 NOV 10	INC.	1,017.33	Negociable
393766	28-NOV-18	ENTERPRISE	38,044.01	Negotiable
		RIDESHARE		nagociabio
393767	28-NOV-18	ENVIRONMENTAL	22,447.50	Negotiable
		ENGINEERING AND		,
		CONTRACTING, INC.		
393768	28-NOV-18	ENVIRONMENTAL	212.00	Negotiable
		RESOURCE		
		ASSOCIATES		
393769	28-NOV-18	ENVIRONMENTAL	55,920.78	Negotiable
		SCIENCE ASSOCIATES		
393770	28-NOV-18	EVERETT DOREY LLP	1,072.50	Negotiable
393771	28-NOV-18	EXECUTIVE LIGHTING	674.10	Negotiable
393772	00 27077 10	& ELECTRIC	554.04	
393772	28-NOV-18	FAIRFIELD	554.24	Negotiable
		RESIDENTIAL VON KARMAN		

IRWD Ledger Upgrade Payment Register For 01-NOV-18 To 30-NOV-18 Report Date: 03-DEC-2018 15:24
BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Page: 30
Bank Account Currency: USD (US Dollar)
Payment Type: All Display Supplier Address: No

Cleared Payment Number Sequence Num Date Supplier Name Site Payment Amount Date Cleared Amount Status Payment Document : IRWD CHECK 393773 28-NOV-18 FERGUSON 3,717.92 Negotiable ENTERPRISES, INC. 393774 28-NOV-18 FIONA HUTTON & 9,291.25 Negotiable ASSOCIATES, INC. 28-NOV-18 393775 FIRE EXTINGUISHING 654.04 Negotiable SAFETY & SERVICE FIRST FINANCIAL 28-NOV-18 1,066.97 Negotiable ASSET MANAGEMENT 393777 28-NOV-18 FISERV 20,088.94 Negotiable FISHER SCIENTIFIC Negotiable COMPANY LLC 393779 28-NOV-18 FRONTIER 643.47 Negotiable CALIFORNIA INC. 393780 28-NOV-18 GANAHL LUMBER CO. 232.27 Negotiable 393781 28-NOV-18 GEEL, STEPHEN Negotiable 393782 28-NOV-18 GERMAN, JOHN GOLDSTONE, REBECCA 28.50 Negotiable 28-NOV-18 5,090.58 Negotiable 393784 28-NOV-18 GRAINGER 13,617.63 393785 20-NOV-18 GRAYBAR ELECTRIC 380.61 Negotiable COMPANY 393786 28-NOV-18 HAAKER EQUIPMENT 1,202.26 Negotiable COMPANY 8,277.45 393787 28-NOV-18 HACH COMPANY Negotiable 393788 28-NOV-18 HALPERIN, LARRY Negotiable 393789 28-NOV-18 HARBOR ALL GLASS & 129.30 Negotiable MIRROR INC. 393790 28-NOV-18 HARPER & 3,040,00 Negotiable ASSOCIATES ENGINEERING INC 393791 28-NOV-18 HARRINGTON 19,861.32 Negotiable INDUSTRIAL PLASTICS LLC 393792 28-NOV-18 HDR ENGINEERING 116,087,10 Negotiable INC 393793 28-NOV-18 HELPMATES STAFFING 17,584.44 Negotiable SERVICES 393794 HERITAGE FIELDS EL Negotiable TORO, LLC HERNANDEZ, ROBERTO 393795 28-NOV-18 28.55 Negotiable 393796 28-NOV-18 HILL BROTHERS 12,121.97 Negotiable CHEMICAL COMPANY 393797 28-NOV-18 HOME DEPOT USA INC 1,140.60 Negotiable Negotiable 393798 28-NOV-18 IBM CORPORATION 2,970.00 393799 28-NOV-18 IDEXX 5,633.85 Negotiable DISTRIBUTION, INC 28-NOV-18 INFOSYS LIMITED 393800 Negotiable
Report Date: 03-DEC-2018 15:24 24,480.00 IRWD Ledger Upgrade 01-NOV-18 To 30-NOV-18 Payment Register For BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 31 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar ) Payment Type: All Display Supplier Address:

Payment Number Sequence Num Date
Payment Document : IRWD CHECK

Payment Amount Date

Site

Supplier Name

Status

Cleared Amount

393801	28-NOV-18	IRVINE COMMUNITY	53,072.65		Negotiable
		DEVELOPMENT			
		COMPANY LLC			
393802		IRVINE PACIFIC	360,80		Negotiable
393803	28-NOV-18	IRVINE PIPE &	4,400.39		Negotiable
		SUPPLY INC			
393804	28-NOV-18	IRWD-PETTY CASH	1,434.21		Negotiable
		CUSTODIAN			
393805	28-NOV-18		200.00		Negotiable
393806	28-NOV-18		8,609.17		Negotiable
		INC			
393807	28-NOV-18		119.31		Negotiable
393808	28-NOV-18		49.94		Negotiable
		SOLUTIONS INC.			
393809	28-NOV-18		2,096.52		Negotiable
		ASSOCIATES, INC.			
393810		KELLER, MICHELLE	37.46		Negotiable
393811	28-NOV-18	KENT & AMY	4,127.10		Negotiable
		DAHLBERG			
393812		KIM, BOKYUNG	27.53		Negotiable
393813		KIM, KANGSEOK	85.09		Negotiable
393814	28-NOV-18	KLINE PROPERTY	39.29		Negotiable
		MANAGEMENT			
393815	28-NOV-18		33.90		Negotiable
393816	28-NOV-18	LA HABRA FENCE	2,543.00		Negotiable
		COMPANY INC			
393817		LAMB, BAILEE	23.58		Negotiable
393818		LENNAR HOMES	808,33		Negotiable
393819	28-NQV-10	LEWIS BRISBOIS	65,737.35		Negotiable
		BISGAARD AND			
		SMITH, LLP			
393820		LI, YUANXI	19.37		Negotiable
393821	28-NOV-18	LU'S LIGHTHOUSE,	2,597.34		Negotiable
		INC.			
393822		LU, HONGRU	48.36		Negotiable
393823		MA, MICHAEL	45,68		Negotiable
393824		MAC DERMOTT, SCOTT			Negotiable
393825		MACDUFF, CHRIS	16.00		Negotiable
393826	28-NOV-18	MBC AQUATIC	1,350.00		Negotiable
		SCIENCES, INC.			
393827	28-NOV-18	MC FADDEN-DALE	132.75		Negotiable
		INDUSTRIAL			
393828	28-NOV-18	MC MASTER CARR	2,183.84		Negotiable
		SUPPLY CO			
393829		MCCARTHY, LEE ANN	37.36		Negotiable
393830	28-NOV-18	MCGOVERN, DENNIS	34.09		Negotiable
IRWD Ledger Upgrade	_		Register For 01-NOV-18 To		ate: 03-DEC-2018 15:24
BANK: Bank of America N.A.		h : Los Angeles	Account: Checki		ge: 32
Bank Account Currency	USD (US D	ollar )		ncy: USD ( US Dollar )	
Payment Type: All			Display Supplier Addr	ess: No	

Daimont Number	Sequence Num Date	Supplier Name	Site Payment Amount	Cleared	21 h	at the
			Site Payment Amount		Cleared Amount	Status
Payment Docum	ent : IRWD CHECK					
393831	28-NOV-18	MERCADEL, HENRY	85.21			Negotiable
393832	28-NOV-18	MERRIMAC PETROLEUM, INC.	71,484.34			Negotiable
393833	28-NOV-18	MICHAEL BAKER INTERNATIONAL, INC.	4,676.00			Negotiable
393834	28-NOV-18	MOBILE MODULAR MANAGEMENT CORPORATION	87.19			Negotiable
393835	28-NOV-18	MOJARRO, YESENIA	42.68			Negotiable
393836	28-NOV-18	MOORE INDUSTRIES INTERNATIONAL, INC.	284.03			Negotiable
393837	28-NOV-18	MSC INDUSTRIAL SUPPLY CO	1,018.88			Negotiable
393838	28-NOV-18	MYERS & SONS HI- WAY SAFETY, INC.	2,605.40			Negotiable
393839	28-NOV-18		2,890.05			Negotiable
393840	28-NOV-18	NCH CORPORATION	195.89			Negotiable
393841	28-NOV-18	NEW PIG CORPORATION	645.00			Negotiable
393842	28-NOV-18	NEW STAR ENVIRONMENTAL, INC.	570.00			Negotiable
393843	28-NOV-18	NMG GEOTECHNICAL	12,416.10			Negotiable
393844	28-NOV-18	NOVACOAST INC	597.50			Negotiable
393845	28-NOV-18	NPG INC.	1,461.81			Negotiable
393846	28-NOV-18	OFFICE DEPOT INC	316.83			Negotiable
393847	28-NOV-18	OLIN CORPORATION	51,887.08			Negotiable
393848	28-NOV-18	OLSON, HAGEL & FISHBURN, LLP	530.50			Negotiable
393849	28-NOV-18		1,129.57			Negotiable
393850	28-NOV-18	ORACLE AMERICA, INC.	19,380.90			Negotiable

393851		28-NOV-18	ORANGE COUNTY AUTO	2	,173.10			Negotiable
393852		28-NOV-18	ORANGE COUNTY SANITATION		238.86			Negotiable
393853		28-NOV-18	ORANGE LINE OIL		933.32			Negotiable
393854		28-NOV-18	COMPANY PACIFIC COAST BOLT		732.17			Negotiable
BANK: Ba Ban	er Upgrade nk of America N.A. k Account Currency: ayment Type: All		ch : Los Angeles		t: Checkir ent Curre	ng AP and PR ncy: USD ( US		DEC-2018 15:24
					(	Cleared		
	umber Sequence Num		Supplier Name		t Amount I		Cleared Amount	Status
Payment	Document : IRWD CH	IECK						
393855		28-NOV-18	PACIFIC PARTS & CONTROLS INC	2	,772.25			Negotiable
393856		28-NOV-18		1	,195.00			Negotiable
393857 393858		28-NOV-18 28-NOV-18		5	,941.65 214.42			Negotiable Negotiable
393859		28-NOV-18	PERKINELMER HEALTH		600.85			Negotiable
393860		28-NOV-18	SCIENCES INC PINNACLE TOWERS		720.39			Negotiable
393861		28-NOV-18	LLC PIVOT INTERIORS INC		480.00			Negotiable
393862 393863		28-NOV-18 28-NOV-18	POWER, JOHN	1	62.69 ,821.29			Negotiable Negotiable
393864			DISTRIBUTION INC		,243.77			Negotiable
393865		28-NOV-18	COMPANY INC		,020.00			Negotiable
393866		28-NOV-18	PTI SAND & GRAVEL INC		,967.92			Negotiable
393867 393868		28-NOV-18 28-NOV-18		2	143.46 ,000.00			Negotiable Negotiable
393869		28-NOV-18	RAM AIR	35	,111.89			Negotiable
393870		28-NOV-18	ENGINEERING INC RCE CONSULTANTS, INC.	8	,162.40			Negotiable
393871		28-NOV-18	RED WING SHOE STORE	2	,630.39			Negotiable
393872 393873		28-NOV-18 28-NOV-18	RELEVANT SOLUTIONS RELIANCE SAFETY		,575.08 ,700.00			Negotiable Negotiable
393874 393875		28-NOV-18 28-NOV-18	RINCON TRUCK	1,	33.46 ,146.72			Negotiable Negotiable
393876		28-NOV-18	CENTER INC. ROYAL INDUSTRIAL		442.17			Negotiable
393877		28-NOV-18		3,	,409.22			Negotiable
393878		28-NOV-18		1.	,400.00			Negotiable
393879 393880		28-NOV-18 28-NOV-18			,457.50 ,015.46			Negotiable Negotiable
BANK: Ban Ban	v veccomir carrency.	Brand USD ( US I	ch : Los Angeles	Register For 01-NO Account Paymo	t: Checkin		Page: 3	DEC-2018 15:24 4
Р	ayment Type: All			Display Supp	lier Addre	ess: No		
					C	Cleared		
			Supplier Name				Cleared Amount	Status
Payment	Document : IRWD CH	ECK						
393881		28-NOV-18	SANTA MARGARITA FORD		290.34			Negotiable
393882		28-NOV-18	SANTIAGO AQUEDUCT COMMISSION		600.00			Negotiable
393883 393884			SANTIAGO, ITZHEL SCHWEITZER ENGINEERING	7,	33.57 747.23			Negotiable Negotiable
393885		28-NOV-18	LABORATORIES, INC. SEAL ANALYTICAL		996.57			Negotiable
393886 393887			INC SENGCHAN, VILA SHAMROCK SUPPLY CO	1,	33.86 085.07			Negotiable Negotiable
393888			INC SHEA HOMES LP		136.15			Negotiable
393889 393890			SHOETERIA SIRIUS COMPUTER		189.09 956.06			Negotiable Negotiable
393891		28-NOV-18		9	635.83			Negotiable
393892		28-NOV-18	SKUKUZ	20,	196.00			Negotiable

393893	28-NOV-18	TECHNOLOGIES INC	2,836.11			Negotiable
		QUALITY MANAGEMENT	-,			,
		DISTRICT				
393894	28-NOV-18		53,688.00			Negotiable
		COUNTY WASTEWATER				
202005		AUTHORITY				
393895	28-NOV-18	SOUTHERN CALIFORNIA EDISON	296,477.38			Negotiable
		COMPANY				
393896	28-NOV-18	SOUTHERN	43.68			Negotiable
	20 1101 20	CALIFORNIA EDISON	15.00			Negociabio
		COMPANY				
393897	28-NOV-18	SOUTHERN	1,370.72			Negotiable
		CALIFORNIA GAS				
		COMPANY				
393898	28-NOV-18	SPARKLETTS	141.54			Negotiable
393899	28-NOV-18	STANTEC CONSULTING	12,240.18			Negotiable
		SERVICES INC.				
393900	28-NOV-18		1,735.96			Negotiable
393901	28-NOV-18	WIRELESS, INC. SUNSHINE SUPPLY	2,734.70			AT 42 1-7 -
393901	28-NOV-18	COMPANY, INC.	2,734.70			Negotiable
393902	28-NOV-18	SURTERRE PROPERTY	34.90			Negotiable
	20 1101 20	MANAGEMENT	21.55			Negociabic
393903	28-NOV-18	T.E. ROBERTS, INC.	106,951.00			Negotiable
393904	28-NOV-18	TALLEY INC	2,973.92			Negotiable
IRWD Ledger Upgrade		Payment R	egister For 01-NOV-18 To	30-NOV-18	Report Date:	03-DEC-2018 15:24
BANK: Bank of America N.A.		h : Los Angeles	Account: Check	ing AP and PR	Page:	35
Bank Account Currency:	USD (US D	ollar )		ency: USD ( US	Dollar )	
Payment Type: All			Display Supplier Add	ress: No		

						Cleared		
Payment Number			Supplier Name	Site	Payment Amount	Date	Cleared Amour	
	ent : IRWD CHE							
393905		28-NOV-18	TEKDRAULICS		4,021.14			Negotiable
393906		28-NOV-18	TELEDYNE		730.59			Negotiable
			INSTRUMENTS, INC.		7.5550			11090020020
393907		28-NOV-18	TESTAMERICA		192.15			Negotiable
			LABORATORIES, INC					,
393908		28-NOV-18			12,540.00			Negotiable
			INC.					-
393909		28-NOV-18	THERMO ELECTRON		1,119.91			Negotiable
			NORTH AMERICA LLC					
393910		28-NOV-18			724.08			Negotiable
393911		28-NOV-18			77.74			Negotiable
393912		28-NOV-18			67,914.65			Negotiable
			NURSERY INC					
393913		28-NOV-18			497.02			Negotiable
393914		28-NOV-18	TUTTLE-CLICK FORD		23,992.82			Negotiable
202015			LINCOLN					
393915		28-NOV-18			21.74			Negotiable
393916		28-NOV-18			86.06			Negotiable
393917		28-NOV-18	UNITED PARCEL SERVICE INC		82,21			Negotiable
393918		20_11017_10	US BANK NAT'L		65,301.67			Nogobioble
393910		20-NOV-10	ASSOCIATION NORTH		03,301.07			Negotiable
			DAKOTA					
393919		28-NOV-18	V&A CONSULTING		29,992.99			Negotiable
			ENGINEERS		25,552.55			Negociable
393920		28-NOV-18	VERIZON WIRELESS		1,778.97			Negotiable
			SERVICES LLC					3
393921		28-NOV-18	VIRTUAL GRAFFITI,		20,076.27			Negotiable
			INC.					-
393922		28-NOV-18	VULCAN MATERIALS		1,439.18			Negotiable
			COMPANY					
393923		28-NOV-18	VWR INTERNATIONAL,		4,273.19			Negotiable
			LLC					
393924		28-NOV-18	WACO FILTERS		3,276.81			Negotiable
			CORPORATION					
393925		28-NOV-18			7,198.20			Negotiable
393926			ELECTRIC		5 548 85			
393926		28-NOV-18 28-NOV-18			5,517.75			Negotiable
393921	•	78-NOA-19	WARMINGTON RESIDENTIAL		45.70			Negotiable
393928		20_NOV_10	WATER RESEARCH		25,000.00			Negotiable
393920		20-1004-10	FOUNDATION		23,000.00			Negotiable
393929		28-NOV-18			1,676.02			Negotiable
555525	•	20 107 10	ENTERPRISES, INC		1,070.02			Negociabie
393930		28-NOV-18			2,364.00			Negotiable
	•	10	INC		2,001.00			negotiable
IRWD Ledger Upgi	rade			Register For	01-NOV-18 To	30-NOV-18	Report Date:	03-DEC-2018 15:24
BANK: Bank of A		Branc	h : Los Angeles		Account: Checki		Page:	36
Bank Accou	unt Currency: 1	USD ( US D	ollar)		Payment Curre	ency: USD ( US		
Payment	Type: All			Displa	ay Supplier Addr	ress: No		

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Site

Cleared Payment Amount Date

Supplier Name

Payment Number Sequence Num Date

Payment Document : IRWD CHECK

Status

Cleared Amount

393931	28-NOV-18	WESSEL, ROBERT		47.47		Negotiable
393932	28-NOV-18	WEST COAST SAFETY SUPPLY INC		13,323.36		Negotiable
393933	28-NOV-18	WILHELM, KRIS		50.54		Negotiable
393934		WILKINS, BARBARA		17.03		Negotiable
393935		WILSON, JEFF		145.35		Negotiable
393936		WOODRUFF, SPRADLI	N	76.10		Negotiable
393937	28-NOV-18	YI, SIYING		93.44		Negotiable
393938	28-NOV-18			86.67		Negotiable
393939	28-NOV-18	•		43.05		Negotiable
393940		SINFIELD, LILY	PAY	19.99		Voided
393941		WATERSMART	SAN	13,597.50		Negotiable
		SOFTWARE, INC	FRANCISCO	,		
393942	29-NOV-18		NEWARK	2,494.30		Negotiable
					************	
	Payment Docu	ment Subtotal:		11,313,730.04	8,016,532.12	
Payment Document : IRWD W	ire					
12848	09-NOV-18	YORK INSURANCE SERVICES GROUP IN	PAY	4,596.11		Negotiable
12849	19-NOV-18	RODGERS, MELANIE	PAY	20.82		Negotiable
12850		VASHIST, DEEPAK	PAY	78,15		Negotiable
12851		WILLIAMS, TROY	PAY	39.67		Negotiable
12852		YORK INSURANCE	PAY	12,654.48		Negotiable
12002	20 100 10	SERVICES GROUP IN		12,034.40		Negociable
12853	20-NOV-18	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	42,595.11		Negotiable
12854	20-NOV-18	MUNICIPAL WATER DISTRICT OF ORANG COUNTY	FOUNTAIN EVALLEY	1,646,563.09		Negotiable
12855	20-NOV-18	YORK INSURANCE SERVICES GROUP IN - CA	PAY	6,543.86		Negotiable
12856	20-NOV-18	CALPERS	SACRAMENTO	2,802.27		Negotiable
12857	20-NOV-18	CALPERS	SACRAMENTO	502,186.78		Negotiable
12858	20-NOV-18	FILANC-BALFOUR BEATTY JV	WEST COVINA	630,196.50		Negotiable
IRWD Ledger Upgrade				01-NOV-18 To 30-	-NOV-18 Report Date: 03-	-DEC-2018 15:24
BANK: Bank of America N.A.	Branc	h : Los Angeles		Account: Checking		37
Bank Account Currency					y: USD (US Dollar)	
Payment Type: All		•	Displ	ay Supplier Address		
2. 2.				FF		
				Cle	eared	

Payment Number Sequence Num Date Supplier Name Payment Amount Date Cleared Amount Status Payment Document : IRWD Wire 12859 20-NOV-18 FILANC-BALFOUR ESR 7,610,27 Negotiable BEATTY JV 211084000 12860 20-NOV-18 U.S. BANK NATIONALST. LOUIS 8,718.12 Negotiable ASSOCIATION EMPLOYEE BENEFIT SPECIALISTS, INC. 12861 21-NOV-18 PO BOX 12,722.39 Negotiable 11657 12862 21-NOV-18 EMPLOYEE BENEFIT 12,653.16 Negotiable SPECIALISTS, INC. 11657 21-NOV-18 EMPLOYEE BENEFIT 1,570.00 Negotiable SPECIALISTS, INC. EMPLOYEE BENEFIT 11657 12864 21-NOV-18 26,615.54 PO BOX Negotiable SPECIALISTS, INC. 12865 21-NOV-18 191,397.05 CALPERS SACRAMENTO Negotiable 12866 21-NOV-18 SACRAMENTO Negotiable 21-NOV-18 192,830.34 12867 CALPERS SACRAMENTO Negotiable 12868 21-NOV-18 CALPERS SACRAMENTO Negotiable YORK INSURANCE SERVICES GROUP INC 12869 27-NOV-18 PAY 982.30 Negotiable 28-NOV-18 BANK OF NEW YORK NEWARK 12870 13,422.22 Negotiable MELLON TRUST COMPANY NA U.S. BANK NATIONALST, LOUIS 12871 28-NOV-18 30,629.07 Negotiable ASSOCIATION 12872 28-NOV-18 SUMITOMO MITSUI NEW YORK 54,904.11 Negotiable BANKING CORPORATION 12873 28-NOV-18 105,687.45 BANK OF NEW YORK NEWARK Negotiable MELLON TRUST COMPANY NA U.S. BANK NATIONALST. LOUIS 12874 28-NOV-18 58,397.89 Negotiable ASSOCIATION 12875 28-NOV-18 58,949.29 BANK OF AMERICA SAN Negotiable FRANCISCO 12876 INTERNAL REVENUE 28-NOV-18 FRESNO 220,054.40 Negotiable SERVICE 12877 28-NOV-18 FRANCHISE TAX SACRAMENTO 69,409.70 Negotiable BOARD

12878		28-NOV-18	EMPLOYMENT DEVELOPMENT	W SACRAMENTO	11,783.04			Negotiable
12879		28-NOV-18	DEPARTMENT CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	1,729.50			Negotiable
Bank Acco	America N.A.				r 01-NOV-18 To Account: Check Payment Curr lay Supplier Add	ing AP and PR ency: USD ( US	Page: 3	DEC-2018 15:24
			Supplier Name				Cleared Amount	Status
Payment Docum								
12880		28-NOV-18	GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY	DENVER	163,406.42			Negotiable
12881		29-NOV-18	INTERNAL REVENUE SERVICE	FRESNO	202,490.57			Negotiable
12882		29-NOV-18	FRANCHISE TAX BOARD	SACRAMENTO	62,664.59			Negotiable
12883		29-NOV-18	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	10,452.63			Negotiable
12884		29-NOV-18	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	1,729.50			Negotiable
12885		29-NOV-18	GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY	DENVER	123,544.75			Negotiable
12886		29-NOV-18		SACRAMENTO	192,875.83			Negotiable
12887		29-NOV-18	BANK OF AMERICA MERRILL LYNCH	CHICAGO	19,656.65			Negotiable
12888		29-NOV-18	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	1,288.46			Negotiable
	Pa	yment Docu	ument Subtotal:		4,708,792.90	******		
		Bank Acco	ount Subtotal :		16,022,522.94		8,016,532.12	
Report	Count: 979		Report Total:	16,022,522.94		532.12		

\*\*\* End of Report \*\*\*

Disbursements

\$ 16,022,522.94 Disbursements <15,740.08> Voids

\$ 16,006,782.86 Total voids and disbursements

# Exhibit "E"

# **IRWD Gov Code 53065.5 Disclosure Report**

Payment or Reimbursements for Individual charges of \$100 or more per transaction for services or product received. 01-NOV-18 to 30-NOV-18

NAME	CHECK NO.	CHECK	AMOUNT	ITEM DESCRIPTION	EXPENSE JUSTIFICATION
Bennett, Ray	393681	28-Nov-18	170.04	Mileage	Monthly Rosedale-Rio Bravo DRP Project Tour/Inspection
Bornhoff, Mike	393437	15-Nov-18	290.00	Certification Renewal	CWEA Electrical/Instrumentation Grade IV
Borowski, Michael	393438	15-Nov-18	188.00	Membership Renewal	CWEA membership
Cho, Harry	393198	8-Nov-18	112.27	Mileage	Attended AWWA Annual Fall Conf., Rancho Mirage, CA - Oct. 23, 2018
Compton, Christine	393199	8-Nov-18	119.90	Mileage	Attended CSDA Annual Conf., Indian Wells, CA - Sept. 24-27, 2018
Cortez, Malcolm	393006	1-Nov-18	115.00	Membership Renewal	Principal Engineers License renewal
Cotton, Derrien	393440	15-Nov-18	146.26	Other(Misc)	Meeting supplies
Joseph, Brandon	393203	8-Nov-18	188.00	Membership Renewal	CWEA membership
Kanady, Jacob	393684	28-Nov-18	143.00	Membership Renewal	CWEA membership
Madrid, Adam	393444	15-Nov-18	175.19	Other(Misc)	Safety shoe reimbursement
Malloy, Steven	393205	8-Nov-18	115.00	Membership Renewal	Principal Engineers License renewal
Malloy, Steven	393686	28-Nov-18	105.00	Membership Renewal	2019 ASCE membership
Mares, Michael	393206	8-Nov-18	105.00	Certification Renewal	SWRCB Water Distribution Operator Grade D5
McElroy, Dorien	393009	1-Nov-18	110.00	Certification Renewal	SWRCB Waterwater Treatment Operator Grade II
McGehee, Joe	393445	15-Nov-18	353.16	Mileage	Zone 1 Reservoir Nevada Nursery, Mesquite, NV - Nov. 8, 2018
McKinstry, Brian	393687	28-Nov-18	224.40	Other(Misc)	Parts for NetApp and WiFi
Meserlian, Barkev	393446	15-Nov-18	454.37	Other(Misc)	Meeting supplies
Mossbarger, Tony	393208	8-Nov-18	162.51	Other(Misc)	Meeting supplies
Pan, Jenny	393689	28-Nov-18	123.18	Other(Misc)	Meeting supplies
Paulson, David	393209	8-Nov-18	105.00	Certification Renewal	SWRCB Water Distribution Operator Grade D5
Pizanie, Nicholas	393212	8-Nov-18	155.00	Certification Renewal	SWRCB Water Distribution Operator Grade D5
Pizanie, Nicholas	393212	8-Nov-18	100.00	Certification Renewal	SWRCB Water Treatment Operator Grade III
Rutherford, Allan	393213	8-Nov-18	188.00	Membership Renewal	CWEA membership
Saini, Mohit	393013	1-Nov-18	115.60	Other(Misc)	Meeting supplies
Saini, Mohit	393013	1-Nov-18	122.54	Other(Misc)	Meeting supplies
Seesangrit, Melody	393448	15-Nov-18	101.70	Lodging	Attended WaterSmart Innovations Conf., Las Vegas, NV - Oct. 4, 2018
Smithson, Christopher	393014	1-Nov-18	103.50	Other(Misc)	Meeting supplies
Swan, Peer	393215	8-Nov-18	409.12	Lodging	Attended CASA Conf., Monterey, CA - Aug. 7, 2018
Swan, Peer	393215	8-Nov-18	405.98	Mileage	Attended CASA Conf., Monterey, CA - Aug. 7-9, 2018
Swan, Peer	393215	8-Nov-18	298.40	Lodging	Attended CASA Conf., Monterey, CA - Aug. 8, 2018
Swan, Peer	393215	8-Nov-18	298.40	Lodging	Attended CASA Conf., Monterey, CA - Aug. 9, 2018
Swan, Peer	393215	8-Nov-18	231.02	Lodging	Attended Urban Water Institute Conf., San Diego, CA - Aug. 23, 2018
Swan, Peer	393215	8-Nov-18	563.96	Airfare	Attended ACWA Energy Committee meeting, Folsom, CA - Aug. 28, 2018
Torres, Richard	393216	8-Nov-18	188.00	Membership Renewal	CWEA membership
Tran, Jason	393691	28-Nov-18	135.00	Certification Renewal	ICML certification
	То	otal Amount:	\$6,921.50		

December 10, 2018

Prepared by: A. Murphy/M. Cortez

Submitted by: K. Burton

Approved by: Paul A. Cook

## **CONSENT CALENDAR**

# ELDERWOOD SEWER UPSIZING FINAL ACCEPTANCE

# SUMMARY:

The Elderwood Sewer Upsizing project is complete. The contractor, GCI Construction, completed the required work and all punch list items. The project has received final inspection and acceptance of construction is recommended.

# BACKGROUND:

This project upsized an existing eight-inch sewer segment to a 10-inch sewer to accommodate projected future flow rates and installed a cured-in-place-pipe liner in the sewer segment immediately downstream to mitigate circumferential cracking of the existing pipe.

Staff completed the design in May 2018. GCI Construction was awarded the construction contract on June 26, 2018, mobilized in September 2018 and completed construction of all improvements on November 8, 2018.

Project Title:

**Elderwood Sewer Upsizing** 

Project No.:

10095

Design Engineer:

**Psomas** 

Construction Management by:

**IRWD Staff** 

Contractor:

GCI Construction

Original Contract Cost:

\$183,260.00

Final Contract Cost:

\$195,558.24

Original Contract Days:

90

Final Contract Days:

135

Final Change Order Approved On: November 28, 2018

# FISCAL IMPACTS:

Project 10095 is included in the FY 2018-19 Capital Budget. The existing budget is sufficient to fund the final payment for the project.

Consent Calendar: Elderwood Sewer Upsizing Final Acceptance

December 10, 2018

Page 2

# **ENVIRONMENTAL COMPLIANCE:**

This project is exempt from the California Environmental Quality Act (CEQA) and in conformance with California Code of Regulation, Title 14, Chapter 3, Section 15282 in that the installation of new pipeline or maintenance, repair restoration, removal, or demolition of an existing pipeline as set forth in Section 21080.21 of the Public Resources Code, as long as the project does not exceed one mile in length. A Notice of Exemption for the project was prepared and filed with the County of Orange on June 12, 2018.

# **COMMITTEE STATUS:**

This item was not reviewed by a Committee.

# **RECOMMENDATION:**

THAT THE BOARD ACCEPT CONSTRUCTION OF THE ELDERWOOD SEWER UPSIZING, PROJECT 10095; AUTHORIZE THE GENERAL MANAGER TO FILE A NOTICE OF COMPLETION; AND AUTHORIZE THE PAYMENT OF THE RETENTION 35 DAYS AFTER THE DATE OF RECORDING THE NOTICE OF COMPLETION.

# **LIST OF EXHIBITS:**

None.

December 10, 2018

Prepared and

Submitted by: J. Roney

Approved by: Paul A. Cook

### CONSENT CALENDAR

# ADOPTION OF A REVISED DISTRICT SCHEDULE OF POSITIONS AND SALARY RATE RANGES

# SUMMARY:

Staff recommends that the Board adopt a revised District Schedule of Positions and Salary Rate Ranges by resolution, effective December 10, 2018, as attached in Exhibit "A".

# BACKGROUND:

Each year during the process of developing the Operating Budget, staff reviews the current budgeted positions to determine the necessary staffing levels necessary to accomplish the District's goals and strategic objectives and to deliver efficient, effective service to our customers. The justifications for staffing and organizational changes and the associated costs and cost savings have been incorporated in the FY 2018-19 Operating Budget, adopted by the Board on April 23, 2018.

Staff is recommending that a revised District Schedule of Positions and Salary Rate Ranges be adopted, with changes becoming effective as of December 10, 2018, to incorporate the following changes:

- Delete Regulatory Compliance Manager position (U18.E)
- Add Director of Water Quality and Regulatory Compliance position (U27.E)

While the changes to the positions and salary grades listed above are allowable under the General Manager's authority, CalPERS requires that each employment position and pay rate be identified in a publicly available pay schedule (CalPERS Regulations, 2 CCR 570.5).

## FISCAL IMPACTS:

The fiscal impacts of this item were included in the FY 2018-19 Operating Budget adopted by the Board of Directors on April 23, 2018.

### ENVIRONMENTAL COMPLIANCE:

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

Consent Calendar: Adoption of a Revised District Schedule of Positions and Salary Rate Ranges December 10, 2018 Page 2

# **COMMITTEE STATUS:**

This item was not reviewed by a Committee.

# RECOMMENDATION:

THAT THE BOARD ADOPT THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2018 -

RESOLUTION OF THE BOARD OF DIRECTORS OF THE IRVINE RANCH WATER DISTRICT RESCINDING RESOLUTION NO. 2018-24 AND ADOPTING A REVISED SCHEDULE OF POSITIONS AND SALARY RATE RANGES

# **LIST OF EXHIBITS:**

Exhibit "A" – Resolution of the Board of Directors of the Irvine Ranch Water District adopting a revised Schedule of Positions and Salary Rate Ranges effective as of December 10, 2018.

## EXHIBIT "A"

# **RESOLUTION NO. 2018 -**

# RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT, RESCINDING RESOLUTION NO. 2018-24 AND ADOPTING A REVISED SCHEDULE OF POSITIONS AND SALARY RATE RANGES

The Board of Directors of Irvine Ranch Water District, by adoption of Resolution No. 2018-24 on August 13, 2018, established a Schedule of Positions and Salary Rate Ranges of the Irvine Ranch Water District; and

The Board of Directors of Irvine Ranch Water District has reviewed the Schedule of Positions and Salary Rate Ranges and desires to make revisions thereto.

The Board of Directors of Irvine Ranch Water District therefore resolves as follows:

Section 1. That the Schedule of Positions and Salary Rate Ranges adopted by Resolution No. 2018-24 on August 13, 2018 is hereby rescinded, effective December 10, 2018.

Section 2. That the Schedule of Positions and Salary Rate Ranges for the Irvine Ranch Water District as set forth in Schedule I to this Resolution, be and hereby is approved and adopted.

ADOPTED, SIGNED and APPROVED on December 10, 2018.

	President, IRVINE RANCH WATER DISTRICT
	Secretary, IRVINE RANCH WATER DISTRICT
APPROVED AS TO FORM: Lewis Brisbois Bisgaard & Smith LI	LP
By:	<del></del> ,

# **SCHEDULE I**

# IRVINE RANCH WATER DISTRICT MONTHLY SALARY GRADE SCHEDULE

# Managers, Exempt Supervisors, Confidential & Exempt Employees Effective December 10, 2018

EXCEPTIONAL PERFORMANCE

NON-EXEMPT	MINIMUM	MAXIMUM	PERFORMANCE TOP OF RANGE
Salary Grade U 1.N	2,937	3,642	3,823
Salary Grade U 2.N	3,001	3,742	3,929
Salary Grade U 3.N	3,064	3,844	4,037
Salary Grade U 4.N	3,120	3,956	4,154
Salary Grade U 5.N	3,192	4,066	4,269
Salary Grade U 6.N	3,254	4,184	4,393
Salary Grade U 7.N	3,319	4,300	4,516
Salary Grade U 8.N	3,391	4,423	4,644
Salary Grade U 9.N	3,456	4,545	4,774
Salary Grade U 10.N	3,528	4,670	4,902
Salary Grade U 11.N	3,596	4,789	5,026
Salary Grade U 12.N	3,667	4,929	5,177
Salary Grade U 13.N	3,736	5,070	5,326
Salary Grade U 14.N	3,820	5,214	5,475
Salary Grade U 15.N	3,902	5,352	5,620
Salary Grade U 16.N	3,994	5,502	5,776
Salary Grade U 17.N	4,079	5,640	5,922
Salary Grade U 18.N	4,168	5,791	6,082
Salary Grade U 19.N	4,263	5,937	6,236

# EXCEPTIONAL PERFORMANCE

NON-EXEMPT		MINIMUM	MAXIMUM	TOP OF RANGE
	Safety Assistant			
Salary Grade U 20.N		4,377	6,130	6,437
Salary Grade U 21.N		4,501	6,315	6,633
Salary Grade U 22.N		4,625	6,514	6,840
	Executive Secretary Human Resources Assistant			
Salary Grade U 23.N		4,747	6,711	7,045
Salary Grade U 24.N		4,882	6,920	7,266
Salary Grade U 25.N	Human Resources Technician	5,010	7,132	7,491
Salary Grade U 26.N	Executive Assistant	5,166	7,346	7,713
Salary Grade U 27.N		5,314	7,561	7,939
Salary Grade U 28.N		5,469	7,785	8,176
Salary Grade U 29.N	Administrative Assistant Safety Specialist	5,632	8,012	8,413
Salary Grade U 30.N		5,803	8,249	8,662
Salary Grade U 31.N	Human Resources Analyst	5,975	8,498	8,922
Salary Grade U 32.N	User Support Administrator Network Administrator	6,146	8,748	9,186
Salary Grade U 33.N		6,325	9,003	9,454
Salary Grade U 34.N		6,514	9,252	9,716
Salary Grade U 35.N		6,710	9,530	10,007

# EXCEPTIONAL PERFORMANCE

EXEMPT		MINIMUM	MAXIMUM	TOP OF RANGE
Salary Grade U 1.E		4,723	6,068	6,371
Salary Grade U 2.E		4,881	6,303	6,619
Salary Grade U 3.E		5,037	6,538	6,867
Salary Grade U 4.E		5,194	6,790	7,128
Salary Grade U 5.E		5,352	7,041	7,394
Salary Grade U 6.E		5,537	7,314	7,680
Salary Grade U 7.E		5,714	7,585	7,962
Salary Grade U 8.E	*	5,900	7,881	8,275
Salary Grade U 9.E		6,080	8,170	8,577
Salary Grade U 10.E  Salary Grade U 11.E	Asset Systems Analyst Assistant Engineer Customer Service Supervisor Development Services Supervisor Management Analyst Public Affairs Analyst Regulatory Compliance Analyst Senior Public Affairs Specialist  Financial Analyst Purchasing Supervisor Senior Accountant	6,484	8,479	9,233
Salary Grade U 12.E	Water Efficiency Supervisor  Energy Analyst Source Control Program Administrator Treasury Analyst	6,694	9,131	9,585
Salary Grade U 13.E	Accounting Supervisor GIS Supervisor Legislative Analyst Right of Way Agent Senior Human Resources Analyst Water Resources Planner		9,462	9,933

EXEMPT	MINIMUM	MAXIMUM	EXCEPTIONAL PERFORMANCE TOP OF RANGE
Salary Grade U 14.E	7,135	9,826	10,317
Associate Engineer District Secretary			
QA/QC Compliance Adminstrator			
QA/ QC Compilance Administrator			
Salary Grade U 15.E	7,362	10,194	10,702
Applications Analyst			
Automation Programmer			
Laboratory Supervisor			
Senior Network Administrator			
Salary Grade U 16.E	7,608	10,579	11,109
Salary Grade U 17.E	7,850	10,968	11,515
Asset Systems Manager	,	,	,
Automation Manager			
Collection Systems Manager			
Construction Inspection Manager			
Construction Services Manager			
Customer Service Manager			
Electrical and Instrumentation Manager			
Engineer			
Facilities/Fleet Manager			
Field Services Manager			
Natural Resources Manager			
Purchasing Manager			
Safety Manager			
Water Efficiency Manager			
C. L. C. L. 1140.5	0.405	11 200	11.054
Salary Grade U 18.E	8,105	11,386	11,954
Manager of Risk & Contracts Administration			
Public Affairs Manager			
Regulatory Compliance Manager			
Senior Applications Analyst			
Senior Applications Developer			
Senior Database Administrator			
Treasury Manager			
User Support Manager			
Water Quality Manager			

EXEMPT	MINIMUM	MAXIMUM	EXCEPTIONAL PERFORMANCE TOP OF RANGE
Salary Grade U 19.E  Operations Manager  Mechanical Services Manager  Recycled Water Development Manager  Water Resources Manager	8,362	11,806	12,398
Salary Grade U 20.E  Controller  Manager of Strategic Planning and Analysis  Network and Cybersecurity Manager  Senior Engineer	8,622	12,244	12,856
Salary Grade U 21.E	8,885	12,686	13,321
Salary Grade U 22.E Applications Manager	9,170	13,158	13,817
Salary Grade U 23.E  Government Relations Officer  Principal Engineer	9,461	13,634	14,317
Salary Grade U 24.E	9,717	14,184	14,891
Salary Grade U 25.E	10,017	14,720	15,455
Salary Grade U 26.E	10,474	15,499	16,273
Salary Grade U 27.E  Director of Administrative Services  Director of Human Resources  Director of Maintenance  Director of Public Affairs  Director of Recycling Operations  Director of Water Operations  Director of Water Compliance  Director of Water Resources  Treasurer/Director of Risk Management	10,954	16,320	17,135
Salary Grade U 28.E	11,457	17,179	18,038
Salary Grade U 29.E	11,980	18,088	18,992

12,533

19,049

20,000

Salary Grade U 30.E

			EXCEPTIONAL PERFORMANCE
EXEMPT	MINIMUM	MAXIMUM	TOP OF RANGE
Executive Director of Finance			
Executive Director of Engineering & Water Quality			
Executive Director of Operations			
Executive Director of Water Policy			
( <u> </u>			
Salary Grade U 31.E	13,157	20,129	21,135
Salary Grade U 32.E	13,816	21,275	22,339
Salary Grade U 33.E	14,503	22,483	23,607
Salary Grade U 34.E	15,231	23,759	26,281
General Manager			

# IRVINE RANCH WATER DISTRICT MONTHLY SALARY GRADE SCHEDULE

# <u>General Employees Unit</u> Effective December 10, 2018

NON-EXEMPT		MINIMUM	MAXIMUM	RANGE
Salary Grade 1.N		\$2,818	\$3,495	\$3,669
Salary Grade 2.N		\$2,879	\$3,590	\$3,770
Salary Grade 3.N		\$2,941	\$3,689	\$3,874
Salary Grade 4.N		\$2,994	\$3,796	\$3,986
Salary Grade 5.N		\$3,062	\$3,902	\$4,097
Salary Grade 6.N	Office Assistant Mail Coordinator	\$3,123	\$4,015	\$4,215
Salary Grade 7.N		\$3,184	\$4,126	\$4,333
Salary Grade 8.N		\$3,255	\$4,245	\$4,457
Salary Grade 9.N		\$3,318	\$4,362	\$4,580
Salary Grade 10.N		\$3,385	\$4,480	\$4,703
Salary Grade 11.N	Maintenance Apprentice Material Control Clerk I Utility Worker	\$3,451	\$4,596	\$4,824
Salary Grade 12.N		\$3,519	\$4,730	\$4,968
Salary Grade 13.N	Customer Service Specialist I Support Specialist	\$3,585	\$4,866	\$5,109
Salary Grade 14.N	A.4	\$3,665	\$5,002	\$5,253
Salary Grade 15.N	Collection Systems Technician I Office Specialist	\$3,744	\$5,137	\$5,394

			PERIORIVIANCE TOT OF
NON-EXEMPT	MINIMUM	MAXIMUM	RANGE
Accounting Clerk			
Customer Service Field Technician			
Laboratory Analyst			
Metering Systems Technician I			
Water Efficiency Field Technician			
Water Maintenance Technician I			
Salary Grade 17.N	\$3,914	\$5,411	\$5,681
Customer Service Specialist II			
Salary Grade 18.N	\$3,999	\$5,558	\$5,835
Material Control Clerk II	ψ0,555	Ψ σ, σ σ σ	4-,
Senior Support Specialist			
Schlor Support Specialist			
Salary Grade 19.N	\$4,091	\$5,698	\$5,984
Development Services Specialist			
Purchasing Coordinator			
Senior Office Specialist			
Salary Grade 20.N	\$4,200	\$5,881	\$6,176
Collection Systems Technician II	Ψ .)=00	40,000	<b>++</b> /
Engineering Technician I			
GIS Technician I			
Operator I			
Senior Accounting Clerk			
Salary Grade 21.N	\$4,319	\$6,059	\$6,364
Colletion Systems CCTV Technician			
Customer Service Specialist III			
Senior Customer Service Field Technician			
Senior Water Efficiency Field Technician			
Salary Grade 22.N	\$4,438	\$6,250	\$6,564
Facilities Services Technician			
Maintenance Mechanic			
Metering Systems Technician II			
Recycled Water Specialist			
Senior Purchasing Coordinator			
Vehicle/Equipment Mechanic			
Water Maintenance Technician II			

NON-EXEMPT	MINIMUM	MAXIMUM	PERFORMANCE TOP OF RANGE
Salary Grade 23.N	\$4,555	\$6,439	\$6,761
Salary Grade 24.N	\$4,684	\$6,641	\$6,973
Buyer			
Cross Connection Specialist			
Public Affairs Assistant			
Water Efficiency Specialist			
Water Resources Specialist			
Wetlands Specialist			
Salary Grade 25.N	\$4,807	\$6,845	\$7,188
Engineering Technician II			
GIS Technician II			
Senior Collection Systems CCTV Technician			
Senior Collection Systems Technician			
Salary Grade 26.N	\$4,955	\$7,049	\$7,400
Metering Systems Technician III			
Water Maintenance Technician III			
	¢E 000	¢7.255	\$7,618
Salary Grade 27.N	\$5,099	\$7,255	\$7,010
Accountant			
Senior Vehicle/Equipment Maintenance Mechanic			
Senior Facilities Services Technician			
Operator II			
Senior Maintenance Mechanic			
Senior Recycled Water Specialist			
Salary Grade 28.N	\$5,249	\$7,472	\$7,846
Construction Inspector	•		
Automation Technician	1		
Landscape Contracts Administrator	r		
Electrical Technician	1		
Instrumentation Techniciar	1		
Scientist	t		

NON-EXEMPT		MINIMUM	MAXIMUM	RANGE
Salary Grade 29.N		\$5,405	\$7,689	\$8,072
•	Senior Buyer		, ,	. ,
	Engineering Technician III			
	GIS Technician III			
	Senior Wetlands Specialist			
	Operator III			
	Lead Maintenance Mechanic			
	Recycled Water Project Specialist			
	Senior Water Efficiency Specialist			
	Public Affairs Specialist			
Salary Grade 30.N		\$5,568	\$7,915	\$8,313
	Risk Analyst			
	Senior Electrical Technician			
	Senior Instrumentation Technician			
	<b>Environmental Compliance Specialist</b>			
	Graphic Design Specialist			
Salary Grade 31.N		\$5,732	\$8,155	\$8,561
	Information Services Coordinator			
	Senior Construction Inspector			
	Water Efficiency Analyst			
	Payroll Administrator			
Salary Grade 32.N		\$5,898	\$8,395	\$8,815
	Wetlands Scientist			
	Automation Specialist			
	Process Specialist			
	Senior Scientist			
	Asset Maintenance Coordinator			
Salary Grade 33.N		\$6,070	\$8,639	\$9,071
,	Operations Coordinator			
Salary Grade 34.N		\$6,250	\$8,878	\$9,323
. ,	Electrical/Instrumentation Designer	, , ====		
Salary Grade 35.N		\$6,438	\$9,144	\$9,602

# **IRVINE RANCH WATER DISTRICT MONTHLY SALARY GRADE SCHEDULE**

# **Non-Exempt Supervisors Unit Effective December 10, 2018**

**NON-EXEMPT** 

			EXCEPTIONAL PERFORMANCE TOP OF
	MINIMUM	MAXIMUM	RANGE
	4,967	7,063	7,416
	5,110	7,270	7,634
	5,259	7,486	7,862
	5,415	7,704	8,089
	5,580	7,932	8,329
	5,745	8,171	8,579
isor isor			

Salary Grade S 26.N	4,967	7,063	7,416
Salary Grade S 27.N	5,110	7,270	7,634
Salary Grade S 28.N	5,259	7,486	7,862
Salary Grade S 29.N	5,415	7,704	8,089
Salary Grade S 30.N	5,580	7,932	8,329
Salary Grade S 31.N  Cross Connection Supervisor  Facilities Services Supervisor  Fleet Supervisor	5,745	8,171	8,579
Salary Grade S 32.N  Collection Systems Supervisor  Mechanical Services Supervisoor	-5,910	8,412	8,833
Salary Grade S 33.N Water Maintenance Supervisor	6,082	8,657	9,090
Salary Grade S 34.N  Construction Inspection Supervisor Automation Supervisor Electrical Supervisor Instrumentation Supervisor	6,263	8,896	9,342
Salary Grade S 35.N  Operations Supervisor	6,452	9,163	9,622

December 10, 2018

Prepared by: M. Tettemer

Submitted by: P. Weghorst PA

Approved by: Paul A. Cook

### CONSENT CALENDAR

# ADOPTION OF THE 2018 SOUTH ORANGE COUNTY INTEGRATED REGIONAL WATER MANAGEMENT PLAN

# **SUMMARY:**

In 2010, Irvine Ranch Water District became a member of the Executive Committee for the South Orange County Watershed Management Area (SOCWMA) and adopted the 2005 South Orange County Integrated Regional Water Management Plan (IRWMP). The IRWD Board passed a resolution in 2013 adopting an update to the IRWMP that complied with Proposition 84 guidelines. In 2018, the County of Orange, with input from the SOCWMA Executive Committee member agencies and stakeholders, updated the IRWMP to comply with Proposition 1 guidelines. As a result of this update, the County of Orange is asking each member agency to adopt the updated IRWMP. Staff recommends that the Board adopt a resolution adopting the 2018 update to the IRWMP for the South Orange County Watershed Management Area.

# BACKGROUND:

In June 2005, the IRWMP for the SOCWMA was adopted, accepted and/or supported by the City Councils and Boards of all agencies participating in the process. In 2010, the County of Orange led an effort to create a cooperative entity similar to the Newport Bay Watershed Executive Committee. This south Orange County cooperative, called the SOCWMA Executive Committee, now has 22 public member agencies including the County of Orange, 11 cities and 10 water agencies. IRWD joined this new group in 2010, and adopted the 2005 version of the IRWMP.

California voters passed Proposition 84, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act in November 2006, which required that Integrated Regional Water Management Plans be updated to comply with new guidelines to be eligible for Proposition 84 grant funding. The IRWMP was updated in 2013 to comply with Proposition 84 Plan Standards issued by the California Department of Water Resources (DWR). The 2013 IRWMP was adopted July 18, 2013, by unanimous vote of the SOCWMA Executive Committee. IRWD adopted the updated IRWMP on August 26, 2013. Under the 2013 IRWMP, IRWD received a \$500,000 grant from Proposition 84 to help fund the Baker Water Treatment Plant.

Proposition 1 passed in November 2014 and is known as the Water Quality, Supply and Infrastructure Improvement Act of 2014 and similarly requires that IRWMPs be updated to be eligible for Proposition 1 grant funding. Over the past year, numerous meetings and workshops were held which focused on updating the plan to make it more current and to meet DWR standards. These updates included describing a new data management system, adding a Stormwater Resource Plan, updating the Climate Change analysis to meet new standards, describing the water needs assessment process and providing technical revisions to the Salt and Nutrient Management Plan.

At its May 3, 2018 meeting, the SOCWMA Executive Committee voted to adopt the 2018 IRWMP after a member agency and stakeholder update process, which included several meetings and

Consent Calendar: Adoption of the 2018 South Orange County

Integrated Regional Water Management Plan

December 10, 2018

Page 2

workshops. In accordance with Proposition 1 Guidelines and Plan Standards, agencies that will receive grant funding must also adopt the 2018 IRWM Plan. Following approval and adoption of the 2018 IRWM Plan, County staff will work with member agencies and stakeholders to develop a slate of projects for submittal to DWR for Proposition 1 IRWM grant funding. The County, on behalf of the SOCWMA, recently released a call for projects.

Staff recommends the Board adopt a resolution adopting the 2018 South Orange County Integrated Regional Water Management Plan. The draft resolution is attached as Exhibit "A". Exhibit "B" is the Introduction of the 2018 South Orange County Integrated Regional Water Management Plan.

# FISCAL IMPACTS:

None.

# **ENVIRONMENTAL COMPLIANCE:**

Not applicable.

# **COMMITTEE STATUS:**

This item was reviewed at the December 4, 2018, Water Resources Policy and Communications Committee Meeting.

## RECOMMENDATION:

THAT THE BOARD ADOPT THE FOLLOWING RESOLUTION BY TITLE:

## Resolution No. 2018 -

RESOLUTION OF THE BOARD OF DIRECTORS OF THE IRVINE RANCH WATER DISTRICT ADOPTING THE 2018 SOUTH ORANGE COUNTY INTEGRATED REGIONAL WATER MANAGEMENT PLAN

# LIST OF EXHIBITS:

Exhibit "A" – Resolution Adopting the 2018 South Orange County Integrated Regional Water Management Plan

Exhibit "B" – Introduction to the 2018 South Orange County Integrated Regional Water Management Plan

### **EXHIBIT "A"**

### **RESOLUTION NO. 2018 -**

# RESOLUTION OF THE BOARD OF DIRECTORS OF THE IRVINE RANCH WATER DISTRICT ADOPTING THE 2018 SOUTH ORANGE COUNTY INTEGRATED REGIONAL WATER MANAGEMENT PLAN

Regional planning serves an important function in watersheds throughout California as regional stakeholders work to solve watershed challenges in a collaborative fashion.

In 2004, the County of Orange, cities, and water agencies formed a regional watershed management group that would later be known as the South Orange County Watershed Management Area (SOCWMA) Executive Committee, which in 2005 prepared an Integrated Regional Water Management Plan (IRWMP).

In 2010, Irvine Ranch Water District became a member of the SOCWMA Executive Committee and adopted the 2005 IRWMP.

In 2013, the SOCWMA Executive Committee adopted an updated IRWMP, which was revised to comply with Proposition 84 guidelines. Irvine Ranch Water District thereafter adopted the 2013 IRWMP.

In 2018, the SOCWMA Executive Committee adopted an updated IRWMP, which was revised to comply with Proposition 1 guidelines. These updates included describing a new data management system, adding a Stormwater Resource Plan, updating the Climate Change analysis to meet new standards, describing the water needs assessment process, and providing technical revisions to the Salt and Nutrient Management Plan. Each member agency must adopt the updated IRWMP in order for that agency to be eligible for IRWM Proposition 1 grant funding.

Irvine Ranch Water District supports the SOCWMA Executive Committee and the continual improvement of the IRWMP for the benefit of South Orange County Watershed Management Planning Area.

## The Board of Directors of the Irvine Ranch Water District therefore resolves as follows:

The Irvine Ranch Water District hereby adopts the 2018 South Orange County Integrated Regional Water Management Plan as the integrated watershed plan for the area referred to by the County of Orange as the South Orange County Watershed Management Area.

ADOPTED, SIGNED and APPROVED December 10, 2018.

President, IRVINE RANCH WATER DISTRICT and of the Board of Directors thereof

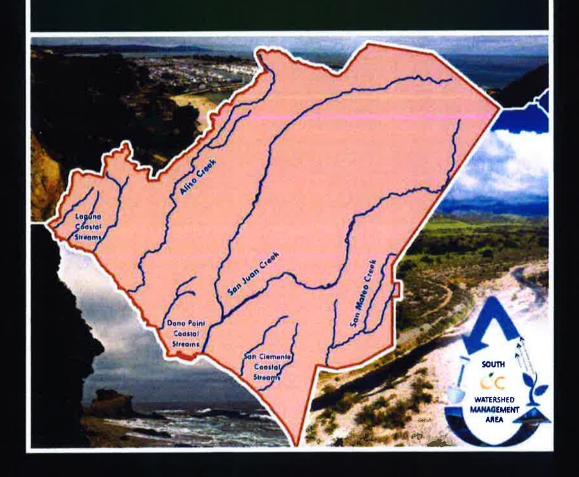
Secretary,	RVINE RANCH WATER DISTRIC	Γ
and of the	Board of Directors thereof	

APPROVED AS TO FORM: Lewis Brisbois Bisgaard & Smith, LLP	
By District Counsel	

# INTEGRATED REGIONAL WATER MANAGEMENT

# PLAN

FOR SOUTH ORANGE COUNTY



Cover art courtesy of Orange County Water District

# South Orange County Integrated Regional Watershed Management Plan Contacts

# **County of Orange**

Orange County Watersheds
Orange County Department of Public Works
2301 N. Glassell Street
Orange, California 92865
<a href="http://www.ocwatersheds.com">http://www.ocwatersheds.com</a>
Jenna Voss jenna.voss@ocpw.ocgov.com
Grant Sharp grant.sharp@ocpw.ocgov.com

# **IRWM Group Agencies and Contacts:**



City of Aliso Viejo
12 Journey, Suite 100
Aliso Viejo, California 92656
(949) 425-2500
<a href="http://www.cityofalisoviejo.com/">http://www.cityofalisoviejo.com/</a>
Moya Yahya <a href="mailto:myahya@cityofalisoviejo.com/">myahya@cityofalisoviejo.com/</a>
Shaun Pelletier <a href="mailto:spelletier@cityofalisoviejo.com">spelletier@cityofalisoviejo.com</a>



City of Dana Point
33282 Golden Lantern
Dana Point, California 92629
(949) 248-3500
<a href="http://www.danapoint.org">http://www.danapoint.org</a>
Lisa Zawaski <a href="mailto:lzawaski@danapoint.org">lzawaski@danapoint.org</a>
Matt Sinacori, <a href="mailto:msinacori@danapoint.org">msinacori@danapoint.org</a>



City of Laguna Beach
505 Forest Avenue
Laguna Beach, California 92651
(949) 497-0328
<a href="http://www.lagunabeachcity.net">http://www.lagunabeachcity.net</a>
David Shissler <a href="mailto:dshissler@lagunabeachcity.net">dshissler@lagunabeachcity.net</a>
Mary Vondrak <a href="mailto:mvondrak@lagunabeachcity.net">mvondrak@lagunabeachcity.net</a>



City of Laguna Hills
24035 El Toro Road
Laguna Hills, California 92653
(949) 707-2600
http://www.ci.laguna-hills.ca.us
Ken Rosenfield krosenfield@lagunahillsca.gov
Amber Shah ashah@lagunahillsca.gov
City of Laguna Niguel







City of Laguna Woods
24264 El Toro Road
Laguna Woods, California 92637
(949) 639-0500
<a href="http://www.cityoflagunawoods.org">http://www.cityoflagunawoods.org</a>
Chris Macon <a href="macon@cityoflagunawood.org">cmacon@cityoflagunawood.org</a>
Moya Yahya <a href="mayahya@cityofalisoviejo.com">myahya@cityofalisoviejo.com</a>



City of Lake Forest
25550 Commercentre Drive
Lake Forest, California 92630
(949) 461-3400
<a href="http://www.lakeforestca.gov">http://www.lakeforestca.gov</a>
Devin Slaven <a href="mailto:dslaven@lakeforestca.gov">dslaven@lakeforestca.gov</a>
Thomas Wheeler twheeler@lakeforestca.gov



City of Mission Viejo
200 Civic Center
Mission Viejo, California 92691
(949) 470-3000
<a href="http://cityofmissionviejo.org">http://cityofmissionviejo.org</a>
Joe Ames <a href="mailto:james@cityofmissionviejo.org">james@cityofmissionviejo.org</a>
Rich Schlesinger <a href="mailto:jssionviejo.org">jssionviejo.org</a>



City of Rancho Santa Margarita
22112 El Paseo
Rancho Santa Margarita, California 92688
(949) 635-1800
<a href="http://www.cityofrsm.org">http://www.cityofrsm.org</a>
E. Maximous <a href="maximous@cityofrsm.org">emaximous@cityofrsm.org</a>
Hazel McIntosh <a href="maximotosh@cityofrsm.org">hmcintosh@cityofrsm.org</a>



City of San Clemente 100 Avenida Presidio San Clemente, California 92672 (949) 361-8200

http://san-clemente.org/home

David Rebensdorf <u>rebensdorfd@san-clemente.org</u> Cynthia Mallett <u>MallettC@san-clemente.org</u>



City of San Juan Capistrano 32400 Paseo Adelanto San Juan Capistrano, California 92675 (949) 493-1171

http://www.sanjuancapistrano.org Hossein Ajideh <u>HAjideh@sanjuancapistrano.org</u>



El Toro Water District 24251 Los Alisos Boulevard Lake Forest, California 92630 (949) 837-0660 http://www.etwd.com

Bob Hill <u>bhill@etwd.com</u> Dennis Cafferty <u>dcafferty@etwd.com</u>



Irvine Ranch Water District 15600 Sand Canyon Avenue Irvine, California 92618 (949) 453-5300 http://www.irwd.com

Paul Cook <u>cook@irwd.com</u>
Mark Tettemer tettemer@irwd.com



Laguna Beach County Water District
306 3rd Street
Laguna Beach, CA 92651
(949) 494-1041
David Youngblood dyoungblood@lbcwd.org
Renae Hinchey rhinchey@lbcwd.org



Moulton Niguel Water District 27500 La Paz Road Laguna Niguel, California 92677 (949) 831-2500

http://www.mnwd.com
Rodney Woods <u>RWoods@mnwd.com</u>
Matt Collings mcollings@mnwd.com



Municipal Water District of Orange County P.O. Box 20895 Fountain Valley, California 92728 (714) 963-3058

http://www.mwdoc.com

Karl Seckel <u>kseckel@mwdoc.com</u>
Charles Busslinger <u>cbusslinger@mwdoc.com</u>

Joe Berg jberg@mwdoc.com



Santa Margarita Water District 26111 Antonio Parkway Las Flores, California 92688 (949)459-6400 http://www.smwd.com

Daniel Ferons danf@smwd.com
Don Bunts donb@smwd.com



South Coast Water District
31592 West Street
Laguna Beach, California 92651
(949) 499-4555
<a href="http://www.scwd.org">http://www.scwd.org</a>
Andrew Brunhart <a href="mailto:abrunhart@scwd.org">abrunhart@scwd.org</a>
Rick Shintaku <a href="mailto:rshintaku@scwd.org">rshintaku@scwd.org</a>



South Orange County Wastewater Authority 34156 Del Obispo Street Dana Point, California 92629 (949) 324-5421 http://www.socwa.com

Betty Burnett <u>bburnett@socwa.com</u> Amber Baylor <u>abaylor@socwa.com</u>



Trabuco Canyon Water District 32003 Dove Canyon Drive. Trabuco Canyon, California 92679 (949) 858-0277

http://www.tcwd.ca.gov/ Hector Ruiz, P.E. hruiz@tcwd.ca.gov

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South Orange County	Watershed	Management	Are
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<b>South Orange County</b>	Watershed	Management	Are
IRWM Plan			

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§ subsection AB Assembly Bill

ABBRA American Boat Builders & Repairers Association

AFY Acre Feet per Year

ALERT Automatic Local Evaluation on Real Time

AMP Allen-McColloch Pipeline

AOGCM Atmosphere Ocean General Circulation Models

ASBS Areas of Special Biological Significance

ATM Aufdenkamp Transmission Main BLRP Bacteria Load Reduction Plans BMP Best Management Practice

BOS Board of Supervisors

CARB California Air Resources Board

CBP Clean Beach Project
CCA Critical Coastal Area

CDFW California Department of Fish and Wildlife

CDP Census Designated Place

CEC Constituents of Emerging Concern

CEDEN California Environmental Data Exchange Network
CEFCAC City Engineers Flood Control Advisory Committee
CEIC California Environmental Information Catalog

CEQA California Environmental Quality Act

CERES California Environmental Resources Evaluation System

cfs Cubic Feet per Second

CIP Capital Improvement Program
CLRP Comprehensive Load Reduction Plan
CLWC California Latino Water Coalition

CRA Colorado River Aqueduct

CSRM Constantly Stirred Reactor Model

CTP Coastal Treatment Plan

CWA Clean Water Act
CWC California Water Code
CWP California Water Plan

CWRP Chiquita Water Reclamation Plant

CUWCC California Urban Water Conservation Council

DAC Disadvantaged Communities
DAMP Drainage Area Management Plan

DMS Data Management System

DRPP Demand, Runoff, and Pollution Prevention

DWR Department of Water Resources

EC Executive Committee

EDA Economically Distressed Areas

EIR Environmental Impact Report

EO Executive Order

EPA Environmental Protection Agency

ET Evapotranspiration
ETWD El Toro Water District

FACC Funding Area Coordination Committee
FEMA Federal Emergency Management Agency

FEIR Final Environmental Impact Report

FIB Fecal Indicator Bacteria
FOG Fats, Oil and Grease
GAC Granular Activated Carbon

GAMA Groundwater Ambient Monitoring and Assessment

GCM Global Climate Model

GERA Gobernadora Ecological Resource Area

GIS Geographic Information System

GHG Greenhouse Gas

GPCD Gallons per Capita Daily
GPM Gallons per Minute

GRF Groundwater Recovery Facility
GSWC Golden State Water Company

GWFMP Groundwater and Facilities Management Plan

GWRP Groundwater Recovery Project
HCP Habitat Conservation Plan
HECW High Efficiency Clothes Washer

HET High Efficiency Toilet

HMP Hydromodification Management Plan
HPWQC Highest Priority Water Quality Conditions
HRMP Habitat Reserve Management Program

HSA Hydrologic Subarea

IRP Integrated Water Resources Plan

IRWD Irvine Ranch Water District

IRWM Integrated Regional Water Management
JRTM Joint Regional Tri-Cities Transmission Main

JRTP Joint Regional Treatment Plan
LAWRP Los Alisos Water Reclamation Plant
LBCWD Laguna Beach County Water District

LHA Latino Health Access

LIP Local Implementation Plan

LRP Local Resources Program

MEP Maximum Extent Practicable

MC Management Committee

MCL Maximum Contaminant Level

AC-2

MGD Million gallons per day
MHI Median Household Income
MNWD Moulton Niguel Water District
MOU Memorandum of Understanding

MPA Marine Protected Area

MS4 Municipal Separate Storm Sewer System
MSCP Multiple Species Conservation Program
MSHCP Multi-Species Habitat Conservation Plan

MST Microbial Source Tracking
MTBE Methyl Tert-Butyl Ether

MET Metropolitan Water District of Southern California

MWDOC Municipal Water District of Orange County

MWRP Michelson Water Reclamation Plant
NCC Natural Communities Coalition

NCCP Natural Communities Conservation Plan

NCI North Coast Interceptor

NRCS

NFIP National Flood Insurance Program NGO Non-Government Organization

NHEC National Hispanic Environmental Council

NOAA National Oceanic and Atmospheric Administration
NPDES National Pollutant Discharge Elimination System

**Natural Resource Conservation Service** 

NROC Nature Reserve of Orange County
OCFD Orange County Flood Control District
OCHCA Orange County Health Care Agency
OCSD Orange County Sanitation District
OCSP Orange County Stormwater Program
OCTA Orange County Transportation Authority

OCWD Orange County Water District
OPR Office of Planning and Research
PEA Program Effective Assessment
POTWs Publicly Owned Treatment Works
QA/QC Quality Assurance/Quality Control

RAC Regional Action Committee RAP Regional Action Project

RCFCWCD Riverside County Flood Control and Water Conservation District

RCWD Rancho California Water District
RMS Resource Management Strategies

RMV Rancho Mission Viejo, LLC

RO Reverse Osmosis

ROWD Report of Wastewater Discharge

RRWRP Robinson Ranch Water Reclamation Plant

AC-3

RTP Regional Treatment Plant

RWMG Regional Watershed Management Group
RWQCB Regional Water Quality Control Board

SAMP Special Area Management Plan

SANDAG San Diego Association of Governments

SARWQCB Santa Ana Regional Water Quality Control Board

SB Senate Bill

SBPAT Structural BMP Prioritization and Analysis Tool
SCAG Southern California Association of Governments
SCCWRP Southern California Coastal Water Research Project

SCCWRRS Southern California Comprehensive Water Reclamation and Reuse Study

SCWD South Coast Water District

SDCWA San Diego County Water Authority

SDGE San Diego Gas and Electric
SDP Seawater Desalination Program

SDRWQCB San Diego Regional Water Quality Control Board

SEP Supplemental Environmental Project

SERRA South East Regional Reclamation Authority

SFHA Special Flood Hazard Area

SIPP Source Identification Protocol Project

SJBA San Juan Basin Authority
SJHU San Juan Hydrologic Unit

SJVGB San Juan Valley Groundwater Basin
SmarTimer Weather-Based Irrigation Controller
SMC Stormwater Monitoring Coalition
SMWD Santa Margarita Water District
SNMP Salt and Nutrient Management Plan

SOCWA South Orange County Wastewater Authority
SOCWRS South Orange County Water Reliability Study
SWAMP Surface Water Ambient Monitoring Program
SWRCB State Water Resources Quality Control Board

SWRCB State Water Resources Quality Contri SWRP Stormwater Resource Plan

TAF Thousand-Acre-Feet
TBA Tert Butyl Alcohol
TCE Trichloroethylene

TCWD Trabuco Canyon Water District

TDS Total Dissolved Solids
TMDL Total Maximum Daily Load

USACE United States Army Corps of Engineers (The Corps)

USBOR United States Bureau of Reclamation
USDA United States Department of Agriculture
USFWS United States Fish and Wildlife Service

AC-4

USGS	United States Geological Survey	
UST	Underground Storage Tanks	
UV	Ultraviolet	
UWMP	Urban Water Management Plan	
VOC	Volatile Organic Compound	
WAP	Watershed Action Plan	
WDL	Water Data Library	
WEI	Wildermuth Environmental, Inc.	
WMA	Watershed Management Area	
WSL	Water Smart Landscape	
WQIP	Water Quality Improvement Plan	
WQMP	QMP Water Quality Management Plan	
WRCOG	Western Riverside Council of Governments	
WUE	Water Use Efficiency	

## SOUTH ORANGE COUNTY WATERSHED MANAGEMENT AREA 2017 INTEGRATED REGIONAL WATER MANAGEMENT PLAN An Integrated, Healthy and Balanced Watershed

The South Orange County Integrated Regional Water Management (IRWM) Plan has been developed from, and coordinates with, existing plans and research documents provided by the participating agencies in a manner that identifies and integrates regional projects to improve water supply, protect water quality, enhance the environment, and provide flood risk management. This Plan establishes a priority ranking to help further regional efforts to investigate the feasibility of, and identify funding for, these projects. Individual projects, however will go through the appropriate environmental review and permitting process as funding is secured.

#### 1 INTRODUCTION

Located along the scenic and temperate southern coast of California, South Orange County is rich with history. Legacies passed on from native societies, once expansive cattle ranches, and twentieth-century entrepreneurial farmers remain a part of the area's culture today. From the landmark Mission San Juan Capistrano near the stunning western coastline to the United States Department of Agriculture (USDA), Forest Service, Cleveland National Forest in the east, South Orange County continues to be a destination known for beauty and a high quality of life.

Following the national migration trends after World War II that drew citizens to Sunbelt cities, the region transitioned into one of the newest areas of urban development in the early 1960's. Several cities have been incorporated over the subsequent decades during which population increased to approximately 600,000 residents. Most of the coastline is developed and additional urbanization is anticipated in the backcountry ranch land over the next 20- years. Today, the region's social and cultural makeup includes a unique mix of equestrian lifestyle, authentic Mexican/Hispanic culture, and a progressive business industry.

The Juaneño Band of Mission Indians traditionally known as the Acjachemen nation is the indigenous Native American Indian tribe of the lands now known as Orange and San Diego Counties. The Acjachemen territory extended from Las Pulgas Creek in northern San Diego County, up into the San Joaquin Hills along the Orange County's central coast, and inland from the Pacific Ocean up into the Santa Ana Mountains. The bulk of the population occupied the outlets of two large creeks, San Juan Creek and San Mateo Creek. The Juaneño Band of Mission Indians is on the contact list maintained by the Native American Heritage Commission and they are included in this Plan as a South Orange County stakeholder; however, the Juaneño Band is not federally recognized, nor is the tribe land owning. They are headquartered in the City of San Juan Capistrano.

The region's economy has come into its own from the shadows of Los Angeles to the north and San Diego to the south with a unique technological and business infrastructure. This is demonstrated by the diversity of industries represented – from medical devices to construction – as well as intellectual resources to support this diversity. Stakeholders in the area are comprised of residents, businesses, and water agencies/Cities as described in **Section 2.3**Regional Water Management Responsibilities. **Figure 1-1** on the following page shows a map of South Orange County.

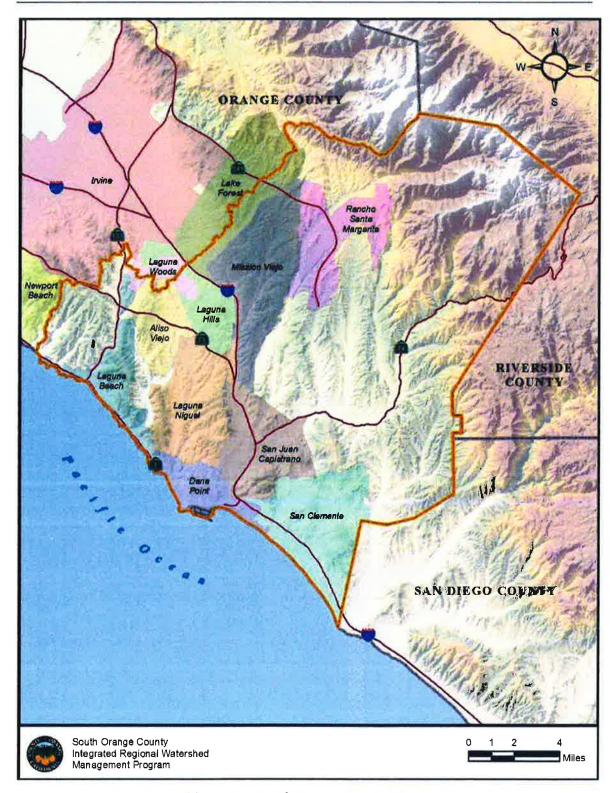


Figure 1-1: South Orange County Map

Water is the key element for sustaining the South Orange County economy, allowing the region to thrive. Significant local investments in water, sewer, and flood infrastructure have been made in the past to serve the area on a reliable basis. Planning and associated investments to carry the region through the next 25-year planning horizon are central to preserving the quality of life in South Orange County. Planning for flood management; surface runoff management; watershed management; water use efficiency (WUE); water supply and reliability; recycled water; habitat preservation, conservation and restoration; water quality protection and improvement; resource stewardship; and related water resource management strategies (RMSs) is critical. Figure 1-2 shows the South Orange County IRWM Plan Goals, which are discussed in further detail below and in Section 4 Objectives.

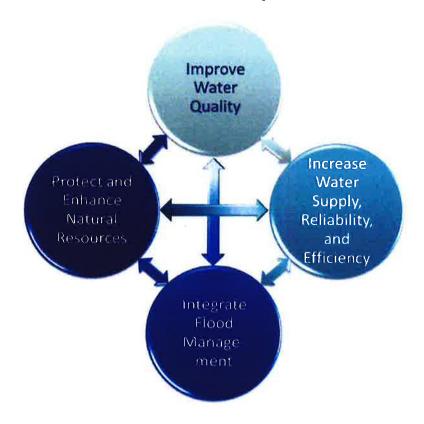


Figure 1-2: South Orange County IRWM Plan Goals

#### Water Resource Planning in South Orange County

Water quality improvement efforts over the last decade have resulted in significant improvements in coastal water quality along the County's beaches. The Heal the Bay Annual Report (2016) states that the County grades for year-round dry weather were excellent and wet weather grades fair, besting the five-year average for dry weather. Coastal and surface water quality remains an important component of the region's IRWM planning. Key goals for the region include reducing runoff and improving the water quality in streams and along beaches.

Another key goal of the region is expansion, protection and efficient use of local and regional water supplies, as described in **Section 4.1.2**. As a whole, South Orange County water supply is predominately from imported sources, making the region subject to outside conditions and agencies. The South Orange County IRWM Plan is aimed at diversifying water sources by developing a variety of local opportunities to decrease reliance on imported sources. For example, the local San Juan Groundwater Basin¹ has been the subject of multiple management programs for treating brackish waters and managing wet year supplies for use during dry year conditions. South Orange County agencies are leaders in implementing water recycling projects to turn wastewater into a resource. Urban water reuse projects are being developed to reduce runoff and utilize local resources. Additionally, water use efficiency projects have become a standard for water management, including Weather-Based Irrigation Controllers (SmarTimer), drip irrigation, rain barrel and landscape retrofit programs. Indeed, a clear nexus exists between projects needs for water quality and water supply. Protection of surface water quality beneficial uses can align with opportunities to enhance local supply through water reclamation, conservation, stormwater capture/treatment, and groundwater and seawater desalination.

South Orange County agencies and stakeholders place a strong emphasis on watershed planning and integration. Over the past decade, the County, cities, water and wastewater agencies and public stakeholders have participated in watershed-level studies and plans to assess and develop projects to enhance the overall health of South Orange County watersheds (Aliso Creek, Dana Point Coastal Streams, Laguna Coastal Streams, San Juan Creek, San Clemente Coastal Streams, and San Mateo Creek). Water quality efforts are described in Sections 3.3.4, 4.3.2, 5.4.2, and 13.4. These efforts include, but are not limited to:

• Watershed Management Plans were completed for the Aliso Creek, and San Juan Creek watersheds. These were among the first efforts to study overall watershed health and included recommendations and actions for implementation on a collective basis among the many watershed partners. Watershed Workplans² were developed and updated through 2014 for the watersheds in the San Diego Region to comply with Directive G of the San Diego Regional Water Quality Control Board's (SDRWQCB) Order (Regional Board Order No. R9-2009-0002). The Watershed Workplans described the Watershed Permittees' development and implementation of a collective watershed strategy to assess and prioritize the water quality challenges within the watershed's receiving waters, identify and model sources of the highest priority water quality problem(s), develop a watershed-wide Best Management Practices (BMP) implementation strategy to abate highest priority water quality problems, and a monitoring strategy to evaluate BMP effectiveness and changing water quality prioritization in the watershed.

<sup>&</sup>lt;sup>1</sup> State Department of Water Resources California's Groundwater Bulletin 118 refers to the "San Juan Valley Groundwater Basin" for the South Coast Hydrologic Region.

<sup>&</sup>lt;sup>2</sup> OC Watersheds, Watershed Workplans, available online 6/28/16: http://prg.ocpublicworks.com/DocmgmtInternet/Search.aspx

- Comprehensive water quality analyses for South Orange County watersheds, including annual water quality analyses for Aliso Creek watershed<sup>3</sup>, a San Juan Creek Watershed Bacterial Study<sup>4</sup>, and the 2014 Report of Waste Discharge State of the Environment Report<sup>5</sup> which provided a comprehensive watershed-based review of TMDL and NPDES compliance over several years and utilized indices of watershed health apart from water quality exceedances.
- Watershed Infiltration Hydromodification Management Plan (WIHMP) mapping tools developed in 2014-15 provided an initial GIS screening tool for infiltration BMP site suitability at a watershed and sub-watershed level; analysis considered land use, soils, slope, ownership, channel morphology and drainage<sup>6</sup>.
- A Water Quality Improvement Plan (WQIP) was developed by the County and South Orange County cities for all watersheds in South Orange County (the San Juan Hydrologic Unit) and submitted in April 2017 to comply with SDRWQCB Order No. R9-2013-0001 as amended by R9-2015-0001 and R9-2015-0100 (CAS0109266, also referred to as the Fifth Term MS4 NPDES Permit). The WQIP establishes water quality priorities for the watershed area based upon a comprehensive watershed-based geospatial and index-based analysis of water quality, geomorphic and hydrologic data<sup>7</sup>. The WQIP development process provided for extensive stakeholder and public input and review; WQIP implementation will continue to involve stakeholders.
- An Orange County Stormwater Resource Plan (OC SWRP) was produced to meet functional equivalency for SB 985 and to provide watershed-based planning for stormwater projects in Orange County. The OC SWRP aligns with the South Orange County IRWM Plan in many ways, including watershed planning, identification and prioritization of projects and establishing watershed-based priorities inclusive of water quality, water supply, natural resources and flood management. The OC SWRP has been included in the IRWM Plan as **Appendix L.** For more information about the OC SWRP, please visit the webpage.

Another example of the region's progressive approach to water management is the Municipal Water District of Orange County (MWDOC) and the South Orange County water districts' ongoing commitment to water supply system reliability. MWDOC completed a new Orange County Reliability Study in December 2016. Phase 1 of the study completed in December 2015 estimated supply and system gaps between forecasted water demands and existing/planned water supplies, with water demand forecast and supply gap analysis, Orange County supply simulation modeling, and Orange County basin simulation modeling. Phase 2 of the study

<sup>&</sup>lt;sup>3</sup> Annual water quality assessments for Aliso Creek

<sup>&</sup>lt;sup>4</sup> San Juan Creek Watershed Bacterial Study

<sup>5 2014</sup> Report of Waste Discharge - San Diego Region State of the Environment

<sup>&</sup>lt;sup>6</sup> WIHMP mapping data available at OC Environmental Resources GIS Portal

<sup>&</sup>lt;sup>7</sup> The <u>WQIP</u> was submitted to the SDRWQCB on April 1, 2017; the WQIP will not be in effect until receipt of SDRWQCB approval. Stakeholder and public involvement is described <u>here</u>.

develops and evaluates illustrative portfolios of additional supply projects that could be implemented by the Metropolitan Water District of Southern California (MET) and MET member agencies, which includes all Orange County agencies. Phase 2 was completed in August 2016 and the final report completed in December 2016. The study is highly collaborative, involving over 25 meetings of a workgroup made up of managers from MWDOC, MWDOC member agencies, Orange County Water District (OCWD), and the cities of Anaheim, Fullerton, and Santa Ana.

## IRWM Planning in South Orange County & Protection of Water Resources

The region embraced the IRWM Planning Act of 2002 to enhance forward planning in an even more coordinated fashion. In 2008, SBX2-1 (Perata) repealed and replaced the IRWM Planning Act and appropriated funding from two initiatives passed by voters in 2006 - Proposition 84 and Proposition 1E.

The County of Orange, cities, and water and wastewater agencies of South Orange County formed the South Orange County IRWM Group in 2004 and subsequently developed and adopted the South Orange County IRWM Plan in 2005. The IRWM Group established the South Orange County IRWM region as a cooperative framework for planning and implementing water management strategies in the region.

The South Orange County IRWM Group was recognized as a region during the Proposition 50 IRWM Program Implementation Grant effort in 2005. In 2007, the South Orange County IRWM Region was awarded Proposition 50 funding. Subsequently in 2009 the South Orange County Watershed Management Area (WMA) was recognized as a region during Department of Water Resources (DWR) Regional Acceptance Process.

The South Orange County IRWM Group embraces the IRWM model because it brings together short term and long term management strategies that will protect and enhance water resources in the WMA. The South Orange County agencies maintain the belief that water management strategies can, and should be, integrated to provide a reliable water supply, protect and improve water quality, and achieve other objectives.

The IRWM Plan is designed to help local agencies and governments manage their water, wastewater, and ecological resources. The purpose of the IRWM Group in developing this Plan is to identify potential projects intended to improve water quality and supply in order to investigate their feasibility, engage in long range water planning, establish priorities among the proposals of the member entities and obtain potential funding. As the IRWM Plan is implemented, the County, as agent of the State of California, will serve as a conduit for funding to the individual agencies proposing the projects. This IRWM Plan does not commit any resources to implementation of any project nor does its creation constitute a commitment by the County or any member entity to carry out any of the proposed projects. Determinations to proceed with individual projects and required environmental review under the California Environmental Quality Act (CEQA) will be performed by the individual agencies prior to approval of funding.

Agencies within the coastal zone of South Orange County face unique environmental challenges relative to inland areas, including the protection of millions of visitors who utilize the ocean for recreation each year, as well as protection of the unique marine resources from polluted runoff. This IRWM Plan includes strategies to comply with the Porter-Cologne Act and Clean Water Act (CWA), and protect beneficial uses of receiving waters to improve water quality of the coastline. Within the South Orange County WMA, the County coastline includes one Area of Special Biological Significance (ASBS) and Heisler Park Ecological Reserve. In addition, there are three locations within the South Orange County WMA that are on the California's Critical Coastal Areas (CCA) list – San Juan Creek, Aliso Creek, and Heisler Park Ecological Reserve.

This IRWM Plan supports the state priorities that relate to the California Water Plan (CWP) Update 2013, the Delta Stewardship Council, the DWR Water Recycling Task Force Recommendations, the State Water Resources Control Board (SWRCB) Recycled Water Policy, Governor Schwarzenegger's 20x2020 Water Conservation Plan of 2010, Greenhouse Gas (GHG) emissions reduction goals of AB 32, the Water Desalination Task Force Recommendations, the California Ocean Plan, the California Watershed Action Plan, the TMDL List, the comprehensive Orange County Drainage Area Management Plan (DAMP) and subsequent Reports of Wastewater Discharge (ROWD), and the Regional Water Boards Watershed Management Initiative Chapters.

The 2018 IRWM Plan update further addresses updated Climate Change Standards, CEQA Tribal Consultation changes, amendments to the IRWM Planning Act related to IRWMs with nitrate, arsenic, perchlorate, or hexavalent chromium contamination (AB 1249), incorporation of the Orange County Stormwater Resource Plan (OC SWRP) per SB 985, and amended standards for determining Economically Distressed Areas (EDAs). The Plan considers IRWM planning concepts and aforementioned State standards/legislation through the integration of projects and programs that incorporate a wide range of water management strategies. Beneficial effects from implementation of proposed projects and programs will contribute to the goals and objectives of the local, regional and statewide priorities.

In addition to State Standards and goals, this IRWM Plan incorporates the 2016 South Orange County WMA regional priorities developed by the Executive Committee through an extensive strategic visioning process to: 1) Develop sustainable water supplies, 2) Cultivate storage for potable and recycled water, and stormwater/low flow capture, and 3) Foster regional projects to maximize water resources. These regional priorities support the Region's IRWM Plan Goals by closely aligning with the Statewide Priorities discussed in Section 4.1.1 and the RMS discussed in Section 5. IRWM Plan Objectives discussed in Section 4 also support these priorities. As the strategic visioning process was intended to capture priorities based upon known current conditions, the priorities will be updated as needs shift within WMA.

December 10, 2018

Prepared by: Eileen Lin
Submitted by: Clary Clary
Approved by: Paul A. Cook

CONSENT CALENDAR

## FY 2017-18 COMPREHENSIVE ANNUAL FINANCIAL REPORT

## SUMMARY:

The District's auditor, Davis Farr LLP has completed its annual audit of the District's financial statements for the Fiscal Year (FY) ended June 30, 2018. As stated in its report, Davis Farr concluded that in all material aspects, the statements fairly present the District's financial position as of June 30, 2018 and conform with generally accepted accounting principles.

A draft of the Comprehensive Annual Financial Report (CAFR), including the Introductory Section, audited financial statements, accompanying auditor's report, Management's Discussion and Analysis, and Statistical Section is attached as Exhibit "A".

## **BACKGROUND:**

At the Committee meeting, Davis Farr will present its required Auditor Communication pursuant to Statement on Auditing Standards 114 The Auditor's Communication with Those Charged with Governance. This letter, attached as Exhibit "B", reflects the auditor's understanding of key management assumptions and practices and indicates that there were no disagreements with management during the scope of the audit. The auditors have also provided a Report on Internal Control over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with Government Auditing Standards, attached as Exhibit "C", which states that the audit did not identify any material weakness deficiencies in internal control. In addition, the report states that the result of the audit disclosed no instances of noncompliance or other matters that were required to be reported under government auditing standards.

## The IRWD Comprehensive Annual Financial Report:

The FY 2017-18 CAFR is being prepared for the fifteenth consecutive year by the District. All of IRWD's previous CAFRs have won awards from the Government Finance Officers Association (GFOA), which encourages state and local governments to prepare and publish expanded financial reports in conformity with generally accepted accounting principles (GAAP) and provides awards to recognize contributions to the practice of government finance that exemplify outstanding financial management. The awards stress practical, documented work that offers leadership to the profession and promotes improved public finance.

Staff will continue to produce an enhanced electronic version with key references hyperlinked throughout the document. The CAFR will be made available on the IRWD website.

Consent Calendar: FY 2017-18 Comprehensive Annual Financial Report

December 10, 2018

Page 2

## 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.

## **COMMITTEE STATUS:**

This item was reviewed by the Finance and Personnel Committee on November 6, 2018.

## **RECOMMENDATION:**

RECEIVE AND FILE.

## **LIST OF EXHIBITS:**

Exhibit "A" - Draft FY 2017-18 Comprehensive Annual Financial Report

Exhibit "B" – SAS 114 Auditor's Communication with Those Charged with Governance from Davis Farr LLP

Exhibit "C" – Report on Internal Control over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with Government Auditing Standards from Davis Farr LLP

# **EXHIBIT "A"**

# COMPREHENSIVE ANNUAL FINANCIAL REPORT FOR FISCAL YEAR ENDED JUNE 30, 2018

See District Secretary to obtain a copy (document is 136 pages)

## Exhibit "B"



Davis Farr LLP

2301 Dupont Drive | Suite 200 | Irvine, CA 92612 Main: 949.474.2020 | Fax: 949.263.5520

Board of Directors Irvine Ranch Water District Irvine, California

## Communication with Those Charged with Governance at the Conclusion of the Audit

We have audited the financial statements of Irvine Ranch Water District (the "District") for the year ended June 30, 2018. Professional standards require that we provide you with information about our responsibilities under generally accepted auditing standards and *Government Auditing Standards*, as well as certain information related to the planned scope and timing of our audit. We have communicated such information in our letter to you dated June 18, 2018. Professional standards also require that we communicate to you the following information related to our audit.

## **Significant Audit Findings**

## **Qualitative Aspects of Accounting Practices**

Management is responsible for the selection and use of appropriate accounting policies. The significant accounting policies used by Irvine Ranch Water District are described in Note 1 to the financial statements. As described in Note 18 to the financial statements, the District implemented Governmental Accounting Standards Board (GASB) Statement No. 75 related to Other Post Employment Benefit (OPEB) obligations and GASB Implementation Guide 2017-1 related to reporting of the net pension liability and Pension Benefit Trust. The cumulative effect of the Implementation of GASB Statement No. 75 and Implementation Guide 2017-1 as of the beginning of the year is described further in Note 18 to the financial statements. Also, as described in Note 6 to the financial statements, the District implemented GASB 89 related to capitalized interest costs. We noted no transactions entered into by Irvine Ranch Water District during the year for which there is a lack of authoritative guidance or consensus. All significant transactions have been recognized in the financial statements in the proper period.

Accounting estimates are an integral part of the financial statements prepared by management and are based on management's knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ significantly from those expected.

Examples of significant judgments and estimates reflected in the District's financial statements include:

- Judgments concerning which capital project expenditures should be capitalized and depreciated versus expensed in the financial statements and judgments concerning which projects should be placed in service.
- Judgements regarding the fair value of real estate investments.
- Judgments regarding the fair value of interest rate swap agreements.
- Judgements involving the estimated net pension liability

Board of Directors Irvine Ranch Water District Page 2

Judgements involving the estimated OPEB liablity

## Difficulties Encountered in Performing the Audit

We encountered no significant difficulties in dealing with management in performing and completing our audit.

#### Corrected and Uncorrected Misstatements

Professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that are clearly trivial, and communicate them to the appropriate level of management. An immaterial adjustment to reclassify a project from Construction in Process to in service was not recorded. Management has determined that the effect is immaterial, both individually and in the aggregate, to the financial statement taken as a whole.

#### Disagreements with Management

For purposes of this letter, a disagreement with management is a financial accounting, reporting, or auditing matter, whether or not resolved to our satisfaction, that could be significant to the financial statements or the auditor's report. We are pleased to report that no such disagreements arose during the course of our audit.

#### Management Representations

We have requested certain representations from management that are included in the management representation letter dated November 12, 2018.

#### Management Consultations with Other Independent Accountants

In some cases, management may decide to consult with other accountants about auditing and accounting matters, similar to obtaining a "second opinion" on certain situations. If a consultation involves application of an accounting principle to Irvine Ranch Water District's financial statements or a determination of the type of auditor's opinion that may be expressed on those statements, our professional standards require the consulting accountant to check with us to determine that the consultant has all the relevant facts. To our knowledge, there were no such consultations with other accountants.

#### Other Audit Findings or Issues

We generally discuss a variety of matters, including the application of accounting principles and auditing standards, with management each year prior to retention as Irvine Ranch Water District's auditors. However, these discussions occurred in the normal course of our professional relationship and our responses were not a condition to our retention.

#### **Other Matters**

We applied certain limited procedures to *Management's Discussion and Analysis*, *Schedule of Changes in the Net Pension Liability and Related Ratio*, *Schedule of Contributions – Defined Benefit Pension Plan*, *Schedule of Changes in the OPEB Liability and Related Ratio*, *Schedule of Contributions – OPEB*, which are required supplementary information (RSI) that supplements the

Board of Directors Irvine Ranch Water District Page 3

basic financial statements. Our procedures consisted of inquiries of management regarding the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We did not audit the RSI and do not express an opinion or provide any assurance on the RSI.

We were not engaged to report on the Introduction and Statistical Section, which accompany the financial statements but are not RSI. We did not audit or perform other procedures on this other information and we do not express an opinion or provide any assurance on it.

#### **Restriction on Use**

This information is intended solely for the use of Board of Directors and management of Irvine Ranch Water District and is not intended to be, and should not be, used by anyone other than these specified parties.

Irvine, California

November 12, 2018

Davis Feen UP

## Exhibit "C"



**Davis Farr LLP** 

2301 Dupont Drive | Suite 200 | Irvine, CA 92612 Main: 949.474.2020 | Fax: 949.263.5520

Finance Personnel Committee Irvine Ranch Water District Irvine. California

Report on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance With Government Auditing Standards

#### **Independent Auditor's Report**

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States the financial statements of Irvine Ranch Water District (the "District") as of and for the year ended June 30, 2018, and the related notes to the financial statements, which collectively comprise the District's basic financial statements, and have issued our report thereon dated November 12, 2018.

#### **Internal Control over Financial Reporting**

In planning and performing our audit of the financial statements, we considered the District's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the District's internal control. Accordingly, we do not express an opinion on the effectiveness of the District's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

## **Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the District's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances

of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

## Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Irvine, California November 12, 2018

Davis Fan UP

December 10, 2018

Prepared by: C. Smithson,

Submitted by: C. Clary

Approved by: Paul A. Cook

## **CONSENT CALENDAR**

## IRWD TWO-YEAR OPERATING BUDGET AND RATES SETTING CYCLE

## **SUMMARY:**

Historically, the District has utilized a single year operating budget and rate setting cycle, accompanied by the required Proposition 218 noticing. This year, staff is recommending that the District implement a two-year operating budget and rate setting cycle which aligns the appropriate level of detail with a strategic policy oriented approach. This change will save time and effort and it will also save on costs associated with the annual Proposition 218 noticing.

## **BACKGROUND:**

For the past several years, the Board has approved an annual operating budget and a single-year rate setting cycle. The District has recently completed or will soon complete several significant projects, such as major new facilities and administrative improvements. For example, the Oracle Financial System has provided increased analytical capabilities and visibility into the District's cost structure. These changes caused staff to consider options for increasing the length of the operating budget and rate setting cycles such that efficiencies can be increase while maintaining significant budgetary oversight and transparency.

To preserve the existing level of transparency and oversight, staff will continue to prepare the following reports for the Board's review:

- Quarterly operating results;
- Forecast budgets for quarters two through four; and
- Analysis of budgeted rates versus actual results.

Staff recommends the Board approve moving to a two year operating budget and rate setting process.

#### **FISCAL IMPACTS:**

A two-year budget and rate setting practice will reduce staff, Committee, and Board time as well as costs associated with the mailing and noticing of the Proposition 218 notices.

## **COMMITTEE STATUS:**

This item was reviewed by the Finance and Personnel Committee on December 5, 2018.

#### **RECOMMENDATION:**

THAT THE BOARD APPROVE UTILIZING A TWO-YEAR BUDGET RATE SETTING CYCLE, STARTING WITH FISCAL YEAR 2019-20 AND 2020-21 PERIOD.

Consent Calendar: IRWD Two-Year Operating Budget and Rate Setting Cycle December 10, 2018

Page 2

## **LIST OF EXHIBITS:**

None

December 10, 2018

PKM Prepared by: S. Toland/R. Mori

Submitted by: K. Burton

Approved by: Paul A. Cook

#### **ACTION CALENDAR**

## MICHELSON WATER RECYCLING PLANT EMERGENCY RECYCLED WATER DIVERSION TO SAN DIEGO CREEK CONSTRUCTION AWARD

## **SUMMARY:**

The Michelson Water Recycling Plant (MWRP) Emergency Recycled Water Diversion to San Diego Creek project includes construction of a dechlorination facility, 24-inch steel pipeline to convey dechlorinated tertiary effluent to San Diego Creek, and associated instrumentation and controls. Staff recommends that the Board authorize the General Manager to execute a construction contract with PCL Construction, in the amount of \$981,465 for the MWRP Emergency Recycled Water Diversion to San Diego Creek project.

## BACKGROUND:

In September 2018, the Regional Water Quality Control Board approved an MWRP permit amendment allowing the emergency discharge of dechlorinated tertiary effluent to San Diego Creek under certain emergency conditions. This project will construct the facilities needed to accomplish the emergency diversion to the creek. Facilities include a sodium bisulfite storage and feed system for dechlorination, concrete chemical containment structure, flow metering, conveyance piping and valving, and associated chlorine analyzers and instrumentation. The design utilizes the existing MWRP effluent pumps to deliver tertiary recycled water to the new dechlorination facility prior to its discharge into San Diego Creek through the existing 24-inch stormwater pump station outlet pipeline. The dechlorination facilities are sized to accommodate the 33 million gallons per day (MGD) anticipated maximum production capacity of MWRP, but the existing discharge piping to San Diego Creek may require upsizing to deliver that amount of flow should high velocities in the existing pipeline become problematic. However, with the expected infrequent operation of this facility, staff anticipates that the existing discharge piping can adequately accommodate the high velocities associated with the anticipated maximum flow of 33 MGD for short periods of time. Construction is estimated to be complete in summer of 2019 allowing the facilities to be ready for service in the winter of 2019-20.

## Construction Award:

The project was advertised for construction bids on September 18, 2018 to a select list of nine contractors including Gateway Pacific Contractors, GSE Construction Company, Olsson Construction, Pacific Hydrotech Corporation, Pascal & Ludwig Constructors, PCL Construction, R.C. Foster Corporation, Schuler Constructors, and SS Mechanical Construction.

The bid opening was held November 29, 2018 with bids received from Pacific Hydrotech Corporation, PCL Construction, and R.C. Foster Corporation. PCL Construction is the apparent low bidder with a bid amount of \$981,465. The remaining bids were \$1,044,072.70 and \$1,550,722.70. The engineer's estimate, prepared by HDR, was \$830,000. Although all three

Action Calendar: Michelson Water Recycling Plant Emergency Recycled Water Diversion to

San Diego Creek Construction Award

December 10, 2018

Page 2

bids were higher than the engineer's estimate, with only a difference of six percent between the apparent low bid and the second low bid, staff believes that the bid costs are reasonable given the current construction climate. The bid summary is attached as Exhibit "A".

Staff reviewed PCL's bid and has determined that it is responsive. Staff recommends that the Board authorize the General Manager to award a construction contract to PCL Construction Inc., in the amount of \$981,465.

## **FISCAL IMPACTS:**

The MWRP Emergency Recycled Water Diversion to San Diego Creek, Project 10093, is included in the FY 2018-19 Capital Budget and will be funded through regional sewer funds. The existing budget is sufficient to fund the recommendation presented herein.

#### **ENVIRONMENTAL COMPLIANCE:**

The IRWD Board of Directors approved the Michelson Water Recycling Plant Final Environmental Impact Report (FEIR) on February 27, 2006. Section 15164 of the CEQA Guidelines provides for the preparation of an addendum to a previously certified EIR if some changes or additions to the project are necessary but none of the conditions described in CEQA call for preparation of a subsequent EIR have occurred. IRWD Board of Directors approved Addendum No. 1 to the FEIR in March 2008, Addendum No. 2 to the FEIR was approved in August 2009, and Addendum No. 3 to the FEIR was approved in June 2010. Addendum No. 4 to the EIR, which evaluated the environmental effects of the emergency recycled water diversion to San Diego Creek, was approved by IRWD's Board on March 26, 2018. A Notice of Determination was filed with the County of Orange and the State Clearinghouse on March 27, 2018.

#### **COMMITTEE STATUS:**

Construction awards are not routinely taken to Committee prior to submittal to the Board.

## **RECOMMENDATION:**

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH PCL CONSTRUCTION INC., IN THE AMOUNT OF \$981,465, FOR THE MICHELSON WATER RECYCLING PLANT EMERGENCY RECYCLED WATER DIVERSION TO SAN DIEGO CREEK, PROJECT 10093.

## **LIST OF EXHIBITS:**

Exhibit "A" – Bid Summary

## Irvine Ranch Water District Bid Summary

For

# Michelson Water Recycling Plant Emergency Recycled Water Diversion to the San Diego Creek Project Number 10093

					1	_	2	2		3	
			Engineer's Estimate		PCL Construction, Inc. Long Beach, CA		Pacific Hydrotech Corporation Perris, CA		R C Foster Corporation Corona, CA		
Item	Description			Unit	Total	Unit	Total	Unit	Total	Unit	Total
No.	Description	Qty L	Jnit	Price	Amount	Price	Amount	Price	Amount	Price	Amount
Base 1	Bid Items										
1	Furnish all labor, materials, equipment, services and appurtenant work, except for items 2 through 7 below, for the construction of the MWRP Emergency RW Discharge to the San Diego Creek Project.	1 1	LS	\$592,077.30	\$592,077.30	\$730,482,30	\$730,482,30	\$802,100,00	\$802,100.00	\$1,295,000.00	\$1,295,000,00
2	Payment and performance bonds and insurance	1 1	LS	\$13,000.00	\$13,000.00	\$10,000,00	\$10,000,00	\$17,000,00	\$17,000.00	\$25,000,00	\$25,000.00
3	Mobilization, demobilization and clean up (Not to exceed 4% of total amount of bid)	1 1	LS	\$33,200.00	\$33,200.00	\$39,260.00	\$39,260.00	\$40,000.00	\$40,000.00	\$37,000.00	\$37,000.00
4	Pre-negotiated vendor package: Superior Water Technologies	1 1	LS	\$166,722.70	\$166,722,70	\$166,722,70	\$166,722,70	\$166,722.70	\$166,722.70	\$166,722,70	\$166,722,70
5	Trench Safety Measures	1 3	LS	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$250.00	\$250.00	\$5,000.00	\$5,000.00
6	Startup & Testing	1	LS	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00	\$8,000.00	\$8,000.00	\$12,000.00	\$12,000.00
7	Final Record Drawings	1	LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
	SUBTOTAL, Base Bid Items (1 through 7)				\$830,000.00		\$981,465.00		\$1,044,072.70		\$1,550,722.70
	Adjustment (+ or - )				\$0.00		\$0.00		\$0.00		\$0.00
	TOTAL AMOUNT OF BID		+		\$830,000.00		\$981,465.00		\$1,044,072.70		\$1,550,722.70
					0.1						
	NOTES:					Subcontractors:		Subcontractors:		Subcontractors:	
1 - PCL Construction's bid amount of \$981,515.00 contained a mathematical error in the summation of the bid items. The corrected bid amount of \$981,465.00 is reflected herein.					Painting - Parada Painting, Inc.		Coatings - Parada Painting, Inc.		Painting - Parada Painting, Inc.		
					Electrical - ACS Electrical, Inc.		Electrical & Instrumentation - Hydrotech Electric		Electrical - Hydrotech Electric		
					Rebar - CMC Commercial Metals		Rebar - Zuko Steel Reinforcing				
					Asphalt - Hardy & Harper, Inc.		Landscape - Zuniga Scapes				

December 10, 2018

Prepared by: Tony Mossbarger Submitted by: Cheryl Clary

Approved by: Paul Cook

#### ACTION CALENDAR

## ENTERPRISE SERVER AND STORAGE REPLACEMENT

#### SUMMARY:

Staff requested proposals from three firms for enterprise server and storage replacement equipment. Based on a thorough evaluation of the proposals, staff recommends Board approval of a General Plant budget increase and expenditure of \$340,000 with Sirius Computer Solutions for the purchase, installation, and configuration of enterprise server and storage replacement equipment.

## **BACKGROUND:**

The current enterprise server and storage equipment, purchased and installed in 2012 provides server processing and storage for the District's enterprise applications and files is nearing the end of service life. The applications on this server include Oracle Financials, Oracle Business Intelligence, Oracle Customer Care and Billing, Maximo, Micro Focus file storage services, and several others.

The Board approved a general plant expenditure in August 2018 for enterprise server and storage equipment for \$335,000 to replace end of life equipment purchased in 2011. Due to reliability issues recently experienced with the remaining equipment, staff recommends replacement sooner than originally expected in FY 2019-20. Early replacement will also reduce the amount of time staff spends dealing with repairs and prevent future outages.

Staff requested proposals for enterprise server and storage equipment from three pre-qualified vendors that are certified providers of Nutanix server and storage equipment. Nutanix is a leader in hyper-converged systems which provide both virtual memory processing and storage services. The District currently uses virtualized servers as part of its existing infrastructure and hyperconverged systems and are the newest enterprise technology. Proposals were received from Carahsoft Technology Corp, Sirius Computer Solutions, and Nutanix Inc. The results were as follows:

Vendor	Proposal Amount
Sirius Computer Solutions	\$340,000
Carahsoft Technology Corp	\$690,000
Nutanix Inc	\$727,000

Sirius Computer Solutions had the best overall pricing for the enterprise server and storage replacement equipment, providing the District significant discounts from list pricing and has extensive experience providing equipment installation and implementation services to the District.

Action Calendar: Enterprise Server and Storage Replacement

December 10, 2018

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## **FISCAL IMPACTS:**

Funds for the enterprise server and storage replacement included in the FY 2018-19 Capital Budget for General Plant replacement are not sufficient and a budget increase of \$340,000 is requested.

## **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.

## **COMMITTEE STATUS:**

This item was reviewed by the Finance and Personnel Committee on December 5, 2018.

## **RECOMMENDATION:**

THAT THE BOARD APPROVE A GENERAL PLANT BUDGET INCREASE AND EXPENDITURE OF \$340,000 WITH SIRIUS COMPUTER SOLUTIONS TO PURCHASE AND IMPLEMENT THE ENTERPRISE SERVER AND STORAGE REPLACEMENT EQUIPMENT.

## **EXHIBITS:**

None.

December 10, 2018 Prepared and

Submitted by: L. Bonkowski

Approved by: Paul Cook

#### ACTION CALENDAR

## **ELECTION OF OFFICERS FOR 2019**

## **SUMMARY:**

The Bylaws of the District provide that the President and Vice President shall be elected by the Board from among its members. The term of office of the President and Vice President is one year, or until the election and qualification of their successors. On December 11, 2017, Director Douglas Reinhart was elected to the office of President and Director Steve LaMar was elected to the office of Vice President for calendar year 2018.

While there are no formal election procedures set forth in the Bylaws, it is suggested that the General Manager be appointed temporary Chairman to conduct the election of President. The temporary Chairman would open nominations, accept nominations which need not be seconded. accept a motion to close the nominations, and conduct the balloting by voice vote. The

President would then conduct the election of the Vice President in	n a	similar	mar

None.

#### **ENVIRONMENTAL COMPLIANCE:**

Not applicable.

FISCAL IMPACTS:

## **COMMITTEE STATUS:**

Not applicable.

## **RECOMMENDATION:**

THAT AN ELECTION BE CONDUCTED OF THE PRESIDENT AND VICE PRESIDENT OF THE BOARD OF DIRECTORS OF THE IRVINE RANCH WATER DISTRICT.

## **LIST OF EXHIBITS:**

None.