

NOTICE OF MEETING

OF THE
BOARD OF DIRECTORS
OF THE



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

WILL BE HELD ON

WEDNESDAY, NOVEMBER 19, 2014

10:00 A.M.

AT THE OFFICE OF THE AGENCY
6075 KIMBALL AVENUE, BUILDING A,
CHINO, CA 91710



AGENDA

MEETING OF THE BOARD OF DIRECTORS

**WEDNESDAY, NOVEMBER 19, 2014
10:00 A.M.**

**INLAND EMPIRE UTILITIES AGENCY*
AGENCY HEADQUARTERS
6075 KIMBALL AVENUE, BUILDING A
CHINO, CALIFORNIA 91708**

CALL TO ORDER OF THE INLAND EMPIRE UTILITIES AGENCY BOARD OF DIRECTORS MEETING

FLAG SALUTE

PUBLIC COMMENT

Members of the public may address the Board on any item that is within the jurisdiction of the Board; however, no action may be taken on any item not appearing on the agenda unless the action is otherwise authorized by Subdivision (b) of Section 54954.2 of the Government Code. Those persons wishing to address the Board on any matter, whether or not it appears on the agenda, are requested to complete and submit to the Board Secretary a "Request to Speak" form which are available on the table in the Board Room. Comments will be limited to five minutes per speaker. Thank you.

ADDITIONS TO THE AGENDA

In accordance with Section 54954.2 of the Government Code (Brown Act), additions to the agenda require two-thirds vote of the legislative body, or, if less than two-thirds of the members are present, a unanimous vote of those members present, that there is a need to take immediate action and that the need for action came to the attention of the local agency subsequent to the agenda being posted.

1. CONSENT CALENDAR

NOTICE: All matters listed under the Consent Calendar are considered to be routine and non-controversial and will be acted upon by the Board by one motion in the form listed below. There will be no separate discussion on these items prior to the time the Board votes unless any Board members, staff or the public requests specific items be discussed and/or removed from the Consent Calendar for separate action.

A. MINUTES

The Board will be asked to approve the minutes from the October 1 and November 5 Board Workshops and October 15 Board meeting.

B. TREASURER'S REPORT ON GENERAL DISBURSEMENTS

It is recommended that the Board approve the total disbursements for the month of September 2014, in the amount of \$16,723,727.56.

C. SAP BUSINESSOBJECTS ANALYTICS SOFTWARE PURCHASE

It is recommended that the Board:

1. Approve the sole-source purchase of SAP BusinessObjects analytics tools, including upgrade to server license, additional software licenses and the first year's maintenance for a not-to-exceed amount of \$81,000; and
2. Authorize the General Manager to execute the software purchasing contract and maintenance support agreement.

D. DOWNS ENERGY CONTRACT AMENDMENT

It is recommended that the Board:

1. Approve the contract amendment to Downs Energy for the supply and delivery of diesel fuel for a two-year period, for a not-to-exceed amount of \$80,000 through December 31, 2016; and
2. Authorize the General Manager to execute the contract amendment.

E. SUPPORT THE SANTA ANA WATERSHED PROJECT AUTHORITY'S ADOPTION OF PROJECT AGREEMENT 22

It is recommended that the Board:

1. Support the Santa Ana Watershed Project Authority's adoption of Project Agreement 22 that establishes a Project Committee to facilitate grant project administration and accounting; and
2. Authorize the General Manager or his designees to finalize and execute the agreement with SAWPA to establish the Project Committee.

F. AMENDMENT TO THE MEMORANDUM OF UNDERSTANDING (MOU) FOR THE FREESPRINKLERNZZLES.COM VOUCHER PROGRAM (PHASE V)

It is recommended that the Board:

1. Approve an amendment to the Memorandum of Understanding (MOU) agreement between IEUA and Western Municipal Water District for the implementation and management of a multi-agency

Freesprinklernozzles.com Voucher Program for a not-to-exceed amount of \$143,750; and

2. Authorize the General Manager to execute the agreement.

G. 2015 WATER USE EFFICIENCY BUSINESS PLAN CONTRACT AWARD

It is recommended that the Board:

1. Award a contract to A&N Technical Services, Inc. for the development of the revised Water Use Efficiency Business Plan for a not-to-exceed amount of \$75,000; and
2. Authorize the General Manager to execute the contract.

H. ADOPTION OF RESOLUTION NO. 2014-11-02, COMMENDING COUNCIL MEMBER LEONARD PAULITZ FOR HIS 36 YEARS OF SERVICE

It is recommended that the Board adopt Resolution No. 2014-11-02, commending Council Member Leonard Paulitz for his 36 years of service as a member of the Montclair City Council.

I. CONSULTING ENGINEERING CONTRACT AMENDMENT WITH RMC FOR MONTCLAIR LIFT STATION SITE IMPROVEMENTS AND ADDITIONAL SERVICES DURING CONSTRUCTION

It is recommended that the Board:

1. Approve the consulting engineering contract amendment to RMC for the Montclair Lift Station Upgrades, Project No. EN13054, for site improvements and additional services during construction for a not-to-exceed amount of \$120,234; and
2. Authorize the General Manager to execute the contract amendment.

J. ENGINEERING SERVICES CONTRACT AMENDMENT FOR THE WINEVILLE EXTENSION RECYCLED WATER PIPELINE

It is recommended that the Board:

1. Approve two amendments to the engineering services contract with GHD, Inc. (Winzler and Kelly) for the additional consulting services for the Wineville Extension Recycled Water Pipeline, Segments A and B, Project Nos. EN06025 and EN13045, for the not-to-exceed amount of \$170,055; and
2. Authorize the General Manager to execute the consultant contract amendments.

2. **ACTION ITEMS**

NONE.

3. **INFORMATION ITEMS**

A. **ENGINEERING AND CONSTRUCTION MANAGEMENT FY 2014/15 MONTHLY UPDATE (POWERPOINT)**

B. **UPDATE ON MWD PURCHASE ORDER (POWERPOINT)**

C. **MWD UPDATE (ORAL)**

RECEIVE AND FILE INFORMATION ITEMS

D. **TREASURER'S REPORT OF FINANCIAL AFFAIRS (WRITTEN/ POWERPOINT)**

E. **FUNDING OF ESTIMATE WORKERS' COMPENSATION LIABILITIES (WRITTEN)**

F. **PUBLIC OUTREACH AND COMMUNICATION (WRITTEN)**

G. **LEGISLATIVE REPORT FROM INNOVATIVE FEDERAL STRATEGIES (WRITTEN)**

H. **LEGISLATIVE REPORT FROM THE DOLPHIN GROUP (WRITTEN)**

I. **LEGISLATIVE REPORT FROM AGRICULTURAL RESOURCES (WRITTEN)**

J. **CALIFORNIA STRATEGIES, LLC MONTHLY ACTIVITY REPORT (WRITTEN)**

K. **2012/13 AND 2013/14 RECYCLED WATER ANNUAL REPORTS (WRITTEN)**

L. **FY 2013/14 IEUA ANNUAL WATER USE EFFICIENCY PROGRAMS REPORT (WRITTEN)**

M. **PRETREATMENT & SOURCE CONTROL PROGRAM UPDATE (POWERPOINT)**

Materials related to an item on this agenda submitted to the Agency, after distribution of the agenda packet, are available for public inspection at the Agency's office located at 6075 Kimball Avenue, Chino, California during normal business hours.

4. **AGENCY REPRESENTATIVES' REPORTS**

A. **SAWPA REPORT (WRITTEN)**

- B. MWD REPORT (WRITTEN)
- C. REGIONAL SEWERAGE PROGRAM POLICY COMMITTEE REPORT (WRITTEN)
- D. CHINO BASIN WATERMASTER REPORT (WRITTEN)
- 5. GENERAL MANAGER'S REPORT (WRITTEN)
- 6. BOARD OF DIRECTORS' REQUESTED FUTURE AGENDA ITEMS
- 7. DIRECTORS' COMMENTS
 - A. CONFERENCE REPORTS

This is the time and place for the Members of the Board to report on prescheduled Committee/District Representative Assignment meetings, which were held since the last regular Board meeting, and/or any other items of interest.

- 8. CLOSED SESSION
 - A. PURSUANT TO GOVERNMENT CODE SECTION 54956.9(a) – CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
 - 1) Chino Basin Municipal Water District vs. City of Chino, Case No. RCV51010
 - 2) Martin vs. IEUA, Case No. CIVRS 1000767
 - 3) Sheilds vs. IEUA, Case No. CIVRS 1301638
 - 4) Desaddi vs. IEUA, Case No. CIVRS 1304617
 - 5) Mwembu vs. IEUA, Case No. CIVDS 1415762
 - 6) Southern California Edison vs. IEUA, Case No. CIVRS 1308595
 - B. PURSUANT TO GOVERNMENT CODE SECTION 54956.8 – CONFERENCE WITH REAL PROPERTY NEGOTIATOR
 - 1) Property: Water and Pipeline Capacity/Cadiz
Negotiating Party: General Counsel Jean Cihigoyenetché
 - 2) Property: Land Locked Property in Chino Hills
Negotiating Party: General Counsel Jean Cihigoyenetché
 - C. PURSUANT TO GOVERNMENT CODE SECTION 54956.9 – CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION
Three (3) Cases

**D. PURSUANT TO GOVERNMENT CODE SECTION 54956.8 –
CONFERENCE WITH REAL PROPERTY NEGOTIATOR**

- 1) Property: 117.509036, 34.076044 (Prologis Lagoon)
Negotiating Parties: General Manager P. Joseph Grindstaff
Under Negotiation: Price and Terms of Purchase

- 2) Supplemental Water Transfer/Purchase
Negotiating Parties: General Manager P. Joseph Grindstaff
Under Negotiation: Price and Terms of Purchase

**E. PURSUANT TO GOVERNMENT CODE SECTION 54957 – PERSONNEL
MATTERS – PUBLIC EMPLOYEE PERFORMANCE EVALUATION**

- 1) Manager of Internal Audit
- 2) Board Secretary/Office Manager

9. ADJOURN

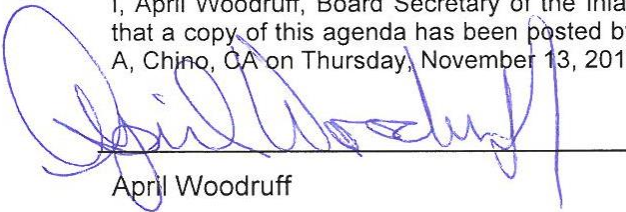
*A Municipal Water District

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Board Secretary (909) 993-1736, 48 hours prior to the scheduled meeting so that the Agency can make reasonable arrangements.

Proofed by: LR

Declaration of Posting

I, April Woodruff, Board Secretary of the Inland Empire Utilities Agency*, A Municipal Water District, hereby certify that a copy of this agenda has been posted by 5:30 p.m. at the Agency's main office, 6075 Kimball Avenue, Building A, Chino, CA on Thursday, November 13, 2014.


April Woodruff

**CONSENT
CALENDAR
ITEM**

1A



**MINUTES OF THE MEETING & WORKSHOP
OF
THE BOARD OF DIRECTORS
OF
THE INLAND EMPIRE UTILITIES AGENCY*
WEDNESDAY, OCTOBER 1, 2014
10:00 A.M.**

DIRECTORS PRESENT:

Terry Catlin, President
Michael Camacho, Vice President
Steven J. Elie, Secretary/Treasurer
Jasmin A. Hall
Gene Koopman

STAFF PRESENT:

P. Joseph Grindstaff, General Manager
Ernest Yeboah, Executive Manager of Operations/Assistant General Manager
Kathryn Besser, Manager of External Affairs
Andy Campbell, Deputy Manager of Planning and Environmental Compliance
Javier Chagoyen-Lazaro, Manager of Finance and Accounting
Warren Green, Manager of Contracts and Facilities Services
Majid Karim, Acting Manager of Engineering
Lisa Morgan-Perales, Water Resources Analyst II
Teresa Velarde, Manager of Internal Audit
April Woodruff, Board Secretary/Office Manager

OTHERS PRESENT:

John Bosler, CVWD
Greg Charpentier, FS Commercial Landscape Maintenance, Inc.
Carrie Corder, CVWD
Ryan Shaw, City of Ontario

A regular meeting and Workshop of the Board of Directors of the Inland Empire Utilities Agency* was held at the office of the Agency, 6075 Kimball Avenue, Bldg. A, Chino, California on the above date.

President Catlin called the meeting to order at 10:09 a.m., and he dispensed with the pledge of allegiance to the flag. A quorum was present.

President Catlin stated that members of the public may address the Board.

Mr. Greg Charpentier with FS Commercial Landscape in Riverside, expressed that he is here in advance of the pending request to add additional funding to the IEUA Turf Removal Rebate Program. He stated that he would like to share with the Board a project in Ontario that his company is working on approval for to emphasize the value of IEUA's Rebate Program and how critical it is to saving water.

He stated that the project is for Cardinal Health on Philadelphia Street, which has landscape that is over 20 years old, and contains 244,000 square feet of turf. He has proposed to Cardinal Health to remove all of the turf, and replace it with low water use perennial and natives, and convert all areas to drip. He stated that the proposed conversion would reduce monthly water consumption to 450,000 gallons at peak in the summer. Mr. Charpentier reported that they have already obtain MWD approval; however, without the IEUA \$1 per square foot rebate, it would force FS Commercial Landscape to eliminate a couple of items from the project, such as an exercise walk path, as well as the outdoor exercise stations, and most importantly, exclusion of the drip irrigation conversion. Mr. Charpentier concluded by stating that the project was developed through a commitment from Cardinal Health and FS Commercial Landscape to be good stewards of the environment. In turn, the project could benefit all involved as an educational demonstration of water savings, native plant use, the migration of the Monarch butterfly, and how a company such as Cardinal Health promotes good health for its employees.

The Board of Directors thanked Mr. Charpentier for his comments.

President Catlin asked if there were any changes/additions/deletions to the agenda. There were no changes/additions/deletions to the agenda.

1. WORKSHOP

A. TRANSITION FROM ANNUAL BUDGET TO BIENNIAL BUDGET

Manager of Finance and Accounting Javier Chagoyen-Lazaro gave a PowerPoint presentation on the transition from an annual to a biennial budget beginning FYs 2015/16 and 2016/17. Mr. Chagoyen-Lazaro reported that transitioning to a biennial budget is consistent with the IEUA Business Goals, IEUA's 2015-19 Strategic Plan, and Best Practice as recommended by the Government Finance Office Association. He mentioned that a biennial budget would improve goal setting and streamline budgetary process. Mr. Chagoyen-Lazaro reported there are water agencies and sanitation districts that adopt biennial budgets, and staff has been in contact with Orange County Sanitation District and the Santa Ana Watershed Project Authority. He highlighted three main types of biennial budgets, traditional, rolling, and statutory, with emphasis on a statutory biennial budget. Mr. Chagoyen-Lazaro provided the transition requirements and timeline.

2. ACTION ITEM

A. ADOPTION OF RESOLUTION NO. 2014-10-1, AUTHORIZING THE REDEMPTION OF CHINO BASIN REGIONAL FINANCING AUTHORITY REVENUE BONDS, SERIES 2005A

Manager of Finance and Accounting Javier Chagoyen-Lazaro presented the information on the redemption of the Chino Basin Regional Financing Authority Revenue Bonds, Series 2005A. He stated that in July 2013, the Agency Board of Director approved the designation of \$4.15 million from the "one-time" Redevelopment Tax receipts to fund the early retirement of the last two installments of 2005A Bonds scheduled to mature on November 1, 2021 (\$2.03 million) and November 1, 2022 (\$2.12 Million). He stated it was later determined that early retirement of the remaining full principal amount of \$14,695,000, would result in an additional costs savings of \$3.2 million in avoided future interest payments. Mr. Chagoyen-Lazaro stated that early retirement of the full outstanding principal amount was presented to the Board as part of a series of budget workshops facilitated between January and March 2014, and was included in the Agency's FY 2015-2019 Strategic Plan and FY 2014/15 Budget adopted on June 18, 2014. He said staff is recommending that the Board adopt Resolution No. 2014-10-1,

authorizing the redemption of Chino Basin Regional Financing Authority Revenue Bonds, Series 2005A.

Upon motion by Director Elie, seconded by Director Camacho, and unanimously carried:

M2014-10-1

MOVED, to:

1. Adopt Resolution No. 2014-10-1, authorizing the redemption of Chino Basin Regional Financing Authority Revenue Bonds, Series 2005A (Inland Empire Utilities Agency), (the Bonds), for a not-to-exceed amount of \$14,695,000, and approving the execution of delivery of certain documents in connection therewith and certain other matters; and

**RESOLUTION NO. 2014-10-1
RESOLUTION OF THE INLAND EMPIRE UTILITIES AGENCY, A
MUNICIPAL WATER DISTRICT, SAN BERNARDINO COUNTY,
CALIFORNIA, AUTHORIZING THE REDEMPTION OF THE
CHINO BASIN REGIONAL FINANCING AUTHORITY REVENUE
BONDS, SERIES 2005A (INLAND EMPIRE UTILITIES AGENCY)
AND APPROVING THE EXECUTION OF CERTAIN
DOCUMENTS AND AUTHORIZING CERTAIN ACTS IN
CONNECTION THEREWITH**

(for full text , see Resolution Book)

2. Authorize the direct staff to provide notice to the trustee of its intention to cause redemption of the bonds on November 3, 2014, and for the trustee to file a notice of redemption with the Municipal Securities Rulemaking Board (MSRB) upon completion of the redemption.

With no further business, President Catlin adjourned the meeting at 10:30 a.m.

Steven J. Elie, Secretary/Treasurer

APPROVED: NOVEMBER 19, 2014



**MINUTES OF THE REGULAR
MEETING & WORKSHOP
OF
THE BOARD OF DIRECTORS
OF
THE INLAND EMPIRE UTILITIES AGENCY*
WEDNESDAY, NOVEMBER 5, 2014
10:00 A.M.**

DIRECTORS PRESENT:

Michael Camacho, Vice President
Terry Catlin, President
Steven J. Elie, Secretary/Treasurer
Jasmin A. Hall

DIRECTOR ABSENT:

Gene Koopman

STAFF PRESENT:

P. Joseph Grindstaff, General Manager
Christina Valencia, Chief Financial Officer/Assistant General Manager
Ernest Yeboah, Executive Manager of Operations/Assistant General Manager
Kathryn Besser, Manager of External Affairs
Andrea Carruthers, Community Outreach & Education Coordinator II
Javier Chagoyen-Lazaro, Manager of Finance and Accounting
Majid Karim, Acting Manager of Engineering
Sylvie Lee, Manager of Planning and Environmental Compliance
Liza Munoz, Senior Office Engineer
April Woodruff, Board Secretary/Office Manager

OTHERS PRESENT:

John Bosler, CVWD
Danielle Maurizio, CBWM
Ryan Shaw, City of Ontario
Branden Yu, CVWD

A regular meeting and Workshop of the Board of Directors of the Inland Empire Utilities Agency* was held at the office of the Agency, 6075 Kimball Avenue, Bldg. A, Chino, California on the above date.

President Catlin called the meeting to order at 10:00 a.m., and he led the pledge of allegiance to the flag. A quorum was present.

President Catlin stated that members of the public may address the Board. There was no one desiring to do so.

President Catlin asked if there were any changes/additions/deletions to the agenda. There were no changes/additions/deletions to the agenda.

1. **CHINO BASIN WATERMASTER UPDATE BY CBWM ASSISTANT GENERAL MANAGER DANIELLE MAURIZIO**

CBWM Assistant General Manager Danielle Maurizio gave a PowerPoint presentation on the status of current matters at Chino Basin Watermaster. She provided an update on the safe yield recalculation process, subsidence, and hydraulic control.

2. **WORKSHOPS**

A. **FACILITIES MASTER PLANNING WORKSHOP**

Manager of Planning and Environmental Compliance Sylvie Lee gave a PowerPoint presentation on the Facilities Master Planning. She provided a brief overview of the Wastewater Facilities Master Plan (WWFMP). Ms. Lee highlighted the tributary sewer flows, projected influent flows, influent wastewater loadings, existing plant capacities, and flow diversion alternatives, with the preferred alternative being pumping Whispering Lakes and Haven sewer flows to RP-1, including RW Pump Station (Southern Zones) updates in later years. She also reviewed the process and site layout planning, RP-1 and RP-5 ultimate site layouts, draft implementation schedule, and the next steps, which is to prepare phase capital improvement projects with estimated costs in November 2014; produce a final WWFMP report in March 2015; and initiate pre-design reports for RP-1/RP-2.

3. **ACTION ITEMS**

A. **ADOPTION OF RESOLUTION NO. 2014-11-1, COMMENDING SUPERVISOR GARY OVITT FOR HIS 10 YEARS OF SERVICE AS THE FOURTH DISTRICT SUPERVISOR OF THE COUNTY OF SAN BERNARDINO BOARD OF SUPERVISORS**

Upon motion by Director Elie, seconded by Director Camacho and unanimously carried:

M2014-11-1

MOVED, to adopt Resolution No. 2014-11-1, Commending Supervisor Gary Ovitt for his 10 years of service as the Fourth District Supervisor of the County of San Bernardino Board of Supervisors

RESOLUTION NO. 2014-11-1

RESOLUTION OF THE INLAND EMPIRE UTILITIES AGENCY, A MUNICIPAL WATER DISTRICT, SAN BERNARDINO COUNTY, CALIFORNIA, COMMENDING SUPERVISOR GARY OVITT FOR HIS 10 YEARS OF SERVICE AS THE FOURTH DISTRICT SUPERVISOR OF THE COUNTY OF SAN BERNARDINO BOARD OF SUPERVISORS *(for full text , see Resolution Book)*

4. GENERAL MANAGER'S REPORT

General Manager P. Joseph Grindstaff reported that MWD issued new numbers on the draft water supply allocation plan. He stated that IEUA service area is at Stage 4, which is a drop to 50,000 ac-ft. He also reported that the State Water Board has released the numbers on water conservation from all the member agencies. Mr. Grindstaff stated that from IEUA's region, every member agency used less water in September of this year, than last year. In September, based on the State's methodology, the per capita daily use was 239 gallons/person/day. He stated that member agencies are now providing numbers on a monthly basis which will be provided to the Board in the General Manager's report.

With no further business, President Catlin adjourned the meeting at 11:10 a.m.

Steven J. Elie, Secretary/Treasurer

APPROVED: NOVEMBER 19, 2014



**MINUTES OF THE REGULAR
MEETING OF
THE BOARD OF DIRECTORS
OF
THE INLAND EMPIRE UTILITIES AGENCY*
WEDNESDAY, OCTOBER 15, 2014
10:00 A.M.**

DIRECTORS PRESENT:

Michael Camacho, Vice President
Terry Catlin, President
Steven J. Elie, Secretary/Treasurer
Jasmin A. Hall
Gene Koopman

STAFF PRESENT:

P. Joseph Grindstaff, General Manager
Chris Berch, Executive Manager of Engineering/Assistant General Manager
Christina Valencia, Chief Financial Officer/Assistant General Manager
Ernest Yeboah, Executive Manager of Operations/Assistant General Manager
Andy Campbell, Groundwater Recharge Coordinator
Tina Cheng, Budget Officer
Warren Green, Manager of Contracts and Facilities Services
Majid Karim, Acting Manager of Engineering
Sylvie Lee, Manager of Planning and Environmental Compliance
Craig Proctor, Pretreatment & Source Control Supervisor
Lisa Morgan-Perales, Water Resource Analyst II
April Woodruff, Board Secretary/Office Manager

OTHERS PRESENT:

Jean Cihigoyenette, Cihigoyenette Grossberg & Clouse
John Bosler, Cucamonga Valley Water District
Nadeem Majaj, City of Chino Hills
Ryan Shaw, City of Ontario

A regular meeting of the Board of Directors of the Inland Empire Utilities Agency* was held at the office of the Agency, 6075 Kimball Avenue, Bldg. A, Chino, California on the above date.

President Catlin called the meeting to order at 10:03 a.m., and he led the pledge of allegiance to the flag. A quorum was present.

President Catlin stated that members of the public may address the Board. Nadeem Majaj, Director of Public Works for the City of Chino Hills addressed the Board. Mr. Majaj shared his appreciation of the Board efforts in promoting water conservation. Mr. Majaj expressed his support of the MWD turf removal program and the associated item on the Board agenda.

President Catlin asked if there were any changes/additions/deletions to the agenda. Mr. Cihigoyenette stated that under section 8 – Closed Session the item regarding the General Manager’s evaluation had been previously completed and can be removed.

1. PUBLIC HEARING AND ADOPTION OF ORDINANCE NO. 97

President Catlin called the Public Hearing to order. President Catlin stated that the purpose of the hearing is to provide the public an opportunity to submit comments on the proposed Ordinance No. 97, regulating the availability and use of the Regional Sewerage System in the Inland Empire Utilities Agency.

Pretreatment & Source Control Supervisor Craig Proctor introduced the hearing panel members. He stated that the Ordinance was updated to include updated discharge prohibitions, revisions to the definitions section, clarification of language and remove inconsistencies. The revised Ordinance follows the EPA model ordinance. Mr. Proctor stated that the Ordinance has also been presented to the Regional Committees. Comments were incorporated into the final version. The Ordinance does not require a formal approval from the Regional Board; however, a 45-day comment period is mandated. No comments were received.

President Catlin opened the Public Hearing at 10:10 a.m. President Catlin asked if there was anyone who would like to make a public comment. He also verified that there were no written comments. Hearing no comments, the Public Hearing was closed at 10:10 a.m.

Upon motion by Director Camacho, seconded by Director Koopman, the motion carried (5-0):

M2014-10-2

MOVED, to adopt Ordinance No. 97, regulating the availability and use of the Regional Sewerage System in the Inland Empire Utilities Agency

ORDINANCE NO. 97
ORDINANCE OF THE BOARD OF DIRECTORS OF THE INLAND EMPIRE UTILITIES AGENCY*, SAN BERNARDINO COUNTY, CALIFORNIA, REGULATING THE AVAILABILITY AND USE OF THE REGIONAL SEWERAGE SYSTEM IN THE INLAND EMPIRE UTILITIES AGENCY
(for full text , see Ordinance Book)

With the following roll call vote:

- Ayes: Hall, Elie, Camacho, Koopman, Catlin
- Noes: None
- Absent: None
- Abstain: None

2. CONSENT CALENDAR

Upon motion by Director Elie, seconded by Director Camacho, and unanimously carried:

*A Municipal Water District

M2014-10-3

MOVED, to approve the Consent Calendar.

- A. The Board approved the minutes from the September 3, Board Workshop, September 17 Board meeting.
- B. The Board approved the total disbursements for the month of August 2014, in the amount of \$19,384,983.15.
- C. The Board approved the sole source purchase of Rockwell Automation hardware for a not-to-exceed amount of \$85,000.
- D. The Board:
 - 1. Approved the proposed agreement between IEUA and San Bernardino County for recycled water, sewer, and O&M services; and
 - 2. Authorized the General Manager to execute the agreement.
- E. The Board approved the Agency's Regional Wastewater System *Enforcement Response Plan*, which establishes procedures for consistent and reasonable enforcement response to industrial users' non-compliance with wastewater Ordinance and permit requirements.
- F. The Board:
 - 1. Approved Contract Amendment No. 4600001141-003 to GK & Associates for construction management services for a one-year contract extension through January 2016, for a not-to-exceed total amount of \$1,000,000; and
 - 2. Authorized the General Manager to execute the contract amendment.

2. ACTION ITEMS

A. COMMERCIAL, INDUSTRIAL, INSTITUTIONAL TURF REBATE ENHANCEMENT

Deputy Manager of Planning & Environmental Compliance Andy Campbell gave a presentation requesting an inter-fund loan transfer of \$3 million, from the Administrative Service Fund to the Water Resources Fund, to support of the Turf Removal Rebate Program. Mr. Campbell explained that the program has had an overwhelming response and participation from the community. The inter-fund loan would allow the Agency to allow residents to continue utilization of the program. He stated that staff would be coming back to the Board regarding the future of the program funding and expenditures, as well as the methods of repayment of the inter-fund loan within the long-term financial planning. Mr. Grindstaff stated that the Agency has applied for a grant that may help to cover the costs. He stated that cities are also looking to other types of drought tolerant landscaping, as it is unfeasible to replace all grass within the cities with synthetic turf.

This transition is expected to take from 2 to 5 years, and is a process of changing the culture within our cities. At the request of Director Koopman, Mr. Grindstaff stated that he would look into ways of encouraging commercial complexes such as apartment communities to conserve water.

Upon motion by Director Elie, seconded by Director Camacho and unanimously carried:

M2014-10-4

MOVED, to:

1. Approve an inter-fund loan transfer of \$3,000,000 from Administrative Services Fund to the Water Resources Fund; and
2. Approve a budget amendment for Commercial, Industrial, Institutional Rebate Incentive (WR15009) increasing the FY 2014/15 Project Budget by \$3,000,000, from \$274,360 to \$3,274,360.

3. INFORMATION ITEMS

A. ENGINEERING AND CONSTRUCTION MANAGEMENT FY 2014/15 MONTHLY UPDATE

Acting Manager of Engineering Majid Karim gave a PowerPoint presentation on Engineering and Construction Management Projects. He provided an update on the progress and challenges of the following projects: Wineville Segments A & B, 930 Zone Pipeline and the Compost Conveyance project. Mr. Karim also provided a brief highlight on the ongoing emergency projects including the Desalter soda and acid lines, RP-1 dewatering stairway as well as line breaks at RP-5 and RP-4. Mr. Grindstaff stated that staff is looking into why the line failures occurred and informed the Board that emergencies are budgeted.

B. RECYCLED WATER PROGRAM OVERVIEW (POWERPOINT)

Deputy Manager of Planning & Environmental Compliance Andy Campbell gave a presentation providing a brief overview of the recycled water program, highlighting the challenges faced as well as a summary of the past, current, and future projects. Mr. Campbell stated that approximately 40,000 acre feet (AF) of recycled water was delivered last fiscal year and the Agency is forecasting 50,000 AF for the current year. Staff is currently working on the development of the revised plan for the recycled water program. Included within the updated plan is to reach 80,000 AF of recycled water and to connect to more recharge basins and direct use customers within the region. Director Catlin stated that we need to work with the cities and have their support and collaboration within this program. Mr. Campbell stated that the program is largely funded by SRF loans and grants.

(Director Camacho left the Board room at 10:55 am.)

Mr. Campbell provided an overview of the member agencies recycled water usage and their base entitlement.

(Director Camacho returned to the Board room at 10:58 am.)

Mr. Grindstaff stated this is an ongoing issue with the member agencies that IEUA hopes to help resolve with the revisions of the Regional Contract. In conclusion, Mr. Campbell went through the future projections for the program.

C. REGIONAL SEWAGE SERVICE CONTRACT AMENDMENT

Pretreatment and Source Control Supervisor Craig Proctor gave an overview of the history of the Regional Sewage Service Contract (Contract), stating that the Contract is outdated and in need of revision. Staff will focus first on the short-term amendments needed to provide more immediate resolutions, such as, more flexibility in the use of property tax allocation and the recycled water entitlement. Mr. Proctor stated that long-term amendments will be completed following approval of the short-term amendments. In conclusion, Mr. Proctor reviewed the schedule, stating that staff anticipates having drafts for the short-term amendments completed by the end of the calendar year.

D. MWD UPDATE

(Director Hall left the Board room at 11:22 a.m.)

Executive Manager of Engineering/Assistant General Manager Chris Berch stated that discussions are ongoing regarding the purchase order updates. Discussions with member agencies should start next month, with consideration by the Board in the next few months. Mr. Berch stated that MWD the water allocation program needs to be revamped and would like to have changed implemented by the end of this year.

(Director Hall returned to the Board room at 11:25 a.m.)

THE FOLLOWING INFORMATION ITEMS WERE RECEIVED AND FILED BY THE BOARD:

E. TREASURER'S REPORT OF FINANCIAL AFFAIRS

F. AAA RATING ANALYSIS

G. FY 2013/14 FOURTH QUARTER BUDGET VARIANCE, PERFORMANCE GOALS UPDATES, AND BUDGET TRANSFERS

H. HCM/PAYROLL PROGRESS UPDATE

I. PUBLIC OUTREACH AND COMMUNICATION

J. LEGISLATIVE REPORT FROM INNOVATIVE FEDERAL STRATEGIES

K. LEGISLATIVE REPORT FROM THE DOLPHIN GROUP

L. LEGISLATIVE REPORT FROM AGRICULTURAL RESOURCES

M. CALIFORNIA STRATEGIES, LLC MONTHLY ACTIVITY REPORT

N. 2014 STATE LEGISLATIVE TRACKING MATRIX

O. 2014 FEDERAL LEGISLATIVE TRACKING MATRIX

P. FY 2013/14 BUILDING ACTIVITY SUMMARY TEN-YEAR GROWTH SURVEY

Q. 1ST QUARTER PLANNING AND ENVIRONMENTAL COMPLIANCE UPDATE

R. IEUA QUARTERLY WATER UPDATE

4. AGENCY REPRESENTATIVES' REPORTS

A. SAWPA REPORT

President Catlin reported that SAWPA met on October 7, 2014. He stated that Mission Linens, a customer of SAWPA, gave a presentation of the important of the brine line.

B. MWD REPORT

Director Camacho reported the MWD Board approved revisions to their Local Resource Program.

C. REGIONAL SEWERAGE PROGRAM POLICY COMMITTEE REPORT

The October 2 meeting was cancelled. The next meeting is scheduled for November 6.

D. CHINO BASIN WATERMASTER REPORT

President Catlin reported that he attended in place of Director Elie. President Catlin stated that discussions are ongoing regarding the safe yield calculation

5. GENERAL MANAGER'S REPORT

The General Manager's Report was received and filed by the Board.

General Manager P. Joseph Grindstaff reported that there is an ongoing issue with an NRW customer in Chino, regarding continuous discharge issues. This issue may go to the SAWPA commission.

6. BOARD OF DIRECTORS REQUESTED FUTURE AGENDA ITEMS

None.

7. BOARD OF DIRECTORS' COMMENTS

Director Camacho attended the IEUA leadership breakfast on October 2, 2014, as well as the MWD Hoover Dam trip on October 26, 2014; both events were well attended.

Director Elie attended a reception for Supervisor Gary Ovitt. He also reported that there is a reception in honor of Supervisor Ovitt's retirement scheduled for November 18.

Director Hall attended the CSDA Leadership Conference on September 29, 2014 through October 1, 2014, she stated that the conference was well attended and would like the Agency to look into the Special District Transparency Certificate. On October, 2nd and 3rd Director Hall attended the Water 101 Conference at CVWD. Director Hall attended the SAWPA OWOW conference on October 14, 2014 and as well as an Annual Fundraiser Gala for the Mayor of Fontana.

President Catlin attended the IEUA leadership breakfast on October 2, 2014, it was informative, down to earth presentation. President Catlin attended the MWD Hoover Dam trip on October 26, 2014 and stated that it was a well-attended group that provided great discussion.

8. CLOSED SESSION

The Board went into Closed Session at 11:50 a.m., A. PURSUANT TO GOVERNMENT CODE SECTION 54956.9(a) – CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION: (1) Chino Basin Municipal Water District vs. City of Chino, Case No. RCV51010; (2) Martin vs. IEUA, Case No. CIVRS 1000767; (3) Sheilds vs. IEUA, Case No. CIVRS 1301638; (4) Desaddi vs. IEUA, Case No. CIVRS 1304617; (5) Kaveh Engineering and Construction Inc. Corp vs. IEUA, Case No. CIVRS 1402048 B. PURSUANT TO GOVERNMENT CODE SECTION 54956.8 – CONFERENCE WITH REAL PROPERTY

NEGOTIATOR: Property: Water and Pipeline Capacity/Cadiz, Negotiating Parties: General Counsel Jean Cihigoyenette; C. PURSUANT TO GOVERNMENT CODE SECTION 54956.9 – CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION: One (1) Case; D. PURSUANT TO GOVERNMENT CODE SECTION 54956.8 – CONFERENCE WITH REAL PROPERTY NEGOTIATOR: (1) Property: 117.509036, 34.076044 (Prologis Lagoon), Negotiating Parties: General Manager P. Joseph Grindstaff, Under Negotiation: Price and Terms of Purchase; (2) Supplemental Water Transfer/Purchase; Negotiating Parties: General Manager P. Joseph Grindstaff, Under Negotiation: Price and Terms of Purchase; E. PURSUANT TO GOVERNMENT CODE SECTION 54957 – PERSONNEL MATTERS – PUBLIC EMPLOYEE PERFORMANCE EVALUATION: General Manager

The meeting resumed at 1:13 p.m. and General Counsel Jean Cihigoyenette stated that the below-mentioned matters were discussed in Closed Session, and the Board took the following actions:

Regarding Conference with Legal Counsel – Existing Litigation:

Sheilds vs. IEUA, Case No. CIVRS 1301638

Martin vs. IEUA, Case No. CIVRS 1000767

Desaddi vs. IEUA, Case No. CIVRS 1304617

The Board took no reportable action.

Regarding Conference with Legal Counsel – Existing Litigation:

Chino Basin Municipal Water District vs. City of Chino, Case No. RCV51010

Kaveh Engineering and Construction Inc. Corp. vs. IEUA, Case No. CIVRS 1402048

The Board did not discuss.

Regarding Conference with Real Property Negotiator:

Property: Water and Pipeline Capacity/Cadiz

The Board took no reportable action.

Regarding Conference with Legal Counsel – Anticipated Litigation:

Case No. 1

The Board took no reportable action.

Regarding Conference with Real Property Negotiator:

Property: 117.509036, 34.076044 (Prologis Lagoon)

Supplemental Water Transfer/Purchase

The Board took no reportable action.

With no further business, President Catlin adjourned the meeting at 1:15 p.m.

Steven J. Elie, Secretary/Treasurer

APPROVED: NOVEMBER 19, 2014


CONSENT
CALENDAR
ITEM


1B


Date: November 19, 2014

To: The Honorable Board of Directors

Through: Finance, Legal, and Administration Committee (11/12/14)

From:  P. Joseph Grindstaff
General Manager

Submitted by:  Christina Valencia
Chief Financial Officer/Assistant General Manager

 Javier Chagoyen-Lazaro
Manager of Finance and Accounting

Subject: Treasurer's Report on General Disbursements

RECOMMENDATION

It is recommended that the Board of Directors approve the total disbursements for the month of September 2014 in the amount of \$16,723,727.56.

BACKGROUND

September disbursement activity includes vendor payments (check numbers 204957-205355) of \$8,863,841.48 and workers compensation payments (check numbers 03859-03899) of \$15,923.95. The total amount of ACH and wire transfer payments is \$7,834,476.95, which includes payroll taxes in the amount of \$591,334.66. The total employee pay was \$1,197,269.94. The total pay for the Board of Directors was \$4,555.11.

Payment Type		Transactions	Total Amount
Check	Vendors	399	8,863,841.48
	Workers-Comp	41	15,923.95
	Payroll-Directors'	5	4,555.11
	Payroll-Others	2	4,930.07
Subtotal Check		447	\$8,889,250.61
ACH		125	\$1,393,678.33
Wire Transfer	Payroll-Net Pay	2	1,192,339.87
	Others	17	5,248,458.75
Subtotal Wires		19	\$6,440,798.62
TOTAL		591	\$16,723,727.56

Treasurer's Report on General Disbursements

November 19, 2014

Page 2

Payments to vendors this month above \$500,000 include:

Vendor	Amount	Description
MWD	\$ 3,973,133.43	July 2014 Water Purchase
MNR Construction	\$ 2,357,544.28	EN13023-8/14 Pay Est. 17
CSDLAC	\$ 2,278,353.58	14/15-1Qtr Wstwtr Trtmnt,13/14 Wstwtr Trtmnt
SCE	\$ 569,343.29	8/14,9/14 Electric Svc
CDA	\$ 513,681.09	1010 Zn Pump Stn & Ppln-Inv#19-Grnt Pass Thru

PRIOR BOARD ACTION

None.

IMPACT ON BUDGET

The cash held by the Agency's various funds, including the Administrative Services (GG) Fund, is reduced as a result of paying the Agency's authorized expenditures.

Bank CBB CITIZENS BUSINESS BANK ONTARIO CA 917610000
Bank Key 122234149
Acct number CHECK 231167641

Check	Check number from to	Payment	Print date	Crcy	Amount paid (FC)	Recipient/Avoid reason code	Enca./Void
204957	2200060966	09/04/2014	USD	490.00	ADVANCED CHEMICAL TECHNOLOGY IRANCHO CUCAMONGA CA	09/10/2014	
204958	2200060945	09/04/2014	USD	70.50	AEI CASC CONSULTING COLTON CA	09/09/2014	
204959	2200060923	09/04/2014	USD	832.57	AIRGAS WEST INC PASADENA CA	09/18/2014	
204960	2200060955	09/04/2014	USD	1,530.30	AMERICAN MATERIAL COMPANY LAKE ELSINORE CA	09/10/2014	
204961	2200061016	09/04/2014	USD	104.54	AFONTE, LEANTHONY CHINO HILLS CA	09/11/2014	
204962	2200060932	09/04/2014	USD	1,598.40	APPLONE EMPLOYMENT SERVICES GLENDALE CA	09/10/2014	
204963	2200060957	09/04/2014	USD	71,132.17	AQUA-AEROBIC SYSTEMS INC LOVES PARK IL	09/29/2014	
204964	2200060944	09/04/2014	USD	213.32	BOOT BARN INC IRVINE CA	09/15/2014	
204965	2200060997	09/04/2014	USD	101.90	BREES, RODNEY CHINO HILLS CA	09/15/2014	
204966	2200061017	09/04/2014	USD	84.38	BRYANT, JAMES TYLER CHINO HILLS CA	09/17/2014	
204967	2200060959	09/04/2014	USD	6,000.00	CALIFORNIA STRATEGIES LLC IRVINE CA	09/10/2014	
204968	2200060972	09/04/2014	USD	14,413.14	CALIFORNIA WATER TECHNOLOGIES, PASADENA CA	09/10/2014	
204969	2200060937	09/04/2014	USD	759.83	CALOLYMPIC SAFETY CORONA CA	09/09/2014	
204970	2200061013	09/04/2014	USD	203.28	CAMACHO, MICHAEL CHINO HILLS CA	09/11/2014	
204971	2200060973	09/04/2014	USD	1,125.00	CAMET RESEARCH, INC. GOLETA CA	09/16/2014	
204972	2200060994	09/04/2014	USD	147.63	CARL H TAYLOR III CRYSTAL RIVER FL	09/11/2014	
204973	2200061004	09/04/2014	USD	98.39	CHICO, GABRIEL CHINO HILLS CA	09/16/2014	
204974	2200060993	09/04/2014	USD		voided by SHEATH - incorrect lot inserted	09/11/2014	
204975	2200060928	09/04/2014	USD	1,789.73	CITY OF ONTARIO ONTARIO CA	09/09/2014	
204976	2200061012	09/04/2014	USD	150.00	COLLINS, NICOLE CHINO HILLS CA	09/12/2014	
204977	2200061005	09/04/2014	USD	95.00	CUNNINGHAM, RICHARD CHINO HILLS CA	09/15/2014	
204978	2200060958	09/04/2014	USD	125.00	DAVE'S PLUMBING CHINO CA	09/15/2014	
204979	2200060968	09/04/2014	USD	59.52	DAVID WHEELER'S PEST CONTROL, NORCO CA	09/15/2014	
204980	2200060933	09/04/2014	USD	406.36	DELL MARKETING L P PASADENA CA	09/10/2014	
204981	2200060987	09/04/2014	USD	15,577.82	DELTA DENTAL SAN FRANCISCO CA	09/09/2014	
204982	2200060941	09/04/2014	USD	160.00	DEPT OF PUBLIC HEALTH-DRINKINGSACRAMENTO CA	09/15/2014	
204983	2200060943	09/04/2014	USD	9,800.00	DOLPHIN GROUP, THE LOS ANGELES CA	09/16/2014	
204984	2200061018	09/04/2014	USD	101.19	DYER, DANIEL CHINO HILLS CA	09/12/2014	
204985	2200060974	09/04/2014	USD	1,350.00	EARTHCAPEDES PACIFICA CA	09/24/2014	
204986	2200060970	09/04/2014	USD	3,992.81	ELECTRO-CHEMICAL DEVICES, INC IRVINE CA	09/09/2014	
204987	2200061015	09/04/2014	USD	77.34	ELLE, STEVE CHINO HILLS CA	09/12/2014	
204988	2200060969	09/04/2014	USD	520.00	EUROTECS EATON ANALYTICAL, INCGRAPEVINE TX	09/10/2014	
204989	2200060922	09/04/2014	USD	270.54	FIRST AID 2000 HUNTINGTON BEACH CA	09/15/2014	
204990	2200060918	09/04/2014	USD	972.16	FISHER SCIENTIFIC LOS ANGELES CA	09/08/2014	
204991	2200060926	09/04/2014	USD	2,237.53	FONTANA WATER COMPANY FONTANA CA	09/10/2014	
204992	2200060984	09/04/2014	USD	446.73	FONTANA WATER COMPANY FONTANA CA	09/10/2014	
204993	2200060992	09/04/2014	USD	31.58	FRANCHISE TAX BOARD SACRAMENTO CA	09/18/2014	
204994	2200060957	09/04/2014	USD	34,527.08	GEC TRANSPORT INC BAKERSFIELD CA	09/09/2014	
204995	2200060927	09/04/2014	USD	1,397.61	GRAINGER PALATINE IL	09/09/2014	
204996	2200060948	09/04/2014	USD	1,672.93	HACH COMPANY CHICAGO IL	09/09/2014	
204997	2200061019	09/04/2014	USD	115.25	HALL, JASMIN CHINO HILLS CA	09/10/2014	
204998	2200061011	09/04/2014	USD	405.07	HOLGUIN, GABRIEL CHINO HILLS CA	09/10/2014	
204999	2200060919	09/04/2014	USD	1,877.03	HOME DEPOT CREDIT SERVICES DES MOINES IA	09/10/2014	
205000	2200060998	09/04/2014	USD	253.19	HUSS, KERRY CHINO HILLS CA	09/12/2014	

Bank		CBB	CITIZENS BUSINESS BANK		ONTARIO CA 917610000	
Bank Key		122234149				
Acct number		CHECK	231167641			
Check						
Check number from to	Payment	Pmnt date	Crcy	Amount paid (FC)	Recipient/void reason code	Enca./void
205001	2200060988	09/04/2014			voided by SHEATH - Incorrect lot inserted	09/11/2014
205002	2200060938	09/04/2014	USD	1,193.94	IMPRESSIONS GOURMET CATERING ONTARIO CA	09/09/2014
205003	2200060991	09/04/2014	USD	66.00	INLAND EMPIRE UNITED WAY RANCHO CUCAMONGA CA	09/09/2014
205004	2200060956	09/04/2014	USD	783.00	INTERNATIONAL PUBLIC MANAGEMENALEXANDRIA VA	09/17/2014
205005	2200060925	09/04/2014	USD	991.57	INTERSTATE BATTERY SYSTEM ALTA LOMA CA	09/09/2014
205006	2200060962	09/04/2014	USD	1,150.00	JB'S POOLS & PONDS INC UPLAND CA	09/09/2014
205007	2200061014	09/04/2014	USD	262.68	JONES, KYLE CHINO HILLS CA	09/12/2014
205008	2200061009	09/04/2014	USD	193.31	KING, JUSTIN CHINO HILLS CA	09/12/2014
205009	2200060935	09/04/2014	USD	300.00	KONICA MINOLTA BUSINESS SOLUTIPASADENA CA	09/12/2014
205010	2200060977	09/04/2014	USD	73,017.19	LAW OFFICE OF MICHAEL R NEBENZCALABASAS CA	09/10/2014
205011	2200060942	09/04/2014	USD	9,114.65	LEE & RO INC CITY OF INDUSTRY CA	09/09/2014
205012	2200060995	09/04/2014	USD	288.00	MARIA FRESQUEZ LAS VEGAS NV	09/15/2014
205013	2200060965	09/04/2014	USD	590.00	MARS ENVIRONMENTAL INC ANAHEIM CA	09/15/2014
205014	2200060979	09/04/2014	USD	70,651.80	MAX OUT INC CITY OF INDUSTRY CA	09/08/2014
205015	2200060939	09/04/2014	USD	651.85	MCMASTER-CARR SUPPLY CO CHICAGO IL	09/11/2014
205016	2200060999	09/04/2014	USD	340.33	MEDEIROS, SHAWN CHINO HILLS CA	09/10/2014
205017	2200061003	09/04/2014	USD	92.36	MERRILL, DEBORAH CHINO HILLS CA	09/15/2014
205018	2200061000	09/04/2014	USD	218.60	MERRILL, DIANE CHINO HILLS CA	09/15/2014
205019	2200060960	09/04/2014	USD	30,864.35	MEYERS NAVE OAKLAND CA	09/09/2014
205020	2200060940	09/04/2014	USD	507.45	MIDPOINT BEARING ONTARIO CA	09/08/2014
205021	2200060924	09/04/2014	USD	103.72	MISSION REPROGRAPHICS RIVERSIDE CA	09/09/2014
205022	2200060947	09/04/2014	USD	5,730.35	NINYO & MOORE SAN DIEGO CA	09/09/2014
205023	2200060917	09/04/2014	USD	822.82	OFFICE DEPOT LOS ANGELES CA	09/08/2014
205024	2200060996	09/04/2014	USD	116.68	PACE, BRIAN CHINO HILLS CA	09/15/2014
205025	2200060954	09/04/2014	USD	2,554.50	POLLARDWATER.COM NEW HYDE PARK NY	09/10/2014
205026	2200060934	09/04/2014	USD	15,025.89	POLYDYNE INC ATLANTA GA	09/11/2014
205027	2200060978	09/04/2014	USD	766.00	PRO FLOW DYNAMICS LLC CORONA CA	09/15/2014
205028	2200060964	09/04/2014	USD	32,136.00	RAFTELIS FINANCIAL CONSULTANTSCHARLOTTE NC	09/09/2014
205029	2200060920	09/04/2014	USD	2,090.24	RAMONA TIRE & SERVICE CENTERS HEMET CA	09/10/2014
205030	2200060983	09/04/2014	USD	1,302.50	RANCHO DISPOSAL SERVICES INC BUENA PARK CA	09/10/2014
205031	2200060976	09/04/2014	USD	7,530.00	REWARD STRATEGY GROUP INC SAN DIEGO CA	09/23/2014
205032	2200061001	09/04/2014	USD	110.63	RIVERA, VINCENT CHINO HILLS CA	09/11/2014
205033	2200060951	09/04/2014	USD	23,131.16	RMC WATER AND ENVIRONMENT WALNUT CREEK CA	09/09/2014
205034	2200060953	09/04/2014	USD	5,092.00	ROBERT HALF MANAGEMENT RESOURCLOS ANGELES CA	09/09/2014
205035	2200060921	09/04/2014	USD	6,807.85	ROYAL WHOLESALE ELECTRIC ORANGE CA	09/09/2014
205036	2200060961	09/04/2014	USD	259.00	SAFE-ENTRY TECHNICAL INC RANCHO CUCAMONGA CA	09/11/2014
205037	2200061002	09/04/2014	USD	286.62	SAHAGUN, ALEX CHINO HILLS CA	09/11/2014
205038	2200060949	09/04/2014	USD	2,000.00	SAN ANTONIO WATER COMPANY UPLAND CA	10/21/2014
205039	2200060986	09/04/2014	USD	478.06	SHERIFF'S COURT SERVICES SAN BERNARDINO CA	09/10/2014
205040	2200060981	09/04/2014	USD	13,892.45	SO CALIF EDISON ROSEMEAD CA	09/09/2014
205041	2200060982	09/04/2014	USD	57.13	SO CALIF GAS MONTEREY PARK CA	09/12/2014
205042	2200060929	09/04/2014	USD	3,254.97	SOUTH COAST AQMD DIAMOND BAR CA	
205043	2200060930	09/04/2014	USD	6,837.39	SOUTH COAST AQMD DIAMOND BAR CA	09/12/2014
205044	2200061007	09/04/2014	USD	210.13	SPENDLOVE, DANNY CHINO HILLS CA	09/15/2014

Check number from to	Payment	Pmnt. date	Crcy	Amount paid (FC)	Recipient/void reason code	Enca./void
205045	2200060975	09/04/2014	USD	206,550.65	TECHNO COATINGS INC ANAHEIM CA	09/08/2014
205046	2200060971	09/04/2014	USD	18,821.25	THE BRICKMAN GROUP LTD LLC CHICAGO IL	09/09/2014
205047	2200060952	09/04/2014	USD	14,781.94	TRUSSELL TECHNOLOGIES INC PASADENA CA	09/12/2014
205048	2200060963	09/04/2014	USD	10,973.83	US BANK VOYAGER FLEET SYSTEMS KANSAS CITY MO	09/09/2014
205049	2200061008	09/04/2014	USD	179.74	VALENZUELA, ANDREW CHINO HILLS CA	09/23/2014
205050	2200061010	09/04/2014	USD	354.34	VELARDE, MARIO CHINO HILLS CA	09/12/2014
205051	2200060980	09/04/2014	USD	751.70	VERIZON CALIFORNIA DALLAS TX	09/11/2014
205052	2200060985	09/04/2014	USD	204.99	VERIZON COMMUNICATIONS DALLAS TX	09/12/2014
205053	2200060946	09/04/2014	USD	4,817.40	W A RASIC CONSTRUCTION CO INC LONG BEACH CA	09/09/2014
205054	2200060936	09/04/2014	USD	1,750.00	WASTE MANAGEMENT OF LOS ANGELES CA	09/10/2014
205055	2200060931	09/04/2014	USD	202.00	WATER ENVIRONMENT FEDERATION BOSTON MA	09/12/2014
205056	2200060950	09/04/2014	USD	142.14	WORLDWIDE EXPRESS ALBANY NY	09/10/2014
205060	2200061029	09/04/2014	USD	244.46	AMERICAN HERITAGE LIFE INSURANDALLAS TX	09/15/2014
205061	2200061031	09/04/2014	USD	1,917.72	FIDELITY SECURITY LIFE INSURANCINCINNATI OH	09/11/2014
205062	2200061030	09/04/2014	USD	52.19	PERS LONG TERM CARE PROGRAM PASADENA CA	09/11/2014
205063	2200061098	09/11/2014	USD	953.03	AIRGAS WEST INC PASADENA CA	09/18/2014
205064	2200061129	09/11/2014	USD	416.99	AMERICAN MATERIAL COMPANY LAKE ELSINORE CA	09/18/2014
205065	2200061102	09/11/2014	USD	779.22	APPLBONE EMPLOYMENT SERVICES GLENDALE CA	09/17/2014
205066	2200061150	09/11/2014	USD	6,207.00	BARBARA BENKER CHATSWORTH CA	09/18/2014
205067	2200061180	09/11/2014	USD	79.00	BECKER, NIKI CHINO HILLS CA	09/17/2014
205068	2200061105	09/11/2014	USD	1,028.00	BLACK & VEATCH CORPORATION KANSAS CITY MO	09/17/2014
205069	2200061181	09/11/2014	USD	393.68	BOUGHAN, ARIN CHINO HILLS CA	09/16/2014
205070	2200061114	09/11/2014	USD	17,879.50	BUTIER ENGINEERING INC TUSTIN CA	09/16/2014
205071	2200061103	09/11/2014	USD	475.00	CALIF MUNICIPAL STATISTICS INCOAKLAND CA	09/19/2014
205072	2200061151	09/11/2014	USD	225.00	CALIFORNIA ASSOCIATION OF PUBLSAN DIEGO CA	09/18/2014
205073	2200061144	09/11/2014	USD	9,653.11	CALIFORNIA WATER TECHNOLOGIES,PASADENA CA	09/17/2014
205074	2200061168	09/11/2014	USD	350.00	CAMPBELL, ANDREW CHINO HILLS CA	09/15/2014
205075	2200061174	09/11/2014	USD	120.96	CAMPOS, JESSE CHINO HILLS CA	09/19/2014
205076	2200061089	09/11/2014	USD	2,000.00	CARL WARREN & COMPANY LOS ANGELES CA	09/16/2014
205077	2200061126	09/11/2014	USD	150.28	CASCADE LUBE CORONA CA	09/17/2014
205078	2200061107	09/11/2014	USD	1,145.00	CEPA OPERATIONS INC ONTARIO CA	09/15/2014
205079	2200061125	09/11/2014	USD	1,626.44	CHAMPION FIRE SYSTEMS INC RANCHO CUCAMONGA CA	09/17/2014
205080	2200061169	09/11/2014	USD	17.92	CHARLES, DAVID CHINO HILLS CA	09/17/2014
205081	2200061161	09/11/2014			voided by SHEATH - Printed incorrectly	09/11/2014
205082	2200061152	09/11/2014	USD	894.23	CITY OF CHINO CHINO CA	09/15/2014
205083	2200061175	09/11/2014	USD	350.00	COLLINS, NICOLE CHINO HILLS CA	09/23/2014
205084	2200061116	09/11/2014	USD	6,926.75	CORE-ROSION PRODUCTS SIGNAL HILL CA	09/16/2014
205085	2200061090	09/11/2014	USD	2,275,198.99	COUNTY SANITATION DISTRICTS OFWHITTIER CA	09/17/2014
205086	2200061128	09/11/2014	USD	1,263.86	CUMMINS CAL PACIFIC LLC LOS ANGELES CA	09/16/2014
205087	2200061091	09/11/2014	USD	916.42	DATALOK COMPANY, THE LOS ANGELES CA	09/19/2014
205088	2200061136	09/11/2014	USD	575.00	DAVID WHEELER'S PEST CONTROL, NORCO CA	09/18/2014
205089	2200061104	09/11/2014	USD	1,363.43	BELL MARKETING L P PASADENA CA	09/16/2014
205090	2200061140	09/11/2014	USD	7,946.37	ELECTRO-CHEMICAL DEVICES, INC IRVINE CA	09/16/2014
205091	2200061141	09/11/2014	USD	3,000.00	EPI-USE AMERICA INC ATLANTA GA	09/22/2014

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205093	2200061092	09/11/2014	USD	2,504.23	FISHER SCIENTIFIC LOS ANGELES CA	09/16/2014
205094	2200061108	09/11/2014	USD	501.99	FLORENCE FILTER CORP COMPTON CA	09/23/2014
205095	2200061167	09/11/2014	USD	100.50	FLORES, MARIA E CHINO HILLS CA	09/15/2014
205096	2200061135	09/11/2014	USD	1,027.02	FOODCRAFT COFFEE SERVICE ORANGE CA	09/16/2014
205097	2200061149	09/11/2014	USD	191,478.68	FRANKLIN YOUNG INTERNATIONAL, UPLAND CA	09/16/2014
205098	2200061130	09/11/2014	USD	4,126.80	GIC TRANSPORT INC BAKERSFIELD CA	09/16/2014
205099	2200061100	09/11/2014	USD	1,212.22	GRAINGER PALATINE IL	09/16/2014
205100	2200061121	09/11/2014	USD	2,771.37	HACH COMPANY CHICAGO IL	09/17/2014
205101	2200061093	09/11/2014	USD	963.61	HARRINGTON INDUSTRIAL PLASTICS CHINO CA	09/16/2014
205102	2200061178	09/11/2014	USD	350.00	HODGES, BRANDEN CHINO HILLS CA	09/17/2014
205103	2200061094	09/11/2014	USD	263.30	HOME DEPOT CREDIT SERVICES DES MOINES IA	09/17/2014
205104	2200061170	09/11/2014	USD	79.00	HUBER, JENNIFER CHINO HILLS CA	09/22/2014
205105	2200061160	09/11/2014			voided by SHEATH - Printed incorrectly	09/11/2014
205106	2200061119	09/11/2014	USD	237,368.34	INLAND EMPIRE REGIONAL CHINO HILLS CA	09/15/2014
205107	2200061176	09/11/2014	USD	436.58	JONES, KYLE CHINO HILLS CA	09/12/2014
205108	2200061177	09/11/2014	USD	177.99	KING, JOE CHINO HILLS CA	09/30/2014
205109	2200061106	09/11/2014	USD	225.76	KONICA MINOLTA BUSINESS SOLUTIONS PASADENA CA	09/18/2014
205110	2200061173	09/11/2014	USD	350.00	LENING, SCOTT CHINO HILLS CA	09/17/2014
205111	2200061134	09/11/2014	USD	777.62	MAILFINANCE INC CHICAGO IL	09/18/2014
205112	2200061131	09/11/2014	USD	1,256.44	MEYERS NAVE OAKLAND CA	09/17/2014
205113	2200061122	09/11/2014	USD	189.00	NATIONAL VISION INC LAWRENCEVILLE GA	09/23/2014
205114	2200061179	09/11/2014	USD	248.39	NGUYEN, LONG F CHINO HILLS CA	09/15/2014
205115	2200061153	09/11/2014	USD	891.54	ONTARIO MUNICIPAL UTILITIES CO. ONTARIO CA	09/15/2014
205116	2200061165	09/11/2014	USD	24.32	PANTAYATI WONG, KANES CHINO HILLS CA	09/24/2014
205117	2200061095	09/11/2014	USD	660.75	PATTON SALES CORP ONTARIO CA	09/16/2014
205118	2200061163	09/11/2014	USD	17.92	PENMAN, DAVID CHINO HILLS CA	10/14/2014
205119	2200061099	09/11/2014	USD	317.95	PETTY CASH EXPENDITURES CHINO CA	09/18/2014
205120	2200061142	09/11/2014	USD	830.76	PMC ENGINEERING LLC DANBURY CT	09/17/2014
205121	2200061120	09/11/2014	USD	11,404.80	RACO MANUFACTURING & ENGINEERING MERVILLE CA	09/26/2014
205122	2200061147	09/11/2014	USD	393.26	REDEEMER LUTHERAN CHURCH & SCH. ONTARIO CA	
205123	2200061123	09/11/2014	USD	2,850.00	ROBERT HALF MANAGEMENT RESOURCES LOS ANGELES CA	09/16/2014
205124	2200061172	09/11/2014	USD	536.48	ROBISON, JOHN CHINO HILLS CA	09/16/2014
205125	2200061162	09/11/2014	USD	77.00	ROSALES, TIMOTEO CHINO HILLS CA	10/20/2014
205126	2200061113	09/11/2014	USD	3,791.25	ROSEMOUNT INC CHARLOTTE NC	09/18/2014
205127	2200061096	09/11/2014	USD	1,851.25	ROYAL WHOLESALE ELECTRIC ORANGE CA	09/16/2014
205128	2200061159	09/11/2014	USD	159,674.35	RP1 FUEL CELL LLC LOS ANGELES CA	09/17/2014
205129	2200061133	09/11/2014	USD	462.11	RUSSELL SIGLER INC LOS ANGELES CA	09/16/2014
205130	2200061164	09/11/2014	USD	48.59	RUSSO, VICKI R CHINO HILLS CA	10/03/2014
205131	2200061111	09/11/2014	USD	138.00	SAN BERNARDINO COUNTY SAN BERNARDINO CA	09/22/2014
205132	2200061138	09/11/2014	USD	4,070.00	SCHAEVEL ENGINEERING LLC ANAHEIM CA	09/16/2014
205133	2200061137	09/11/2014	USD	5,515.66	SINNOTT, PUEBLA, CAMPAGNE & CULOS ANGELES CA	09/23/2014
205134	2200061097	09/11/2014	USD	260.78	SMART & FINAL LOS ANGELES CA	09/22/2014
205135	2200061155	09/11/2014	USD	195,789.91	SO CALIF EDISON ROSEMEAD CA	09/16/2014

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205137		2200061146	09/11/2014	USD	28.08	SPORT PINS INTERNATIONAL INC UPLAND CA	09/17/2014
205138		2200061125	09/11/2014	USD	30,800.09	STANTEC CONSULTING INC CHICAGO IL	09/16/2014
205139		2200061148	09/11/2014	USD	5,728.00	TDC CONSULTS ALTADENA CA	09/18/2014
205140		2200061101	09/11/2014	USD	708.51	TG SCIENTIFIC GLASS FABRICATIOLAGUNA HILLS CA	09/17/2014
205141		2200061143	09/11/2014	USD	23,154.00	THE BRICKMAN GROUP LTD LLC CHICAGO IL	09/16/2014
205142		2200061157	09/11/2014	USD	1,018.93	TIME WARNER TELECOM DENVER CO	09/17/2014
205143		2200061171	09/11/2014	USD	275.00	TRAN, VINCENT CHINO HILLS CA	09/22/2014
205144		2200061117	09/11/2014	USD	2,420.00	U S BANK ST PAUL MN	09/18/2014
205145		2200061127	09/11/2014	USD	12,077.86	U S BANK ST LOUIS MO	09/17/2014
205146		2200061118	09/11/2014	USD	198.62	U S EQUIPMENT CO SANTA FE SPRINGS CA	09/16/2014
205147		2200061112	09/11/2014	USD	227.00	U S HEALTHWORKS MEDICAL GROUP LOS ANGELES CA	09/15/2014
205148		2200061110	09/11/2014	USD	620.82	U S HOSE INC ONTARIO CA	09/18/2014
205149		2200061145	09/11/2014	USD	320.00	V3IT CONSULTING INC NAPERVILLE IL	09/16/2014
205150		2200061124	09/11/2014	USD	2,061.20	VALLEY COURIERS INC CALABASAS CA	09/17/2014
205151		2200061154	09/11/2014	USD	775.09	VERIZON CALIFORNIA DALLAS TX	09/18/2014
205152		2200061158	09/11/2014	USD	177.69	VERIZON COMMUNICATIONS DALLAS TX	09/18/2014
205153		2200061109	09/11/2014	USD	1,500.00	WATER EDUCATION LA VERNE CA	
205154		2200061132	09/11/2014	USD	264.83	YRC PASADENA CA	09/16/2014
205155		2200061166	09/11/2014	USD	139.43	ZIEGENBEIN, JEFF CHINO HILLS CA	10/14/2014
205156		2200061182	09/11/2014	USD	300.00	ZIMMERMAN, JONATHAN RANCHO CUCAMONGA CA	09/22/2014
205157		2200061188	09/11/2014	USD	725.50	CITY EMPLOYEES ASSOCIATES LONG BEACH CA	09/24/2014
205158		2200061185	09/11/2014	USD	8,412.78	GIC TRANSPORT INC BAKERSFIELD CA	09/16/2014
205159		2200061187	09/11/2014	USD	207.00	IEUA EMPLOYEES' ASSOCIATION CHINO HILLS CA	09/26/2014
205160		2200061186	09/11/2014	USD	217.00	LITTLE SISTER'S TRUCK WASH, INBONSALL CA	09/17/2014
205161		2200061235	09/18/2014	USD	6,378.85	ACCURATE AIR ENGINEERING INC CERRITOS CA	09/24/2014
205162		2200061248	09/18/2014	USD	6,090.00	AEI CASC CONSULTING COLTON CA	09/24/2014
205163		2200061241	09/18/2014	USD	3,173.37	AERZEN USA CORPORATION PHILADELPHIA PA	09/23/2014
205164		2200061220	09/18/2014	USD	2,106.94	AIRGAS WEST INC PASADENA CA	09/23/2014
205165		2200061297	09/18/2014	USD	20.16	ALONSO, RON CHINO HILLS CA	09/29/2014
205166		2200061256	09/18/2014	USD	1,604.76	AMERICAN MATERIAL COMPANY LAKE ELSINORE CA	09/25/2014
205167		2200061270	09/18/2014	USD	759.46	AUTOZONE INC ATLANTA GA	09/23/2014
205168		2200061234	09/18/2014	USD	568.12	BEN MEADOWS CO JANESVILLE WI	09/24/2014
205169		2200061204	09/18/2014	USD	316.73	BRETHINEE ELECTRIC COLTON CA	09/24/2014
205170		2200061244	09/18/2014	USD	127,735.02	BUTIER ENGINEERING INC TUSTIN CA	09/23/2014
205171		2200061272	09/18/2014	USD	14,606.27	CALIFORNIA WATER TECHNOLOGIES PASADENA CA	09/24/2014
205172		2200061205	09/18/2014	USD	4,428.46	CALTROL, INC. LOS ANGELES CA	09/23/2014
205173		2200061290	09/18/2014	USD	147.63	CARL H TAYLOR III CRYSTAL RIVER FL	09/25/2014
205174		2200061294	09/18/2014	USD	45.92	CHICO, GABRIEL CHINO HILLS CA	10/08/2014
205175		2200061255	09/18/2014	USD	2,749.22	CINTAS CORPORATION LOC#150 PHOENIX AZ	09/23/2014
205176		2200061289	09/18/2014	USD	705.50	CITY EMPLOYEES ASSOCIATES LONG BEACH CA	09/24/2014
205177		2200061207	09/18/2014	USD	20.00	CITY RENTALS INC ONTARIO CA	09/23/2014
205178		2200061208	09/18/2014	USD	392.34	COLE FARMER INSTRUMENT CO CHICAGO IL	09/23/2014
205179		2200061236	09/18/2014	USD	659.06	COLONIAL LIFE & ACCIDENT INSURCOLUMBIA SC	09/24/2014

Bank		CBB	CITIZENS BUSINESS BANK		ONTARIO CA 917610000	
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205180	2200061288	09/18/2014	USD	61.44	CONSECO LIFE INSURANCE COMPANYPITTSBURGH CA	09/24/2014
205181	2200061268	09/18/2014	USD	20,202.17	CONSERV CONSTRUCTION, INC MURRIETA CA	09/24/2014
205182	2200061262	09/18/2014	USD	1,950.00	CORRPRO COMPANIES INC DALLAS TX	09/24/2014
205183	2200061229	09/18/2014	USD	792.54	CORTECH ENGINEERING LLC YORBA LINDA CA	09/23/2014
205184	2200061209	09/18/2014	USD	3,154.59	COUNTY SANITATION DISTRICTS OFWHITTIER CA	09/23/2014
205185	2200061277	09/18/2014	USD	55.20	CUCAMONGA VALLEY WATER DISTRICTLOS ANGELES CA	09/23/2014
205186	2200061263	09/18/2014	USD	575.00	DAVID WHEELER'S PEST CONTROL, NORCO CA	09/30/2014
205187	2200061226	09/18/2014	USD	144.23	DME INC SANTA FE SPRINGS CA	09/24/2014
205188	2200061273	09/18/2014	USD	21,065.00	DREWES ENVIRONMENTAL LLC GOLDEN CO	09/30/2014
205189	2200061264	09/18/2014	USD	2,206.01	EMERSON PROCESS MANAGEMENT CHARLOTTE NC	09/25/2014
205190	2200061274	09/18/2014	USD	79.92	EVOQUA WATER TECHNOLOGIES LLC PITTSBURGH PA	09/25/2014
205191	2200061211	09/18/2014	USD	919.41	FISHER SCIENTIFIC LOS ANGELES CA	09/23/2014
205192	2200061239	09/18/2014	USD	380.68	FLORENCE FILTER CORP COMPTON CA	09/30/2014
205193	2200061300	09/18/2014	USD	2,725.22	FLORES, JUAN CHINO HILLS CA	10/02/2014
205194	2200061296	09/18/2014	USD	1,016.03	FRAZIER, JAMES M CHINO HILLS CA	09/25/2014
205195	2200061212	09/18/2014	USD	16,054.69	G-F ELECTRIC MOTOR-SALT LAKE CITY UT	09/23/2014
205196	2200061275	09/18/2014	USD	7,074.00	GE CONSUMER & INDUSTRIAL ATLANTA GA	09/23/2014
205197	2200061258	09/18/2014	USD	1,070.75	GIC TRANSPORT INC BAKERSFIELD CA	09/24/2014
205198	2200061225	09/18/2014	USD	1,601.37	GRAINGER PALATINE IL	09/24/2014
205199	2200061249	09/18/2014	USD	1,952.07	HACH COMPANY CHICAGO IL	09/23/2014
205200	2200061213	09/18/2014	USD	791.37	HARRINGTON INDUSTRIAL PLASTICSCHINO CA	09/23/2014
205201	2200061214	09/18/2014	USD	1,201.30	HOME DEPOT CREDIT SERVICES DES MOINES IA	09/24/2014
205202	2200061292	09/18/2014	USD	21.62	HUSS, KERRY CHINO HILLS CA	09/24/2014
205203	2200061284	09/18/2014	USD	210.00	IEUA EMPLOYEES' ASSOCIATION CHINO HILLS CA	09/26/2014
205204	2200061285	09/18/2014	USD	66.00	INLAND EMPIRE UNITED WAY RANCHO CUCAMONGA CA	09/26/2014
205205	2200061252	09/18/2014	USD	43,392.28	INTEGRATED DESIGN SERVICES INCIRVINE CA	09/22/2014
205206	2200061245	09/18/2014	USD	2,000.00	INTERNATIONAL BUSINESS MACHINEPITTSBURGH PA	09/23/2014
205207	2200061233	09/18/2014	USD	1,489.04	KONICA MINOLTA PASADENA CA	09/24/2014
205208	2200061232	09/18/2014	USD	1,937.68	KONICA MINOLTA BUSINESS SOLUTIPASADENA CA	09/25/2014
205209	2200061257	09/18/2014	USD	11,446.00	LANDTEC NORTH AMERICA COLTON CA	09/23/2014
205210	2200061260	09/18/2014	USD	10,000.00	LAWNSCAPE SYSTEMS INC MONTCCLAIR CA	09/23/2014
205211	2200061291	09/18/2014	USD	288.00	MARIA FRESQUEZ LAS VEGAS NV	09/29/2014
205212	2200061243	09/18/2014	USD	48.85	MCCROMETER INC CHICAGO IL	09/23/2014
205213	2200061259	09/18/2014	USD	9,857.28	MERCHANTS BUILDING MAINTENANCEMONTEREY PARK CA	09/23/2014
205214	2200061228	09/18/2014	USD	692.36	MERIAM PROCESS TECHNOLOGIES CLEVELAND OH	09/25/2014
205215	2200061240	09/18/2014	USD	1,013.75	MIDPOINT BEARING ONTARIO CA	09/22/2014
205216	2200061221	09/18/2014	USD	358.81	MISSION REPROGRAPHICS RIVERSIDE CA	09/23/2014
205217	2200061253	09/18/2014	USD	3,713.58	NALCO COMPANY DALLAS TX	09/25/2014
205218	2200061210	09/18/2014	USD	350.98	OFFICE DEPOT LOS ANGELES CA	09/23/2014
205219	2200061276	09/18/2014	USD	585.28	ONTARIO MUNICIPAL UTILITIES COONTARIO CA	09/22/2014
205220	2200061269	09/18/2014	USD	43,881.00	PAMCO MACHINE WORKS INC RANCHO CUCAMONGA CA	09/23/2014
205221	2200061287	09/18/2014	USD	52.19	PERS LONG TERM CARE PROGRAM PASADENA CA	09/25/2014
205222	2200061223	09/18/2014	USD	238.57	PETE'S ROAD SERVICE FULLERTON CA	09/23/2014
205223	2200061231	09/18/2014	USD	8,292.97	PLATINUM PLUS FOR BUSINESS WILMINGTON DE	09/24/2014

Bank		CBB	CITIZENS BUSINESS BANK		ONTARIO CA 917610000	
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205224	2200061215	09/18/2014	USD	2,371.52	RAMONA TIRE & SERVICE CENTERS HEMET CA	09/24/2014
205225	2200061206	09/18/2014	USD	82.56	RBM LOCK & KEY ONTARIO CA	10/06/2014
205226	2200061299	09/18/2014	USD	50.40	RIVERA, DOUG CHINO HILLS CA	09/29/2014
205227	2200061236	09/18/2014	USD	4,635.00	RMS ENGINEERING & DESIGN CORONA DEL MAR CA	09/23/2014
205228	2200061293	09/18/2014	USD	188.16	ROSALES, TIMOTEO CHINO HILLS CA	09/30/2014
205229	2200061216	09/18/2014	USD	6,067.69	ROYAL WHOLESALE ELECTRIC ORANGE CA	09/23/2014
205230	2200061251	09/18/2014	USD	1,366.31	RSD LAKE FOREST CA	09/23/2014
205231	2200061298	09/18/2014	USD	50.40	RUSSO, EFRAIN CHINO HILLS CA	09/29/2014
205232	2200061254	09/18/2014	USD	5,462.00	SAN BERNARDINO COUNTY SAN BERNARDINO CA	09/30/2014
205233	2200061230	09/18/2014	USD	186.24	SHAPE PRODUCTS CO OAKLAND CA	09/25/2014
205234	2200061283	09/18/2014	USD	467.28	SHERIFF'S COURT SERVICES SAN BERNARDINO CA	09/25/2014
205235	2200061279	09/18/2014	USD	21,673.95	SO CALIF EDISON ROSEMEAD CA	09/23/2014
205236	2200061280	09/18/2014	USD	11,559.77	SO CALIF GAS MONTEREY PARK CA	09/25/2014
205237	2200061224	09/18/2014	USD	351.42	SUNSHINE FILTERS OF PINELLAS ILARGO FL	09/25/2014
205238	2200061295	09/18/2014	USD	45.36	SWEZEY, TOM CHINO HILLS CA	10/06/2014
205239	2200061237	09/18/2014	USD	5,533.36	THRATCHER COMPANY OF CALIFORNIA SALT LAKE CITY UT	09/23/2014
205240	2200061246	09/18/2014	USD	172.42	THERMO ENVIRONMENTAL INSTRUMENCINCINNATI OH	09/24/2014
205241	2200061261	09/18/2014	USD	1,500.00	TOTALFUNDS BY HASLER TAMPA FL	10/01/2014
205242	2200061222	09/18/2014	USD	1,162.76	TRANSCAT INC BALTIMORE MD	09/23/2014
205243	2200061267	09/18/2014	USD	2,795.00	TRICO CORPORATION PEWAUKEE WI	09/24/2014
205244	2200061238	09/18/2014	USD	581.86	ULTRA SCIENTIFIC NORTH KINGSTOWN RI	09/24/2014
205245	2200061217	09/18/2014	USD	390.00	UNDERGROUND SERVICE ALERT/SC CORONA CA	09/25/2014
205246	2200061265	09/18/2014	USD	806.40	UPS PROTECTION INC ANAHEIM CA	09/23/2014
205247	2200061250	09/18/2014	USD	29.16	URIMAGE BLOOMINGTON CA	09/25/2014
205248	2200061271	09/18/2014	USD	13,313.33	UTILIQUEST LLC ATLANTA GA	09/23/2014
205249	2200061282	09/18/2014	USD	429.25	VERIZON BUSINESS DALLAS TX	09/24/2014
205250	2200061278	09/18/2014	USD	3,700.36	VERIZON CALIFORNIA DALLAS TX	09/25/2014
205251	2200061281	09/18/2014	USD	894.71	VERIZON COMMUNICATIONS DALLAS TX	09/25/2014
205252	2200061218	09/18/2014	USD	2,661.29	VWR INTERNATIONAL LLC PITTSBURGH PA	09/23/2014
205253	2200061242	09/18/2014	USD	39,483.25	WATERMAN INDUSTRIES EXETER CA	09/25/2014
205254	2200061219	09/18/2014	USD	69.66	WAXIE SANITARY SUPPLY LOS ANGELES CA	09/23/2014
205255	2200061247	09/18/2014	USD	1,565.57	WESTERN WATER WORKS SUPPLY CO CHINO HILLS CA	09/23/2014
205256	2200061266	09/18/2014	USD	4,705.81	XYLEM WATER SOLUTIONS USA INC CHICAGO IL	09/25/2014
205257	2200061227	09/18/2014	USD	520.03	YALE CHASE EQUIPMENT AND SERVILOS ANGELES CA	09/23/2014
205258	2200061319	09/23/2014	USD	337,986.98	SO CALIF EDISON ROSEMEAD CA	09/26/2014
205259	2200061487	09/25/2014	USD	17,503.03	1ST ENTERPRISE BANK/RETENTION LOS ANGELES CA	10/01/2014
205260	2200061446	09/25/2014	USD	1,294.17	ACCURATE MEASUREMENT SYSTEMS IDANA POINT CA	10/02/2014
205261	2200061509	09/25/2014	USD	49.50	AGUILAR, JOSHUA CHINO HILLS CA	10/20/2014
205262	2200061429	09/25/2014	USD	2,500.73	AIRGAS WEST INC PASADENA CA	10/15/2014
205263	2200061432	09/25/2014	USD	599.40	APPLEONE EMPLOYMENT SERVICES GLENDALE CA	10/01/2014
205264	2200061482	09/25/2014	USD	145.58	AUTOZONE INC ATLANTA GA	10/01/2014
205265	2200061485	09/25/2014	USD	304.56	B STEPHEN COOPERAGE ONTARIO CA	10/01/2014
205266	2200061492	09/25/2014	USD	13,588.50	BALI CONSTRUCTION, INC. S EL MONTE CA	09/30/2014
205267	2200061469	09/25/2014	USD	124,081.28	BANK OF SACRAMENTO SACRAMENTO CA	09/30/2014

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Acct number		CHECK 231167641				
Check						
Check number from to	Payment	Pmnt date	Crcy	Amount paid (FC)	Recipient/void reason code	Enca./void
205268	2200061418	09/25/2014	USD	2,741.97	BEAR STATE PUMP & EQUIPMENT COONTARIO CA	09/30/2014
205269	2200061461	09/25/2014	USD	100.00	BOWMAN, JIM W ONTARIO CA	09/29/2014
205270	2200061501	09/25/2014	USD	175.97	BREIG, ANNA VICTORVILLE CA	
205271	2200061442	09/25/2014	USD	451.55	BUSINESS & LEGAL RESOURCES, INNASHVILLE TN	10/01/2014
205272	2200061445	09/25/2014	USD	23,072.64	BUTIER ENGINEERING INC TUSTIN CA	09/30/2014
205273	2200061459	09/25/2014	USD	250.00	CAL POLY POMONA FOUNDATION POMONA CA	
205274	2200061433	09/25/2014	USD	156.00	CALIF WATER ENVIRONMENT ASSOC OAKLAND CA	10/07/2014
205275	2200061439	09/25/2014	USD	52,668.00	CALIFORNIA WATER TECHNOLOGIES, PASADENA CA	10/01/2014
205276	2200061436	09/25/2014	USD	275.93	CALOLYMPIC SAFETY CORONA CA	09/30/2014
205277	2200061439	09/25/2014	USD	1,127.91	CHARLES P CROWLEY CO IRWINDALE CA	10/03/2014
205278	2200061462	09/25/2014	USD	3,909.54	CINTAS CORPORATION LOC#150 PHOENIX AZ	09/30/2014
205279	2200061464	09/25/2014	USD	557.63	COMMUNITY BANK PASADENA CA	10/02/2014
205280	2200061474	09/25/2014	USD	50.00	CONSTRUCTION MANAGEMENT BALTIMORE MD	10/01/2014
205281	2200061481	09/25/2014	USD	5,953.60	CONTROLWORX HOUSTON TX	09/30/2014
205282	2200061434	09/25/2014	USD	105,319.87	CORTECH ENGINEERING LLC YORBA LINDA CA	09/30/2014
205283	2200061470	09/25/2014	USD	106.25	CRB SECURITY SOLUTIONS WESTMINSTER CA	10/01/2014
205284	2200061477	09/25/2014	USD	207.31	CRUMP & CO INC PASADENA CA	10/06/2014
205285	2200061451	09/25/2014	USD	1,129.26	CS-AMSCO HUNTINGTON BEACH CA	10/06/2014
205286	2200061491	09/25/2014	USD	6,992.76	D & H WATER SYSTEMS, INC. OCEANSIDE CA	10/10/2014
205287	2200061467	09/25/2014	USD	125.00	DAVE'S PLUMBING CHINO CA	10/06/2014
205288	2200061456	09/25/2014	USD	100.00	EATON, PAUL MONCLAIR CA	10/01/2014
205289	2200061511	09/25/2014	USD	350.00	ELEBY, CRYSTAL CHINO HILLS CA	09/29/2014
205290	2200061455	09/25/2014	USD	100.00	ELROD, EARL CHINO CA	10/02/2014
205291	2200061436	09/25/2014	USD	22,530.43	EMA, INC. SAINT PAUL MN	10/01/2014
205292	2200061421	09/25/2014	USD	1,194.27	FISHER SCIENTIFIC LOS ANGELES CA	09/30/2014
205293	2200061431	09/25/2014	USD	268.70	FONTANA HERALD NEWS FONTANA CA	10/01/2014
205294	2200061478	09/25/2014	USD	691.55	FOODCRAFT COFFEE SERVICE ORANGE CA	09/30/2014
205295	2200061494	09/25/2014	USD	601.38	FRESNO FIRST BANK FRESNO CA	10/01/2014
205296	2200061480	09/25/2014	USD	89,900.00	GHD INC IRVINE CA	10/07/2014
205297	2200061466	09/25/2014	USD	17,217.60	GIC TRANSPORT INC BAKERSFIELD CA	09/30/2014
205298	2200061430	09/25/2014	USD	3,004.07	GRAINGER PALATINE IL	09/30/2014
205299	2200061495	09/25/2014	USD	153,236.29	GSE CONSTRUCTION COMPANY INC. LIVERMORE CA	10/01/2014
205300	2200061449	09/25/2014	USD	1,733.91	HACH COMPANY CHICAGO IL	10/02/2014
205301	2200061514	09/25/2014	USD	1,593.01	HALL, JASMIN CHINO HILLS CA	10/06/2014
205302	2200061422	09/25/2014	USD	8,827.99	HARRINGTON INDUSTRIAL PLASTICSCHINO CA	09/30/2014
205303	2200061504	09/25/2014	USD	470.94	HOBBS, DIANA APPLE VALLEY CA	10/02/2014
205304	2200061423	09/25/2014	USD	268.49	HOME DEPOT CREDIT SERVICES DES MOINES IA	09/30/2014
205305	2200061502	09/25/2014	USD	470.94	HORNE, WILLIAM YUCCA VALLEY CA	10/02/2014
205306	2200061507	09/25/2014	USD	350.00	HOUSER, RODERICK A CHINO HILLS CA	10/01/2014
205307	2200061447	09/25/2014	USD	5,000.00	IVAMS, INC RANCHO CUCAMONGA CA	10/03/2014
205308	2200061424	09/25/2014	USD	64,227.60	J R FILANC CONSTRUCTION CO. INCESCNDIDO CA	10/01/2014
205309	2200061435	09/25/2014	USD	560.68	KONICA MINOLTA-BUSINESS SOLUTIPASADENA CA	10/02/2014
205310	2200061473	09/25/2014	USD	5,000.00	LAWNSCAPE SYSTEMS INC MONCLAIR CA	09/30/2014
205311	2200061506	09/25/2014	USD	309.90	LEGALSHIELD ADA OK	10/03/2014

Bank		CITIZENS BUSINESS BANK		ONTARIO CA 917610000		
Bank Key		122234149				
Acct number		CHECK 231167641				
Check						
Check number from to	Payment	Pmnt date	Crcy	Amount paid {FC}	Recipient/void reason code	Enca./void
205312	2200061505	09/25/2014	USD	25.40	LINCOLN LIFE-TERM LIFE CHICAGO IL	10/02/2014
205313	2200061468	09/25/2014	USD	495.00	MERCHANTS BUILDING MAINTENANCE MONTEREY PARK CA	09/30/2014
205314	2200061472	09/25/2014	USD	4,845.75	MEYERS NAVE OAKLAND CA	10/01/2014
205315	2200061438	09/25/2014	USD	725.65	MIDPOINT BEARING ONTARIO CA	09/29/2014
205316	2200061503	09/25/2014	USD	717.76	MILLER, ELMER L BLUE JAY CA	10/06/2014
205317	2200061485	09/25/2014	USD	2,357,544.28	MNR CONSTRUCTION INC BALDWIN PARK CA	09/30/2014
205318	2200061510	09/25/2014	USD	183.97	MORENO, CONNIE CHINO HILLS CA	09/29/2014
205319	2200061512	09/25/2014	USD	199.00	MORENO, MANUEL CHINO HILLS CA	10/03/2014
205320	2200061490	09/25/2014	USD	10,594.98	MS CONSTRUCTION MANAGEMENT GRODANA POINT CA	09/30/2014
205321	2200061493	09/25/2014	USD	5,740.00	MSO TECHNOLOGIES INC THOUSAND OAKS CA	10/03/2014
205322	2200061457	09/25/2014	USD	1,870.20	NATIONAL CONSTRUCTION RENTALS PACOIMA CA	10/01/2014
205323	2200061444	09/25/2014	USD	50,000.00	NATIONAL WATER RESEARCH INSTIT FOUNTAIN VALLEY CA	10/01/2014
205324	2200061440	09/25/2014	USD	203,892.99	NORMAN A OLSSON CONSTRUCTION IORANGE CA	09/30/2014
205325	2200061420	09/25/2014	USD	7,804.90	OFFICE DEPOT LOS ANGELES CA	09/30/2014
205326	2200061499	09/25/2014	USD	5,696.44	ONTARIO MUNICIPAL UTILITIES CO ONTARIO CA	09/29/2014
205327	2200061443	09/25/2014	USD	2,635.20	PALM AUTO DETAIL INC COLTON CA	10/06/2014
205328	2200061483	09/25/2014	USD	332,557.66	PASO ROBLES TANK, INC PASO ROBLES CA	10/02/2014
205329	2200061486	09/25/2014	USD	830.76	PMC ENGINEERING LLC DANBURY CT	09/30/2014
205330	2200061425	09/25/2014	USD	290.50	RAYNE WATER CONDITIONING COVINA CA	09/29/2014
205331	2200061450	09/25/2014	USD	2,983.00	ROBERT HALF MANAGEMENT RESOURCLOS ANGELES CA	09/30/2014
205332	2200061484	09/25/2014	USD	2,766.90	ROBINSON GROUP LLC BOTHELL WA	10/01/2014
205333	2200061463	09/25/2014	USD	100.00	ROGERS, PETER J CHINO HILLS CA	10/16/2014
205334	2200061426	09/25/2014	USD	3,827.27	ROYAL WHOLESALE ELECTRIC ORANGE CA	09/30/2014
205335	2200061458	09/25/2014	USD	278.64	RSD LAKE FOREST CA	09/30/2014
205336	2200061498	09/25/2014	USD	100.00	SANDOVAL, JESUS L FONTANA CA	10/07/2014
205337	2200061479	09/25/2014	USD	31,428.26	SINNOTT, PUEBLA, CAMPAGNE & CULOS ANGELES CA	10/02/2014
205338	2200061452	09/25/2014	USD	401.14	SKALAR INC BUFORD GA	10/07/2014
205339	2200061427	09/25/2014	USD	169.51	SMART & FINAL LOS ANGELES CA	10/06/2014
205340	2200061428	09/25/2014	USD	2,165.41	SOUTHWEST ALARM SERVICE UPLAND CA	09/30/2014
205341	2200061508	09/25/2014	USD	209.00	SPAETH, ERIC CHINO HILLS CA	10/06/2014
205342	2200061488	09/25/2014	USD	100.00	STONE, DEBRA KAYE UPLAND CA	
205343	2200061476	09/25/2014	USD	471.51	TASC MILWAUKEE WI	10/02/2014
205344	2200061497	09/25/2014	USD	8,064.00	TDC CONSULTS ALTADENA CA	10/01/2014
205345	2200061439	09/25/2014	USD	20.00	THREE VALLEYS MWD CLAREMONT CA	
205346	2200061441	09/25/2014	USD	1,737.82	TOM DODSON & ASSOCIATES SAN BERNARDINO CA	10/03/2014
205347	2200061513	09/25/2014	USD	350.00	TRAN, VINCENT CHINO HILLS CA	10/06/2014
205348	2200061471	09/25/2014	USD	1,109.73	TRANE U S INC CHICAGO IL	09/30/2014
205349	2200061460	09/25/2014	USD	580.00	UC REGENTS RIVERSIDE CA	10/06/2014
205350	2200061437	09/25/2014	USD	186.05	ULTRA SCIENTIFIC NORTH KINGSTOWN RI	10/01/2014
205351	2200061475	09/25/2014	USD	12,675.88	UNIVERSAL PROTECTION SERVICE PASADENA CA	09/30/2014
205352	2200061454	09/25/2014	USD	1,582.86	VALLEY COURIERS INC LOS ANGELES CA	10/01/2014
205353	2200061500	09/25/2014	USD	933.86	VERIZON CALIFORNIA DALLAS TX	10/02/2014
205354	2200061448	09/25/2014	USD	124,330.07	W A RASIC CONSTRUCTION CO INC LONG BEACH CA	09/30/2014
205355	2200061453	09/25/2014	USD	11,426.25	W M LYLES COMPANY FRESNO CA	10/02/2014

Total of all entries

Check Register

10/22/2014 / 17:19:23

User: DSPRINGE

Page: 10

Check number from to	Payment	Pmnt date	Crcy	Amount paid (FC)	Recipient/void reason code	Enca./void
* Payment method Check			USD	8,842,660.07		

Inland Empire Util. Agency
 Chino, CA
 Company code 1000

Check Register

10/22/2014 / 17:19:23
 User: DSPRINGE
 Page: 11

Bank	CBB	CITIZENS BUSINESS BANK		ONTARIO CA 917610000		
Bank Key	122234149					
Acct number	CHECK	231167641				
* Separate Check						
Check number from to	Payment	Pmnt date	Crcy	Amount paid (FC)	Recipient/void reason code	Enca./void
205057	2200061006	09/04/2014	USD	91.17	CUNNINGHAM, RICHARD CHINO HILLS CA	09/12/2014
205058	2200060989	09/04/2014	USD	18,221.16	STANDARD INSURANCE CO PORTLAND OR	09/12/2014
205059	2200060990	09/04/2014	USD	2,869.08	STANDARD INSURANCE CO PORTLAND OR	09/10/2014
* Payment method Separate Check			USD	21,181.41		

Total of all entries

Check Register

10/22/2014 / 17:19:23

User: DSPRINGE

Page: 12

Check number from to	Payment	Print date	Crcy	Amount paid (FC)	Recipient/void reason code	Enca./void
**			USD	8,863,841.48		

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Bank Key		122234149				
Acct number		WCMP	231159290			
Checks created manually						
Check number from to	Payment	Pmnt date	Crcy	Amount paid (FC)	Recipient/void reason code	Each./void
03859	2200061076	09/03/2014	USD	37.02	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03860	2200061077	09/03/2014	USD	96.90	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03861	2200061531	09/10/2014	USD	331.76	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03862	2200061532	09/10/2014	USD	211.70	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03863	2200061533	09/10/2014	USD	96.98	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03864	2200061534	09/10/2014	USD	126.09	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03865	2200061535	09/10/2014	USD	172.50	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03866	2200061536	09/10/2014	USD	1,275.00	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03867	2200061537	09/10/2014	USD	225.00	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03868	2200061538	09/10/2014	USD	2,769.77	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03869	2200061539	09/10/2014	USD	1,292.00	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03870	2200061540	09/10/2014	USD	210.40	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03871	2200061541	09/10/2014	USD	1,437.86	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03872	2200061542	09/10/2014	USD	128.78	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03873	2200061543	09/17/2014	USD	126.09	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03874	2200061544	09/17/2014	USD	280.00	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03875	2200061545	09/17/2014	USD	333.12	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03876	2200061546	09/17/2014	USD	192.06	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03877	2200061547	09/17/2014	USD	639.90	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03878	2200061548	09/17/2014	USD	1,081.16	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03879	2200061549	09/17/2014	USD	74.86	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03880	2200061550	09/17/2014	USD	48.00	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03881	2200061551	09/17/2014	USD	76.42	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03882	2200061552	09/17/2014	USD	96.98	YORK RISK SERVICES GROUP, INC PARSIPPANY NY	
03883	2200061553	09/17/2014	USD	1,768.22	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03884	2200061554	09/17/2014	USD	16.22	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03885	2200061555	09/24/2014	USD	148.00	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03886	2200061556	09/24/2014	USD	72.98	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03887	2200061557	09/24/2014	USD	126.09	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03888	2200061558	09/24/2014	USD	113.82	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03889	2200061559	09/24/2014	USD	252.29	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03890	2200061563	09/24/2014	USD	96.98	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03891	2200061564	09/24/2014	USD	1,437.86	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03892	2200061565	09/24/2014	USD	17.95	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03893	2200061566	09/24/2014	USD	40.49	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03894	2200061568	09/30/2014	USD	103.61	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03895	2200061569	09/30/2014	USD	98.28	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03896	2200061570	09/30/2014	USD	102.06	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03897	2200061571	09/30/2014	USD	98.28	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03898	2200061572	09/30/2014	USD	98.28	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
03899	2200061573	09/30/2014	USD	62.19	YORK INSURANCE SERVICES GROUP CITY OF INDUSTRY CA	
* Payment method Checks created manually			USD	15,923.95		

Total of all entries

Check Register

10/22/2014 / 17:19:52

User: DSPRINGE

Page: 2

Check number from to	Payment	Pmnt date	Crcy	Amount paid (FC)	Recipient/void reason code	Enca./void
**			USD	15,923.95		

Check Payee / Description Amount

Wire	EMPLOYMENT DEVELOPMENT DEPARTM			
	P/R 18 9/5 Taxes	HR	0019200	39,068.06
	P/R 18 9/5 Taxes	HR	0019200	8,763.28
				- - - - -
	EMPLOYMENT DEVELOPMENT DEPARTM\$			47,831.34
Wire	INTERNAL REVENUE SERVICE			
	P/R 18 9/5 Taxes	HR	0019200	245,205.84
				- - - - -
	INTERNAL REVENUE SERVICE		\$	245,205.84
Wire	EMPLOYMENT DEVELOPMENT DEPARTM			
	P/R 120 9/19 Taxes	HR	0019600	8.48
	P/R 119 9/19 Taxes	HR	0019500	63.20
	P/R 119 9/19 Taxes	HR	0019500	379.75
	P/R 19 9/19 Taxes	HR	0019700	39,186.91
	P/R 19 9/19 Taxes	HR	0019700	8,827.90
				- - - - -
	EMPLOYMENT DEVELOPMENT DEPARTM\$			48,466.24
Wire	INTERNAL REVENUE SERVICE			
	P/R 119 9/19 Taxes	HR	0019500	1,993.17
	P/R 120 9/19 Taxes	HR	0019600	132.73
	P/R 19 9/19 Taxes	HR	0019700	245,152.25
				- - - - -
	INTERNAL REVENUE SERVICE		\$	247,278.15
Wire	EMPLOYMENT DEVELOPMENT DEPARTM			
	P/R DIR 009 9/4 Taxes	HR	0019300	361.26
				- - - - -
	EMPLOYMENT DEVELOPMENT DEPARTM\$			361.26
Wire	INTERNAL REVENUE SERVICE			
	P/R DIR 009 9/4 Taxes	HR	0019300	2,191.83
				- - - - -
	INTERNAL REVENUE SERVICE		\$	2,191.83
Wire	BANK OF AMERICA NT&SA			
	P/R 18 9/5 EFT Direct Deposit	090514		597,418.74
				- - - - -
	BANK OF AMERICA NT&SA		\$	597,418.74
Wire	BANK OF AMERICA NT&SA			
	P/R 19 9/19 EFT Direct Deposit	091914		594,921.13
				- - - - -
	BANK OF AMERICA NT&SA		\$	594,921.13
ACH	AQUA BEN CORPORATION			
	DAFT-4,600 Lbs Polymer 748E	32449		4,992.84
	RP1-16,100 Lbs Polymer 750A	32450		20,691.72
				- - - - -
	AQUA BEN CORPORATION		\$	25,684.56
ACH	JCI JONES CHEMICALS INC			
	RP-2 2,020 Gals Sod Hypochlorite	627786		1,157.46
	RP5-5,005 Gals Sdm Hypchlrt	624587		2,890.39
	RP4-4,967 Gals Sdm Hypchlrt	624012		2,868.44
	TP1-4,995 Gals Sdm Hypchlrt	628271		2,862.14

Check	Payee / Description		Amount
	TP1-4,995 Gals Sdm Hypchlrt	628444	2,862.14
	RP4-4,997 Gals Sdm Hypchlrt	628284	2,857.55
	RP4-4,929 Gals Sdm Hypchlrt	625221	2,846.50
	CCWRP-5,011 Gals Sdm Hypchlrt	625214	2,893.85
	CCWRP-2,961 Gals Sdm Hypchlrt	625654	1,709.98
	RP4-4,862 Gals Sdm Hypchlrt	625687	2,807.81
	CCWRP-5,009 Gals Sdm Hypchlrt	628247	2,870.16
	TP1-5,007 Gals Sdm Hypchlrt	628270	2,869.01
	RP-4 4,999 Gals Sodium Hypochlorite	627952	2,864.43
	RP5 5,039 Gals Sodium Hypochlorite	627941	2,887.35
	TP1-5,017 Gals Sdm Hypchlrt	628077	2,874.74
	TP1-5,013 Gals Sdm Hypchlrt	628078	2,872.45
	CCWRF 3,025 Gals Sodium Hypochlorite	627784	1,733.33
	TP-1 5,013 Gals Sod Hypochlorite	627767	2,872.45
	JCI JONES CHEMICALS INC	\$	47,600.18
ACH	UNIVAR USA INC		
	RP1-13,464 Lbs Sodium Bisulfite	LA029842	3,327.29
	CCWRP-13,348 Lbs Sodium Bisulfite	LA036453	3,298.56
	RP5-5,227 Lbs Sodium Bisulfite	LA027401	1,291.77
	CCWRP-8,004 Lbs Sodium Bisulfite	LA027594	1,978.10
	PradoLS-13,232 Lbs Sodium Bisulfite	LA028968	3,269.87
	RP5-13,195 Lbs Sodium Bisulfite	LA028477	3,260.73
	UNIVAR USA INC	\$	16,426.32
ACH	PACIFIC PARTS & CONTROLS		
	Inverter Assemblies	352516	4,519.80
	PACIFIC PARTS & CONTROLS	\$	4,519.80
ACH	MARK IV COMMUNICATIONS INC		
	RP1Mnt Conf Room Cabling	20080	581.41
	MARK IV COMMUNICATIONS INC	\$	581.41
ACH	ICMA RETIREMENT TRUST 457		
	P/R 18 9/5 Deferred Comp Ded	HR 0019200	12,451.06
	ICMA RETIREMENT TRUST 457	\$	12,451.06
ACH	LINCOLN NATIONAL LIFE INS CO		
	P/R 18 9/5 Deferred Comp Ded	HR 0019200	18,147.43
	LINCOLN NATIONAL LIFE INS CO	\$	18,147.43
ACH	ICMA RETIREMENT TRUST 401		
	P/R 18 9/5 Exec Deferred Comp	HR 0019200	9,264.34
	ICMA RETIREMENT TRUST 401	\$	9,264.34
ACH	CHINO BASIN DESALTER AUTHORITY		
	CDA-1010 Zn Pmp Stn & Ppln-Inv#19-Grnt P 129		513,681.09
	CHINO BASIN DESALTER AUTHORITY	\$	513,681.09
ACH	SHELL ENERGY NORTH AMERICA LP		
	7/14 Gas Commodity-Non Core	2513825	65,589.72

Check	Payee / Description		Amount
	7/14 Gas Cmmnty-Core, 5/14 Adj	1100002880307	1,622.30
	SHELL ENERGY NORTH AMERICA LP \$		67,212.02
ACH	AQUA BEN CORPORATION		
	DAFT-2,300 Lbs Polymer 748E	32466	2,496.42
	DAFT-4,600 Lbs Polymer 748E	32488	4,992.84
	RP1-4,600 Lbs Polymer 750A	32418	5,911.92
	RP1-13,800 Lbs Polymer 750A	32489	17,735.76
	RP1-11,500 Lbs Polymer 750A	32467	14,779.80
	DAFT-6,900 Lbs Polymer 748E	32417	7,489.26
	AQUA BEN CORPORATION	\$	53,406.00
ACH	JCI JONES CHEMICALS INC		
	TP1-4,951 Gals Sdm Hypchlrt	629116	2,836.92
	CCWRP-4,985 Gals Sdm Hypchlrt	628553	2,856.41
	TP1-4,981 Gals Sdm Hypchlrt	628813	2,854.11
	TP1-5,003 Gals Sdm Hypchlrt	628985	2,866.72
	TP1-5,003 Gals Sdm Hypchlrt	628997	2,776.19
	TP1-4,989 Gals Sdm Hypchlrt	629016	2,858.70
	TP1-4,985 Gals Sdm Hypchlrt	629022	2,856.41
	RP4-5,007 Gals Sdm Hypchlrt	629005	2,869.01
	RP4-4,921 Gals Sdm Hypchlrt	629110	2,819.73
	TP1-4,985 Gals Sdm Hypchlrt	628552	2,856.41
	RP-4 4,999 Gals Sodium Hypochlorite	628571	2,864.43
	RP5-4,997 Gals Sdm Hypchlrt	628710	2,863.28
	JCI JONES CHEMICALS INC	\$	34,178.32
ACH	INVENSYS SYSTEMS INC		
	8/14/14-11/13/14 IA/DCS Tech Support Svc 93134906		30,384.70
	INVENSYS SYSTEMS INC	\$	30,384.70
ACH	KAMBRIAN CORPORATION		
	ISS-Annl Wndws 2012 Srvr Lic, Clnt Accss 4339		27,896.50
	KAMBRIAN CORPORATION	\$	27,896.50
ACH	DANRAE, INC		
	EN06025-7/14 Professional Services 127004		2,100.00
	DANRAE, INC	\$	2,100.00
ACH	PACIFIC RELIABILITY & ENERGY S		
	8/4-8/7 Infrared Level I Training 20140424		7,990.00
	PACIFIC RELIABILITY & ENERGY S\$		7,990.00
ACH	SHELL ENERGY NORTH AMERICA LP		
	RP4/TP4/RCA-4/1-4/30 Adj 12811 6th St 2043 7/14		753.73
	RP1-7/1-7/31 2450 Phila St 4/1-4/30 Adj 2042 7/14		77,059.57
	RP2/RP5-7/1-7/31 16400 El Prado 4/1-4/30 2044 7/14		471.17
	CCWRP/TP/RWPS-7/1-7/31 14950 Tlphn 4/1-4 2046 7/14		58,165.26
	SHELL ENERGY NORTH AMERICA LP \$		136,449.73
ACH	ICMA RETIREMENT TRUST 457		

Check	Payee / Description	Amount
	P/R 19 9/19 Deferred Comp Ded HR 0019700	12,272.56
	ICMA RETIREMENT TRUST 457 \$	12,272.56
ACH	LINCOLN NATIONAL LIFE INS CO P/R 19 9/19 Deferred Comp Ded HR 0019700	18,245.52
	LINCOLN NATIONAL LIFE INS CO \$	18,245.52
ACH	ICMA RETIREMENT TRUST 401 P/R 19 9/19 Deferred Comp Ded HR 0019700	9,628.42
	ICMA RETIREMENT TRUST 401 \$	9,628.42
ACH	HASCO OIL COMPANY, INC. RP1-Mobil SHC 626 0186494-IN 375.80 RCA-Mobilgrease XHP 322 Mine 0186449-IN 1,811.54	2,187.34
	HASCO OIL COMPANY, INC. \$	2,187.34
ACH	JCI JONES CHEMICALS INC RP5-4,989 Gals Sdm Hypchlrt 625337 2,881.15 CCWRP-5,023 Gals Sdm Hypchlrt 629264 2,878.18 CCWRP-4,841 Gals Sdm Hypchlrt 629684 2,773.89 TP1-5,005 Gals Sdm Hypchlrt 629255 2,867.87 RP4-4,895 Gals Sdm Hypchlrt 629695 2,804.84	14,205.93
	JCI JONES CHEMICALS INC \$	14,205.93
ACH	LASER LINE ISS-Black Toner 27341 104.15 HQ-Svc Richoh AFICIO SP E410DN 27366 139.95	244.10
	LASER LINE \$	244.10
ACH	WESTERN MUNICIPAL WATER DISTRI WR14001-7/1/14-7/31/14 3,115 Sprinkler N IEUA 00027	10,123.75
	WESTERN MUNICIPAL WATER DISTRI\$	10,123.75
ACH	GK & ASSOCIATES INC 46-1141-7/14 Prof Svcs-EN14040,WR11017,R 14-088 18,648.00 46-1141-7/14 Prof Svcs-EN14052,EN15026,E 14-089 13,728.00 46-1141-7/14 Prof Svcs-EN09021,RA11004,E 14-085 10,416.00	42,792.00
	GK & ASSOCIATES INC \$	42,792.00
ACH	KAMBRIAN CORPORATION ISS-SQSLVRStdCore Eng Lics OLP Gov CoreL 4278 14,487.36 ISS-Windows 2012 Rmote Desktop Svcs Lic 4539 3,262.40	17,749.76
	KAMBRIAN CORPORATION \$	17,749.76
ACH	SOLAR STAR CALIFORNIA V LLC 7/14 Solar Energy IEUA0069	73,234.31
	SOLAR STAR CALIFORNIA V LLC \$	73,234.31
ACH	IEUA GENERAL EMPLOYEES ASSOCIA	

Check	Payee / Description		Amount
	P/R 18 9/5 Employee Ded Corr	090514	137.83-
	P/R 18 9/5 Employee Ded	HR 0019200	1,026.93
	P/R 19 9/19 Employee Ded	HR 0019700	889.10
			- - - - -
	IEUA GENERAL EMPLOYEES ASSOCIAS		1,778.20
ACH	IEUA PROFESSIONAL EMPLOYEES AS		
	P/R 18 9/5	090514	80.00-
	P/R 19 9/19 Employee Ded	HR 0019700	360.00
	P/R 18 9/5 Employee Ded	HR 0019200	440.00
			- - - - -
	IEUA PROFESSIONAL EMPLOYEES AS\$		720.00
ACH	ESTRADA, JIMMIE J		
	Reim Monthly Health Prem	HEALTH PREM	470.94
			- - - - -
	ESTRADA, JIMMIE J	\$	470.94
ACH	LICHTI, ALICE		
	Reim Monthly Health Prem	HEALTH PREM	175.97
			- - - - -
	LICHTI, ALICE	\$	175.97
ACH	MORASSE, EDNA		
	Reim Monthly Health Prem	HEALTH PREM	175.97
			- - - - -
	MORASSE, EDNA	\$	175.97
ACH	NOWAK, THEO T		
	Reim Monthly Health Prem	HEALTH PREM	470.94
			- - - - -
	NOWAK, THEO T	\$	470.94
ACH	SONNENBURG, ILSE		
	Reim Monthly Health Prem	HEALTH PREM	175.97
			- - - - -
	SONNENBURG, ILSE	\$	175.97
ACH	DYKSTRA, BETTY		
	Reim Monthly Health Prem	HEALTH PREM	175.97
			- - - - -
	DYKSTRA, BETTY	\$	175.97
ACH	TORRES, ROBERT G		
	Reim Monthly Health Prem	HEALTH PREM	470.94
			- - - - -
	TORRES, ROBERT G	\$	470.94
ACH	MUELLER, CAROLYN		
	Reim Monthly Health Prem	HEALTH PREM	175.97
			- - - - -
	MUELLER, CAROLYN	\$	175.97
ACH	GRIFFIN, GEORGE		
	Reim Monthly Health Prem	HEALTH PREM	175.97
			- - - - -
	GRIFFIN, GEORGE	\$	175.97
ACH	CANADA, ANGELA		

Check	Payee / Description	Amount
	Reim Monthly Health Prem	HEALTH PREM 175.97
	CANADA, ANGELA	\$ 175.97
ACH	CUPERSMITH, LEIZAR Reim Monthly Health Prem	HEALTH PREM 175.97
	CUPERSMITH, LEIZAR	\$ 175.97
ACH	DELGADO-ORAMAS JR, JOSE Reim Monthly Health Prem	HEALTH PREM 294.97
	DELGADO-ORAMAS JR, JOSE	\$ 294.97
ACH	GRANGER, BRANDON Reim Monthly Health Prem	HEALTH PREM 194.33
	GRANGER, BRANDON	\$ 194.33
ACH	GADDY, CHARLES L Reim Monthly Health Prem	HEALTH PREM 194.33
	GADDY, CHARLES L	\$ 194.33
ACH	BAKER, CHRIS Reim Monthly Health Prem	HEALTH PREM 75.33
	BAKER, CHRIS	\$ 75.33
ACH	WEBB, DANNY C Reim Monthly Health Prem	HEALTH PREM 119.00
	WEBB, DANNY C	\$ 119.00
ACH	HUMPHREYS, DEBORAH E Reim Monthly Health Prem	HEALTH PREM 270.90
	HUMPHREYS, DEBORAH E	\$ 270.90
ACH	MOUAT, FREDERICK W Reim Monthly Health Prem	HEALTH PREM 147.49
	MOUAT, FREDERICK W	\$ 147.49
ACH	MORGAN, GARTH W Reim Monthly Health Prem	HEALTH PREM 119.00
	MORGAN, GARTH W	\$ 119.00
ACH	ALLINGHAM, JACK Reim Monthly Health Prem	HEALTH PREM 28.49
	ALLINGHAM, JACK	\$ 28.49
ACH	MAZUR, JOHN Reim Monthly Health Prem	HEALTH PREM 448.88
	MAZUR, JOHN	\$ 448.88

Check	Payee / Description	Amount
ACH	RUDDER, LARRY Reim Monthly Health Prem	HEALTH PREM 28.49
	RUDDER, LARRY	\$ 28.49
ACH	INTERLICCHIA, RANDY Reim Monthly Health Prem	HEALTH PREM 119.00
	INTERLICCHIA, RANDY	\$ 119.00
ACH	HAMILTON, MARIA Reim Monthly Health Prem	HEALTH PREM 119.00
	HAMILTON, MARIA	\$ 119.00
ACH	PICENO, TONY Reim Monthly Health Prem	HEALTH PREM 175.97
	PICENO, TONY	\$ 175.97
ACH	RAMOS, CAROL Reim Monthly Health Prem	HEALTH PREM 28.49
	RAMOS, CAROL	\$ 28.49
ACH	FISHER, JAY Reim Monthly Health Prem	HEALTH PREM 119.00
	FISHER, JAY	\$ 119.00
ACH	KING, PATRICK Reim Monthly Health Prem	HEALTH PREM 28.49
	KING, PATRICK	\$ 28.49
ACH	ADAMS, RICHARD Reim Monthly Health Prem	HEALTH PREM 652.93
	ADAMS, RICHARD	\$ 652.93
ACH	DIETZ, JUDY Reim Monthly Health Prem	HEALTH PREM 119.00
	DIETZ, JUDY	\$ 119.00
ACH	DAVIS, GEORGE Reim Monthly Health Prem	HEALTH PREM 75.33
	DAVIS, GEORGE	\$ 75.33
ACH	MONZAVI, TAGHI Reim Monthly Health Prem	HEALTH PREM 28.49
	MONZAVI, TAGHI	\$ 28.49
ACH	PETERSEN, KENNETH Reim Monthly Health Prem	HEALTH PREM 175.97
	PETERSEN, KENNETH	\$ 175.97

Check	Payee / Description	Amount
ACH	TRAUTERMAN, HELEN Reim Monthly Health Prem	HEALTH PREM 175.97
	TRAUTERMAN, HELEN	\$ 175.97
ACH	TIEGS, KATHLEEN Reim Monthly Health Prem	HEALTH PREM 1,083.58
	TIEGS, KATHLEEN	\$ 1,083.58
ACH	DIGGS, GEORGE Reim Monthly Health Prem	HEALTH PREM 778.76
	DIGGS, GEORGE	\$ 778.76
ACH	HAYES, KENNETH Reim Monthly Health Prem	HEALTH PREM 832.61
	HAYES, KENNETH	\$ 832.61
ACH	HUNTON, STEVE Reim Monthly Health Prem	HEALTH PREM 194.33
	HUNTON, STEVE	\$ 194.33
ACH	RODRIGUEZ, LOUIS Reim Monthly Health Prem	HEALTH PREM 147.49
	RODRIGUEZ, LOUIS	\$ 147.49
ACH	VARBEL, VAN Reim Monthly Health Prem	HEALTH PREM 541.79
	VARBEL, VAN	\$ 541.79
ACH	CLIFTON, NEIL Reim Monthly Health Prem	HEALTH PREM 422.79
	CLIFTON, NEIL	\$ 422.79
ACH	DELGADO, FRANCOIS Reim Monthly Health Prem	HEALTH PREM 119.00
	DELGADO, FRANCOIS	\$ 119.00
ACH	WELLMAN, JOHN THOMAS Reim Monthly Health Prem	HEALTH PREM 541.79
	WELLMAN, JOHN THOMAS	\$ 541.79
ACH	SPEARS, SUSAN Reim Monthly Health Prem	HEALTH PREM 28.49
	SPEARS, SUSAN	\$ 28.49
ACH	TROXEL, WYATT Reim Monthly Health Prem	HEALTH PREM 294.97

Check	Payee / Description	Amount
	TROXEL, WYATT	\$ 294.97
ACH	CORLEY, WILLIAM Reim Monthly Health Prem	HEALTH PREM 448.88
	CORLEY, WILLIAM	\$ 448.88
ACH	CALLAHAN, CHARLES Reim Monthly Health Prem	HEALTH PREM 339.60
	CALLAHAN, CHARLES	\$ 339.60
ACH	LESNIAKOWSKI, NORBERT Reim Monthly Health Prem	HEALTH PREM 269.65
	LESNIAKOWSKI, NORBERT	\$ 269.65
ACH	VERSTEEG, ALLEN Reim Monthly Health Prem	HEALTH PREM 301.40
	VERSTEEG, ALLEN	\$ 301.40
ACH	HACKNEY, GARY Reim Monthly Health Prem	HEALTH PREM 418.38
	HACKNEY, GARY	\$ 418.38
ACH	CAREL, LARRY Reim Monthly Health Prem	HEALTH PREM 75.33
	CAREL, LARRY	\$ 75.33
ACH	TOL, HAROLD Reim Monthly Health Prem	HEALTH PREM 329.88
	TOL, HAROLD	\$ 329.88
ACH	BANKSTON, GARY Reim Monthly Health Prem	HEALTH PREM 483.79
	BANKSTON, GARY	\$ 483.79
ACH	ATWATER, RICHARD Reim Monthly Health Prem	HEALTH PREM 119.00
	ATWATER, RICHARD	\$ 119.00
ACH	FIESTA, PATRICIA Reim Monthly Health Prem	HEALTH PREM 448.88
	FIESTA, PATRICIA	\$ 448.88
ACH	DIGGS, JANET Reim Monthly Health Prem	HEALTH PREM 897.76
	DIGGS, JANET	\$ 897.76
ACH	CARAZA, TERESA Reim Monthly Health Prem	HEALTH PREM 151.90

Check	Payee / Description	Amount
	CARAZA, TERESA	\$ 151.90
ACH	ANDERSON, JOHN Reim Monthly Health Prem	HEALTH PREM 470.94
	ANDERSON, JOHN	\$ 470.94
ACH	DECOITE, DENNIS Reim Monthly Health Prem	HEALTH PREM 119.00
	DECOITE, DENNIS	\$ 119.00
ACH	SANTA CRUZ, JACQUELYN Reim Monthly Health Prem	HEALTH PREM 783.63
	SANTA CRUZ, JACQUELYN	\$ 783.63
ACH	HECK, ROSELYN Reim Monthly Health Prem	HEALTH PREM 28.49
	HECK, ROSELYN	\$ 28.49
ACH	SOPICKI, LEO Reim Monthly Health Prem	HEALTH PREM 294.97
	SOPICKI, LEO	\$ 294.97
ACH	HERNANDEZ, BENJAMIN Reim Monthly Health Prem	HEALTH PREM 422.79
	HERNANDEZ, BENJAMIN	\$ 422.79
ACH	GOSE, ROSEMARY Reim Monthly Health Prem	HEALTH PREM 119.00
	GOSE, ROSEMARY	\$ 119.00
ACH	KEHL, BARRETT Reim Monthly Health Prem	HEALTH PREM 119.00
	KEHL, BARRETT	\$ 119.00
ACH	RITCHIE, JANN Reim Monthly Health Prem	HEALTH PREM 119.00
	RITCHIE, JANN	\$ 119.00
ACH	LONG, ROCKWELL DEE Reim Monthly Health Prem	HEALTH PREM 422.79
	LONG, ROCKWELL DEE	\$ 422.79
ACH	FATTAHI, MIR Reim Monthly Health Prem	HEALTH PREM 119.00
	FATTAHI, MIR	\$ 119.00
ACH	WARMAN, RALPH	

Check	Payee / Description	Amount
	Reim Monthly Health Prem	HEALTH PREM 175.97
	WARMAN, RALPH	\$ 175.97
ACH	ROGERS, SHIRLEY Reim Monthly Health Prem	HEALTH PREM 175.97
	ROGERS, SHIRLEY	\$ 175.97
ACH	WALL, DAVID Reim Monthly Health Prem	HEALTH PREM 270.90
	WALL, DAVID	\$ 270.90
ACH	CHUNG, MICHAEL Reim Monthly Health Prem	HEALTH PREM 270.90
	CHUNG, MICHAEL	\$ 270.90
ACH	ADAMS, PAMELA Reim Monthly Health Prem	HEALTH PREM 175.97
	ADAMS, PAMELA	\$ 175.97
ACH	BLASINGAME, MARY Reim Monthly Health Prem	HEALTH PREM 1,289.65
	BLASINGAME, MARY	\$ 1,289.65
ACH	ANDERSON, KENNETH Reim Monthly Health Prem	HEALTH PREM 28.49
	ANDERSON, KENNETH	\$ 28.49
ACH	MOE, JAMES Reim Monthly Health Prem	HEALTH PREM 151.90
	MOE, JAMES	\$ 151.90
ACH	POLACEK, KEVIN Reim Monthly Health Prem	HEALTH PREM 704.33
	POLACEK, KEVIN	\$ 704.33
ACH	ELROD, SONDRAL Reim Monthly Health Prem	HEALTH PREM 270.90
	ELROD, SONDRAL	\$ 270.90
ACH	FRAZIER, JACK Reim Monthly Health Prem	HEALTH PREM 422.79
	FRAZIER, JACK	\$ 422.79
ACH	HOAK, JAMES Reim Monthly Health Prem	HEALTH PREM 119.00
	HOAK, JAMES	\$ 119.00

Check	Payee / Description		Amount
ACH	DEZHAM, PARIVASH Reim Monthly Health Prem	HEALTH PREM	182.40
	DEZHAM, PARIVASH	\$	182.40
ACH	FOLEY III, DANIEL J. Reim Monthly Health Prem	HEALTH PREM	151.90
	FOLEY III, DANIEL J.	\$	151.90
ACH	CLEVELAND, JAMES Reim Monthly Health Prem	HEALTH PREM	119.00
	CLEVELAND, JAMES	\$	119.00
ACH	LANGNER, CAMERON Reim Monthly Health Prem	HEALTH PREM	846.54
	LANGNER, CAMERON	\$	846.54
ACH	HAMILTON, LEANNE Reim Monthly Health Prem	HEALTH PREM	151.90
	HAMILTON, LEANNE	\$	151.90
ACH	HOOSHMAND, RAY Reim Monthly Health Prem	HEALTH PREM	119.00
	HOOSHMAND, RAY	\$	119.00
ACH	SCHLAPKOHL, JACK Reim Monthly Health Prem	HEALTH PREM	119.00
	SCHLAPKOHL, JACK	\$	119.00
ACH	POOLE, PHILLIP Reim Monthly Health Prem	HEALTH PREM	483.79
	POOLE, PHILLIP	\$	483.79
ACH	AQUA BEN CORPORATION RP2-18,400 Lbs Polymer 748E	32539	19,971.36
	RP1-11,500 Lbs Polymer 750A	32509	14,779.80
	DAFT-2,300 Lbs Polymer 748E	32508	2,496.42
	AQUA BEN CORPORATION	\$	37,247.58
ACH	HASCO OIL COMPANY, INC. RCA-Mobilgrease XHP 322 Mine	0186498-IN	873.37
	HASCO OIL COMPANY, INC.	\$	873.37
ACH	JCI JONES CHEMICALS INC RP5-5,013 Gals Sdm Hypchlrt	629838	2,872.45
	TP1-5,037 Gals Sdm Hypchlrt	630964	2,886.20
	CCWRP-3,025 Gals Sdm Hypchlrt	630410	1,733.33
	RP4-4,598 Gals Sdm Hypchlrt	630431	2,634.65
	TP1-5,019 Gals Sdm Hypchlrt	630432	2,875.89
	TP1-5,025 Gals Sdm Hypchlrt	630409	2,879.33

Check	Payee / Description		Amount
	TP1-5,141 Gals Sdm Hypchlrt	630408	2,945.79
	TP1-5,061 Gals Sdm Hypchlrt	630210	2,899.95
	RP4-5,037 Gals Sdm Hypchlrt	929949	2,886.20
	TP1-5,027 Gals Sdm Hypchlrt	629960	2,880.47
	CCWRP-4,634 Gals Sdm Hypchlrt	629961	2,655.28
	RP5-5,001 Gals Sdm Hypchlrt	630076	2,865.57
	TP1-4,897 Gals Sdm Hypchlrt	629528	2,805.98
	TP1-5,015 Gals Sdm Hypchlrt	629685	2,873.60
	TP1-4,967 Gals Sdm Hypchlrt	629686	2,846.09
	TP1-5,033 Gals Sdm Hypchlrt	629835	2,883.91
	RP5-5,007 Gals Sdm Hypchlrt	629390	2,869.01
	JCI JONES CHEMICALS INC	\$	47,293.70
ACH	LASER LINE		
	Ricoh Photo Conductors,Black Toner	27377	749.90
	ISS-Svc HP Color LJ 3800,Fuser	27420	462.78
	ISS-Svc Richoh SP 410DN,Photo Conductors	27417	1,568.67
	LASER LINE	\$	2,781.35
ACH	AGRICULTURAL RESOURCES		
	10/14 Wtr Quality Consult	10/14 WTR QLT	6,000.00
	AGRICULTURAL RESOURCES	\$	6,000.00
ACH	PEST OPTIONS INC		
	July 2014 Weed Abatement Service	231857	2,130.00
	July 2014 930 Pump Station Weed Control	232881	9.00
	July 2014 Jenon Energy Site Weed Control	232795	33.33
	7/14 RP1/RP4/RP5 BioFilters Weed Removal	231974	131.00
	PEST OPTIONS INC	\$	2,303.33
ACH	DANRAE, INC		
	EN09021-8/2014 Professional Services	129086	2,870.00
	EN14027-8/2014 Professional Services	129085	743.75
	EN13023-8/2014 Professional Services	129087	831.25
	DANRAE, INC	\$	4,445.00
ACH	SHELL ENERGY NORTH AMERICA LP		
	8/14 Gas Commodity-Non Core	2526251	55,809.82
	8/14 Gas Cmmdty-Core,6/14 Adj	1100002880308	690.44
	SHELL ENERGY NORTH AMERICA LP	\$	56,500.26
Wire	STATE BOARD OF EQUALIZATION		
	8/14 Sales Tax Deposit	23784561 8/14	12,151.00
	STATE BOARD OF EQUALIZATION	\$	12,151.00
Wire	PUBLIC EMPLOYEES RETIREMENT SY		
	P/R 19 9/19 Deferred Comp Ded	HR 0019700	11,379.08
	PUBLIC EMPLOYEES RETIREMENT SY	\$	11,379.08
Wire	PUBLIC EMPLOYEES RETIREMENT SY		
	P/R 18 9/5 Deferred Comp Ded	HR 0019200	11,103.55

Check	Payee / Description	Amount
	PUBLIC EMPLOYEES RETIREMENT SY\$	11,103.55
Wire	STATE DISBURSEMENT UNIT	
	P/R 19 9/19 HR 0019700	1,026.91
	P/R 19 9/19 HR 0019700	253.84
	STATE DISBURSEMENT UNIT \$	1,280.75
Wire	PUBLIC EMPLOYEES RETIREMENT SY	
	P/R 18 9/5 PERS HR 0019200	212,126.70
	PUBLIC EMPLOYEES RETIREMENT SY\$	212,126.70
Wire	TASC	
	P/R 18 9/5 Cafeteria Plan P/R 18 9/5	2,737.45
	TASC \$	2,737.45
Wire	TASC	
	P/R 19 9/19 Cafeteria Plan P/R 19 9/19	2,817.45
	TASC \$	2,817.45
Wire	PUBLIC EMPLOYEES RETIREMENT SY	
	P/R 119 9/19 PERS HR 0019500	768.09
	P/R 19 9/19 PERS HR 0019700	214,272.40
	PUBLIC EMPLOYEES RETIREMENT SY\$	215,040.49
Wire	STATE DISBURSEMENT UNIT	
	P/R 18 9/5 HR 0019200	253.84
	P/R 18 9/5 HR 0019200	1,026.91
	STATE DISBURSEMENT UNIT \$	1,280.75
Wire	PUBLIC EMPLOYEES' RETIREMENT S	
	9/14 Health Ins-Retirees, Board, Employees 1502 9/14	214,073.44
	PUBLIC EMPLOYEES' RETIREMENT S\$	214,073.44
Wire	METROPOLITAN WATER DISTRICT	
	July 2014 Water Purchase 8082	3,973,133.43
	METROPOLITAN WATER DISTRICT \$	3,973,133.43

Grand Total Payment Amount: \$ 7,834,476.95

INLAND EMPIRE UTILITIES AGENCY

PAYROLL FOR SEPTEMBER 5, 2014

PRESENTED AT BOARD MEETING ON NOVEMBER 19, 2014

GROSS PAYROLL COSTS			\$1,038,071.68
DEDUCTIONS			(\$436,456.96)
NET PAYROLL			\$601,614.72 <u> </u>
NET PAYROLL BREAKDOWN	CHECKS	EFT	TOTAL
CHECKS USED	105216 - 105216		
TRANSACTION PROCESSED	1	321	322
AMOUNT	\$4,195.98	\$597,418.74	\$601,614.72 <u> </u>

INLAND EMPIRE UTILITIES AGENCY

PAYROLL FOR SEPTEMBER 19, 2014

PRESENTED AT BOARD MEETING ON NOVEMBER 19, 2014

GROSS PAYROLL COSTS			\$1,034,026.36
DEDUCTIONS			(\$438,371.14)
NET PAYROLL			<u>\$595,655.22</u>
NET PAYROLL BREAKDOWN	CHECKS	EFT	TOTAL
CHECKS USED	105217 - 105217		
TRANSACTION PROCESSED	1	321	322
AMOUNT	\$734.09	\$594,921.13	<u>\$595,655.22</u>

INLAND EMPIRE UTILITIES AGENCY

RATIFICATION OF BOARD OF DIRECTORS

PAYROLL FOR SEPTEMBER 5, 2014
PRESENTED AT BOARD MEETING ON NOVEMBER 19, 2014

DIRECTOR NAME	GROSS PAYROLL	NET PAYROLL
MICHAEL CAMACHO	\$3,649.97	\$1,164.09
TERRY L. CATLIN	\$2,740.25	\$689.05
STEVEN J. ELIE	\$3,640.25	\$1,006.75
JASMIN HALL	\$1,800.00	\$1,488.22
GENE T. KOOPMAN	\$1,542.16	\$207.00
TOTALS	\$13,372.63	\$4,555.11

TOTAL EFTS PROCESSED	0
BEGINNING CHECK NO.	105211
ENDING CHECK NO.	105215
TOTAL CHECKS PROCESSED	5

IEUA DIRECTOR PAYSHEET

MICHAEL CAMACHO
 EMPLOYEE NO. 1140
 ACCOUNT NO. 10200 110100 100000 501010


AUGUST 2014

DATE	TYPE OF MEETING	ATTENDANCE	TOTAL COMPENSATION
08-06-14	IEUA Board Meeting	Yes	\$225.00
08-13-14	Public, Legislative Affairs, & Water Resources Committee	Yes	\$225.00
08-13-14	Engineering, Operations & Biosolids Mgmt. Committee Meeting	Yes (same day)	\$-0-
08-20-14	IEUA Board Meeting	Yes	\$225.00
08-21-14	I-15 Base Line Road Interchange Improvement Project Groundbreaking	Yes	\$225.00
08-22-14	San Bernardino Water Conference	Yes	\$225.00
08-27-14	Special Engineering, Operations & Biosolids Management Committee meeting	Yes	\$225.00
TOTAL REIMBURSEMENT (Up to 10 days of service per month per Ordinance No. 83, including MWD meetings)			\$1,350.00 ✓
Total No. of Meetings Attended			7
Total No. of Meetings Paid			6 ✓

DIRECTOR
SIGNATURE



Approved by:


 Terry Catlin, President, Board of Directors

**DIRECTOR PAYSHEET FOR IEUA REPRESENTATIVE
ON MWD BOARD**


MICHAEL CAMACHO
EMPLOYEE NO. 1140
ACCOUNT NO. 10200 110100 100000 501010


AUGUST 2014

DATE	TYPE OF MEETING	ATTENDANCE	TOTAL COMPENSATION
08-12-14	MWD Org, Personnel & Technology Update Telecon Mtg	Yes	\$225.00
08-18-14	MWD Standing Committee Meetings	Yes	\$225.00
08-19-14	MWD Standing Committee Meetings and Board Meeting	Yes	\$225.00

TOTAL REIMBURSEMENT (Up to 10 days of service per month per Ordinance No. 83)	\$675.00 ✓
Total No. of Meetings Attended	3
Total No. of Meetings Paid	3 ✓

DIRECTOR
SIGNATURE





Approved by:

Terry Catlin
President, Board of Directors

DIRECTOR PAYSHEET FOR IEUA REPRESENTATIVE
ON REGIONAL POLICY COMMITTEE (ALTERNATE)

MICHAEL CAMACHO
EMPLOYEE NO. 1140
ACCOUNT NO. 10200 110100 100000 501010

AUGUST 2014


DATE	TYPE OF MEETING	ATTENDANCE	TOTAL COMPENSATION
08-07-14	Policy Committee Meeting	No (Cancelled)	\$-0-

TOTAL REIMBURSEMENT Up to 10 days of service per month per Ordinance No. 73, Section 1 (d) (i.e., \$125.00 – difference between Regional Policy Committee (\$100.00 and Agency meetings \$225.00) including Agency meetings	\$-0-
Total No. of Meetings Attended	0
Total No. of Meetings Paid	0

DIRECTOR
SIGNATURE



Approved by:



Terry Catlin
President, Board of Directors

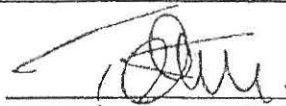
IEUA DIRECTOR PAYSHEET

TERRY CATLIN
 EMPLOYEE NO. 615
 ACCOUNT NO. 10200 110100 100000 501010

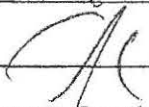
AUGUST 2014

DATE	TYPE OF MEETING	ATTENDANCE	TOTAL COMPENSATION
08-06-14	Board Workshop	Yes	\$225.00
08-13-14	Engineering, Operations & Biosolids Management Committee Meeting	No	\$-0-
08-20-14	IEUA Board Meeting	No	\$-0-
08-27-14	Special Engineering, Operations & Biosolids Management Committee meeting	Yes	\$225.00
TOTAL REIMBURSEMENT (Up to 10 days of service per month per Ordinance No. 83)			\$450.00
Total No. of Meetings Attended			2
Total No. of Meetings Paid			2

**DIRECTOR
SIGNATUR**



Approved by:


 Steven J. Elie
 Secretary/Treasurer, Board of Directors

DIRECTOR PAYSHEET FOR IEUA REPRESENTATIVE
ON SAWPA COMMISSION

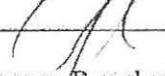
TERRY CATLIN
EMPLOYEE NO. 615
ACCOUNT NO. 10200 110100 100000 501010

AUGUST 2014

DATE	TYPE OF MEETING	ATTENDANCE	TOTAL COMPENSATION
08-05-14	Special SAWPA Commission Workshop (telephonically)	Yes	\$225.00
08-19-14	SAWPA Commission Meeting	No	\$-0-

TOTAL REIMBURSEMENT Up to 10 days of service per month per Ordinance No. 83, Section 1 (d) including Agency meetings*	\$225.00 [✓]
Total No. of SAWPA Meetings Attended	1
Total No. of SAWPA Meetings Paid	1 [✓]

DIRECTOR SIGNATURE 

Approved by: 
Steven J. Elie
Secretary/Treasurer, Board of Directors

*SAWPA will pay \$179.43 (2014) per meeting directly to the Agency.

**DIRECTOR PAYSHEET FOR IEUA REPRESENTATIVE
ON CHINO DESALTER AUTHORITY**

TERRY CATLIN
EMPLOYEE NO. 615
ACCOUNT NO. 10200 110100 100000 501010

AUGUST 2014

DATE	TYPE OF MEETING	ATTENDANCE	TOTAL COMPENSATION
08-07-14	CDA Board Meeting	Yes	\$225.00
TOTAL REIMBURSEMENT			\$225.00 ✓
Up to 10 days of service per month per Ordinance No. 83, Section 1 (d) (i.e., \$75.00 – difference between CDA (\$150.00 And Agency meetings \$225.00) including Agency meetings			
Total No. of CDA Meetings Attended			1
Total No. of CDA Meetings Paid			1 ✓ \$225.00

DIRECTOR SIGNATURE _____ 

Approved by: _____
Steven J. Elie
Secretary/Treasurer, Board of Directors

*Chino Desalter Authority will pay \$150.00 per meeting directly to the Agency.

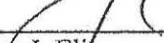
DIRECTOR PAYSHEET FOR IEUA REPRESENTATIVE
ON WATERMASTER BOARD (ALTERNATE)

TERRY CATLIN
EMPLOYEE NO. 615
ACCOUNT NO. 10200 110100 100000 501010

AUGUST 2014

DATE	TYPE OF MEETING	ATTENDANCE	TOTAL COMPENSATION
08-21-14	CBWM Advisory Committee Meeting	No	\$-0-
08-28-14	CBWM Board Meeting	Yes (declined pymt.)	\$-0-
TOTAL REIMBURSEMENT			\$-0-
Up to 10 days of service per month per Ordinance No. 83, Section 1 (d) (i.e., \$100.00 – difference between Watermaster \$125.00 and District meetings \$225.00), including District meetings			
Total No. of Watermaster Meetings Attended			1
Total No. of Watermaster Meetings Paid			0

DIRECTOR SIGNATURE 

Approved by: 
Steven J. Elje
Secretary/Treasurer, Board of Directors

DIRECTOR PAYSHEET FOR IEUA REPRESENTATIVE
ON REGIONAL POLICY COMMITTEE


TERRY CATLIN
EMPLOYEE NO. 615
ACCOUNT NO. 10200 110100 100000 501010

AUGUST 2014


DATE	TYPE OF MEETING	ATTENDANCE	TOTAL COMPENSATION
08-07-14	Policy Committee Meeting	Yes Yes (Cancelled)	\$-0-

TOTAL REIMBURSEMENT Up to 10 days of service per month per Ordinance No. 73, Section 1 (d) (i.e., \$125.00 – difference between Regional Policy Committee (\$100.00 and Agency meetings \$225.00) including Agency meetings	\$-0-
Total No. of Meetings Attended	0
Total No. of Meetings Paid	\$-0-

DIRECTOR
SIGNATURE



Approved by:



Steven J. Elie
Secretary/Treasurer, Board of Directors

IEUA DIRECTOR PAYSHEET

STEVEN J. ELIE
 EMPLOYEE NO. 1175
 ACCOUNT NO. 10200 110100 100000 501010

AUGUST 2014

08-04-14	Meeting w/G Newmark to discuss Ontario Plume	Yes	\$225.00
08-05-14	Meeting with Councilmember Eunice Ulloa to discuss Agency business	Yes	\$225.00
08-06-14	IEUA Board Workshop	Yes	\$225.00
08-13-14	Public, Legislative Affairs and Water Resources Committee	Yes	\$225.00
08-13-14	Finance, Legal, & Administration Committee	Yes	\$-0-
08-15-14	Conference call meetings with General Counsel JC re: Litigation/Mediation	Yes	\$225.00
08-18-14	Meeting w/M Kinsey, MVWD to discuss Agency business	Yes	\$225.00
08-19-14	Meeting w/Kurt Berchtold, Exec. Officer of Reg. Board to discuss Agency business	Yes	\$225.00
08-20-14	IEUA Board Meeting	Yes	\$225.00
TOTAL REIMBURSEMENT (Up to 10 days of service per month per Ordinance No. 83)			\$1,800.00
Total No. of Meetings Attended			9
Total No. of Meetings Paid			8

DIRECTOR
SIGNATURE

Approved By:



 Terry Catlin
 President, Board of Directors


DIRECTOR PAYSHEET FOR IEUA
ON WATERMASTER BOARD


STEVEN J. ELIE
EMPLOYEE NO. 1175
ACCOUNT NO. 10200 110100 100000 501010

AUGUST 2014

DATE	TYPE OF MEETING	ATTENDANCE	TOTAL COMPENSATION
08-07-14	Safe Yield Recalculation Meeting	Yes	\$-0-
08-28-14	CBWM Board Meeting	Yes	\$-0-

TOTAL REIMBURSEMENT Up to 10 days of service per month per Ordinance No. 83, Section 1 (d) (i.e., \$100.00 – difference between Watermaster \$125.00 and District meetings \$225.00), including District meetings	\$-0-
Total No. of Watermaster Meetings Attended	2
Total No. of Watermaster Meetings Paid	0

DIRECTOR
SIGNATURE _____ 

Approved by: _____ 
Terry Catlin
President, Board of Directors

***Decline IEUA portion**

IEUA DIRECTOR PAYSHEET

JASMIN A. HALL
 EMPLOYEE NO. 1256
 ACCOUNT NO. 10200 110100 100000 501010

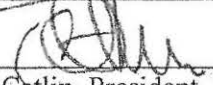
AUGUST 2014

DATE	TYPE OF MEETING	ATTENDANCE	TOTAL COMPENSATION
08-06-14	Board Workshop	Yes	\$225.00
08-06-14	Meeting w/ L. Morgan-Perales to discuss water conservation issues	Yes (staff)	\$-0-
08-12-14	Rialto City Council Meeting	No	\$-0-
08-12-14	Fontana City Council Meeting	No	\$-0-
08-13-14	Engineering, Operations, & Biosolids Mgmt Committee	Yes	\$225.00
08-13-14	Finance, Legal & Administration Committee	Yes (same day)	\$-0-
08-14-14	Meeting w/JC re: Agency business	Yes	\$225.00
08-14-14	Fontana Chamber event	Yes (same day)	\$-0-
08-18-14	Meeting w/ C Hays to discuss Agency business	Yes	\$225.00
08-20-14	IEUA Board Meeting	Yes	\$225.00
08-20-14	CASA Conference	Yes (same day)	\$-0-
08-21-14	CASA Conference	Yes	\$225.00
08-22-14	CASA Conference	Yes	\$225.00
08-26-14	Fontana City Council Meeting	Yes	\$225.00
TOTAL REIMBURSEMENT (Up to 10 days of service per month per Ordinance No. 83)			\$1,800.00
Total No. of Meetings Attended			12
Total No. of Meetings Paid			8

DIRECTOR
SIGNATURE



Approved by:



Terry Catlin, President, Board of Directors


DIRECTOR PAYSHEET FOR IEUA
ON SAWPA COMMISSION (ALTERNATE)

JASMIN A. HALL
EMPLOYEE NO. 1256
ACCOUNT NO. 10200 110100 100000 501010

AUGUST 2014

DATE	TYPE OF MEETING	ATTENDANCE	TOTAL COMPENSATION
08-05-14	Special SAWPA Commission Workshop (telephonically)	Yes (same day)	\$-0-
08-19-14	SAWPA Commission Meeting	Yes (10 mtgs. max)	\$-0-
TOTAL REIMBURSEMENT			\$-0-
Up to 10 days of service per month per Ordinance No. 83,			
Section 1 (d) (i.e., \$45.57 – difference between SAWPA (\$179.43 (2014)			
And Agency meetings \$225.00) including Agency meetings			
Total No. of SAWPA Meetings Attended			2
Total No. of SAWPA Meetings Paid			0

DIRECTOR SIGNATURE 

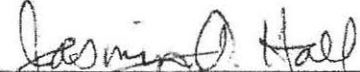
Approved by: 
Terry Catlin
President, Board of Directors


DIRECTOR PAYSHEET FOR IEUA REPRESENTATIVE
ON CHINO DESALTER AUTHORITY

JASMIN A. HALL
EMPLOYEE NO. 1256
ACCOUNT NO. 10200 110100 100000 501010

AUGUST 2014

DATE	TYPE OF MEETING	ATTENDANCE	TOTAL COMPENSATION
08-07-14	CDA Board Meeting	No	\$-0-
TOTAL REIMBURSEMENT			\$-0-
Up to 10 days of service per month per Ordinance No. 83, Section 1 (d) (i.e., \$45.00 – difference between CDA (\$150.00 And Agency meetings \$195.00 excludes alternate) including Agency meetings			
Total No. of CDA Meetings Attended			0
Total No. of CDA Meetings Paid			0

DIRECTOR SIGNATURE 

Approved by: 
Terry Catlin
President, Board of Directors

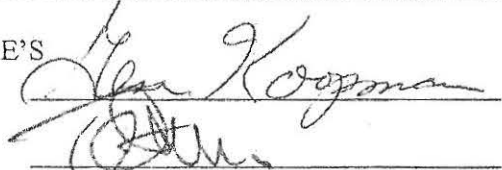
IEUA DIRECTOR PAYSHEET

GENE KOOPMAN
 EMPLOYEE NO. 642
 ACCOUNT NO. 10200 110100 100000 501010


AUGUST 2014

DATE	TYPE OF MEETING	ATTENDANCE	TOTAL COMPENSATION
08-06-14	Board Workshop	No	\$-0-
08-06-14	Finance, Legal & Administration Committee	No	\$-0-
08-20-14	Board Meeting	Yes	\$225.00
TOTAL REIMBURSEMENT (Up to 10 days of service per month per Ordinance No. 83)			\$225.00
Total No. of Meetings Attended			1
Total No. of Meetings Paid			1

REPRESENTATIVE'S
 SIGNATURE



Approved by:


 Terry Catlin
 President, Board of Directors


CONSENT
CALENDAR
ITEM


1C


Date: November 19, 2014

To: The Honorable Board of Directors

Through: Finance, Legal, and Administration Committee (11/12/14)

From:  P. Joseph Grindstaff
General Manager

Submitted by:  Christina Valencia
Chief Financial Officer/Assistant General Manager

 Kanes Pantayatiwong
Manager of Business Information Services

Subject: SAP BusinessObjects Analytics Software Purchase

RECOMMENDATION

It is recommended that the Board of Directors:

1. Approve the sole-source purchase of SAP BusinessObjects analytics tools, including upgrade to server license, additional software licenses and the first year's maintenance for a not to exceed amount of \$81,000; and
2. Authorize the General Manager to execute the software purchasing contract and maintenance support agreement.

BACKGROUND

In 2009, two years after the SAP go-live in 2007, the Agency purchased an enterprise reporting tool called the SAP BusinessObjects Enterprise Professional (BOE Professional). This tool provides the Agency with a centrally managed and secured reporting platform that enables users to access Crystal Reports, containing SAP data and/or non-SAP data, using only the Internet browser. There are over 140 Crystal Reports have been developed and are in use today.

As with all technologies, both the Internet and SAP analytical tools have evolved significantly since 2009. Although users still find current Crystal Reports useful, these reports lack the interactivity and the visual displays that can provide mission-critical insights into data that tabulated information cannot achieve. Furthermore, results of the recent online survey of the

current technology, as part of the Technology Master Plan (TMP) assessment, indicated a strong need for better reporting tools.

As part of usability assessment for analytics tool, BIS developer obtained a trial version of the software and developed a pilot dashboard project for Engineering & Construction Management Department. The approval for the purchase below will help support the reporting needs for this department and others as well.

In reviewing the current product offerings from SAP and the feedback received from product demonstrations with select users, the recommended purchase of the new software is based on the following justifications:

1. Meet user needs –Online survey indicated users need for a more advanced and easy-to-use reporting tools. The proposed reporting tools will address this need and are suitable for users ranging from management, data-intensive analysts, and more casual users.
2. Comply with license agreement – The existing BOE Professional license is limited to just a single tool. Upgrade to BOE Premium is necessary to provide varying reporting tools to users.
3. Leverage knowledge and expertise – Since BIS staff is already proficient with SAP BusinessObjects product the learning curve is low.
4. Meet future needs – Upgrade provides access from mobile devices such as smart phones and tablets. This capability is in alignment with the Agency’s plan toward mobility.

Since the proposed product purchase can only be made with SAP, this purchase is required to be made as a sole-source purchase request.

Product	Existing Annual Cost	One-Time Cost (First Year)	Ongoing Annual Cost (till 12/31/2020)
BusinessObjects Enterprise License and Analytics Software ^a	\$0	\$51,977	\$0
Sales Tax (8%) ^b	\$0	\$5,825	\$0
Annual Maintenance (22%) ^c	\$9,404	\$22,575	\$20,837
Total	\$9,404	\$80,377	\$20,837

^a The one-time cost includes significant discount incentive of nearly 45% from the pre-discounted software cost of \$94,721.

^b Sales tax is projected as 8% of the total cost of 94,721 (software purchase and annual maintenance). The actual sales tax may be less.

^c Annual maintenance is based on a calendar year. The first year maintenance cost for this purchase is based on 22% of the net licensing cost of \$51,997 for 13 months, assuming that the licensing effective date is 12/1/2014 and 12/31/2015. For subsequent years, the annual maintenance cost will resume the normal period between January 1 and December 31. The annual maintenance shall remain at 22% until 12/31/2020.

This purchase is consistent with the Agency's *Fiscal Responsibility* goal of maintaining cost of external SAP support.

PRIOR BOARD ACTION

None.

IMPACT ON BUDGET

If approved, purchase of the upgrade and annual maintenance is supported by FY 2014/15 Administrative Services (GG) fund professional services and capital project budget.

**CONSENT
CALENDAR
ITEM**


1D


Date: November 19, 2014


To: The Honorable Board of Directors

Through: Engineering, Operations, and Biosolids Management Committee
(11/12/14)

Finance, Legal, and Administration Committee (11/12/14)

From:  P. Joseph Grindstaff
General Manager

Submitted by: Ernest Yeboah 
Executive Manager of Operations/Assistant General Manager

Francis Concemino 
Acting Deputy Manager of Maintenance Planning and Materials Management

Subject: Downs Energy Contract Amendment

RECOMMENDATION

It is recommended that the Board:

1. Approve the contract amendment to Downs Energy for the supply and delivery of diesel fuel for a two-year period, for a not-to-exceed amount of \$80,000 through December 31, 2016; and
2. Authorize the General Manager to execute the contract amendment.

BACKGROUND:

For over two years, Downs Energy has supplied and delivered diesel fuel for the Agency. Downs Energy's most recent contract was awarded on December 21, 2011 after a competitive bid process. The award was for a three-year contract for the supply and delivery of diesel fuel to designated Agency facilities on an "as-needed/as-ordered" basis, with an expiration date of December 31, 2014. The Agency's purchasing ordinance allows for an additional two-year contract extension after the initial three-year term.

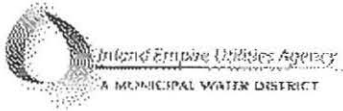
Downs Energy has been a good supplier to the Agency and is always on-time with their deliveries for the Agency. In addition, Downs Energy has agreed to hold the current terms of the existing contract for the additional two years.

PRIOR BOARD ACTION

On December 21, 2011, the Board of Directors approved the competitive award of Contract No. 4600001126 to Downs Energy.

IMPACT ON BUDGET

If approved, the not-to-exceed amount of \$80,000 will be funded from the O&M fuel accounts included in the FY 2014/15 and FY 2015/16 budgets of Regional Wastewater Operations and Maintenance (RO) and Administrative Service (GG) funds.



6075 Kimball Avenue, Chino, CA 91708
P.O.Box 9020, Chino Hills, CA 91709
TEL (909) 993-1600 -FAX (909) 993-1987

Contract Number
4600001126

This contract number must appear on all invoices, packages, and inquiries relating to this contract.

Supplier:
DOWNS ENERGY
1296 MAGNOLIA AVE
CORONA CA 92879
USA

Ship To:
Regional Plant No. 1 (RP-1)
Warehouse
2662 E. Walnut Avenue
ONTARIO CA 91761

Bill To:
Inland Empire Utilities Agency
Accounting Department
P.O.Box 9020,
Chino Hills, CA 91709

Supplier PEID#: 107181

Page 1 of 8

Order Date 12/07/2011	Attention	F.O.B. Destination	Direct Inquiries to Buyer Roger Hughbanks
			Terms Are Net 30 Unless Otherwise Stated: Net 30, Payment 30 days after invoice

Special Instructions:

Item	Part Number	Description	Quantity	U/M	Unit Price	Extended Cost
1		Diesel Fuel Blanket Purchase Agreement ***** CHANGE ORDER No. 3 ***** Change Order No. 3 extends the validity date of this agreement to a revised expiration date of December 31, 2016. Also: Change Order No. 3 revises/updates the IEUA authorized ordering personnel list to now read: Francis Concemino, Larry Vanderpool, James Buchanan, Roger Hughbanks, Charlie Batongmalaque, Rod Houser, Mike Frazier, Ernest Yeboah, Tina Morse or Albert Van Breukelen. End of Change Order No. 3 *****				

- * Supplier is responsible for all terms and conditions listed on the front and back of this contract, or attached hereto.
- * Changes to this contract require prior Contracts and Procurement approval.
- * MSDS required for all hazardous products.

CONTINUED

Authorized Signature (NOT VALID UNLESS SIGNED & DATED)

Warren T. Green _____ Date
Manager of Contracts and Procurement

VENDOR



6075 Kimball Avenue, Chino, CA 91708
 P.O.Box 9020, Chino Hills, CA 91709
 TEL (909) 993-1600 -FAX (909) 993-1987

Contract Number
4600001126

This contract number must appear on all invoices, packages, and inquiries relating to this contract.

Supplier:
 DOWNS ENERGY
 1296 MAGNOLIA AVE
 CORONA CA 92879
 USA

Ship To:
 Regional Plant No. 1 (RP-1)
 Warehouse
 2662 E. Walnut Avenue
 ONTARIO CA 91761

Bill To:
 Inland Empire Utilities Agency
 Accounting Department
 P.O.Box 9020,
 Chino Hills, CA 91709

Supplier PEID#: 107181

Page 2 of 8

Order Date 12/07/2011	Attention	F.O.B.	Direct Inquiries to Buyer Roger Hughbanks
Terms Are Net 30 Unless Otherwise Stated: Net 30, Payment 30 days after invoice			

Special Instructions:

Item	Part Number	Description	Quantity	U/M	Unit Price	Extended Cost
		***** CHANGE ORDER No. 2 ***** Change Order No. 2 revises the IEUA-authorized ordering personnel list as follows: (Was): Larry Vanderpool, James Buchanan, Roger Hughbanks, Charlie Batongmalaque, Rod Houser, Mike Frazier, Ernest Yeboah or Tina Morse. (Is): Larry Vanderpool, James Buchanan, Roger Hughbanks, Charlie Batongmalaque, Rod Houser, Mike Frazier, Ernest Yeboah, Tina Morse, Coleman Johnson or Albert Van Breukelen. End of Change Order No. 2 *****				

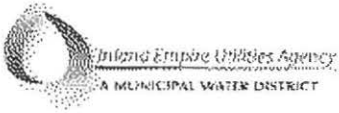
- * Supplier is responsible for all terms and conditions listed on the front and back of this contract, or attached hereto.
- * Changes to this contract require prior Contracts and Procurement approval.
- * MSDS required for all hazardous products.

CONTINUED

Authorized Signature (NOT VALID UNLESS SIGNED & DATED)

Warren T. Green _____ Date
 Manager of Contracts and Procurement

VENDOR



6075 Kimball Avenue, Chino, CA 91708
 P.O.Box 9020, Chino Hills, CA 91709
 TEL (909) 993-1600 -FAX (909) 993-1987

Contract Number
4600001126

This contract number must appear on all invoices, packages, and inquiries relating to this contract.

Supplier:
 DOWNS ENERGY
 1296 MAGNOLIA AVE
 CORONA CA 92879
 USA

Ship To:
 Regional Plant No. 1 (RP-1)
 Warehouse
 2662 E. Walnut Avenue
 ONTARIO CA 91761

Bill To:
 Inland Empire Utilities Agency
 Accounting Department
 P.O.Box 9020,
 Chino Hills, CA 91709

Supplier PEID#: 107181

Page 3 of 8

Order Date 12/07/2011	Attention	F.O.B.	Direct Inquiries to Buyer Roger Hughbanks
Terms Are Net 30 Unless Otherwise Stated: Net 30, Payment 30 days after invoice			

Special Instructions:

Item	Part Number	Description	Quantity	U/M	Unit Price	Extended Cost
		***** CHANGE ORDER No. 1 ***** Change Order No. 1 revises the IEUA-authorized ordering personnel list as follows: (Was): Mike McFarland, Roger Hughbanks, Charlie Batongmalaque, Rod Houser, Mike Frazier, Ernest Yeboah or Tina Morse. (Is): Larry Vanderpool, James Buchanan, Roger Hughbanks, Charlie Batongmalaque, Rod Houser, Mike Frazier, Ernest Yeboah or Tina Morse. End of Change Order No. 1 *****				

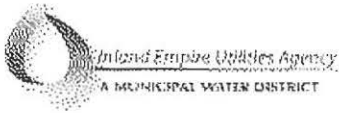
- * Supplier is responsible for all terms and conditions listed on the front and back of this contract, or attached hereto.
- * Changes to this contract require prior Contracts and Procurement approval.
- * MSDS required for all hazardous products.

CONTINUED

Authorized Signature (NOT VALID UNLESS SIGNED & DATED)

Warren T. Green _____ Date
 Manager of Contracts and Procurement

VENDOR



6075 Kimball Avenue, Chino, CA 91708
 P.O.Box 9020, Chino Hills, CA 91709
 TEL (909) 993-1600 -FAX (909) 993-1987

Contract Number
4600001126

This contract number must appear on all invoices, packages, and inquiries relating to this contract.

Supplier:
 DOWNS ENERGY
 1296 MAGNOLIA AVE
 CORONA CA 92879
 USA

Ship To:
 Regional Plant No. 1 (RP-1)
 Warehouse
 2662 E. Walnut Avenue
 ONTARIO CA 91761

Bill To:
 Inland Empire Utilities Agency
 Accounting Department
 P.O.Box 9020,
 Chino Hills, CA 91709

Supplier PEID#: 107181

Page 4 of 8

Order Date 12/07/2011	Attention		F.O.B.	Direct Inquiries to Buyer Roger Hughbanks
			Terms Are Net 30 Unless Otherwise Stated: Net 30, Payment 30 days after invoice	

Special Instructions:

Item	Part Number	Description	Quantity	U/M	Unit Price	Extended Cost
		<p>This Blanket Purchase Agreement (BPA) establishes and documents the terms and conditions covering "as-needed/as-ordered" diesel fuel deliveries to the Agency at a price per gallon based on the OPIS unbranded Colton, California rack average market price published for the day of delivery, plus Seller's margin and freight changes (combined as the Seller's proposed delivery differential), plus applicable taxes and regulatory fees in accordance with rate schedule displayed as Exhibit A to this Agreement.</p> <p>The term of this agreement shall be valid from the date of its issuance through a revised expiration date of December 31, 2016.</p> <p>Discrete delivery orders against this Blanket Agreement will be phoned in by authorized IEUA personnel on an "as needed" basis. The Agency shall only be obligated to pay for deliveries made by the Agency authorized personnel. When ordering the requester shall provide a billing purchase</p>				

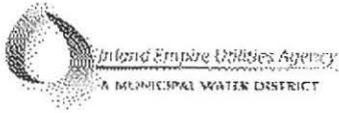
- * Supplier is responsible for all terms and conditions listed on the front and back of this contract, or attached hereto.
- * Changes to this contract require prior Contracts and Procurement approval.
- * MSDS required for all hazardous products.

CONTINUED

Authorized Signature (NOT VALID UNLESS SIGNED & DATED)

Warren T. Green Date
 Manager of Contracts and Procurement

VENDOR



6075 Kimball Avenue, Chino, CA 91708
 P.O.Box 9020, Chino Hills, CA 91709
 TEL (909) 993-1600 -FAX (909) 993-1987

Contract Number
4600001126

This contract number must appear on all invoices, packages, and inquiries relating to this contract.

Supplier:
 DOWNS ENERGY
 1296 MAGNOLIA AVE
 CORONA CA 92879
 USA

Ship To:
 Regional Plant No. 1 (RP-1)
 Warehouse
 2662 E. Walnut Avenue
 ONTARIO CA 91761

Bill To:
 Inland Empire Utilities Agency
 Accounting Department
 P.O.Box 9020,
 Chino Hills, CA 91709

Supplier PEID#: 107181

Page 5 of 8

Order Date 12/07/2011	Attention	F.O.B.	Direct Inquiries to Buyer Roger Hughbanks
Terms Are Net 30 Unless Otherwise Stated:			
Net 30, Payment 30 days after invoice			

Special Instructions:

Item	Part Number	Description	Quantity	U/M	Unit Price	Extended Cost
		<p>order number which is to be referenced on the subsequent associated invoice.</p> <p>Delivery Requirements: The selected supplier shall deliver the ordered product to the specified delivery site within 72 hours after receipt of a delivery order from the Buyer. Deliveries shall transpire between 7:00am to 3:30pm, Monday through Friday; excluding weekends, holidays and overtime periods, unless otherwise requested by the Buyer. The following information must be conveyed on each delivery packing slip and each invoice:</p> <ol style="list-style-type: none"> 1. Supplier name 2. The billing purchase order number 3. Name of IEUA employee that placed the delivery order 4. Date of order placement 5. Date of delivery 6. Location of delivery 7. Quantity of product delivered and associated unit price 				

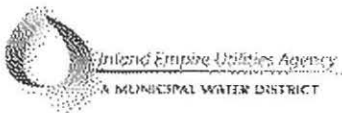
- * Supplier is responsible for all terms and conditions listed on the front and back of this contract, or attached hereto.
- * Changes to this contract require prior Contracts and Procurement approval.
- * MSDS required for all hazardous products.

CONTINUED

Authorized Signature (NOT VALID UNLESS SIGNED & DATED)

Warren T. Green _____ Date
 Manager of Contracts and Procurement

VENDOR



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Page 6 of 8

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Terms Are Net 30 Unless Otherwise Stated: Net 30, Payment 30 days after invoice			

Special Instructions:

Item	Part Number	Description	Quantity	U/M	Unit Price	Extended Cost
		<p>Invoice Payment Terms: All invoices subsequently submitted against this BPA and its associated billing purchase orders shall reflect "Net 30 days" payment terms based on/from the date the invoice is received by the Buyer.</p> <p>Insurance Requirements: Throughout the term of this BPA, the Seller must possess, maintain and submit certifications to IEUA Buyer evidencing insurance coverage consistent with the following minimum requirements:</p> <p>1) General Liability: \$1,000,000 combined single limit per occurrence for bodily injury, personal injury, and property damage, with a \$2,000,000 general liability aggregate limit.</p> <p>2) Automobile Liability: \$500,000 combined single limit per accident for bodily injury and property damage.</p> <p>3) Workers# Compensation: Limit as required by the Labor Code of the State of California. The insurer agrees to waive all rights of subrogation against the Agency, its officials and employees for losses arising from performance against this purchase order.</p>				

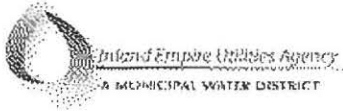
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Supplier PEID#: 107181

Page 7 of 8

Order Date 12/07/2011	Attention	F.O.B.	Direct Inquiries to Buyer Roger Hughbanks
Terms Are Net 30 Unless Otherwise Stated: Net 30, Payment 30 days after invoice			

Special Instructions:

Item	Part Number	Description	Quantity	U/M	Unit Price	Extended Cost
		The Buyer reserves the right to cancel and/or refrain from ordering against this Agreement, with or without cause, at any time.				
2		Diesel - Clear - RP-1 FY 11/12	0.00	LOT	1.00	0.00
3		Diesel - Red - RP-2 FY 11/12	0.00	LOT	1.00	0.00
4		Diesel - CC FY 11/12	0.00	LOT	1.00	0.00
5		Diesel - CCWRF - FY 11/12	0.00	LOT	1.00	0.00
6		Diesel - CC Fy 12/13	0.00	LOT	1.00	0.00
7		Diesel - Red - RP-2 FY 12/13	0.00	LOT	1.00	0.00
8		Diesel - Clear - RP-1 FY 12/13	0.00	LOT	1.00	0.00
9		Diesel - Red - RP-1 - FY 12/13	0.00	LOT	1.00	0.00
10		CC - Diesel - FY-12/13 \$ add-on	0.00	LOT	1.00	0.00
11		Diesel - CC - FY13/14	0.00	LOT	1.00	0.00
12		Diesel - Red - RP-2 - FY13/14	0.00	LOT	1.00	0.00
13		Diesel - Clear - RP-1 - FY13/14	0.00	LOT	1.00	0.00
14		Diesel - Red - RP-1 - FY13/14	0.00	LOT	1.00	0.00
15		Diesel Fuel FY-13/14	0.00	EA	1.00	0.00

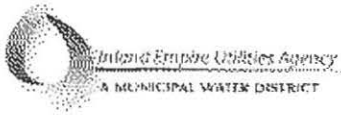
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Warren T. Green Date
 Manager of Contracts and Procurement

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Page 8 of 8

Order Date 12/07/2011	Attention		F.O.B.	Direct Inquiries to Buyer Roger Hughbanks		
			Terms Are Net 30 Unless Otherwise Stated: Net 30, Payment 30 days after invoice			
Special Instructions:						
Item	Part Number	Description	Quantity	U/M	Unit Price	Extended Cost
16		Diesel - RP-1 - Red - FY-13/14 Add-on	0.00	LOT	1.00	0.00
17		Diesel - Red - RP-2 10/6/14 invoice	0.00	LOT	1,515.39	0.00

- * Supplier is responsible for all terms and conditions listed on the front and back of this contract, or attached hereto.
- * Changes to this contract require prior Contracts and Procurement approval.
- * MSDS required for all hazardous products.

Sub-Total 0.00
 Sales Tax
 Shipping
GRAND TOTAL 0.00

Authorized Signature (NOT VALID UNLESS SIGNED & DATED)

Warren T. Green Date
 Manager of Contracts and Procurement

VENDOR


**CONSENT
CALENDAR
ITEM**


1E


Date: November 19, 2014

To: The Honorable Board of Directors

Through: Public, Legislative Affairs, and Water Resources Committee (11/12/14)

From:  P. Joseph Grindstaff
General Manager

Submitted by: Chris Berch 
Executive Manager of Engineering/Assistant General Manager

 Sylvie Lee
Manager of Planning and Environmental Compliance

Subject: Support the Santa Ana Watershed Project Authority's Adoption of Project Agreement 22

RECOMMENDATION

It is recommended that the Board of Directors:

1. Support the Santa Ana Watershed Project Authority's adoption of Project Agreement 22 that establishes a Project Committee to facilitate grant project administration and accounting; and
2. Authorize the General Manager or his designees to finalize and execute the agreement with SAWPA to establish the Project Committee.

BACKGROUND

In response to the State's solicitation of grant proposals for the 2014 Round of Proposition 84 Integrated Regional Water Management Planning (IRWMP) funding, Eastern Municipal Water District, Orange County Water District, San Bernardino Valley Municipal Water District, Western Municipal Water District, and the Inland Empire Utilities Agency (IEUA) developed Interregional Landscape Water Demand Reduction Program (Program), a watershed-wide project to implement a suite of water use efficiency improvement efforts. The grant application was awarded preliminary approval by the State, and SAWPA will move toward executing a grant contract with the State during the next few months.

The Program provided in the grant will provide support to water agencies throughout the SAR Watershed, as well as portions of the Upper Santa Margarita Watershed (USMW), to further

their water conservation efforts and consequently lower overall water use. The Program includes three main elements for achieving water conservation:

- Turf Removal for Commercial/Institutional/Homeowners Association Parcels
- Technology-Based Information Systems
- Development of Conservation-Based Water Rates

Project Agreement 22 creates a Project Committee, which administers the grant project (e.g. approves a project budget and directs the project activities). The Project Committee will serve as a cost center to facilitate accounting for Program costs and the use of grant and matching funds.

The Project Committee's function will not be limited to the 2014 Proposition 84 IRWMP grant. The proposed Project Agreement 22 names SAWPA member agencies' General Managers as the Project Committee members. It also clarifies that SAWPA costs for grant administration are separate from SAWPA's costs for Project Committee administration. The Project Committee will have flexibility to name advisory members or create advisory sub-committees to enhance the cooperation with the USMW participants and other stakeholders.

The Proposition 83 grant funding is anticipated to be received by December, with a timeline of completion for projects ranging from six months to three years (December 2018).

PRIOR BOARD ACTION

None.

IMPACT ON BUDGET

None. Project Committee administration costs will be accounted for as project costs and may either be grant reimbursed or accounted for as matching funds.

Attachment: SAWPA's Proposed Project Agreement 22

DRAFT

SANTA ANA WATERSHED PROJECT AUTHORITY

PROJECT AGREEMENT 22

WATER USE EFFICIENCY AND DROUGHT RESPONSE PROJECT COMMITTEE

THIS AGREEMENT is made on **October 7, 2014**, by and between **the SANTA ANA WATERSHED PROJECT AUTHORITY ("SAWPA")**, a joint powers agency created pursuant to Government Code Section 6500 *et seq.*, and the following member agencies of SAWPA, referred to hereinafter as Project Committee 22 members: **EASTERN MUNICIPAL WATER DISTRICT ("EASTERN"); INLAND EMPIRE UTILITIES AGENCY ("IEUA"); ORANGE COUNTY WATER DISTRICT ("OCWD"); SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT ("VALLEY");** and **WESTERN MUNICIPAL WATER DISTRICT ("WESTERN")**.

RECITALS

A. The Project Committee 22 members are all special districts with broad authority over water resources, including powers to develop, protect, and enhance water supply and reliability within the region.

B. The SAWPA Joint Powers Agreement, as amended, provides for SAWPA's exercise of the shared powers of the members, including through the formation of Project Committees for specific purposes.

C. SAWPA developed and administers the Proposition 84 Integrated Regional Water Management Plan (IRWMP) process for the Santa Ana Region, including administering grant funds as the State of California makes those grant funds available.

D. The California Department of Water Resources (DWR) has called for grant applications for up to \$200 million from the Proposition 84 IRWMP program for urgent drought response efforts. The SAWPA member agencies have submitted a grant application to SAWPA, and SAWPA has submitted the application in response to the DWR solicitation.

E. The most immediate drought response actions that can be implemented across the entire Santa Ana Region are demand reduction and water use efficiency measures, particularly measures that reduce water demand in the near term, provide for durable demand reduction and efficiency improvement in the future, and are inspirational and scalable so as to promote a higher level of watershed-wide water use efficiency.

F. The Project Committee 22 members and SAWPA desire to identify watershed-wide water use efficiency as a project of SAWPA pursuant to Section 18 of the SAWPA Joint Powers Agreement and the provisions described herein.

COVENANTS

Based on the foregoing facts, and in consideration of the mutual covenants of the Project Committee 22 members and SAWPA, it is agreed that:

1. Project Committee 22 is hereby established for the purpose of developing and implementing demand reduction and water use efficiency measures in order both to effect an urgent response to the current drought and to transform the water use efficiency of the Santa Ana River watershed in the future.

2. Project Committee 22 will implement measures funded pursuant to the grant proposal developed by the SAWPA member agencies, and will provide an accounting category for the administration of any such grant funds. Subject to SAWPA's grant contract with the State, Project Committee 22 may establish any appropriate guidelines for the allocation of grant funds throughout the watershed in order to achieve the project goals described herein.
3. This Project Agreement has no set term and is not limited to the immediate drought or the 2014 drought response grant. Project Committee 22, at the sole discretion of its members, may undertake additional actions related to the purposes of the project committee using other sources of funding, including but not limited to funds used to match grant funds.
4. In addition to and separate from Project Committee 22, SAWPA will continue its role of administering the Proposition 84 IRWMP program for the region, including forwarding grant applications and entering into grant contracts with the State. Funds available from State grants for administration may be used by SAWPA for that purpose, while SAWPA services in support of Project Committee 22 will be accounted for as project costs. Funds available to SAWPA for services in support of Project Committee 22 shall be approved in accordance with the budgeting process described in Section 7.
5. In accordance with Section 18 of the SAWPA Joint Powers Agreement, each SAWPA member agency that is a signatory heretofore hereby appoints the General Manager of that Agency as its representative to Project Committee 22. Project Committee 22 representatives shall serve at the pleasure of the agency that appoints them and may be changed upon notification of the appointing agency to SAWPA. All budget and operating decisions of the Project Committee will be made by unanimous consent of the member representatives. In the event the Project Committee cannot reach unanimity, a majority of the Committee may refer a question to the SAWPA Commission for decision.
6. Project Committee 22 may establish advisory or non-voting committee members or advisory sub-committees who represent other agencies or stakeholders in or near the region to assist the Project Committee in effecting its purposes. The number and designation of advisory committee members shall be determined by Project Committee 22 and shall be reported to the SAWPA Commission.
7. A budget shall be established for Project Committee 22 that will address the sources and uses of funds and the respective financial obligations and functions of the Project Committee 22 members. The budget shall include the planned use of any Proposition 84 grant after the grant administration cost is allocated to SAWPA, and shall include costs for SAWPA support of Project Committee 22. The Parties acknowledge that SAWPA grant administrative costs shall be reviewed and periodically approved by the SAWPA Commission. The project budget shall be approved annually by Project Committee 22 and the members' governing boards per Sections 7, 18, 26 and 27 of the SAWPA Joint Powers Agreement. SAWPA shall provide a quarterly report to Project Committee 22 of actual expenses relative to the approved budget.
8. Project Committee 22 created herein shall have, without further ratification by the said Boards of Directors, such authority as may be necessary to implement the provisions of this Project Agreement.

9. A semi-annual report of the Project Committee 22 activities on project implementation and budget shall be provided to the OWOW Steering Committee and the SAWPA Commission.
10. Project Committee 22 members may withdraw from this Project Agreement at any time upon not less than 60 days written notice to the other members. Obligations of the withdrawing agency will be determined according to the project budget then in effect or by Project Committee 22.
11. This Project Agreement shall remain in effect so long as SAWPA and at least two other members remain parties hereto.
12. No right, duty, or obligation of whatever kind or nature created herein shall be assigned by any party to this Project Agreement without the prior written consent of SAWPA.
13. This Project Agreement shall inure to the benefit of and bind the successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the signatories hereto have executed this Project Agreement to be effective as of the day and year first written above.

SANTA ANA WATERSHED PROJECT AUTHORITY

By _____

Its _____

EASTERN MUNICIPAL WATER DISTRICT

By _____

Its _____

INLAND EMPIRE UTILITIES AGENCY

By _____

Its _____

ORANGE COUNTY WATER DISTRICT

By _____

Its _____

SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT

By _____

Its _____

WESTERN MUNICIPAL WATER DISTRICT

By _____

Its _____

DRAFT

CONSENT
CALENDAR
ITEM

1F

In addition, the Agency receives 100% reimbursement that covers all expenditures associated with the program activities through Metropolitan Water District’s Conservation Credits Program for Member Agency’s locally implemented programs.

The following table presents a recap of the annual program activity since program inception:

Phases	Vouchers Issued	Residential Nozzles	CII Nozzles
1 (FY 2010-11)	1,002	24,931	
2 (FY 2011-12)	1,608	40,012	10,044
3 (FY 2012-13)	843	18,424	35,017
4 (FY 2013-14)	516	11,323	23,032
4 (FY 2014-15)	169	2,786	8,690
Total to Date	4,138	97,476	76,783

With the installation of these high efficiency landscape devices, there is a noticeable reduction in water run-off from landscape irrigation with an estimated five year savings of 766 acre-feet per year with 3,830 acre-feet savings over the lifespan of the devices.

The Agency’s 2010 Water Use Efficiency Business Plan developed by staff and the Agency’s retail member agencies have identified this nozzle replacement program as a core strategy in lowering urban per capita water use 20% by 2020 as mandated under SBX 7-7. The Business Plan identified single family homes within its service area as using up to 66% of their water outdoors, due in part to large lot sizes and the ubiquitous planting of cool season grass. Lot sizes in the Inland Empire are typically larger than in any metropolitan area in the state.

The Agency currently offers a comprehensive portfolio of water conservation programs that include landscape audits, education outreach, rebates and direct installation programs for residential and commercial customers. In an effort to achieve the mandated goal of 20% per capita water savings by 2020, Agency staff is recommending the continuation of the Program with implementation of the Phase V partnership with WMWD.

The Program will continue to bring benefit to the region by targeting reduction in outdoor water use through the distribution of an additional 44,230 Precision Irrigation Nozzles. The Agency’s seven member agencies have evaluated the program and support the proposal to move forward.

The Program will enable all customers within the Agency’s service area, regardless of water provider, to use a web-based portal to obtain a voucher for free Precision Irrigation Spray Nozzles. Precision™ series spray nozzles are a patented technology that are proven to provide up to a 20% water savings per head (1,300 gallons annually) without adjusting controllers or irrigation run times. Nozzles will be available to customers through local authorized distribution retail channels within the Agency’s service area.

This Program is consistent with the Agency’s Business Goal of increasing *Water Reliability* by promoting water use efficiency and education to enhance water supplies within the region; and

meeting the region's need to develop reliable and diverse local water resources in order to reduce dependence on imported water supplies.

PRIOR BOARD ACTION

On July 17, 2013, The Board approved Phase IV of the Freesprinklernozzles.com Voucher Program.

On July 18, 2012, the Board approved Phase III of the Freesprinklernozzles.com Voucher Program,

On January 19, 2011, the Board approved Phase I & II of the Freesprinklernozzles.com Voucher Program.

IMPACT ON BUDGET

This item is budgeted for \$143,750 under Project No. WR15011 (Free Nozzle Voucher Program) as part of the adopted FY 2014/15 water conservation budget. There is no direct impact on budget as this project is fully reimbursable by the Metropolitan Water District under their MWD Funded/Member Agency-Administered Program for locally implemented conservation programs.

**Fourth Amendment
to the
Memorandum of Understanding**

**Between the Western Municipal Water District (Western)
and the Inland Empire Utilities Agency (IEUA)
for Participation in the
Free Sprinkler Nozzles Program and the
Reimbursement Payments Associated Therewith**

This Fourth Amendment (“Amendment”) to the existing “Memorandum of Understanding” between the Western Municipal Water District (“Western”) and Inland Empire Utilities Agency (“IEUA”) is established to continue all aspects of the Free Sprinkler Nozzles Program (“Program”) through June 30, 2015.

1. **Term:** The Term of this amendment will commence November 19, 2014 and end June 30, 2015 or until funding is exhausted.
2. **Budget:** The maximum payable by IEUA under this Amendment is \$143,750 for the distribution of approximately 44,203 sprinkler nozzles.
3. All “Understandings and Agreements” and “General Provisions” as set forth in the original Memorandum of Understanding will remain in effect and binding on both parties.

INLAND EMPIRE UTILITIES AGENCY:

WESTERN MUNICIPAL WATER DISTRICT:

P. Joseph Grindstaff
General Manager

Date

John V. Rossi
General Manager

Date

MOU Amendment Free Sprinkler Nozzles

FREE Toro® Precision™ Series Spray Nozzles



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

November 2014

Freesprinklernozzles.com

- Inter-Agency Partnering Program with Western Municipal Water District
- Online Voucher Program launched: FY 2010-11
- Target Market:
 - Residential, Commercial, Industrial and Landscape Customers
- Success Achieved:
 - 97,476 Residential Nozzles
 - 76,783 Commercial/Industrial Nozzles
- Program's Five Year Water Savings: 766 AFY

Freesprinklernozzles.com Voucher Program

- Phase V Program (FY 2014-15):
 - MOU Amendment with WMWD: \$143,750
 - 44,203 High Efficiency Nozzles
 - 100% Reimbursed by MWD Conservation Credits
 - Annual Water Savings: 177 AF
 - Lifetime Water Savings: 885 AF (over 5 years)

Achieves the Agency's Business Goal Objective of Water Reliability




**CONSENT
CALENDAR
ITEM**


1G


Date: November 19, 2014

To: The Honorable Board of Directors

Through: Public, Legislative Affairs, and Water Resources Committee (11/12/14)

From:  Joseph Grindstaff
General Manager

Submitted by: Chris Berch 
Executive Manager of Engineering/Assistant General Manager

 Sylvie Lee
Manager of Planning and Environmental Compliance

Subject: 2015 Water Use Efficiency Business Plan Contract Award

RECOMMENDATION

It is recommended that the Board of Directors:

1. Award a contract to A&N Technical Services, Inc. for the development of the revised Water Use Efficiency Business Plan for a not-to-exceed amount of \$75,000; and
2. Authorize the General Manager to execute the contract.

BACKGROUND

In August 2013, the Board of Directors awarded a professional services contract to RMC for the development of an Integrated Resources Plan (IRP). The goal of the IRP process is to integrate previous and new planning efforts into a focused, holistic approach and implementation strategy to achieve improved near and long-term water resources management for the IEUA service area.

In addition to the specific evaluation and project focus of the IRP, it was also requested that the proposal include costs for the update of the 2010 Water Use Efficiency Business Plan (WUEBP), also known as the 2015 WUEBP. The original task for the 2015 WUEBP was fairly direct and would have only updated the existing 3 tiers of programs identified back in 2010. The current path for the 2015 WUEBP would achieve 6,000 acre-foot per year (AFY) of annual water savings by year 2020.

As part of the IRP process, several transformational programs were identified to improving the efficiency of water use in the region. The new programs identified aggressive WUE targets for a long-term regional demand reduction goal of 150 gallon-per-capita-day (GPCD). This long-term

goal would allow IEUA and its member agencies to reduce its current regional baseline GPCD by 40% when compared to IEUAs 2010 Urban Water Management Plan. In order for the region to better align with the long term goal of 150 GPCD, the 2015 WUEBP will need to be revised to expand the water savings to approximately 16,000 AFY by year 2020. Some of the new programs and activities to be included as part of the revised update will be increased turf removal incentive programs, technology-based information systems and conservation-based water rate structures. The WUEBP is updated every five years and serves as a working document and, as such, must be modified and updated as changes occur and program years roll out.

As an extension to the 2015 WUEBP, the consultant will develop a blueprint to help IEUA and its member agencies comprehensively plan for and implement future WUE activities over the next 25 years. As part of this work, the consultant will evaluate to determine the potential to increase the scalability of the WUEBP and identify new programs for a five-tier regional WUE strategic plan.

The consultant's proposal was received for the subject request on October 16, 2014. Staff is recommending the contract be awarded to A&N Technical Services, Inc. A&N is highly competent and has worked on multiple WUE studies for the Agency, as a sub-consultant to other IEUA hired consultants. In addition, staff believes there will be efficiencies by having A&N complete this work as they are currently doing the original 2015 WUEBP and has performed data analysis for the IRP.

This Project is consistent with the Agency's Business Goal of increasing *Water Reliability* by promoting water use efficiency and education to enhance water supplies within the region; and meeting the region's need to develop reliable and diverse local water resources in order to reduce dependence on imported water supplies.

PRIOR BOARD ACTION

On August 21, 2013, the IEUA Board of Directors awarded RMC, a contract in the amount of \$539,179 for the development of an Integrated Resources Plan. Of this amount, \$48,000 was allocated for the 2015 WUEBP for A&N Technical Services.

IMPACT ON BUDGET

If approved, the additional scope for the 2015 WUEBP will be added to Project No. WR15023 increasing the FY 14/15 budget by \$75,000. The additional budget will be funded by the Water Fund (WW) reserves in the amount of \$75,000.

Attachment: Contract with A&N Technical Services Inc.



**CONTRACT NUMBER: 4600001796
FOR
INTEGRATED RESOURCE PLANNING (IRP) SUPPORT SERVICES
RELATED TO WATER USE EFFICIENCY (WUE)**

THIS CONTRACT (the "Contract"), is made and entered into this ____ day of November 2014, by and between the Inland Empire Utilities Agency, a Municipal Water District, organized and existing in the County of San Bernardino under and by virtue of the laws of the State of California (hereinafter referred to as "Agency"), and A & N Technical Services, Inc. of Encinitas, California (hereinafter referred to as "Consultant") for support services related to the planning efforts and targets for water use efficiency programs.

NOW, THEREFORE, in consideration of the mutual promises and obligations set forth herein, the parties agree as follows:

1. PROJECT MANAGER ASSIGNMENT: All technical direction related to this Contract shall come from the designated Project Manager. Details of the Agency's assignment are listed below.

Project Manager: Lisa Morgan-Perales
Inland Empire Utilities Agency
Address: 6075 Kimball Avenue, Bldg. B
Chino, California 91708

Telephone: (909) 993-1520
Facsimile: (909) 993-1983
Email: lperales@ieua.org

2. CONSULTANT ASSIGNMENT: Special inquiries related to this Contract and the effects of this Contract shall be referred to the following:

Consultant: Tom Chesnutt
A & N Technical Services
Address: 839 Second Street, Suite 5
Encinitas, California 92024-4452

Telephone: (760) 942-5149
Facsimile: (760) 942-6853
Email: Tom@antechserv.com

3. ORDER OF PRECEDENCE: The documents referenced below represent the Contract Documents. Where any conflicts exist between the General Terms and Conditions, or addenda attached, then the governing order of precedence shall be as follows:
- A. Amendments to Contract Number 4600001796.
 - B. Contract Number 4600001790 General Terms and Conditions.
 - C. Consultant's Proposal dated October 16, 2014

4. SCOPE OF WORK AND SERVICES: Consultant services shall be in accordance with Consultant's proposal dated October 16, 2014, which is attached hereto, incorporated herein and made a part hereof. Consultant will review the WUE programs currently identified in the Agency's 2013 WUE Business Plan, as well as the WUA alternative future programs identified in early 2014. Consultant shall, taking into consideration the aggressive targets for water demand reduction, provide consulting services to 1) convert the proposed new WUE programs into implementable programs; and, 2) develop planning estimates of demand reduction benchmarked to cost. Consultant shall also include the passive conservation programs identified and developed in the AWA Water Conservation Tracking Tool as part of the analysis for the goal attainment ((20 or 40 percent reduction of water use in gallons per capita per day (gpcd) by 2040)).

Consultant shall revise and include the proposed new program activities for tier 1-3 in the WUE Business Plan to support better coordination with the regional gpcd goal.

Consultant will evaluate the potential WUE and demand reduction programs for the new tiers 4 and 5, including the following activities;

- a. Preparation of planning level costs and saving assumptions,
- b. Identification of potential barriers to implementing the new tiers programs,
- c. Evaluate the ability to further expand the WUE Business Plan into a tier 4 or 5 program over the next 20 year planning horizon (year 2020 go 2040) and,
- d. Identify marketing approaches to turn regional concepts into fully-developed WUE programs.

DELIVERABLE:

Consultant shall deliver to the Agency's Project Manager, a draft technical memorandum (TM) and present the preliminary findings to the stakeholder group. Based upon the feedback received from the draft TM review and presentation, Consultant shall update the TM and deliver a finalized TM to the Agency's Project Manager.

5. TERM: The term of this Contract shall extend from the date of the Notice to Proceed, and terminate on March 30, 2015, unless agreed to by both parties, reduced to writing, and amended to this Contract.
6. COMPENSATION: Agency shall pay Consultant's properly executed invoice approved by the Project Manager within thirty (30) days following receipt of the invoice. Payment

will be withheld for any service which does not meet or exceed Agency requirements or have proven unacceptable until such service is revised, the invoice resubmitted, and accepted by the Project Manager. Invoices shall include **Contract Number 4600001796**. Mail one original invoice to the Agency's Accounts Payable Department, with a copy to the Project Manager. To expedite payment, invoices may be sent electronically to IEUA's Accounts Payable at apgroup@ieua.org. with a copy to the Project Manager.

Agency may at any time make changes to the Work including additions, reductions, and changes to any or all of the Work, as directed in writing by the Agency. Such changes shall be made by an Amendment to the Contract. The NOT-TO-EXCEED Amount and Work Schedule shall be equitably adjusted, if required, to account for such changes and shall be set forth in the Amendment. In compensation for the work completed under this contract, Consultant shall be paid a maximum NTE amount of **\$74,960.00** for all services and expenses.

7. CONTROL OF THE WORK: Consultant shall perform the Work in compliance with the work schedule. If performance of the Work falls behind schedule, the Consultant shall accelerate the performance of the Work to comply with the work schedule as directed by the Project Manager. If the nature of the Work is such that Consultant is unable to accelerate the Work, Consultant shall promptly notify the Project Manager of the delay, the causes of the delay, and submit a proposed revised work schedule.
8. FITNESS FOR DUTY:
 - A. Fitness: Consultant and its Subconsultant personnel on the Jobsite:
 1. shall report for work in a manner fit to do their job;
 2. shall not be under the influence of or in possession of any alcoholic beverages or of any controlled substance (except a controlled substance as prescribed by a physician so long as the performance or safety of the Work is not affected thereby); and
 3. shall not have been convicted of any serious criminal offense which, by its nature, may have a discernible adverse impact on the business or reputation of Agency.
 - B. Inspection: Searches by Agency authorized personnel may be made of lockers, storage areas, vehicles, persons or personal effects on Agency-owned, or leased property at various times without prior announcement. Such facility inspections may be conducted using detection dog teams to search work areas and other common areas in order to detect evidence of unlawful drug use or the presence of pyrotechnics, explosives, firearms, weapons, or facsimiles thereof, alcoholic beverages and illegal drugs ("Prohibited Items"). Prohibited Items must not be brought onto, or kept on, Agency property.

- C. Compliance: Consultant shall advise all personnel and associated third parties of the requirements of this Contract ("Fitness for Duty Requirements") before they enter on the Jobsite and shall immediately remove from the Jobsite any employee determined to be in violation of these requirements. Consultant shall impose these requirements on its Subconsultants. Agency may cancel the Contract if Consultant violates these Fitness for Duty Requirements.
9. INSURANCE: During the term of this Contract, the Consultant shall maintain at Consultant's sole expense, the following insurance.
- A. Minimum Scope of Insurance:
1. General Liability: \$1,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage. Coverage shall be at least as broad as Insurance Services Office form number GL 0001-87 covering Comprehensive General Liability. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this Project/location, or the general aggregate limit shall be twice the required occurrence limit.
 2. Automobile Liability: \$1,000,000 combined single limit per accident for bodily injury and property damage. Coverage shall be at least as broad as Insurance Services Office form number CA 00 01 87, covering Automobile Liability, including "any auto."
 3. Workers' Compensation and Employers Liability: Workers' compensation limits as required by the Labor Code of the State of California and employers Liability limits of \$1,000,000 per accident.
- B. Deductibles and Self-Insured Retention: Any deductibles or self-insured retention must be declared to and approved by the Agency. At the option of the Agency, either: the insurer shall reduce or eliminate such deductibles or self-insured retention as respects the Agency, its officers, officials, employees and volunteers; or the Consultant shall procure a bond guaranteeing payment of losses and related investigations, claims administration and defense expenses.
- C. Other Insurance Provisions: The policies are to contain, or be endorsed to contain, the following provisions:
1. General Liability and Automobile Liability Coverage
 - a. The Agency, its officers, officials, employees, volunteers, property owners and any engineers under contract to the Agency are to be covered as additional insureds, endorsements GL 20 11 07 66, CG2010 1185 and/or CA 20 01 (Ed. 0178), as respects: liability arising out of negligent activities performed by or on behalf of the Consultant, products and completed operations of the Consultant, premises owned, occupied or used by the Consultant, or

automobiles owned, leased, hired or borrowed by the Consultant. The coverage shall contain no special limitations on the scope of protection afforded to the Agency, its officers, officials, employees or volunteers.

- b. The Consultant's insurance coverage shall be primary insurance as respects the Agency, its officer, officials, employees and volunteers. Any insurance or self-insurance maintained by the Agency, its officers, officials, employees, or volunteers shall be excess of the Consultant's insurance and shall not contribute with it.
- c. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the Agency, its officers, officials, employees or volunteers.
- d. The Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
- e. The Consultant may satisfy the limit requirements in a single policy or multiple policies. Any Such additional policies written as excess insurance shall not provide any less coverage than that provided by the first or primary policy.

2. Workers' Compensation and Employers Liability Coverage

The insurer shall agree to waive all rights of subrogation against the Agency, its officers, officials, employees and volunteers for losses arising from work performed by the Consultant for the Agency.

3. All Coverages

Prior to cancellation of any policy required herein, the policies shall be endorsed to state, 30 days advanced cancellation notice will be mailed to the Agency, except if policies cancelled for non-payment of premium, then 10 days advance notice will be mailed.

- D. Acceptability of Insurers: With the exception of Professional Liability Insurance, all insurance is to be placed with insurers with a Best's rating of no less than A:VII, and who are admitted insurers in the State of California. Professional Liability Insurance is to be placed with insurers with a Best's rating of no less than B:VII, and who are admitted insurers in the State of California.
- E. Verification of Coverage: Consultant shall furnish the Agency with certificates of insurance and with original endorsements effecting coverage required by the Agency for themselves and all subconsultants prior to commencing work or allowing any subconsultant to commence work under any subcontract. The certificates and endorsements for each insurance policy are to be signed by a

person authorized by that insurer to bind coverage on its behalf. All certificates and endorsements are to be approved by the Agency before work commences. The Agency reserves the right to require complete, certified copies of all required insurance policies, at any time.

- F. Submittal of Certificates: Consultant shall submit all required certificates and endorsements to the following:

Inland Empire Utilities Agency
Attn: Angela Witte
P.O. Box 9020
Chino Hills, California 91709

10. LEGAL RELATIONS AND RESPONSIBILITIES

- A. Professional Responsibility: The Consultant shall be responsible, to the level of competency presently maintained by other practicing professionals performing the same or similar type of work.
- B. Status of Consultant: The Consultant is retained as an independent Consultant only, for the sole purpose of rendering the services described herein, and is not an employee of the Agency.
- C. Observing Laws and Ordinances: Consistent with the standard of skill and care set forth in 10.A, Professional Responsibility, the Consultant shall keep itself fully informed of all relevant existing state and federal laws and all relevant county and city ordinances and regulations which pertain to structural engineering services or tasks performed under this Contract, and of all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same. The Consultant shall at all times observe and comply with all such existing laws, ordinances, regulations, orders and decrees, including prevailing wage and shall to the extent of Consultant's negligence, indemnify, but not defend, as required herein, the Agency, its officers, employees against any liability for damages to the extent caused by the violation of any such law, ordinance, regulation, order or decree, whether by the Consultant or its employees.
- D. Subcontract Services: Any subcontracts for the performance of any services under this Contract shall be subject to the written approval of the Project Manager.
- E. Grant/Loan Funded Projects: This is a not a grant funded project. For grant/loan-funded projects, the Consultant shall be responsible to comply with all grant requirements related to the Project. These may include, but shall not be limited to: Davis-Bacon Act, Endangered Species Act, Executive Order 11246 (Affirmative Action Requirements), Equal Opportunity, Disadvantaged Business Enterprise (DBE) Requirements, Competitive Solicitation, Record Retention and Public Access to Records, and Labor Compliance and Compliance Review.

- F. Conflict of Interest: No official of the Agency who is authorized in such capacity and on behalf of the Agency to negotiate, make, accept or approve, or to take part in negotiating, making, accepting or approving this Contract, or any subcontract relating to services or tasks to be performed pursuant to this Contract, shall become directly or indirectly personally interested in this Contract.
- G. Equal Opportunity and Unlawful Discrimination: During the performance of this Contract, the Consultant shall not unlawfully discriminate against any employee or employment applicant because of race, color, religion, sex, age, marital status, ancestry, physical or mental disability, sexual orientation, veteran status or national origin. The Agency is committed to creating and maintaining an environment free from harassment and discrimination. To accomplish these goals the Agency has established procedures regarding the implementation and enforcement of the Agency's Harassment Prohibition and Equal Employment Opportunity commitments. Please refer to Agency Policies A-29 (Equal Employment Opportunity) and A-30 Harassment Prohibition for detailed information or contact the Agency's Human Resources Administrator. A copy of either of these Policies can be obtained by contacting the Project Manager for your respective Contract. Please advise any of your staff that believes they might have been harassed or discriminated against while on Agency property, to report said possible incident to either the Project Manager, or the Agency's Human Resources Administrator. Please be assured that any possible infraction will be thoroughly investigated by the Agency.
- H. Non-Conforming Work: Consistent with the standard of skill and care set forth in Section 10.A, Professional Responsibility, Consultant represents that the Work and Documentation shall be adequate to serve the purposes described in the Contract. If the Project Manager rejects all or any part of the Work or Documentation as unacceptable, and agreement to correct such Work or Documentation cannot be reached without modification to the Contract, Consultant shall notify the Project Manager, in writing, detailing the dispute and reason for Consultant's position. Any dispute that cannot be resolved between the Project Manager and the Consultant shall be resolved in accordance with the Dispute Section of this Contract.
- I. Disputes:
1. All disputes arising out of or in relation to this Contract shall be determined in accordance with this section. The Consultant shall pursue the work to completion in accordance with the instruction of the Agency's Project Manager notwithstanding the existence of dispute. By entering into this Contract, both parties are obligated, and hereby agree, to submit all disputes arising under or relating to the Contract, which remain unresolved after the exhaustion of the procedures provided herein, to independent arbitration. Except as otherwise provided herein, arbitration

shall be conducted under California Code of Civil Procedure Sections 1280, et. seq, or their successor.

2. Any and all disputes during the pendency of the work shall be subject to resolution by the Agency Project Manager and the Consultant shall comply, pursuant to the Agency Project Manager instructions. If the Consultant is not satisfied with any such resolution by the Agency Project Manager, they may file a written protest with the Agency Project Manager within seven (7) calendar days after receiving written notice of the Agency's decision. Failure by Consultant to file a written protest within seven (7) calendar days shall constitute waiver of protest, and acceptance of the Agency Project Manager's resolution. The Agency's Project Manager shall submit the Consultant's written protests to the General Manager, together with a copy of the Agency Project Manager's written decision, for his or her consideration within seven (7) calendar days after receipt of said protest(s). The General Manager shall make his or her determination with respect to each protest filed with the Agency Project Manager within ten (10) calendar days after receipt of said protest(s). If Consultant is not satisfied with any such resolution by the General Manager, they may file a written request for arbitration with the Project Manager within seven (7) calendar days after receiving written notice of the General Manager's decision.
3. In the event of arbitration, the parties hereto agree that there shall be a single neutral Arbitrator who shall be selected in the following manner:
 - a. The Demand for Arbitration shall include a list of five names of persons acceptable to the Consultant to be appointed as Arbitrator. The Agency shall determine if any of the names submitted by Consultant are acceptable and, if so, such person will be designated as Arbitrator.
 - b. In the event that none of the names submitted by Consultant are acceptable to Agency, or if for any reason the Arbitrator selected in Step (a) is unable to serve, the Agency shall submit to Consultant a list of five names of persons acceptable to Agency for appointment as Arbitrator. The Consultant shall, in turn, have seven (7) calendar days in which to determine if one such person is acceptable.
 - c. If after Steps (a) and (b), the parties are unable to mutually agree upon a neutral Arbitrator, the matter of selection of an Arbitrator shall be submitted to the San Bernardino County Superior Court pursuant to Code of Civil Procedure Section 1281.6, or its successor. The costs of arbitration, including but not limited to reasonable attorneys' fees, shall be recoverable by the party prevailing in the arbitration. If this arbitration is appealed to a court pursuant to the procedure under California Code of Civil

Procedure Section 1294, et. seq., or their successor, the costs of arbitration shall also include court costs associated with such appeals, including but not limited to reasonable attorneys' fees which shall be recoverable by the prevailing party.

4. Joinder in Mediation/Arbitration: The Agency may join the Consultant in mediation or arbitration commenced by a Consultant on the Project pursuant to Public Contracts Code Sections 20104 et seq. Such joinder shall be initiated by written notice from the Agency's representative to the Consultant.
11. INDEMNIFICATION: Consultant shall indemnify the Agency, its directors, employees and assigns, and shall hold them harmless from all liabilities, demands, actions, claims, losses and expenses, including reasonable attorneys' fees, which arise out of or are actually caused by the negligence, recklessness or willful misconduct of the Consultant, its directors, employees, agents and assigns, in the performance of work under this contract.
12. OWNERSHIP OF MATERIALS AND DOCUMENTS/CONFIDENTIALITY: The Agency retains ownership of any and all partial or complete reports, drawings, plans, notes, computations, lists, and/or other materials, documents, information, or data prepared by the Consultant and/or the Consultant's subconsultant(s) pertaining to this Contract. Said materials and documents are confidential and shall be available to the Agency from the moment of their preparation, and the Consultant shall deliver same to the Agency whenever requested to do so by the Project Manager and/or Agency. The Consultant agrees that same shall not be made available to any individual or organization, private or public, without the prior written consent of the Agency.

Said materials and documents shall not be changed or used for purposes other than those set forth in the Contract without the prior written approval of Consultant. If Agency reuses the materials and documents without Consultant's prior written consent, changes or uses the materials and documents other than as intended hereunder, Agency shall do so at its sole risk and discretion, and Consultant shall not be liable for any claims and/or damages resulting from use or connected with the release of or any third party's use of the reused materials or documents.
13. TITLE AND RISK OF LOSS:
 - A. Documentation: Title to the Documentation shall pass, subject to payment therefore, to Agency when prepared; however, a copy may be retained by Consultant for its records and internal use. Consultant shall retain such Documentation in a controlled access file, and shall not reveal, display or disclose the contents of the Documentation to others without the prior written authorization of Agency or for the performance of Work related to the project.
 - B. Material: Title to all Material, field or research equipment, subject to payment therefore, and laboratory models, procured or fabricated under the Contract shall pass to Agency when procured or fabricated, and such title shall be free and

clear of any and all encumbrances. Consultant shall have risk of loss of any Material or Agency-owned equipment of which it has custody.

- C. Disposition: Consultant shall dispose of items to which Agency has title as directed in writing by the Agreement Administrator and/or Agency.

14. PROPRIETARY RIGHTS:

- A. Rights and Ownership: Agency's rights to inventions, discoveries, trade secrets, patents, copyrights, and other intellectual property, including the Information and Documentation, and revisions thereto (hereinafter collectively referred to as "Proprietary Rights"), used or developed by Consultant in the performance of the Work, shall be governed by the following provisions:
1. Proprietary Rights conceived, developed, or reduced to practice by Consultant in the performance of the Work shall be the property of Agency, and Consultant shall cooperate with all appropriate requests to assign and transfer same to Agency.
 2. If Proprietary Rights conceived, developed, or reduced to practice by Consultant prior to the performance of the Work are used in and become integral with the Work or Documentation, or are necessary for Agency to have complete enjoyment of the Work or Documentation, Consultant shall grant to Agency a non-exclusive, irrevocable, royalty-free license, as may be required by Agency for the complete enjoyment of the Work and Documentation, including the right to reproduce, correct, repair, replace, maintain, translate, publish, use, modify, copy or dispose of any or all of the Work and Documentation and grant sublicenses to others with respect to the Work and Documentation.
 3. If the Work or Documentation includes the Proprietary Rights of others, Consultant shall procure, at no additional cost to Agency, all necessary licenses regarding such Proprietary Rights so as to allow Agency the complete enjoyment of the Work and Documentation, including the right to reproduce, correct, repair, replace, maintain, translate, publish, use, modify, copy or dispose of any or all of the Work and Documentation and grant sublicenses to others with respect to the Work and Documentation. All such licenses shall be in writing and shall be irrevocable and royalty-free to Agency.
 4. Notwithstanding anything to the contrary herein, Consultant's Work and Documentation shall not be changed or used for purposes other than those set forth in the Contract, without the prior written approval of the Consultant. If the Agency reuses the Work or Documentation without Consultant's prior written consent, changes or uses the Work or Documentation other than as intended hereunder, Agency shall do so at its sole risk and discretion, and Consultant shall not be liable for any

claims and or damages resulting from use or connected with the release of or any third party's use of the reused materials or documents.

B. No Additional Compensation: Nothing Set forth in this Contract shall be deemed to require payment by Agency to Consultant of any compensation specifically for the assignments and assurances required hereby, other than the payment of expenses as may be actually incurred by Consultant in complying with this Contract.

15. INFRINGEMENT: Consultant represents and warrants that the Work and Documentation shall be free of any claim of trade secret, trade mark, trade name, copyright, or patent infringement or other violations of any Proprietary Rights of any person.

Consultant shall defend, indemnify and hold harmless, Agency, its officers, directors, agents, employees, successors, assigns, servants, and volunteers free and harmless from any and all liability, damages, losses, claims, demands, actions, causes of action, and costs including reasonable attorney's fees and expenses to the extent of Consultant's negligence for any claim that use of the Work or Documentation infringes upon any trade secret, trade mark, trade name, copyright, patent, or other Proprietary Rights.

Consultant shall, at its expense and at Agency's option, refund any amount paid by Agency under the Contract, or exert its best efforts to procure for Agency the right to use the Work and Documentation, to replace or modify the Work and Documentation as approved by Agency so as to obviate any such claim of infringement, or to put up a satisfactory bond to permit Agency's continued use of the Work and Documentation.

16. NOTICES: Any notice may be served upon either party by delivering it in person, or by depositing it in a United States Mail deposit box with the postage thereon fully prepaid, and addressed to the party at the address set forth below:

Agency: Warren T. Green
Manager of Contracts and Facilities Services
Inland Empire Utilities Agency
6075 Kimball Avenue, Building A
Chino, California 91708

Consultant: Tom Chesnutt
A & N Technical Services, Inc.
839 Second Street, Suite 5
Encinitas, California 92024-4452

Any notice given hereunder shall be deemed effective in the case of personal delivery, upon receipt thereof, or, in the case of mailing, at the moment of deposit in the course of transmission with the United States Postal Service.

17. SUCCESSORS AND ASSIGNS: All of the terms, conditions and provisions of this Contract shall inure to the benefit of and be binding upon the Agency, the Consultant,

and their respective successors and assigns. Notwithstanding the foregoing, no assignment of the duties or benefits of the Consultant under this Contract may be assigned, transferred or otherwise disposed of without the prior written consent of the Agency; and any such purported or attempted assignment, transfer or disposal without the prior written consent of the Agency shall be null, void and of no legal effect whatsoever.

18. PUBLIC RECORDS POLICY: Information made available to the Agency may be subject to the California Public Records Act (Government Code Section 6250 et seq.) The Agency's use and disclosure of its records are governed by this Act. The Agency shall use its best efforts to notify Consultant of any requests for disclosure of any documents pertaining to Consultant.

In the event of litigation concerning disclosure of information Consultant considers exempt from disclosure; (e.g., Trade Secret, Confidential, or Proprietary) Agency shall act as a stakeholder only, holding the information until otherwise ordered by a court or other legal process. If Agency is required to defend an action arising out of a Public Records Act request for any of the information Consultant has marked "Confidential," "Proprietary," or "Trade Secret," Consultant shall defend and indemnify Agency from all liability, damages, costs, and expenses, including attorneys' fees, in any action or proceeding arising under the Public Records Act.

19. RIGHT TO AUDIT: The Agency reserves the right to review and/or audit all Consultants' records related to the Work. The option to review and/or audit may be exercised during the term of the Contract, upon termination, upon completion of the Contract, or at any time thereafter up to twelve (12) months after final payment has been made to Consultant. The Consultant shall make all records and related documentation available within three (3) working days after said records are requested by the Agency.
20. INTEGRATION: The Contract Documents represent the entire Contract of the Agency and the Consultant as to those matters contained herein. No prior oral or written understanding shall be of any force or effect with respect to those matters covered by the Contract Documents. This Contract may not be modified, altered or amended except by written mutual agreement by the Agency and the Consultant.
21. GOVERNING LAW: This Contract is to be governed by and constructed in accordance with the laws of the State of California.
22. TERMINATION FOR CONVENIENCE: The Agency reserves and has the right to immediately suspend, cancel or terminate this Contract at any time upon written notice to the Consultant. In the event of such termination, the Agency shall pay Consultant for all authorized and Consultant-invoiced services up to the date of such termination.
23. FORCE MAJEURE: Neither party shall hold the other responsible for the effects of acts occurring beyond their control; e.g., war, riots, strikes, natural disasters, etcetera.

24. NOTICE TO PROCEED: No services shall be performed or furnished under this Contract unless and until this document has been properly signed by all responsible parties and a Notice to Proceed order has been issued to the Consultant.

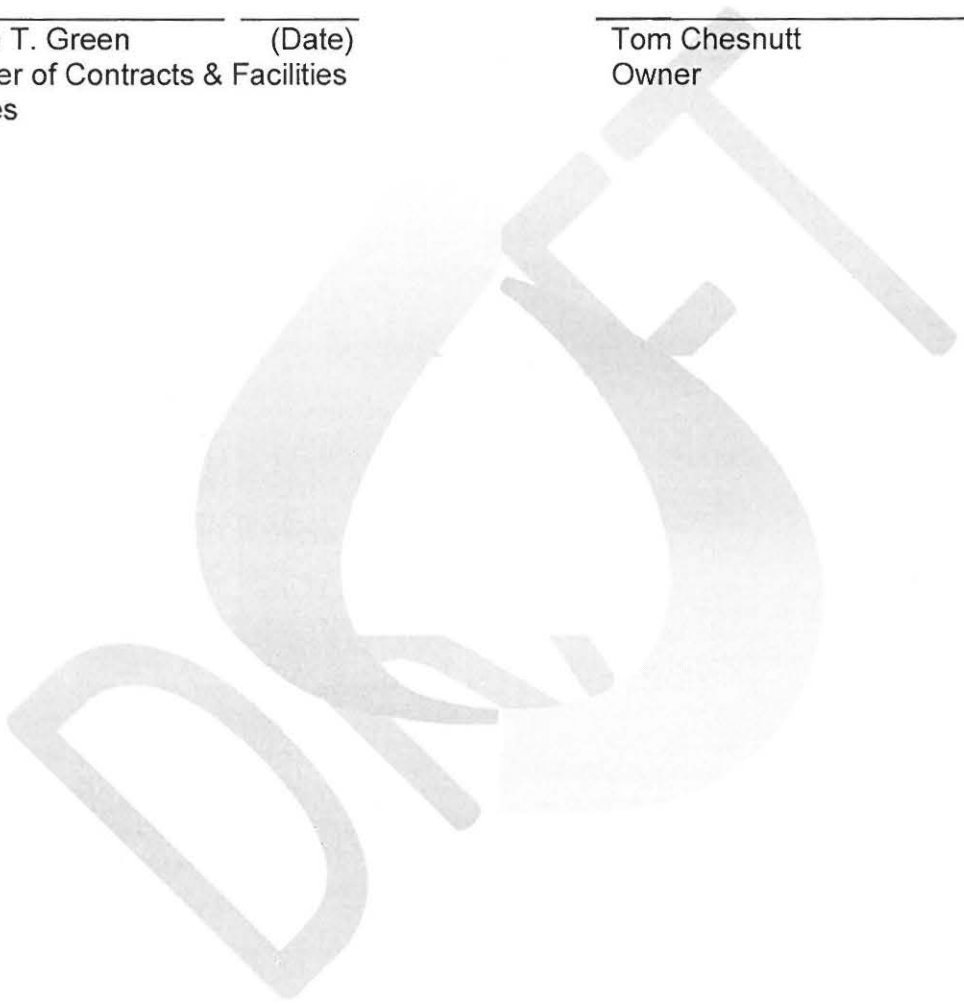
IN WITNESS WHEREOF, the parties hereto have caused the Contract to be entered as of the day and year written above.

INLAND EMPIRE UTILITIES AGENCY:

A & N TECHNICAL SERVICES:

Warren T. Green (Date)
Manager of Contracts & Facilities
Services

Tom Chesnutt (Date)
Owner



2015 Water Use Efficiency Business Plan

Revisions per IRP Process



Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

November 2014

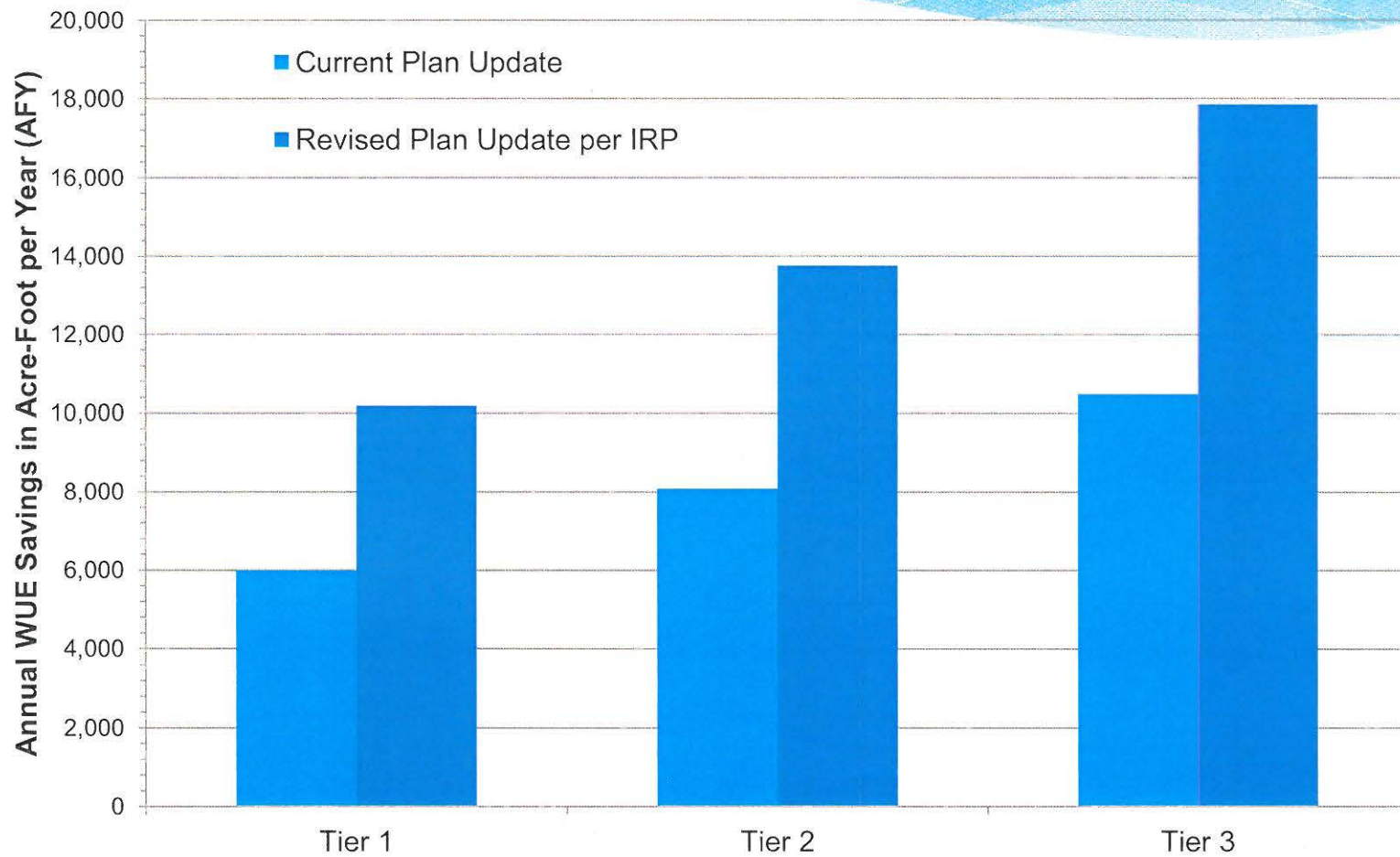
Water Use Efficiency Business Plan

2015 WUEBP Overview:

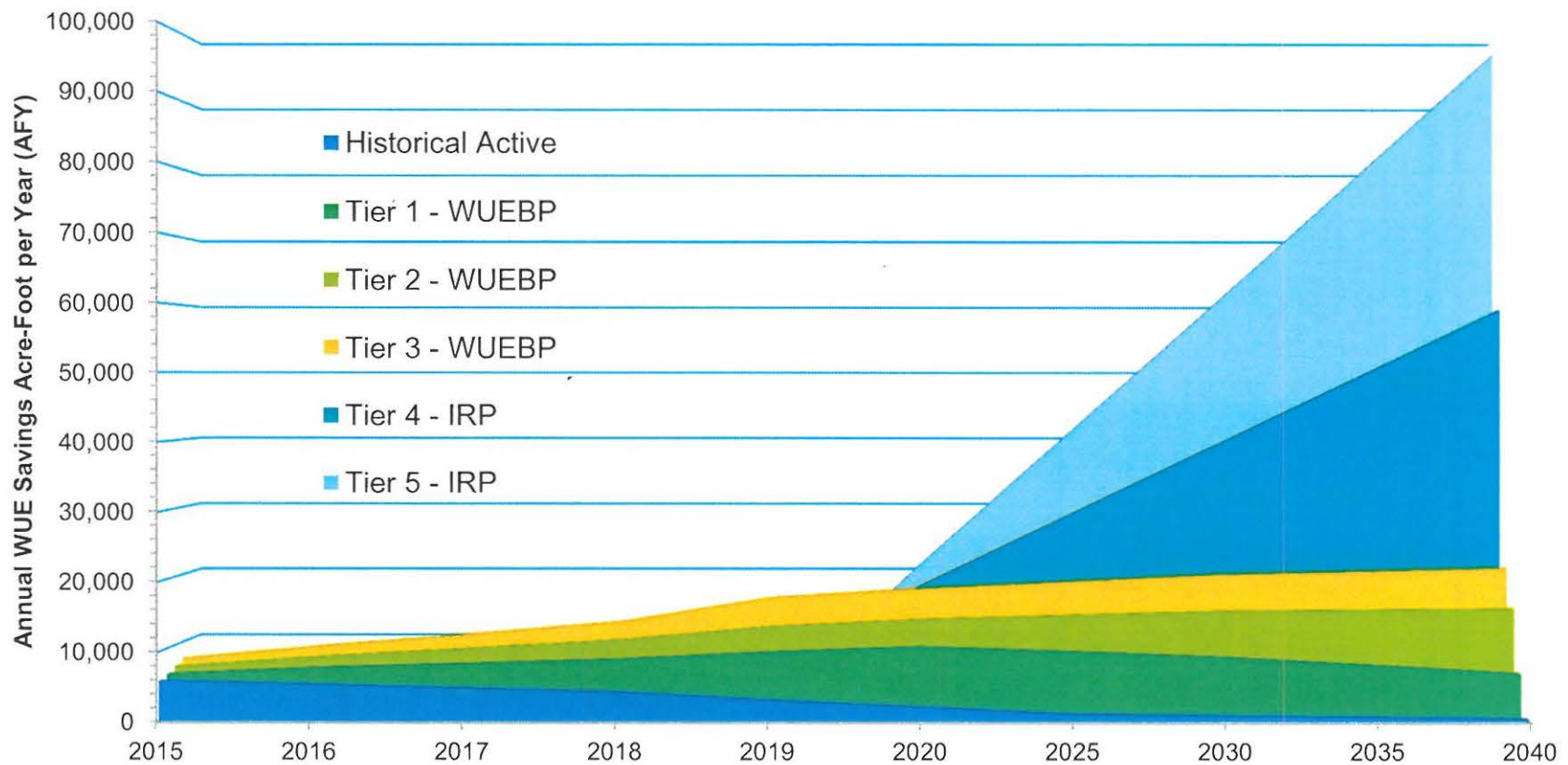
- Original budget included in IRP for \$48k
 - Approved August 2013
 - Subconsultant for the WUEBP: A&N Technical Services Inc.
- Initial Scope: update of 2010 WUEBP Programs
- Revisions necessary to align with IRP plan for 2040
- Revised update to double initial WUE savings by 2020

Note: IRP: Integrated Resources Plan

Annual WUEBP Savings by 2020



Long-Term WUE Goal by 2040



Recommendation

- Award contract to A&N Technical Services Inc. for the revised 2015 WUEBP.
 - Contract Amount: Not to exceed \$75,000
 - Added scope for the 2015 WUEBP (\$48k), and
 - Evaluate programs for long-term WUE goal from IRP (\$27k)
 - Schedule: 3 months from NTP

Achieves the Agency's Business Goal Objective of Water Reliability



Questions?



CONSENT
CALENDAR
ITEM

1H

Date: November 19, 2014

To: The Honorable Board of Directors

From: P. Joseph Grindstaff
General Manager 

Subject: Adoption of Resolution No. 2014-11-2, Commending Council Member Leonard Paulitz for His 36 Years of Service

RECOMMENDATION

It is recommended that the Board of Directors adopt Resolution No. 2014-11-2, commending Council Member Leonard Paulitz for his 36 years of service as a member of the Montclair City Council.

BACKGROUND

Council Member Leonard Paulitz is retiring from the Montclair City Council after 36 years of service. He was elected in 1978 to Montclair City Council, and has served eight years as Mayor Pro Tem. Council Member Paulitz has been involved in community service since he was first appointed to the Montclair Planning Commission in 1965.

Council Member Paulitz served the cities of San Bernardino County as a Governing Board member to the South Coast Air Quality Management District, Chair of the Technology Committee, Vice Chair of the Stationary Source Committee, and Board Representative to the California Fuel Cell Partnership. He also represents the Inland Empire Division on the League of California Cities Environmental Quality Committee.

By adoption of this Resolution, the Inland Empire Utilities Agency's Board of Directors extends its most sincere appreciation and best wishes to Council Member Leonard Paulitz for his years of dedicated service to the Montclair City Council and the County of San Bernardino.

PRIOR BOARD ACTION

None.

IMPACT ON BUDGET

None.

RESOLUTION NO. 2014-11-2

RESOLUTION OF THE BOARD OF DIRECTORS OF THE INLAND EMPIRE UTILITIES AGENCY*, SAN BERNARDINO COUNTY, CALIFORNIA, COMMENDING COUNCIL MEMBER LEONARD PAULITZ FOR HIS 36 YEARS OF SERVICE AS A MEMBER OF THE MONTCLAIR CITY COUNCIL

COUNCIL MEMBER LEONARD PAULITZ

WHEREAS, Council Member Paulitz was elected in 1978 to the Montclair City Council, and has served eight years as Mayor Pro Tem.

WHEREAS, Council Member Paulitz has been involved in community service since he was first appointed to the Montclair Planning Commission in 1965;

WHEREAS, Council Member Paulitz has also served as chair of the West Valley Airport Land Use Commission, representative on the I-10 Corridor Beautification Authority, primary member on the Board of SANBAG and OMNITRANS, as well as Major Project and Commuter Rail Committees;

WHEREAS, Council Member Paulitz served the cities of San Bernardino County as a Governing Board member to the South Coast Air Quality Management District, Chair of the Technology Committee, Vice Chair of the Stationary Source Committee, and Board Representative to the California Fuel Cell Partnership. He also represents the Inland Empire Division on the League of California Cities Environmental Quality Committee.

NOW, THEREFORE, BE IT RESOLVED, that the Inland Empire Utilities Agency's Board of Directors does hereby publicly extend its most sincere appreciation to Council Member Leonard Paulitz for his years of dedicated service to the Montclair City Council and the County of San Bernardino.

Adopted this 19th day of November, 2014.

INLAND EMPIRE UTILITIES AGENCY BOARD OF DIRECTORS

Terry Catlin, President

Michael Camacho, Vice President

Steven J. Elie, Secretary/Treasurer

Gene Koopman, Director

Jasmin A. Hall, Director

**a Municipal Water District*

ADOPTED this 19th day of November, 2014.

Terry Catlin, President of the Inland Empire
Utilities Agency* and of the Board of
Directors thereof

ATTEST:

Steven J. Elie, Secretary of the Inland Empire Utilities
Agency* and of the Board of Directors
Thereof

STATE OF CALIFORNIA)
)SS
COUNTY OF SAN BERNARDINO)

I, Steven J. Elie, Secretary of the Inland Empire Utilities Agency*, DO HEREBY CERTIFY that the foregoing Resolution being No. 2014-11-2, was adopted at a regular Board Meeting on November 19, 2014, of said Agency by the following vote:

AYES: Hall, Elie, Camacho, Koopman, Catlin

NOES: None

ABSTAIN: None

ABSENT: None

Steven J. Elie, Secretary

*A Municipal Water District


**CONSENT
CALENDAR
ITEM**


11


Date: November 19, 2014

To: The Honorable Board of Directors

Through: Engineering, Operations, and Biosolids Management Committee
(11/12/14)

From:  P. Joseph Grindstaff
General Manager

Submitted by: Chris Berch 
Executive Manager of Engineering/Assistant General Manager

Majid Karim 
Acting Manager of Engineering

Subject: Consulting Engineering Contract Amendment with RMC for
Montclair Lift Station Site Improvements and Additional
Services during Construction

RECOMMENDATION

It is recommended that the Board of Directors:

1. Approve the consulting engineering contract amendment to RMC for the Montclair Lift Station Upgrades, Project No. EN13054, for site improvements and additional services during construction for a not to exceed amount of \$120,234; and
2. Authorize the General Manager to execute the contract amendment.

BACKGROUND

The Montclair Lift Station Upgrades, Project No. EN13054, was designed by RMC and is currently under construction. Heavy construction activities are scheduled to begin in early January 2015. The Agency is also installing a communication tower at this critical non-reclaimable wastewater (NRW) site, with construction anticipated to start in April 2015. During recent site visits it was revealed that the new heating, ventilation and air conditioning (HVAC) units and location of the upcoming communication tower will further constrain the already limited maneuverability of maintenance vehicles. Maintenance staff utilizes a flatbed-mounted crane for pump removal and maintenance. The new proposed locations of the HVAC and tower will significantly impede the maneuverability for safe operation. Currently, the south end of the

site is graded to retain stormwater, which drains to the south and infiltrates into the ground within the site. The proposed site improvements will convert the existing ungraded area to allow the HVAC units and tower to be installed in locations that do not obstruct maintenance vehicle maneuverability, and significantly improve the accessibility for maintenance equipment ingress and egress. Additionally, site drainage improvements will be included to address the new paved area and maintain stormwater management of the site.

Under this amendment, RMC will conduct a preliminary assessment for stormwater management at the site. RMC will identify a proposed location for the communication tower and will overlay the appropriate turn movement area required for maneuvering the maintenance vehicle within the site. After a preferred option is selected, RMC will prepare design plans and specifications and will provide engineering services during construction.

The following is the proposed project schedule:

Task	Completion Date
Technical Memorandum	December 2014
Draft Design Submittal	February 2015
Final Design Submittal	March 2015

In addition to the site improvements, RMC is requesting additional compensation for engineering services during construction associated with the original engineering consulting contract. During the design phase unanticipated modifications were made to the HVAC system, radar level indicators, flow meter and associated piping. RMC is requesting compensation for engineering services during construction for this work.

The following are the proposed fees:

Task	Cost
Site Improvements	\$90,484
Additional Services During Construction	\$29,750
Total	\$120,234

The Montclair Lift Station Upgrades Project is part of Agency's Wastewater Management Business Goal to ensure that when expansion planning is triggered, design and construction can be completed to meet regulatory and growth needs in an expeditious, environmentally responsible and cost effective manner.

PRIOR BOARD ACTION

On August 15, 2012, the Board of Directors approved the Engineering Services Contract with RMC to provide consulting services for the Montclair Lift Station Upgrades, Project No. EN13054, for the not-to-exceed amount of \$367,389.

Consulting Engineering Contract Amendment for Montclair
Lift Station Upgrades for Site Improvements and Additional
Services during Construction
November 19, 2014
Page 3 of 3

IMPACT ON BUDGET

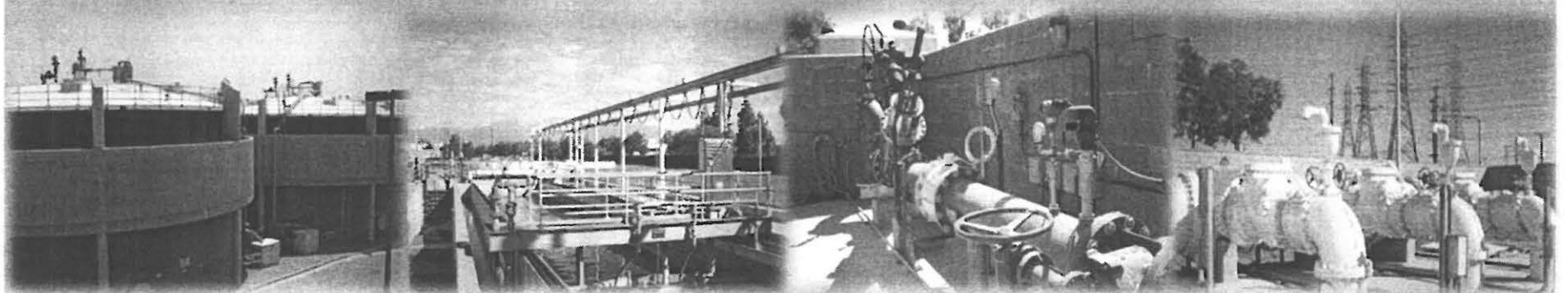
This amendment to the original contract between IEUA and RMC is in the amount of \$120,234 which is within the Project No. EN13054 total project budget of \$3,591,000 and FY 2014/15 budget of \$2,500,000 in the Regional Wastewater Operations and Maintenance (RO) Fund.

PJG:CB:MK:nm

Montclair Lift Station Upgrades Consulting Engineering Contract Amendment

Project No. EN13054

November 19, 2014



Inland Empire Utilities Agency

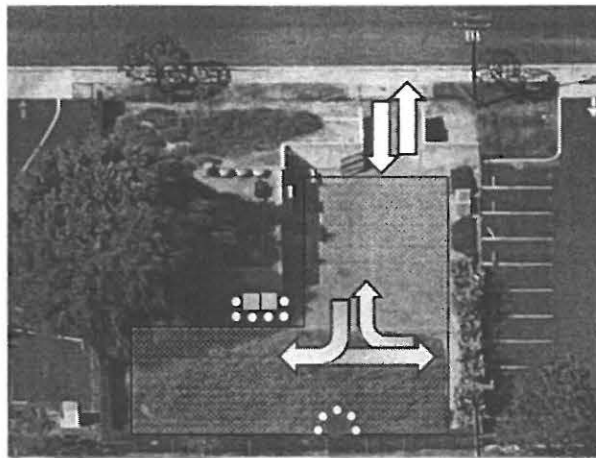
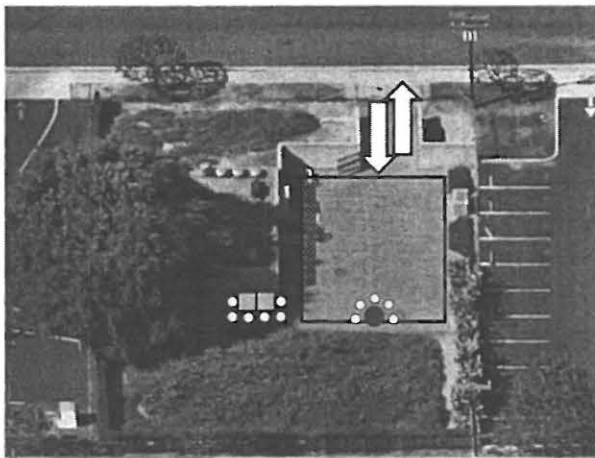
A MUNICIPAL WATER DISTRICT

Majid Karim, P.E.,
Acting Manager of Engineering

Nasrin Maleki, P.E.,
Senior Engineer

Project Background

- Two construction projects in progress at the Montclair Lift Station
 - Montclair Lift Station Upgrades
 - Montclair Lift Station Communication System
- New HVAC system and communication tower will obstruct maintenance vehicles
- Will relocate tower and provide suitable access for pump station maintenance
- Project Goals: Compliance, sensitivity to neighbors, and long-term operability



Montclair Lift Station – Limited Access

Montclair Lift Station – Improved Access

Flatbed Truck with Crane

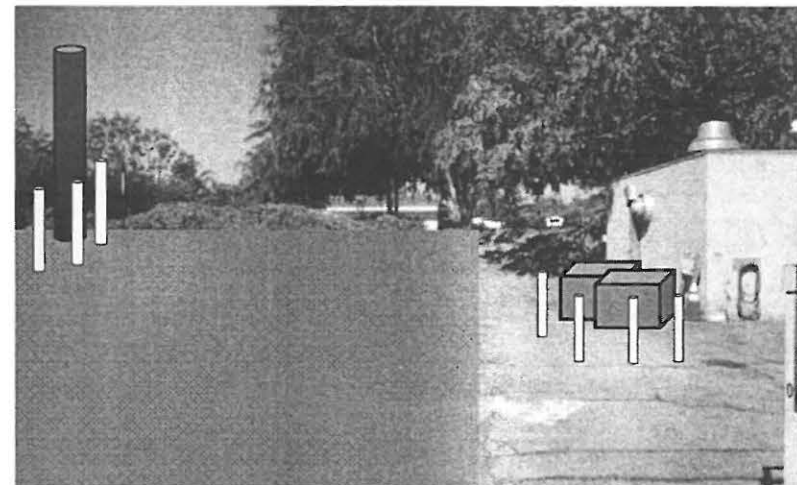
Available Area (**Green**), HVAC (**Blue**), Tower (**Purple**), Guard Posts (**Yellow**)

Contract Amendment

- Turn Movement Assessment for maintenance accessibility
- Redesign communication tower location (geotechnical, electrical, structural, etc.)
- Stormwater management design (hydrology and infiltration study, paving, etc.)
- Provide engineering services during construction



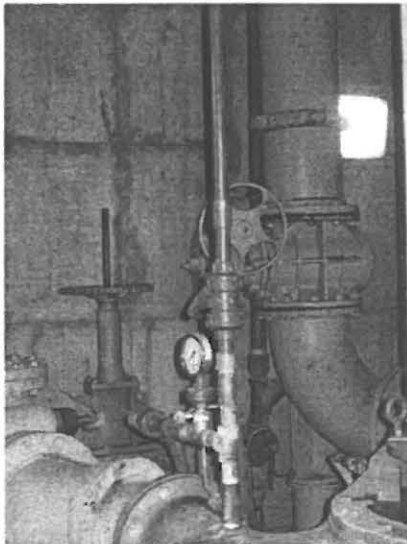
Unused Area - Shrub and Ungraded Fill



Proposed Relocation and Paving
Monopole (**Purple**), HVAC (**Blue**), Guard Posts (**Yellow**)
Proposed Paving (**Gray**)

Contract Amendment (Cont'd)

- Items added to the design to improve the project (crane, check valve, etc.)
- RMC modified the design with minimal impact to the schedule and budget
- These changes impact the cost for engineering services during construction
- Contract amendment will cover additional services during construction



Pressure Valve Assembly



Existing Pumps

Project Cost and Schedule

DESCRIPTION	COST
Site Improvements Design	\$90,484
Services During Construction	\$29,750
Total	\$120,234

TASK	COMPLETION
Technical Memorandum	January 2015
Final Design Submittal	March 2015
Construction Completion	October 2015

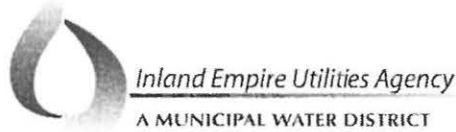
- * Construction cost estimate for site improvement is approximately \$120,000.
- * Recommend approval of the consulting engineering contract amendment for the not-to-exceed amount of \$120,234.

QUESTIONS?



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT



CONTRACT AMENDMENT NUMBER: 4600001238-005
FOR
MONTCLAIR LIFT STATION UPGRADES

AMENDMENT FIVE is made and entered into this ____ day of _____, 2014 by and between the Inland Empire Utilities Agency, a Municipal Water District, organized and existing in the County of San Bernardino under and by virtue of the laws of the State of California (hereinafter referred to as "Agency" and "IEUA"), and RMC Water and Environment, Inc. with offices located in Irvine, California (hereinafter referred to as "Consultant"), for the evaluation and recommendation of means to resolve the ragging problem at the Montclair Lift Station (referred to as "the Work ") and shall revise the Contract as amended:

REVISE SECTION FOUR, SCOPE OF WORK AND SERVICES, TO ADD:

Consultant shall furnish additional consulting services outlined in Consultant's proposal dated July 21, 2014, attached hereto, referenced herein, and made a part hereof as **Exhibit A**.

REVISE SECTION SIX, COMPENSATION, TO ADD:

Additional compensation in the amount of **\$67,880.00** is hereby authorized in accordance with Project Manager's approval and **Exhibit A**, attached hereto and made a part hereof. In compensation for the work represented by this contract amendment, Agency shall pay Consultant a NOT-TO-EXCEED maximum total of **\$526,921.17** for all services provided.

ALL OTHER PROVISIONS OF THIS CONTRACT REMAIN UNCHANGED.

WITNESSETH, that the parties hereto have mutually covenanted and agreed as per the above amendment items, and in doing so have caused this document to become incorporated into the Contract documents.

INLAND EMPIRE UTILITIES AGENCY:

RMC WATER AND ENVIRONMENT, INC.:

Warren T. Green
Manager of Contracts
and Facilities Services

(Date)

Scott Goldman
Sr. Vice President

(Date)

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Exhibit A



July 21, 2014

Nasrin Maleki, P.E.
Senior Engineer
Inland Empire Utilities Agency
6075 Kimball Avenue
Chino, CA 91708

Subject: Scope of Work and Fee Estimate for Montclair Lift Station Site Improvements Design

Dear Nasrin Maleki:

RMC Water and Environment (RMC) is pleased to submit the attached scope of work and fee estimate for design of site improvements at the Montclair Lift Station to facilitate maintenance vehicle access and maneuverability.

RMC appreciates your consideration for this project and looks forward to the opportunity to provide our services to the Inland Empire Utility Agency (Agency or IEUA). Please feel free to contact me at (213) 236-3668 with any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "RB", is written over a horizontal line.

Richard Bichette, P.E.
Senior Water Resources Engineer

Enclosures:

- Project Understanding and Scope of Work
- Fee Estimate

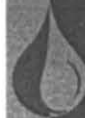


Exhibit A

PROJECT UNDERSTANDING

The Montclair Lift Station Upgrade project designed by RMC (Project No. EN13054) is currently under construction with heavy construction anticipated to begin at the site in November 2014. The Agency is also installing a communication tower at the site, with construction anticipated to start as early as August 2014. The proposed location of the communication tower and new HVAC units for the lift station will interfere with the maneuverability of maintenance vehicles needed to remove and maintain the equipment. In particular, a truck with a flatbed-mounted crane will need to be able to access the site for pump removal and turn around onsite rather than backing onto Philadelphia Street. The area on the southern portion of the existing site will need to be stripped, graded, and paved to allow for a crane to turn around onsite. These improvements will impact stormwater management on the site. The site is graded to retain stormwater, which drains to the southern portion of the site and infiltrates into the ground. The proposed site work will add impervious area to the site which will increase stormwater runoff, and remove pervious areas where stormwater currently infiltrates.

RMC will preliminarily assess stormwater management at the site, then develop options for paving to provide truck maneuverability and stormwater management. After selecting a preferred option with input of IEUA, RMC will prepare design plans and specifications for the site work and provide engineering services during construction.

SCOPE OF WORK

Our proposed scope of work is described below. The work will be billed under a new Task 11, Site Work Amendment under the existing Montclair Lift Station Upgrades Contract (Contract No. 4600001238 / EN13054).

Task 11: Site Design Amendment

Subtask 1 – Preliminary Assessment

Work for this subtask is divided among the following tasks:

Topographic Survey, Site Visit and Base Mapping

RMC will engage the services of Calvada, Inc. to conduct a topographic survey of the site and prepare base mapping. The survey will include existing improvements, utilities, trees, one foot contours, and site property lines.

After completion of the survey, RMC will add the following features to the survey base map:

- Proposed HVAC units, Southern California Edison transformer, and switchgear to be installed as part of the Montclair Lift Station Upgrades Project,

Exhibit A

- Proposed communication tower and protective bollards,
- Existing irrigation lines based on the original Montclair Lift Station Drawings.

This task will include a site visit by RMC to confirm site conditions such as drainage paths, adjacent constraints and to collect other information that will inform analysis and design.

Turn Movement Assessment

After the base-map has been developed with the proposed new features, RMC will overlay the appropriate turn movement area required for turning the maintenance vehicle (Ford L8000 with a Terex Crane mounted on a flatbed) around within the site area. Up to two options for the turn movement and subsequent paving will be submitted to the Agency (via email pdf) with a follow up conference call to decide on the location of area to be paved is determined.

Stormwater Evaluation

Once the size and location of the area that will need to be paved is identified, a stormwater assessment will be developed to identify the impacts associated with the additional impervious areas, including the following:

Hydrology. The existing retention capacity will be developed by intersecting a water surface at approximately 842 feet (ft) with existing topography and determining the volume of water that can be retained onsite under existing conditions. The elevation of 842 ft is based on the original Montclair Lift Station Drawings and will be updated based on the new topographic survey and datum. The retained volume will be compared with the water quality, 10-year, 25-year, 50-year and 100-year storm events volume to determine the existing stormwater capture capacity according to the *San Bernardino Hydrology Manual* (August 1986).

Infiltration. The infiltration capacity of the existing site will be examined using available soils maps and the area associated with infiltration during ponding. The reduced infiltration capacity after new paving will be developed based on an assumed linear relationship between area and infiltration. It will be determined at this time whether or not there will be impacts associated with the construction of the site design. A technical memorandum will be prepared to document the findings of the stormwater evaluation. **If it is determined that the impacts are negligible, the TM will document the methodology, analysis and results and Subtask 2 will not be necessary.** If impacts are not negligible and the additional runoff will result in off-site stormwater discharge or additional ponding time greater than 72-hours (ponding time greater than 72-hours creates vector issues), Subtask 2 will be required to mitigate the impacts

Exhibit A

Subtask 2 – Options Analysis and Data Collection for Stormwater Design (OPTIONAL)

If it is determined necessary to mitigate stormwater impacts due to the anticipated site design developed in Subtask 1, additional analysis will be conducted and field data collected.

Hydrogeological Feasibility

A formal desktop hydrogeological evaluation will be conducted to document the feasibility of constructing an infiltration facility and to assess if there are any potential adverse effects to adjacent properties due to subsurface infiltration from the site. It is noted that infiltration currently occurs at the site; however, as part of the due-diligence process, it will be necessary to document potential effects of any man-made structure that deliberately induces infiltration. The assessment will identify design constraints to include:

- Determine regional hydrogeological conditions and anticipated groundwater depths as high groundwater or aquitards would prevent adequate subsurface infiltration
- Determine if there are any drinking water supply wells in the area that may be affected by subsurface infiltration of any contaminants
- Determine if there are any geotechnical hazards that would be compounded due to infiltration
- Determine if there is any historical contamination that may be mobilized due to infiltration. It is assumed that the contamination associated with a leaky underground diesel storage tank was removed when that tank was removed.

Options Analysis

An options analysis will be conducted using the methodology developed in the *San Bernardino County Technical Guidance Manual for Water Quality Management Plans* (June 7, 2013) and the *California Stormwater Quality Association Stormwater Best Management Practice Handbook for New Development and Redevelopment* (January 2003). The options will include Best Management Practices (BMPs) designed to increase infiltration capacity to offset the reduced capacity due to the additional impervious area. The options will include different site designs (up to 2) to a concept level showing the placement and approximate size of different infiltration techniques. RMC will work with the Agency until an option is selected for design. Note that it is assumed that due to the small size of the redevelopment a Water Quality Management Plan (WQMP) will not be required to meet National Pollutant Discharge Elimination System (NPDES) requirements pursuant to the Santa Anna Regional Water Quality Control Board (RWQCB) permit for plan set approval or construction.

Data Collection and Parameter Analysis

Hydrogeological data will need to be collected at the selected infiltration location. Trenches will need to be dug and logged for lithology to approximately 10 feet below-ground-surface (bgs). Grab samples will need to be collected during the trenching for submittal to a

Exhibit A

laboratory for sieve analysis (anticipated to be 10 samples total). At least 2 percolation tests will need to be conducted at the depth of infiltration. Activities will be able to be completed within one working day and require a backhoe with at least a 10 foot arm, a backhoe operator, a field geologist and a field technician. It has been assumed for budgeting purposes that IEUA will provide the backhoe and operator that will have a health and safety plan in place as well as all requirements and permits such as contacting DigAlert.

The sieve analysis will be used to confirm lithologic descriptions and to determine approximate hydraulic conductivity values for different materials. The percolation data will be used to determine the approximate infiltration rate using the Porchet Method. The information will be used for infiltration facilities final design.

Prepare TM and Review Meeting

RMC will prepare a basis of design TM for Agency review. The TM will include a summary of the data collected, the methodology, the analysis and the results of all work performed. RMC will attend one meeting with Agency staff to present and discuss the TM. It is assumed that the TM will not be revised and any comments will be addressed in the Design Documents.

Subtask 3 – Design Documents

The work of this subtask will include development of design drawings and specifications suitable for construction by a Contractor. Design documents will be submitted twice (draft final and final) to expedite the schedule. It is assumed the Agency will contract with a Contractor on its pre-approved on call list or construct the work as a change order to the Montclair Lift Station Upgrades project. It is also assumed that the Agency will obtain all permits and interact with all governing entities such as the City of Ontario.

Design Drawings

Drawings will be prepared based on the recommended solution for site paving and stormwater management.

The following is a preliminary list of drawings for the project.

- G-1: Cover Page
- G-2: General Notes, Legend and Abbreviations
- C-1: Site Paving, Grading and Drainage Plan
- C-2: Notes and Details (additional sheet if necessary)

Exhibit A

Specifications

RMC will prepare technical specifications in CSI Division 2 through 16 format or provide the applicable specifications on the Drawings. The Agency will be responsible for any Front End or bidding documents.

Cost Estimate

RMC will prepare a Class 2 engineers cost estimate for the proposed site work.

Subtask 4 - Engineering Services During Construction

RMC will provide engineering support during construction including review of requests for information (RFIs), review of submittals and responding to questions by Agency inspectors. The budget includes 24 hours of RMC staff assistance during construction. RMC will prepare as-built drawings based on a single set of redline drawings provided by the Agency.

Assumptions

- *Landscaping plans will not be included. Any landscaping improvements, if necessary, will be performed or overseen by the Agency separately.*
- *Permit requirements for the work will be confirmed by the Agency. Permitting is not part of this scope of work.*
- *It is assumed the diesel storage tank was removed and onsite soils are not contaminated or require special disposal. IEUA will confirm.*
- *The proposed scope and fee does not include design of retaining walls. It is assumed that the site can be graded using a combination of earthen berms and standard concrete curbs up to 18-inches tall.*

SCHEDULE

- TM – 4 weeks from NTP
- Draft Design Submittal – 4 weeks from TM Review Meeting
- Final Design Submittal – 2 weeks from Receipt of Draft Design Comments

FEE ESTIMATE

The proposed fee for this work is \$45,430 without the Optional Subtask 2 and \$67,880 with Optional Subtask 2. Both fee estimates are time and materials not to exceed. Please refer to Attachment 1 for a detailed fee estimate.



Fee Estimate

Attachment 1 - Fee Estimate

Inland Empire Utilities Agency

Task 11: Site Design Amendment

Exhibit A

Tasks	Labor						Total Hours	Total Labor Costs (1)	Outside Services			Subcontractors Total Cost (3)	Total Fee	
	Executive	Project Manager	Project Engineer	Steno-typist	Draftsman	Admin			Cartography	Geotech	Subtotal			
	Mike Matson	Rich Bichette	Bert Ly	Paul Glenn	CAD				SUB	SUB	10%			
Subtask 1: Preliminary Assessment	\$265	\$195	\$145	\$195	\$125	\$95								
Topographic Survey, Site Visit and Base Mapping		12	8	8	12	1	41	\$6,655	\$4,200		\$4,200	\$420	\$4,620	\$11,275
Turn Movement Assessment		2	4		8		14	\$1,970			\$0	\$0	\$0	\$1,970
Stormwater Evaluation and Memo	1	1	16	8	4	1	31	\$4,835			\$0	\$0	\$0	\$4,835
Subtotal Task 1	1	15	28	18	24	2	86	\$13,560	\$4,200	\$0	\$4,200	\$420	\$4,620	\$18,180
Subtask 2 (Optional): Options Analysis and Data Collection for SW Design														
Hydrogeological Feasibility		1	16	8			25	\$4,075			\$0	\$0	\$0	\$4,075
Options Analysis		1	8	8	6		25	\$3,915			\$0	\$0	\$0	\$3,915
Data Collection and Parameter Analysis		1	16	12			29	\$4,855		\$1,950	\$1,950	\$195	\$2,145	\$7,000
TM and Review Meeting	1	8	24	8	4	1	46	\$7,460			\$0	\$0	\$0	\$7,460
Subtotal Task 2	1	11	64	38	12	1	125	\$20,305	\$0	\$1,950	\$1,950	\$195	\$2,145	\$22,450
Subtask 3: Design Documents														
Design Drawings	1	16	24	8	40		89	\$13,425			\$0	\$0	\$0	\$13,425
Specifications	1	4	12	4			21	\$3,565			\$0	\$0	\$0	\$3,565
Cost Estimate	1	2	8	2			13	\$2,205			\$0	\$0	\$0	\$2,205
Subtotal Task 3	3	22	44	14	40	0	123	\$19,195	\$0	\$0	\$0	\$0	\$0	\$19,195
Subtask 4: Engineering Services During Construction														
Engineering Services During Construction		8	24	4			36	\$5,820			\$0	\$0	\$0	\$5,820
As-Built Drawings	1	2	4		8		15	\$2,235			\$0	\$0	\$0	\$2,235
Subtotal Task 4	1	10	28	4	8	0	51	\$8,055	\$0	\$0	\$0	\$0	\$0	\$8,055
TOTAL	6	50	104	54	64	3	282	\$41,115	\$4,200	\$1,950	\$4,200	\$420	\$4,620	\$49,885
TOTAL, without Option	5	47	100	54	62	2	266	\$40,810	\$4,200	\$0	\$4,200	\$420	\$4,620	\$49,430

1. The individual hourly rates include salary, overhead and profit.
2. Subcontractants will be billed at actual cost plus 10%.
3. Other direct costs (ODCs) such as reproduction, delivery, mileage (rates will be those allowed by current IRS guidelines), and travel expenses, will be billed at actual cost plus 10%.
4. RMC reserves the right to adjust its hourly rate structure and ODC markup at the beginning of the calendar year for all ongoing contracts.



**CONTRACT AMENDMENT NUMBER: 4600001238-005
FOR
MONTCLAIR LIFT STATION UPGRADES**

AMENDMENT FIVE is made and entered into this ____ day of _____, 2014 by and between the Inland Empire Utilities Agency, a Municipal Water District, organized and existing in the County of San Bernardino under and by virtue of the laws of the State of California (hereinafter referred to as "Agency" and "IEUA"), and RMC Water and Environment, Inc. with offices located in Irvine, California (hereinafter referred to as "Consultant"), for the evaluation and recommendation of means to resolve the ragging problem at the Montclair Lift Station (referred to as "the Work ") and shall revise the Contract as amended:

REVISE SECTION FOUR, SCOPE OF WORK AND SERVICES, TO ADD:

Consultant shall furnish additional consulting services outlined in Consultant's proposal dated July 21, 2014, attached hereto, referenced herein, and made a part hereof as **Exhibit A**.

REVISE SECTION SIX, COMPENSATION, TO ADD:

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ALL OTHER PROVISIONS OF THIS CONTRACT REMAIN UNCHANGED.

WITNESSETH, that the parties hereto have mutually covenanted and agreed as per the above amendment items, and in doing so have caused this document to become incorporated into the Contract documents.

INLAND EMPIRE UTILITIES AGENCY:

RMC WATER AND ENVIRONMENT, INC.:

Warren T. Green
Manager of Contracts
and Facilities Services

(Date)

Scott Goldman
Sr. Vice President

(Date)

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Exhibit A



July 21, 2014

Nasrin Maleki, P.E.
Senior Engineer
Inland Empire Utilities Agency
6075 Kimball Avenue
Chino, CA 91708

Subject: Scope of Work and Fee Estimate for Montclair Lift Station Site Improvements Design

Dear Nasrin Maleki:

RMC Water and Environment (RMC) is pleased to submit the attached scope of work and fee estimate for design of site improvements at the Montclair Lift Station to facilitate maintenance vehicle access and maneuverability.

RMC appreciates your consideration for this project and looks forward to the opportunity to provide our services to the Inland Empire Utility Agency (Agency or IEUA). Please feel free to contact me at (213) 236-3668 with any questions.

Sincerely,

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Richard Bichette, P.E.
Senior Water Resources Engineer

Enclosures:

- Project Understanding and Scope of Work
- Fee Estimate



Exhibit A

PROJECT UNDERSTANDING

The Montclair Lift Station Upgrade project designed by RMC (Project No. EN13054) is currently under construction with heavy construction anticipated to begin at the site in November 2014. The Agency is also installing a communication tower at the site, with construction anticipated to start as early as August 2014. The proposed location of the communication tower and new HVAC units for the lift station will interfere with the maneuverability of maintenance vehicles needed to remove and maintain the equipment. In particular, a truck with a flatbed-mounted crane will need to be able to access the site for pump removal and turn around onsite rather than backing onto Philadelphia Street. The area on the southern portion of the existing site will need to be stripped, graded, and paved to allow for a crane to turn around onsite. These improvements will impact stormwater management on the site. The site is graded to retain stormwater, which drains to the southern portion of the site and infiltrates into the ground. The proposed site work will add impervious area to the site which will increase stormwater runoff, and remove pervious areas where stormwater currently infiltrates.

RMC will preliminarily assess stormwater management at the site, then develop options for paving to provide truck maneuverability and stormwater management. After selecting a preferred option with input of IEUA, RMC will prepare design plans and specifications for the site work and provide engineering services during construction.

SCOPE OF WORK

Our proposed scope of work is described below. The work will be billed under a new Task 11, Site Work Amendment under the existing Montclair Lift Station Upgrades Contract (Contract No. 4600001238 / EN13054).

Task 11: Site Design Amendment

Subtask 1 – Preliminary Assessment

Work for this subtask is divided among the following tasks:

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Exhibit A

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This task will include a site visit by RMC to confirm site conditions such as drainage paths, adjacent constraints and to collect other information that will inform analysis and design.

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Stormwater Evaluation

Once the size and location of the area that will need to be paved is identified, a stormwater assessment will be developed to identify the impacts associated with the additional impervious areas, including the following:

Hydrology. The existing retention capacity will be developed by intersecting a water surface at approximately 842 feet (ft) with existing topography and determining the volume of water that can be retained onsite under existing conditions. The elevation of 842 ft is based on the original Montclair Lift Station Drawings and will be updated based on the new topographic survey and datum. The retained volume will be compared with the water quality, 10-year, 25-year, 50-year and 100-year storm events volume to determine the existing stormwater capture capacity according to the *San Bernardino Hydrology Manual* (August 1986).

Infiltration. The infiltration capacity of the existing site will be examined using available soils maps and the area associated with infiltration during ponding. The reduced infiltration capacity after new paving will be developed based on an assumed linear relationship between area and infiltration. It will be determined at this time whether or not there will be impacts associated with the construction of the site design. A technical memorandum will be prepared to document the findings of the stormwater evaluation. **If it is determined that the impacts are negligible, the TM will document the methodology, analysis and results and Subtask 2 will not be necessary.** If impacts are not negligible and the additional runoff will result in off-site stormwater discharge or additional ponding time greater than 72-hours (ponding time greater than 72-hours creates vector issues), Subtask 2 will be required to mitigate the impacts

Exhibit A

Subtask 2 – Options Analysis and Data Collection for Stormwater Design (OPTIONAL)

If it is determined necessary to mitigate stormwater impacts due to the anticipated site design developed in Subtask 1, additional analysis will be conducted and field data collected.

Hydrogeological Feasibility

A formal desktop hydrogeological evaluation will be conducted to document the feasibility of constructing an infiltration facility and to assess if there are any potential adverse effects to adjacent properties due to subsurface infiltration from the site. It is noted that infiltration currently occurs at the site; however, as part of the due-diligence process, it will be necessary to document potential effects of any man-made structure that deliberately induces infiltration. The assessment will identify design constraints to include:

- Determine regional hydrogeological conditions and anticipated groundwater depths as high groundwater or aquitards would prevent adequate subsurface infiltration
- Determine if there are any drinking water supply wells in the area that may be affected by subsurface infiltration of any contaminants
- Determine if there are any geotechnical hazards that would be compounded due to infiltration
- Determine if there is any historical contamination that may be mobilized due to infiltration. It is assumed that the contamination associated with a leaky underground diesel storage tank was removed when that tank was removed.

Options Analysis

An options analysis will be conducted using the methodology developed in the *San Bernardino County Technical Guidance Manual for Water Quality Management Plans* (June 7, 2013) and the *California Stormwater Quality Association Stormwater Best Management Practice Handbook for New Development and Redevelopment* (January 2003). The options will include Best Management Practices (BMPs) designed to increase infiltration capacity to offset the reduced capacity due to the additional impervious area. The options will include different site designs (up to 2) to a concept level showing the placement and approximate size of different infiltration techniques. RMC will work with the Agency until an option is selected for design. Note that it is assumed that due to the small size of the redevelopment a Water Quality Management Plan (WQMP) will not be required to meet National Pollutant Discharge Elimination System (NPDES) requirements pursuant to the Santa Anna Regional Water Quality Control Board (RWQCB) permit for plan set approval or construction.

Data Collection and Parameter Analysis

Hydrogeological data will need to be collected at the selected infiltration location. Trenches will need to be dug and logged for lithology to approximately 10 feet below-ground-surface (bgs). Grab samples will need to be collected during the trenching for submittal to a

Exhibit A

laboratory for sieve analysis (anticipated to be 10 samples total). At least 2 percolation tests will need to be conducted at the depth of infiltration. Activities will be able to be completed within one working day and require a backhoe with at least a 10 foot arm, a backhoe operator, a field geologist and a field technician. It has been assumed for budgeting purposes that IEUA will provide the backhoe and operator that will have a health and safety plan in place as well as all requirements and permits such as contacting DigAlert.

The sieve analysis will be used to confirm lithologic descriptions and to determine approximate hydraulic conductivity values for different materials. The percolation data will be used to determine the approximate infiltration rate using the Porchet Method. The information will be used for infiltration facilities final design.

Prepare TM and Review Meeting

RMC will prepare a basis of design TM for Agency review. The TM will include a summary of the data collected, the methodology, the analysis and the results of all work performed. RMC will attend one meeting with Agency staff to present and discuss the TM. It is assumed that the TM will not be revised and any comments will be addressed in the Design Documents.

Subtask 3 – Design Documents

The work of this subtask will include development of design drawings and specifications suitable for construction by a Contractor. Design documents will be submitted twice (draft final and final) to expedite the schedule. It is assumed the Agency will contract with a Contractor on its pre-approved on call list or construct the work as a change order to the Montclair Lift Station Upgrades project. It is also assumed that the Agency will obtain all permits and interact with all governing entities such as the City of Ontario.

Design Drawings

Drawings will be prepared based on the recommended solution for site paving and stormwater management.

The following is a preliminary list of drawings for the project.

- G-1: Cover Page
- G-2: General Notes, Legend and Abbreviations
- C-1: Site Paving, Grading and Drainage Plan
- C-2: Notes and Details (additional sheet if necessary)

Exhibit A

Specifications

RMC will prepare technical specifications in CSI Division 2 through 16 format or provide the applicable specifications on the Drawings. The Agency will be responsible for any Front End or bidding documents.

Cost Estimate

RMC will prepare a Class 2 engineers cost estimate for the proposed site work.

Subtask 4 - Engineering Services During Construction

RMC will provide engineering support during construction including review of requests for information (RFIs), review of submittals and responding to questions by Agency inspectors. The budget includes 24 hours of RMC staff assistance during construction. RMC will prepare as-built drawings based on a single set of redline drawings provided by the Agency.

Assumptions

- *Landscaping plans will not be included. Any landscaping improvements, if necessary, will be performed or overseen by the Agency separately.*
- *Permit requirements for the work will be confirmed by the Agency. Permitting is not part of this scope of work.*
- *It is assumed the diesel storage tank was removed and onsite soils are not contaminated or require special disposal. IEUA will confirm.*
- *The proposed scope and fee does not include design of retaining walls. It is assumed that the site can be graded using a combination of earthen berms and standard concrete curbs up to 18-inches tall.*

SCHEDULE

- TM – 4 weeks from NTP
- Draft Design Submittal – 4 weeks from TM Review Meeting
- Final Design Submittal – 2 weeks from Receipt of Draft Design Comments

FEE ESTIMATE

The proposed fee for this work is \$45,430 without the Optional Subtask 2 and \$67,880 with Optional Subtask 2. Both fee estimates are time and materials not to exceed. Please refer to Attachment 1 for a detailed fee estimate.



Fee Estimate

Attachment 1 - Fee Estimate
 Inland Empire Utilities Agency
 Task 11: Site Design Amendment

Exhibit A

Tasks	Labor						Total Hours	Total Labor Costs (1)	Outside Services				Total Fee	
	GC Engineer	Project Manager	Project Engineer	Site Worker	Drafts	Admin			Calverts	Geotech	Subtotal	Sub Markup		Sub Consultant Total Cost (2)
	Mike Matson	Rich Bichette	Bert Ly	Paul Glenn	CAD				SUB	SUB		10%		
Subtask 1: Preliminary Assessment														
Topographic Survey, Site Visit and Base Mapping		12	8	8	12	1	41	\$6,855	\$4,200		\$4,200	\$420	\$4,620	\$11,275
Turn Movement Assessment		2	4		8		14	\$1,970			\$0	\$0	\$0	\$1,970
Stormwater Evaluation and Memo	1	1	18	8	4	1	31	\$4,835			\$0	\$0	\$0	\$4,835
Subtotal Task 1	1	15	28	16	24	2	86	\$13,560	\$4,200	\$0	\$4,200	\$420	\$4,620	\$18,180
Subtask 2 (Optional): Options Analysis and Data Collection for SW Design														
Hydrogeological Feasibility		1	18	8			25	\$4,075			\$0	\$0	\$0	\$4,075
Options Analysis		1	8	8	8		25	\$3,915			\$0	\$0	\$0	\$3,915
Data Collection and Parameter Analysis		1	18	12			29	\$4,855		\$1,950	\$1,950	\$195	\$2,145	\$7,000
TM and Review Meeting	1	8	24	8	4	1	48	\$7,480			\$0	\$0	\$0	\$7,480
Subtotal Task 2	1	11	64	36	12	1	125	\$20,305	\$0	\$1,950	\$1,950	\$195	\$2,145	\$22,450
Subtask 3: Design Documents														
Design Drawings	1	16	24	6	40		89	\$13,425			\$0	\$0	\$0	\$13,425
Specifications	1	4	12	4			21	\$3,585			\$0	\$0	\$0	\$3,585
Cost Estimate	1	2	8	2			13	\$2,205			\$0	\$0	\$0	\$2,205
Subtotal Task 3	3	22	44	14	40	0	123	\$19,195	\$0	\$0	\$0	\$0	\$0	\$19,195
Subtask 4: Engineering Services During Construction														
Engineering Services During Construction		8	24	4			36	\$5,820			\$0	\$0	\$0	\$5,820
As-Built Drawings	1	2	4		8		15	\$2,235			\$0	\$0	\$0	\$2,235
Subtotal Task 4	1	10	28	4	8	0	51	\$8,055	\$0	\$0	\$0	\$0	\$0	\$8,055
TOTAL	6	52	114	40	84	1	265	\$31,115	\$4,200	\$1,950	\$6,200	\$620	\$6,820	\$38,935
100% Above Bidder	8	47	100	34	88	2	265	\$40,813	\$6,200	\$1,950	\$8,200	\$820	\$9,020	\$49,433

1. The individual hourly rates include salary, overhead and profit.
 2. Subconsultants will be billed at actual cost plus 10%.
 3. Other direct costs (ODCs) such as reproduction, delivery, mileage (rates will be those allowed by current IRS guidelines), and travel expenses, will be billed at actual cost plus 10%.
 4. RMC reserves the right to adjust its hourly rate structure and ODC markup at the beginning of the calendar year for all ongoing contracts.


**CONSENT
CALENDAR
ITEM**


1J


Date: November 19, 2014

To: The Honorable Board of Directors

Through: Engineering, Operations, and Biosolids Management Committee
(11/12/14)

From:  P. Joseph Grindstaff
General Manager

Submitted by: Chris Berch 
Executive Manager of Engineering/Assistant General Manager

Majid Karim 
Acting Manager of Engineering

Subject: Engineering Services Contract Amendment for the Wineville
Extension Recycled Water Pipeline

RECOMMENDATION

It is recommended that the Board of Directors:

1. Approve two amendments to the engineering services contract with GHD, Inc. (Winzler and Kelly) for the additional consulting services for the Wineville Extension Recycled Water Pipeline, Segments A and B, Project Nos. EN06025 and EN13045, for the not-to-exceed amount of \$170,055; and
2. Authorize the General Manager to execute the consultant contract amendments.

BACKGROUND

In February 2011, GHD, Inc. was awarded the contract to provide consulting engineering services for the Wineville Extension Recycled Water Pipeline (Segments A & B). The design for both segments was completed in March 2014. The construction bid for Segment B was advertised in November 2013, and the construction bid for Segment A was advertised in March 2014. The construction contract for Segment B was awarded to Mike Bubalo in May 2014, while the construction contract for Segment A was awarded to CCL Contracting in June 2014.

Construction Services Support Amendment

GHD has been working closely with IEUA staff throughout the bid and construction phases of the Wineville Extension Recycled Water Pipeline Projects. During that time, GHD has incurred additional costs outside existing budget. Despite this, GHD has proceeded in good faith to avoid interruption in the execution of the project. To date, GHD has utilized the majority of the contract budget for submittal reviews and preparation of responses to Requests for Information (RFIs). More of these tasks will be required from GHD to complete the project, in addition to their attendance of field meetings during construction. Staff recognizes GHD's original services contract amount is inadequate to provide the demanded services during construction. In September 2014 GHD requested additional compensation for the remaining construction support services. In September 2014, GHD requested additional compensation towards providing construction support services prior to the existing budget being exhausted that may negatively impact the project and may potentially interrupt service during construction.

Additionally, a discrepancy in GHD's budget allocation for record drawings was discovered. The total number of drawings has increased from the original amount. As a result, GHD is requesting an additional \$90,135 for the additional construction support services including: associated labor, quality assurance and control measures, reprographics costs, and providing Engineer's opinion on all changes to the construction contract.

Value Engineering Amendment

Mike Bubalo, the contractor for the Wineville Extension Recycled Water Pipeline Segment B Project, initiated a Value Engineering (VE) proposal to relocate a section of the recycled water pipeline with the objective of shortening the overall length pipeline in the City of Fontana. This proposed shift in the alignment would relocate the pipeline from existing paved roadways to an easement presently occupied by Southern California Edison transmission lines, (with the exception of a short segment of north-south Banana Avenue north of Marlay Avenue). Implementing the proposed change will reduce the Segment B pipeline length by approximately 2,500 linear feet.

GHD was requested to submit a cost proposal for additional scope of services needed to integrate the work products provide final phase design deliverables associated with the proposed VE. GHD provided the Agency with a detailed proposal for a not to exceed amount of \$79,920. The additional services will include providing an engineering re-design of the alignment and will cover necessary construction support services costs. Mike Bubalo agreed to the total value of GHD's proposal. The additional services will only be utilized if IEUA moves forward with the VE alternative.

Overall, GHD's total fees, including the proposed amendments, are acceptable and within industry standards. GHD has been performing well for the Agency and has been responsive throughout the various stages of the projects.

The Wineville Extension Recycled Water Pipeline project is part of the Agency's Water Reliability Business Goal to develop and implement an integrated water resource management plan that promotes cost-effective, reliable, efficient, and sustainable water use along with economic growth within the IEUA Service Area.

The project is funded by a State Revolving Fund (SRF) Loan and grants from the State Water Resource Control Board (SWRCB). The SRF Loan and grant application have been approved by the SWRCB.

The following is the project schedule:

PROJECT PHASE	DATE
Construction Contract Award Segment B	May 2014
Construction Contract Award Segment A	June 2014
Construction Completion	July 2015

PRIOR BOARD ACTION

On June 18, 2014, the Board of Directors approved the award of the construction contract for the Wineville Extension Recycled Water Pipeline, Segment A, Project No. EN06025, to CCL Contracting, Inc.

On May 21, 2014, the Board of Directors approved the award of the construction contract for the Wineville Extension Recycled Water Pipeline, Segment B, Project No. EN13045, to Mike Bubalo Construction.

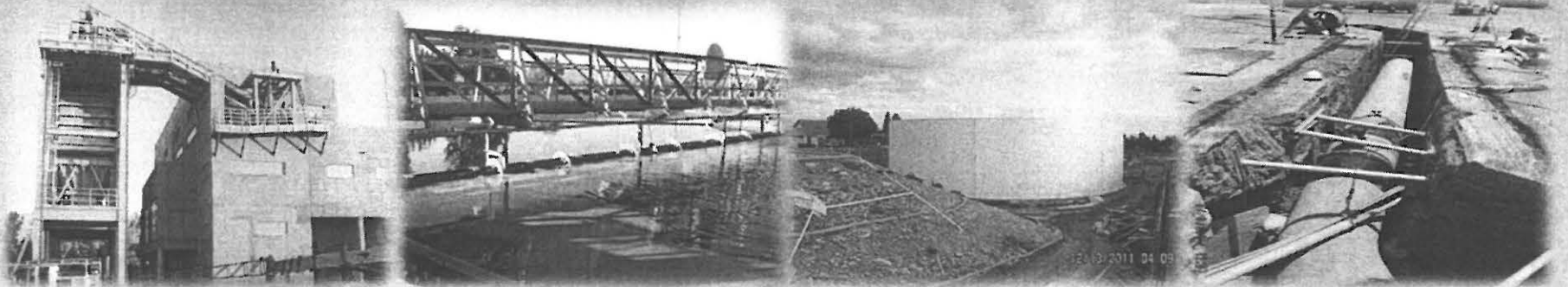
On December 19, 2007, the Board of Directors approved the Recycled Water Three Year Business Plan.

IMPACT ON BUDGET

If approved, GHD's contract will be increased by \$170,055 and supported by Project Nos. EN06025 and EN13045 FY 2014/15 appropriation of \$3,200,000 and \$3,000,000, respectively budgeted in the Recycled Water (WC) Fund. Assuming the Value Engineering proposal is approved, an estimated amount of \$150,000 is projected to be expended this fiscal year and the remaining contract amount of \$20,055 in FY 2015/16.

PJG:CB:MK:aa

Wineville Extension Recycled Water Pipeline Engineering Services Contract Amendments Projects No. EN13045 and EN06025 November 2014



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

Majid Karim, P.E.,
Acting Manager of Engineering

Adham Almasri,
Senior Engineer

Project Background

- SRF loan/grant application approved 03-2013
- Received 7 bids out of a list of 14 pre-qualified bidders
 - Successful bidder for Segment A – CCL Contracting, Inc.
 - Successful bidder for Segment B - Mike Bubalo Construction
- GHD provided all design services and is providing all engineering services during construction
- Segment B - Contractor proposed a Value Engineering change

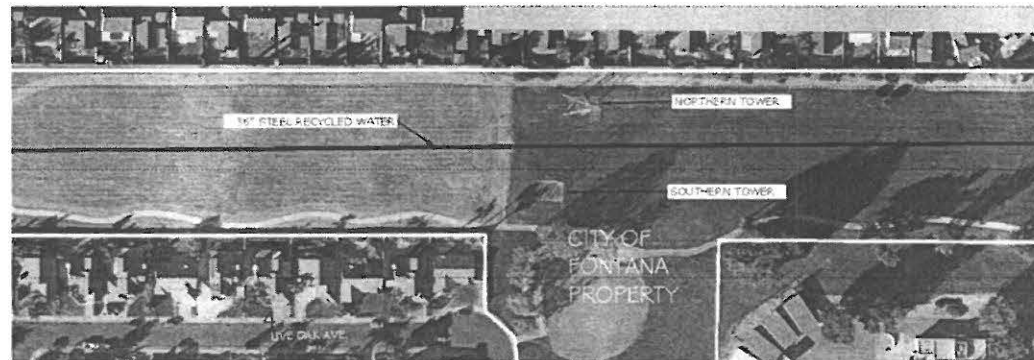


GHD Contract Amendment for Services During Construction

- GHD is providing engineering services during construction for both segments A and B
- During design of the projects, the number of plan sheets increased significantly
 - Some of the impacts due to the increased sheets are:
 - Additional shop drawing reviews
 - Additional work with preparing As-Builts
 - Potential increase in RFI's and RFD's
 - Provide Engineer's support on all contract deviations
- Additional \$90,000 impact to budget to completion of the project

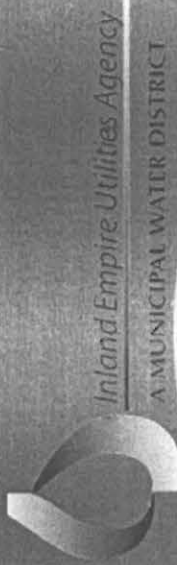
Value Engineering (VE) Amendment

- This request for additional funding will only be implemented if the Board approves the proposed VE by the contractor
- Design and construction support services for new alignment (\$80,000)
- New proposal alignment to be re-designed will reduce the pipe length by 12,500 L.F.
- Potential of less impact to public and reduction in construction cost
- No objections: Fontana and FWC



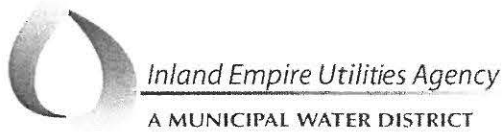
Project Schedule

PROJECT PHASE	DATE
Construction Contract Award Segment A	May 2014
Construction Contract Award Segment B	June 2014
Construction Completion (Both Segments)	July 2015



Questions?





AMENDMENT NUMBER: 4600001194-010

FOR

WINEVILLE EXTENSION RECYCLED WATER

PIPELINE SEGMENT B, PROJECT No. EN13045.00

THIS AMENDMENT NUMBER TEN to Contract Number 4600001194 is made and entered into this ____ day of _____, 2014 by and between the Inland Empire Utilities Agency, a Municipal Water District, organized and existing in the County of San Bernardino under and by virtue of the laws of the State of California (hereinafter referred to as "Agency") and GHD, Inc., a California Corporation (hereinafter referred to as "Consultant"), for professional engineering services to provide design engineering services for the Wineville Extension Recycled Water Pipeline Segment B, and shall revise the Contract as amended:

REVISE SECTION 4., SCOPE OF WORK AND SERVICES TO ADD THE FOLLOWING ITEM:

Provide additional engineering design services in relation to the scope of work depicted in the Consultant's proposal, attached hereto as **Exhibit A**. Additional scope of work and services are in accordance with Consultant's proposal dated September 16, 2014, incorporated herein as **Exhibit A** and made a part hereof by this reference.

Note: Consultant is responsible for providing construction support services related to the items under **Exhibit A**.

REVISE SECTION 6., COMPENSATION, THIRD PARAGRAPH, TO ADD:

In compensation for the additional work represented by this contract amendment, Agency shall pay Consultant a NOT-TO-EXCEED maximum total of **\$1,069,748.00** for all services provided basis the combined valuation of previously-novated Contract 460000873 (and all germane Amendments) as well as assigned Contract 4600001194 (and all germane Amendments.)

(Note: This amendment represents a net increase of **\$79,920.00** to the Contract.)

STATE WATER RESOURCES CONTROL BOARD (SWRCB) – STATE REVOLVING FUND (SRF) LOAN AND GRANT REQUIREMENTS PROVIDED IN ORIGINAL CONTRACT ARE SUPERCEDED BY ATTACHMENT 1, ENCLOSED HEREIN AND

MADE A PART HEREOF. Please note that the documents that have highlighting are the parts of the documents that have changed since the grant language was included in the request for bids. These changes are due to the addition of the Prop 84 grant as a partial funding source along with the SRF loan and grant.

ALL OTHER PROVISIONS OF THIS CONTRACT REMAIN UNCHANGED.

WITNESSETH, that the parties hereto have mutually covenanted and agreed as per the above amendment items, and in doing so have caused this document to become incorporated into the Contract documents.

INLAND EMPIRE UTILITIES AGENCY:

GHD, INC.:

P. Joseph Grindstaff (Date)
General Manager



Paul Hermann (Date)
Service Group Manager

9/25/14

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Exhibit A



September 16, 2014

Mr. Adham Almasri
Senior Engineer
Inland Empire Utilities Agency
6075 Kimball Ave
Chino, CA, 91708

RE: Proposal for Additional Design Services – Wineville Extension Recycled Water Pipeline
Segment B Value Engineering Services

Dear Mr. Almasri,

At your request, GHD is pleased to submit this proposal for additional design services for the Wineville Extension Recycled Water Pipeline project.

BACKGROUND

Mike Bubalo Construction (Contractor) initiated a Value Engineering proposal to relocate a section of the Wineville Recycled Water Pipeline, Segment B with the objective of shortening the overall Pipeline route in the Southridge portion of the City of Fontana. This proposed shift in the alignment would remove the alignment from existing paved roadways (with the exception of a short segment of north-south Banana Avenue north of Marlay Avenue) and transfer the recycled water pipeline to an easement presently occupied by Southern California Edison transmission lines.

IEUA staff evaluated the Value Engineering proposal and determined that it will reduce the total cost of construction and will minimize the impact on the public. Implementing the change in the proposal will reduce the Segment B pipeline length by approximately 2,500 linear feet. Staff presented the proposal to the City of Fontana, Fontana Water Company and SCE and there were no objections to implementing the changes in attribution to the proposal.

SCOPE OF WORK

GHD proposes to integrate the work products associated with the additional scope of services identified below into the Final Phase Design Deliverables. Consultant will provide the following scope of services for the revised project:

Task 1 – Value Engineering (VE) Design Services

Task 1.A – Independent VE Construction Cost Review

GHD will prepare an independent construction cost estimate parallel to that provided by the Contractor. The two estimates will then be reviewed and the total estimated VE cost savings will be analyzed. The results of the review will be provided to IEUA in a brief technical memorandum.

Task 1.B – Meetings

GHD will attend meetings to discuss progress of the design, review key design issues, submittals, and subsequent IEUA comments. Anticipated meetings include the City of Ontario, Fontana Water Company, Southern California Edison, and IEUA.

GHD

16451 Scientific Way Irvine CA 92618 USA
T 1 949 250 0501 F 1 949 250 0541 E irvine@ghd.com W www.ghd.com

Exhibit A



Task 1.C – Hydraulic Analysis & Plunger Valve Design Coordination

GHD will modify IEUA's existing calibrated hydraulic model to include the proposed VE design modifications and reanalyze the recycled water system hydraulics to confirm the operating envelope for the design of the proposed plunger valves and the City of Ontario and Fontana Water Company turn-out locations.

Deliverable(s): GHD will summarize the results of the hydraulic analysis in a brief memorandum distributed via email that will include tabular data and a pipe and node diagram.

Task 1.D – Utility Research

Prior to commencing design efforts, we will first identify existing and planned utilities along the selected project alignments. This will be undertaken by contacting the relevant utility owners using the Underground Service Alert (Dig-Alert), City of Ontario, City of Ontario, and City of Fontana utility databases. Our utility research will include the following elements:

- City/Water Company Facilities: We will coordinate with City/Water Company staff regarding City/Water Company owned and operated facilities (sewer, storm drain, water, etc.) along the alignments and obtain available records and plans.
- This will also include other local and regional agencies, including but not limited to, Southern California Edison, Southern California Gas Company, and the San Bernardino County Flood Control District.
- USA: Underground Service Alert (USA) will be contacted to obtain a list of utility agencies with records showing the location of all relevant infrastructure.
- Other Utilities: Other known utility owners will be contacted in writing (with telephone follow-up) requesting their latest information on the location of their facilities. The utilities to be contacted will include telephone, cable television companies, as well as any other utilities identified by USA.

Deliverable(s): Copies of all correspondence and information provided by the associated companies will be provided to IEUA in digital format for project records.

Task 1.E – VE Design Drawing Preparation

GHD will prepare complete plan and profile drawings showing the proposed pipeline and existing utilities within the local vicinity of the alignment per IEUA standards. All plans shall be prepared and delivered in AutoCAD 2014/Civil 3D format on 22" x 34" ANSI Size D sheets. Plan and profile base sheets shall be prepared at not greater than 1" = 20' horizontal scale and 1" = 2' vertical scale.

The following identifies the associated drawings and their anticipated effort:

No.	Drawing ID	Anticipated Effort
1	Sheet G-1	Update the Sheet Index Map
2	Sheet G-3	Update the Pothole Table
3	Sheet G-5	Update the Survey Control Sheet
4	Sheet C-4	Redesign 36" pipeline plan and profile
5	Sheet C-5	Redesign 36" pipeline plan and profile
6	Sheet C-6	Redesign 36" pipeline plan and profile
7	Sheet C-7	Redesign 36" pipeline plan and profile
8	Sheet C-8	Redesign 36" pipeline plan and profile
9	Sheet C-9	Redesign 36" pipeline plan and profile

Exhibit A



10	Sheet C-10	Redesign 36" pipeline plan and profile
11	Sheet C-11	Redesign 36" pipeline plan and profile
12	Sheet C-12	Redesign 36" pipeline plan and profile
13	Sheet C-13	Redesign 36" pipeline plan and profile
14	Sheet C-14	Redesign 36" pipeline plan and profile
15	Sheet C-18	Update sheet references
16	Sheet C-19	Update sheet references
17	Sheet C-26	Update the channel wall penetration design
18	Sheet C-27	Relocate the valving station
19	Sheet CP-3	Update the CP Table
20	Sheet E-2	Redesign the electrical site plan
21	Sheet E-3	Replace the control building with the revised CP-2
22	Sheet E-4	Redesign the single line diagram
23	Sheet E-5	Update CP-2 panel layout and confirm sizing
24	Sheet I-2	Redesign the control logic

Deliverable(s): GHD will prepare and submit four (4) full-size bond copies and two (2) half-size bond copies of a Draft Submittal to IEUA for review and comment. Upon receipt of all IEUA Draft Submittal comments, GHD will prepare a Final Submittal including single set of signed and stamped Mylar plans by a California Registered Civil Engineer. Applicable digital files of the Final Submittal will be provided on a single compact disc (or other applicable digital media) in their native file formats, as well as in PDF.

ASSUMPTIONS AND EXCLUSIONS

The scope of work excludes the following services:

- Surveying services, which will be performed by IEUA.
- Geotechnical services.
- Physical locating of utilities including potholing, which will be performed by the Contractor.
- CEQA/NEPA services.
- The discharge from the 16" plunger valve at the RP-3 site will no longer discharge directly to the Decler Channel. Instead, a direct connection to the concrete-lined trapezoidal will be made adjacent to the location of CP-2 on the RP-3 site. If the location of this tie-in requires additional length of pipeline, additional budget would be required.

These tasks can be performed upon mutual agreement of scope and fee at the request of the Agency.

COMPENSATION

The scope of services will be performed for a total lump sum fee of \$79,920 for the VE Engineering Services. All other terms and conditions of the original Contract (Agreement No. 4600000873) between Winzler & Kelly and IEUA dated March 16, 2011, and all approved amendments, and the new Contract (Agreement No. 4600001194) between GHD, Inc. (formerly Winzler & Kelly) and IEUA dated March 30, 2012, and all approved amendments, shall remain in full force and effect.

Exhibit A



We appreciate this opportunity to submit this proposal to assist IEUA on this important project. Please feel free to contact me directly if you have any questions.

Sincerely,
GHD

A handwritten signature in black ink, appearing to read 'Greg Watanabe', written in a cursive style.

Greg Watanabe, PE
Senior Project Manager
949 585 5215

Exhibit A

Inland Empire Utility Agency

Fee Proposal – Wineville Extension Recycled Water Pipeline - Segment B VE Engineering

September 16, 2014



Task Description	Project Manager	Project Engineer	CAD Designer	Total Hours	Labor	ODC	Total
	Hourly Rates	\$215	\$160	\$120			
Task 1 – Value Engineering (VE) Design							
Task 1.A - Independent VE Construction Cost Review	10	23	-	33	\$ 5,830	\$ 198	\$ 6,028
Task 1.B - Meetings (6 meetings)	18	-	-	18	\$ 3,870	\$ 408	\$ 4,278
Task 1.C - Hydraulic Analysis & Plunger Valve Design Coord	18	14	-	32	\$ 6,110	\$ 192	\$ 6,302
Task 1.D - Utility Research	1	8	-	9	\$ 1,495	\$ 674	\$ 2,169
Task 1.E - VE Design Drawing Preparation	33	138	233	404	\$ 57,135	\$ 4,008	\$ 61,143
Task 1.E.1 - Sheet G-1 Updates	1	1	1	3	\$ 495	\$ 84	\$ 579
Task 1.E.2 - Sheet G-3 Updates	1	1	1	3	\$ 495	\$ 84	\$ 579
Task 1.E.3 - Sheet G-5 Updates	1	1	1	3	\$ 495	\$ 84	\$ 579
Task 1.E.4 - Sheet C-4 Updates	2	8	15	25	\$ 3,510	\$ 216	\$ 3,726
Task 1.E.5 - Sheet C-5 Updates	2	8	15	25	\$ 3,510	\$ 216	\$ 3,726
Task 1.E.6 - Sheet C-6 Updates	2	8	15	25	\$ 3,510	\$ 216	\$ 3,726
Task 1.E.7 - Sheet C-7 Updates	2	8	15	25	\$ 3,510	\$ 216	\$ 3,726
Task 1.E.8 - Sheet C-8 Updates	2	8	15	25	\$ 3,510	\$ 216	\$ 3,726
Task 1.E.9 - Sheet C-9 Updates	2	8	15	25	\$ 3,510	\$ 216	\$ 3,726
Task 1.E.10 - Sheet C-10 Updates	2	8	15	25	\$ 3,510	\$ 216	\$ 3,726
Task 1.E.11 - Sheet C-11 Updates	2	8	15	25	\$ 3,510	\$ 216	\$ 3,726
Task 1.E.12 - Sheet C-12 Updates	2	8	14	24	\$ 3,390	\$ 210	\$ 3,600
Task 1.E.13 - Sheet C-13 Updates	1	7	14	22	\$ 3,015	\$ 198	\$ 3,213
Task 1.E.14 - Sheet C-14 Updates	1	7	14	22	\$ 3,015	\$ 198	\$ 3,213
Task 1.E.15 - Sheet C-18 Updates	1	1	2	4	\$ 615	\$ 90	\$ 705
Task 1.E.16 - Sheet C-19 Updates	1	1	2	4	\$ 615	\$ 90	\$ 705
Task 1.E.17 - Sheet C-26 Updates	1	4	4	9	\$ 1,335	\$ 120	\$ 1,455
Task 1.E.18 - Sheet C-27 Updates	1	2	4	7	\$ 1,015	\$ 108	\$ 1,123
Task 1.E.19 - Sheet CP-3 Updates	1	1	2	4	\$ 615	\$ 90	\$ 705
Task 1.E.20 - Sheet E-2 Updates	1	10	12	23	\$ 3,255	\$ 204	\$ 3,459
Task 1.E.21 - Sheet E-3 Updates	1	10	12	23	\$ 3,255	\$ 204	\$ 3,459
Task 1.E.22 - Sheet E-4 Updates	1	7	10	18	\$ 2,535	\$ 174	\$ 2,709
Task 1.E.23 - Sheet E-5 Updates	1	6	10	17	\$ 2,375	\$ 168	\$ 2,543
Task 1.E.24 - Sheet I-2 Updates	1	7	10	18	\$ 2,535	\$ 174	\$ 2,709
Total (Not-to-Exceed)	80	183	233	496	\$ 74,440	\$ 5,480	\$ 79,920

ATTACHMENT 1

GRANTS AND SRF LOAN REQUIREMENTS

Grants and SRF loan Requirements

The Central/Wineville Regional Recycled Water Distribution System Project (Project) will be funded by a State Water Resources Control Board State Revolving Fund Loan and Water Recycling Grant, and a Department of Water Resources Prop 84 Integrated Regional Water Management Grant (Agreements.)

The Agreements each have regulatory requirements that the Inland Empire Utilities Agency is required to include in all contracts for work related to the performance of the Agreements. The consultants and contractors must assist IEUA in meeting the federal and state requirements that apply to the scope stated in their contracts. These requirements include, but are not limited to, the State Prevailing Wages, Federal Davis-Bacon requirements, Federal Disadvantaged Business Enterprise (DBE), Single Audit, Records and Drug Free Work Place, etc. If a sub is hired, the grant requirements language must be included in the sub's contract in its entirety. The follow attachments provide more details about the specific requirements and must be included in all contracts for this Project:

- 1. Article VI - Miscellaneous Provisions**
- 2. Exhibit E - Federal Conditions & Cross-Cutters**
- 3. Exhibit G - Davis-Bacon Labor Compliance Requirements**
- 4. Certification of Drug-Free Workplace**
- 5. DBE instructions/forms**
- 6. Signage on Construction Site**
- 7. Records**
- 8. IRWM Grant Conditions**

ARTICLE VI MISCELLANEOUS PROVISIONS

6.1 Covenants

- (a) Tax Covenant. Notwithstanding any other provision hereof, the Recipient covenants and agrees that it will comply with the Tax Covenants set forth in Article IV attached hereto if any portion of the Project Funds is derived from proceeds of Bonds.
- (b) Disclosure of Financial Information, Operating Data, and Other Information. The Recipient covenants to furnish such financial, operating and other data pertaining to the Recipient as may be requested by the State Water Board to: (i) enable the State Water Board to cause the issuance of Bonds and provide for security therefor; or (ii) enable any underwriter of Bonds issued for the benefit of the State Water Board to comply with Rule 15c2-12(b)(5). The Recipient further covenants to provide the State Water Board with copies of all continuing disclosure reports and materials concerning the Recipient required by the terms of any financing other than this Agreement and to submit such reports to the State Water Board at the same time such reports are submitted to any dissemination agent, trustee, nationally recognized municipal securities information repository, the Municipal Securities Rulemaking Board's Electronic Municipal Market Access (EMMA) website or other person or entity.

6.2 Assignability

The Recipient agrees and consents to any pledge, sale, or assignment to the Bank or a trustee for the benefit of the owners of the Bonds, if any, at any time of any portion of the State Water Board's estate, right, title, and interest and claim in, to and under this Agreement and the right to make all related waivers and agreements in the name and on behalf of the State Water Board, as agent and attorney-in-fact, and to perform all other related acts which are necessary and appropriate under this Agreement, if any, and the State Water Board's estate, right, title, and interest and claim in, to and under this Agreement to Installment Payments (but excluding the State Water Board's rights to Additional Payments and to notices, opinions and indemnification under each Obligation). This Agreement is not assignable by the Recipient, either in whole or in part, without the consent of the State Water Board in the form of a formal written amendment to this Agreement.

6.3 State Reviews and Indemnification

The parties agree that review or approval of Project plans and specifications by the State Water Board is for administrative purposes only and does not relieve the Recipient of its responsibility to properly plan, design, construct, operate, and maintain the Project. To the extent permitted by law, the Recipient agrees to indemnify, defend, and hold harmless the State Water Board, the Bank, and any trustee, and their officers, employees, and agents for the Bonds, if any (collectively, "Indemnified Persons"), against any loss or liability arising out of any claim or action brought against any Indemnified Persons from and against any and all losses, claims, damages, liabilities, or expenses, of every conceivable kind, character, and nature whatsoever arising out of, resulting from, or in any way connected with (1) the System or the Project or the conditions, occupancy, use, possession, conduct, or management of, work done in or about, or the planning, design, acquisition, installation, or construction, of the System or the Project or any part thereof; (2) the carrying out of any of the transactions contemplated by this Agreement or any related document; (3) any violation of any applicable law, rule or regulation, any environmental law (including, without limitation, the Federal Comprehensive Environmental Response, Compensation and Liability Act, the Resource Conservation and Recovery Act, the California Hazardous Substance Account Act, the Federal Water Pollution Control Act, the Clean Air Act, the Toxic Substances Control Act, the Occupational Safety and Health Act, the Safe Drinking Water Act, the California Hazardous Waste Control Law, and California Water Code Section 13304, and any successors to said laws), rule or regulation or the release of any toxic substance on or near the System; or (4) any untrue statement or alleged untrue statement of any material fact or omission or alleged omission to state a material fact necessary to make the statements required to be stated therein, in light of the circumstances under which

they were made, not misleading with respect to any information provided by the Recipient for use in any disclosure document utilized in connection with any of the transactions contemplated by this Agreement. To the fullest extent permitted by law, the Recipient agrees to pay and discharge any judgment or award entered or made against Indemnified Persons with respect to any such claim or action, and any settlement, compromise or other voluntary resolution. The provisions of this section shall survive the discharge of the Recipient's Obligation hereunder.

6.4 Termination; Immediate Repayment; Interest

- (a) This Agreement may be terminated by written notice during construction of the Project, or thereafter at any time prior to complete repayment by the Recipient, at the option of the State Water Board, upon violation by the Recipient of any material provision of this Agreement after such violation has been called to the attention of the Recipient and after failure of the Recipient to bring itself into compliance with the provisions of this Agreement within a reasonable time as established by the Division.
- (b) In the event of such termination, the Recipient agrees, upon demand, to immediately repay to the State Water Board an amount equal to Installment Payments due hereunder, including accrued interest, and all penalty assessments due. In the event of termination, interest shall accrue on all amounts due at the highest legal rate of interest from the date that notice of termination is mailed to the Recipient to the date of full repayment by the Recipient.
- (c) Where the Recipient is a private entity that has been determined to have violated an applicable prohibition in the Prohibition Statement below or has an employee who is determined by USEPA to have violated an applicable prohibition in the Prohibition Statement below that is either associated with performance under this aware or imputed to the Recipient using the standards and due process for imputing the conduct of an individual to an organization pursuant to 2 CFR Part 180, the Recipient acknowledges and agrees that this Obligation may become immediately due and payable and that penalties up to \$175 million may be due by the Recipient to the State Water Board, in addition to any other criminal or civil penalties that may become due. The Recipient, its employees, its contractors, and any subrecipients or subcontractors may not engage in trafficking in persons, procure a commercial sex act, or use forced labor.

6.5 Income Restrictions

The Recipient agrees that any refunds, rebates, credits, or other amounts (including any interest thereon) accruing to or received by the Recipient under this Agreement shall be paid by the Recipient to the State, to the extent that they are properly allocable to costs for which the Recipient has been reimbursed by the State under this Agreement.

6.6 Prevailing Wages

The Recipient agrees to be bound by all the provisions of State Labor Code Section 1771 regarding prevailing wages. The Recipient shall monitor all agreements subject to reimbursement from this Agreement to assure that the prevailing wage provisions of State Labor Code Section 1771 are being met.

6.7 Timeliness

Time is of the essence in this Agreement.

6.8 Governing Law

This contract is governed by and shall be interpreted in accordance with the laws of the State of California.

6.9 Amendment.

No amendment or variation of the terms of this Agreement shall be valid unless made in writing, signed by the parties and approved as required. No oral understanding or agreement not incorporated in this Agreement is binding on any of the parties.

6.10 Bonding.

Where contractors are used, the Recipient shall not authorize construction to begin until each contractor has furnished a performance bond in favor of the Recipient in the following amounts: faithful performance (100%) of contract value; labor and materials (100%) of contract value. This requirement shall not apply to any contract for less than \$20,000.00.

6.11 Compliance with Law, Regulations, etc

- (a) The Recipient agrees that it will, at all times, comply with and require its contractors and subcontractors to comply with all applicable federal and state laws, rules, guidelines, regulations, and requirements. Without limitation of the foregoing, the Recipient agrees that, to the extent applicable, the Recipient will:
- (1) Comply with the provisions of the adopted environmental mitigation plan for the term of this Agreement;
 - (2) Comply with the State Water Board's "Policy for Implementing the Clean Water State Revolving Fund," dated May 7, 2013;
 - (3) Comply with and require its contractors and subcontractors on the Project to comply with federal DBE requirements; and
 - (4) Comply with and require its contractors and subcontractors to comply with the list of federal laws attached as Exhibit E.

6.12 Conflict of Interest.

The Recipient certifies that it is in compliance with applicable state and/or federal conflict of interest laws.

6.13 Damages for Breach Affecting Tax Exempt Status or Federal Compliance

In the event that any breach of any of the provisions of this Agreement by the Recipient shall result in the loss of tax exempt status for any bonds of the State or any subdivision or agency thereof, including Bonds issued on behalf of the State Water Board, or if such breach shall result in an obligation on the part of the State or any subdivision or agency thereof to reimburse the federal government by reason of any arbitrage profits, the Recipient shall immediately reimburse the State or any subdivision or agency thereof in an amount equal to any damages paid by or loss incurred by the State or any subdivision or agency thereof due to such breach.

In the event that any breach of any of the provisions of this Agreement by the Recipient shall result in the failure of Project Funds to be used pursuant to the provisions of this Agreement, or if such breach shall result in an obligation on the part of the State or any subdivision or agency thereof to reimburse the federal government, the Recipient shall immediately reimburse the State or any subdivision or agency thereof in an amount equal to any damages paid by or loss incurred by the State or any subdivision or agency thereof due to such breach.

6.14 Disputes

- (a) An applicant or recipient may appeal a staff decision within 30 days to the Deputy Director of the Division or designee, for a final Division decision. An applicant or recipient may appeal a final Division decision to the State Water Board within 30 days. The Office of the Chief Counsel of the State Water Board will prepare a summary of the dispute and make recommendations relative to its final resolution, which will be provided to the State Water Board's Executive Director and each State Water Board Member. Upon the motion of any State Water Board Member, the State Water Board will review and resolve the dispute in the manner determined by the State Water Board. Should the State Water Board determine not to review the final Division decision, this decision will represent a final agency action on the dispute.
- (b) This clause does not preclude consideration of legal questions, provided that nothing herein shall be construed to make final the decision of the State Water Board, or any official or representative thereof, on any question of law.
- (c) Recipient shall continue with the responsibilities under this Agreement during any dispute.

6.15 Independent Actor.

The Recipient, and its agents and employees, if any, in the performance of this Agreement, shall act in an independent capacity and not as officers, employees, or agents of the State Water Board.

6.16 Non-Discrimination Clause.

- (a) During the performance of this Agreement, Recipient and its contractors and subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, sexual orientation, physical disability (including HIV and AIDS), mental disability, medical condition (cancer), age (over 40), marital status, and denial of family care leave.
- (b) The Recipient, its contractors, and subcontractors shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment.
- (c) The Recipient, its contractors, and subcontractors shall comply with the provisions of the Fair Employment and Housing Act and the applicable regulations promulgated thereunder. (Gov. Code, §12990, subds. (a)-(f) et seq.; Cal. Code Regs., tit. 2, § 7285 et seq.) Such regulations are incorporated into this Agreement by reference and made a part hereof as if set forth in full.
- (d) The Recipient, its contractors, and subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement.
- (e) The Recipient shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the Agreement.

6.17 No Third Party Rights.

The parties to this Agreement do not create rights in, or grant remedies to, any third party as a beneficiary of this Agreement, or of any duty, covenant, obligation, or undertaking established herein.

6.18 Operation and Maintenance; Insurance

The Recipient agrees to sufficiently and properly staff, operate and maintain all portions of the Project during its useful life in accordance with all applicable state and federal laws, rules and regulations.

The Recipient will procure and maintain or cause to be maintained insurance on the System with responsible insurers, or as part of a reasonable system of self-insurance, in such amounts and against such risks (including damage to or destruction of the System) as are usually covered in connection with systems similar to the System. Such insurance may be maintained by the maintenance of a self-insurance plan so long as any such plan provides for (i) the establishment by the Recipient of a separate segregated self-insurance fund funded in an amount determined (initially and on at least an annual basis) by an independent insurance consultant experienced in the field of risk management employing accepted actuarial techniques and (ii) the establishment and maintenance of a claims processing and risk management program.

In the event of any damage to or destruction of the System caused by the perils covered by such insurance, the net proceeds thereof shall be applied to the reconstruction, repair or replacement of the damaged or destroyed portion of the System. The Recipient shall begin such reconstruction, repair or replacement as expeditiously as possible, and shall pay out of such net proceeds all costs and expenses in connection with such reconstruction, repair or replacement so that the same shall be completed and the System shall be free and clear of all claims and liens. If such net proceeds are insufficient to enable the Recipient to pay all remaining unpaid principal portions of the Installment Payments, the Recipient shall provide additional funds to restore or replace the damaged portions of the System.

6.19 Permits, Subcontracting, and Remedies

The Recipient shall comply in all material respects with all applicable federal, state and local laws, rules and regulations. Recipient shall procure all permits, licenses and other authorizations necessary to accomplish the work contemplated in this Agreement, pay all charges and fees, and give all notices necessary and incidental to the due and lawful prosecution of the work. Signed copies of any such permits or licenses shall be submitted to the Division before construction begins.

6.20 Recipient's Responsibility for Work.

The Recipient shall be responsible for all work and for persons or entities engaged in work performed pursuant to this Agreement, including, but not limited to, contractors, subcontractors, suppliers, and providers of services. The Recipient shall be responsible for any and all disputes arising out of its contracts for work on the Project. The State Water Board will not mediate disputes between the Recipient and any other entity concerning responsibility for performance of work.

6.21 Related Litigation.

Under no circumstances may a Recipient use funds from any disbursement under this Agreement to pay costs associated with any litigation the Recipient pursues against the State Water Board or any Regional Water Quality Control Board. Regardless of the outcome of any such litigation, and notwithstanding any conflicting language in this Agreement, the Recipient agrees to complete the Project funded by this Agreement or to repay all of the disbursed funds plus interest.

6.22 Rights in Data

The Recipient agrees that all data, plans, drawings, specifications, reports, computer programs, operating manuals, notes, and other written or graphic work produced in the performance of this Agreement are subject to the rights of the State as set forth in this section. The State shall have the right to reproduce, publish, and use all such work, or any part thereof, in any manner and for any purposes whatsoever and to authorize others to do so. If any such work is copyrightable, the Recipient may copyright the same, except that, as to any work which is copyrighted by the Recipient, the State reserves a royalty-free,

nonexclusive, and irrevocable license to reproduce, publish, and use such work, or any part thereof, and to authorize others to do so, and to receive electronic copies from the Recipient upon request. (40 CFR 31.34, 31.36)

6.23 State Water Board Action; Costs and Attorney Fees

The Recipient agrees that any remedy provided in this Agreement is in addition to and not in derogation of any other legal or equitable remedy available to the State Water Board as a result of breach of this Agreement by the Recipient, whether such breach occurs before or after completion of the Project, and exercise of any remedy provided by this Agreement by the State Water Board shall not preclude the State Water Board from pursuing any legal remedy or right which would otherwise be available. In the event of litigation between the parties hereto arising from this Agreement, it is agreed that each party shall bear its own costs and attorney fees.

6.24 Unenforceable Provision

In the event that any provision of this Agreement is unenforceable or held to be unenforceable, then the parties agree that all other provisions of this Agreement have force and effect and shall not be affected thereby.

6.25 Useful Life.

The economic useful life of the Project, commencing at Project Completion, is at least equal to the term of this Agreement, as set forth in Exhibit B hereto.

6.26 Venue

The State Water Board and the Recipient hereby agree that any action arising out of this Agreement shall be filed and maintained in the Superior Court in and for the County of Sacramento, California.

6.27 Waiver and Rights of the State Water Board

Any waiver of rights by the State Water Board with respect to a default or other matter arising under the Agreement at any time shall not be considered a waiver of rights with respect to any other default or matter.

Any rights and remedies of the State Water Board provided for in this Agreement are in addition to any other rights and remedies provided by law.

EXHIBIT E — FEDERAL CONDITIONS & CROSS-CUTTERS

The Recipient agrees to comply with the following conditions required by USEPA:

1. No Recipient or sub recipient may receive funding under this Agreement unless it has provided its DUNS number to the State Water Board. (2011 Cap Grant)
2. Executive Compensation. Where the Recipient received 80 percent or more of its annual gross revenues from federal procurement contracts (and subcontracts) and \$25,000,000 or more in annual gross revenues from federal procurement contracts (and subcontracts), the Recipient agrees to notify the State Water Board. The Recipient agrees to provide information regarding executive compensation to the State Water Board upon request, in order for the State Water Board to comply with USEPA requirements.
3. Trafficking in Persons. The Recipient, its employees, contractors and subcontractors and their employees may not engage in severe forms of trafficking in persons during the term of this Agreement, procure a commercial sex act during the term of this Agreement, or use forced labor in the performance of this Agreement. The Recipient must include this provision in its contracts and subcontracts under this Agreement. The Recipient must inform the State Water Board immediately of any information regarding a violation of the foregoing. The Recipient understands that failure to comply with this provision may subject the State Water Board to loss of federal funds in the amount of \$101,065,000. The Recipient agrees to compensate the State Water Board for any such funds lost due to its failure to comply with this condition, or the failure of its contractors or subcontractors to comply with this condition. The State Water Board may unilaterally terminate this Agreement and full repayment will be due immediately, if a sub recipient that is a private entity is determined to have violated the foregoing. Trafficking Victims Protection Act of 2000.
4. Contractors, Subcontractors, Debarment and Suspension, Executive Order 12549; 2 CFR Part 180; 2 CFR Part 1532. The Recipient shall not subcontract with any party who is debarred or suspended or otherwise excluded from or ineligible for participation in federal assistance programs under Executive Order 12549, "Debarment and Suspension". The Recipient shall not subcontract with any individual or organization on USEPA's List of Violating Facilities. (40 CFR, Part 31.35, Gov. Code 4477)

The Recipient certifies to the best of its knowledge and belief, that it and its principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any federal department or agency;
- (b) Have not within a three (3) year period preceding this Agreement been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three (3) year period preceding this application/proposal had one or more public transactions (federal, state or local) terminated for cause or default.

The Excluded Parties List System can be found at www.epls.gov. The Recipient represents and warrants that it has or will include a term or conditions requiring compliance with this provision in all of its contracts and subcontracts under this Agreement. The Recipient acknowledges that failing to disclose the information as required at 2 CFR 180.335 may result in the termination, delay or negation of this Agreement, or pursuance of legal remedies, including suspension and debarment.

5. Anti-Lobbying Provisions (40 CFR Part 34) & Anti-Litigation Provisions (2 CFR 220, 225, or 230). The Recipient shall ensure that no funds under this Agreement are used to engage in lobbying of the federal government or in litigation against the United States unless authorized under existing law. The Recipient shall abide by 2 CFR 225 (OMB Circular A-87) (or, if not applicable, other parallel requirements), which prohibits the use of federal grant funds for litigation against the United States or for lobbying or other political activities. The Recipient agrees to comply with 40 CFR Part 24, New Restrictions on Lobbying. The Recipient agrees to submit certification and disclosure forms in accordance with these provisions. In accordance with the Byrd Anti-Lobbying Amendment, any Recipient who makes a prohibited expenditure under 40 CFR Part 34 or fails to file the required certification or lobbying forms shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure. The Recipient shall abide by its respective 2 CFR 200, 225, or 230, which prohibits the use of federal grant funds for litigation against the United States or for lobbying or other political activities.
6. Disadvantaged Business Enterprises. 40 CFR Part 33. The Recipient agrees to comply with the requirements of USEPA's Program for Utilization of Small, Minority and Women's Business Enterprises. The DBE rule can be accessed at www.epa.gov/osbp. The Recipient shall comply with, and agrees to require its prime contractors to comply with 40 CFR Section 33.301, and retain all records documenting compliance with the six good faith efforts.
7. The Recipient agrees to comply with the Davis-Bacon provisions attached as Exhibit G.

The Recipient agrees to comply with the following federal laws, as applicable to recipients of CWSRF funding:

Environmental Authorities

1. Archeological and Historical Preservation Act of 1974, Pub. L. 86-523, as amended, Pub. L. 93-291 16 USC § 469a-1.
2. Clean Air Act, Pub. L. 84-159, as amended.
3. Coastal Barrier Resources Act, Pub. L. 97-348, 96 Stat. 1653; 16 USC § 3501 et seq.
4. Coastal Zone Management Act, Pub. L. 92-583, as amended; 16 USC § 1451 et seq.
5. Endangered Species Act, Pub. L. 93-205, as amended; 16 USC § 1531 et seq..
6. Environmental Justice, Executive Order 12898.
7. Floodplain Management, Executive Order, 11988 as amended by Executive Order 12148.
8. Protection of Wetlands, Executive Order 11990, as amended by Executive Order No. 12608.

9. Farmland Protection Policy Act, Pub. L. 97-98; 7 USC § 4201 et seq.
10. Fish and Wildlife Coordination Act, Pub. L. 85-624, as amended.
11. National Historic Preservation Act of 1966, Pub. L. 89-665, as amended, 80 Stat. 917 (1966) 16 USC § 470 et seq.
12. Safe Drinking Water Act, Pub. L. 93-523, as amended; 42 USC § 300f et seq.
13. Wild and Scenic Rivers Act, Pub. L. 90-542, as amended, 82 Stat. 913; 16 USC § 1271 et seq.
14. Essential Fish Habitat Consultation. Pub. L. 94-265, as amended, 16 USC § 1801 et seq.
15. Recycled Materials. Executive Order 13101; Section 6002 Resource Conservation and Recovery Act – 42 USC § 6962.

Economic and Miscellaneous Authorities

1. Demonstration Cities and Metropolitan Development Act of 1966, Pub. L. 89-754, as amended, Executive Order 12372/ 42 USC § 3331 et seq.
2. Procurement Prohibitions under Section 306 of the Clean Air Act and Section 508 of the Clean Water Act, including Executive Order 11738, Administration of the Clean Air Act and the Federal Water Pollution Control Act with Respect to Federal Contracts, Grants, or Loans; 42 USC § 7606; 33 USC § 1368; 40 CFR Part 31.
3. Uniform Relocation and Real Property Acquisition Policies Act, Pub. L. 91-646, as amended; 42 USC §§4601-4655
- 4.. Preservation of Open Competition and Government Neutrality Towards Government Contractors' Labor Relations on Federal and Federally Funded Construction Projects, EO 13202, as amended by EO 13208.
6. Hotel and Motel Fire Safety Act of 1990 (PL 101-391, as amended). All conference, meeting, convention, or training funded in whole or in part with federal funds shall comply with the protection and control guidelines of this act. Recipients may search <http://www.usfa.dhs.gov/applications/hotel/>.
7. Records and financial reporting requirements. 40 CFR Part 31.
8. Copyright requirements. 40 CFR Part 31.

Social Policy Authorities

1. Age Discrimination Act of 1975, Pub. L. 94-135; 42 USC § 6102.
2. Race Discrimination. Title VI of the Civil Rights Act of 1964, Pub. L. 88-352.1; 42 USC § 2000d; 40 CFR Part 7.
3. Sex Discrimination. Section 13 of the Federal Water Pollution Control Act Amendments of 1972, Pub. L. 92-500 (the Clean Water Act); 33 USC § 1251; 40 CFR Part 7.

4. Disability Discrimination. Section 504 of the Rehabilitation Act of 1973, Pub. L. 93-112 (including Executive Orders 11914 and 11250); 29 USC § 794; 40 CFR Part 7.
5. Equal Employment Opportunity, Executive Order 11246.
6. Section 129 of the Small Business Administration Reauthorization and Amendment Act of 1988, Pub. L. 100-590.

EXHIBIT G – DAVIS BACON REQUIREMENTS

1. Contract and Subcontract provisions for Recipients

(a) The Recipient shall insert in full in any contract in excess of \$2,000 which is entered into for the actual construction, alteration and/or repair, including painting and decorating, of a treatment work under the CWSRF the following clauses:

(1) Minimum wages.

(i) All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in § 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

Subrecipients may obtain wage determinations from the U.S. Department of Labor's web site, www.dol.gov.

(ii)(A) The Recipient, on behalf of EPA, shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The State award official shall approve a request for an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

- (1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and
- (2) The classification is utilized in the area by the construction industry; and
- (3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.
- (B) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the Recipient agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), documentation of the action taken and the request, including the local wage determination shall be sent by the Recipient to the State award official. The State award official will transmit the request, to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210 and to the EPA DB Regional Coordinator concurrently. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification request within 30 days of receipt and so advise the State award official or will notify the State award official within the 30-day period that additional time is necessary.
- (C) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and Recipient do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the award official shall refer the request and the local wage determination, including the views of all interested parties and the recommendation of the State award official, to the Administrator for determination. The request shall be sent to the EPA DB Regional Coordinator concurrently. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt of the request and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.
- (D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii)(B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.
- (iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.
- (iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program. Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

- (2) Withholding. The Recipient, shall upon written request of the EPA Award Official or an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the (Agency) may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.
- (3) Payrolls and basic records.
- (i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.
- (ii)(A) The contractor shall submit weekly, for each week in which any contract work is performed, a copy of all payrolls to the Recipient, that is, the entity that receives the sub-grant or loan from the State capitalization grant recipient. Such documentation shall be available on request of the State or EPA. As to each payroll copy received, the Recipient shall provide written confirmation in a form satisfactory to the State indicating whether or not the project is in compliance with the requirements of 29 CFR 5.5(a)(1) based on the most recent payroll copies for the specified week. The payrolls shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on the weekly payrolls. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all

subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the Recipient for transmission to the State Water Board or EPA if requested by EPA, the State Water Board, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the Recipient.

- (B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:
 - (1) That the payroll for the payroll period contains the information required to be provided under § 5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under § 5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;
 - (2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;
 - (3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.
- (C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.
- (D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.
- (iii) The contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the State, EPA or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency or State may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.
- (4) Apprentices and trainees.

- (i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.
- (ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which

provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- (iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.
- (5) Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.
- (6) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the EPA determines may be appropriate, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.
- (7) Contract termination; debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.
- (8) Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.
- (9) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and Recipient, State, EPA, the U.S. Department of Labor, or the employees or their representatives.
- (10) Certification of eligibility.
 - (i) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

2. Contract Provision for Contracts in Excess of \$100,000.

- (a) Contract Work Hours and Safety Standards Act. The Recipient shall insert the following clauses set forth in paragraphs (a)(1), (2), (3), and (4) of this section in full in any contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by Section 1, above or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.
- (1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
 - (2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (a)(1) of this section the contractor and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (a)(1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (a)(1) of this section.
 - (3) Withholding for unpaid wages and liquidated damages. The Recipient, upon written request of the EPA Award Official or an authorized representative of the Department of Labor, shall withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.
 - (4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (a)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (a)(1) through (4) of this section.
- (b) In addition to the clauses contained in Section 1, above, in any contract subject only to the Contract Work Hours and Safety Standards Act and not to any of the other statutes cited in 29 CFR 5.1, the Recipient shall insert a clause requiring that the contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name

and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. Further, the Recipient shall insert in any such contract a clause providing that the records to be maintained under this paragraph shall be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the (write the name of agency) and the Department of Labor, and the contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

3. Compliance Verification

- (a) The Recipient shall periodically interview a sufficient number of employees entitled to DB prevailing wages (covered employees) to verify that contractors or subcontractors are paying the appropriate wage rates. As provided in 29 CFR 5.6(a)(6), all interviews must be conducted in confidence. The subrecipient must use Standard Form 1445 (SF 1445) or equivalent documentation to memorialize the interviews. Copies of the SF 1445 are available from EPA on request.
- (b) The Recipient shall establish and follow an interview schedule based on its assessment of the risks of noncompliance with DB posed by contractors or subcontractors and the duration of the contract or subcontract. At a minimum, the Recipient should conduct interviews with a representative group of covered employees within two weeks of each contractor or subcontractor's submission of its initial weekly payroll data and two weeks prior to the estimated completion date for the contract or subcontract. The Recipient must conduct more frequent interviews if the initial interviews or other information indicates that there is a risk that the contractor or subcontractor is not complying with DB. The Recipient shall immediately conduct necessary interviews in response to an alleged violation of the prevailing wage requirements. All interviews shall be conducted in confidence.
- (c) The Recipient shall periodically conduct spot checks of a representative sample of weekly payroll data to verify that contractors or subcontractors are paying the appropriate wage rates. The Recipient shall establish and follow a spot check schedule based on its assessment of the risks of noncompliance with DB posed by contractors or subcontractors and the duration of the contract or subcontract. At a minimum, if practicable, the Recipient should spot check payroll data within two weeks of each contractor or subcontractor's submission of its initial payroll data and two weeks prior to the completion date the contract or subcontract. The Recipient must conduct more frequent spot checks if the initial spot check or other information indicates that there is a risk that the contractor or subcontractor is not complying with DB. In addition, during the examinations the Recipient shall verify evidence of fringe benefit plans and payments thereunder by contractors and subcontractors who claim credit for fringe benefit contributions.
- (d) The Recipient shall periodically review contractors and subcontractors use of apprentices and trainees to verify registration and certification with respect to apprenticeship and training programs approved by either the U.S Department of Labor or a state, as appropriate, and that contractors and subcontractors are not using disproportionate numbers of, laborers, trainees and apprentices. These reviews shall be conducted in accordance with the schedules for spot checks and interviews described in Item 5(b) and (c) above.
- (e) The Recipient must immediately report potential violations of the DB prevailing wage requirements to the EPA DB contact listed above and to the appropriate DOL Wage and Hour District Office listed at <http://www.dol.gov/esa/contacts/whd/america2.htm>.

DRUG-FREE WORKPLACE CERTIFICATION

By signing this certification, the prospective contractor or recipient hereby certifies under penalty of perjury under the laws of the State of California that the contractor or recipient will comply with the requirements of the Drug-Free Workplace Act of 1990 (Government Code Section 8350 et seq) and will provide a drug free workplace by taking the following actions:

- A. Publish a statement notifying employees that unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited and specifying actions to be taken against employees for violations, as required by Government Code Section 8350(a).

- B. Establish a Drug-Free Awareness Program as required by Government Code Section 8355(b) to inform employees about all of the following:
 - 1. the dangers of drug abuse in the workplace;
 - 2. the person's or organization's policy of maintaining a drug-free workplace;
 - 3. any available counseling, rehabilitation, and employee assistance programs; and
 - 4. penalties that may be imposed upon employees for drug abuse violations.

- C. Provide, as required by Government Code Section 8355(c), that every employee who works with the proposed program/activity:
 - 1. will receive a copy of the company's drug-free policy statement; and
 - 2. will agree to abide by the terms of the company's drug-free workplace policies.

Failure to comply with these requirements may result in suspension of payments under the contract or termination of the contract, or cancellation of the purchase order, or all that may apply. In addition, the contractor or grantee may be ineligible for award of future contracts or purchase orders if it is determined that any of the following has occurred: (1) the false certification, or (2) failing to carry out the requirements of the certification as noted above. The signed copy must be submitted with the signed contract.

Organization

Name & Title of Authorized Representative

Signature

Date

State Water Resources Control Board
Division of Financial Assistance (Division)
1001 I Street • Sacramento, California 95814 • (916) 341-5700 FAX (916) 341-5707
Mailing Address: P. O. Box 944212 • Sacramento, California • 94244-2120
Internet Address: <http://www.waterboards.ca.gov>

Guidelines for Clean Water State Revolving Fund (CWSRF) Program
Disadvantaged Business Enterprise (DBE)

DBE REQUIREMENTS

The DBE Program is an outreach, education, and goaling program designed to increase the participation of DBEs. The DBE Program encompasses many of the components of the former Minority/Women Owned Business Enterprise (MBE/WBE) Program and includes many new features.

Financial Assistance Recipients should award a "fair share" of sub-agreements to small, MBE/WBE businesses. Since each is a separate entity, the objective is to assure that each of these business entities is given the opportunity to participate in sub-agreement financial assistance agreements. This applies to all sub-agreements for equipment, supplies, construction, and services.

How to Achieve the Purpose of the Program

Recipients of financial agreements are required to seek, and are encouraged to utilize, MBE/WBE businesses for their procurement needs under the financial agreement. The key functional components of the DBE Program are as follows.

- Fair Share Objectives
- Six Good Faith Efforts
- Contract Administration Requirements
- MBE/WBE Reporting
- MBE/WBE Certification

DBEs, MBEs and WBEs

DBEs are:

- entities owned and/or controlled by socially and economically disadvantaged individuals as described by Title X of the Clean Air Act Amendments of 1990 (42 U.S.C. 7601 note) (10% statute), and Public Law 102-389 (42 U.S.C. 4370d) (8% statute), respectively;
- a Small Business Enterprise (SBE);
- a Small Business in a Rural Area (SBRA);
- a Labor Surplus Area Firm (LSAF); or
- an Historically Underutilized Business (HUB) Zone Small Business Concern or a concern under a successor program.

MBEs are:

- entities that are at least 51% owned and/or controlled by a socially and economically disadvantaged individual as described by Title X of the Clean Air Act Amendments of 1990 (42 U.S.C. 7601 note), and Public Law 102-389 (42 U.S.C. 4370d), respectively.

WBEs are:

- entities that are at least 51% owned and/or controlled by women.

Certifying MBE and WBE firms

Under the DBE Program, entities can no longer self-certify. Certifications will be accepted from:

- The Small Business Administration(SBA);
- The Department of Transportation's State implemented DBE Certification Program (with U.S. citizenship);
- Tribal, State and Local governments; and
- Independent private organization certifications.

If an entity holds one of these certifications, it is considered acceptable for establishing MBE or WBE status under the DBE Program.

GOOD FAITH EFFORT (GFE)

The GFE is required for all financial agreement Recipients to ensure that all DBEs have the opportunity to compete for procurements funded by financial assistance dollars.

Six Good Faith Efforts

1. Ensure DBEs are made aware of contracting opportunities to the fullest extent practical through outreach and recruitment activities. For Tribal, State and Local Government Recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.
2. Make information on forthcoming opportunities available to DBEs. Posting solicitations for bids or proposals for a minimum of 30 calendar days before bid opening.
3. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs.
4. Encourage contracting with a group of DBEs when a contract is too large for one firm to handle individually.
5. Use the services and assistance of the SBA and Minority Business Development Agency (MBDA) of the Department of Commerce.
6. If the prime contractor awards subcontracts, require the subcontractor to take the above steps.

The following forms (attached) are required to be submitted with the GFE:

FORM	REQUIREMENT	PROVIDED BY	COMPLETED BY	SUBMITTED TO
DBE Contractor/Subcontractor Certification	Subcontractor required to provide proof of DBE certification	Recipient	Subcontractor	SWRCB by Recipient
DBE Selected Prime Contractor/Recipient	Prime Contractor list selected DBEs	Recipient	Prime Contractor	SWRCB by Recipient

ADMINISTRATION REQUIREMENTS

- A Recipient must require its prime contractor to pay its subcontractor for satisfactory performance no more than 30 days from the prime contractor's receipt of payment from the Recipient;
- A Recipient must be notified in writing by its prime contractor prior to any termination of a DBE subcontractor by the prime contractor;
- If a DBE subcontractor fails to complete work under the subcontract for any reason, the Recipient must require the prime contractor to employ the six GFEs if soliciting a replacement subcontractor;
- A Recipient must require its prime contractor to employ the six GFEs even if the prime contractor has achieved its fair share objectives; and
- The GFE documentation shall be submitted by the Recipient with the Approval of Award package.

BIDDERS LIST REQUIREMENTS

- A Recipient of a financial agreement to capitalize CWSRF funds also must require entities receiving funds to create and maintain a Bidders List if the Recipient of the financing agreement is subject to, or chooses to follow, competitive bidding requirements;
- The Bidders list must include all firms that bid or quote on prime contracts, or bid or quote on subcontracts, including both MBE/WBEs and non-MBE/WBEs;
- The Bidders List must be kept until the Recipient is no longer receiving funding under the agreement; and
- The Recipient shall include Bidders List as part of the Approval of Award package.

Information Retained on the Bidders List:

- Entity's name with point of contact;
- Entity's mailing address and telephone number;
- The project description on which the entity bid or quoted and when;
- Amount of bid/quote; and
- Entity's status as a MBE/WBE or non-MBE/WBE.

**DISADVANTAGED BUSINESS ENTERPRISE (DBE)
CONTRACTOR SUBCONTRACTOR CERTIFICATION**

Firm Name:	Phone:
Address:	
Principal Service or Product:	Bid Amount \$

PLEASE INDICATE PERCENTAGE OF OWNERSHIP BELOW

<input type="checkbox"/> DBE _____ % Ownership	
<input type="checkbox"/> Prime Contractor	<input type="checkbox"/> Supplier of Material/Service
<input type="checkbox"/> Subcontractor	
<input type="checkbox"/> Sole Ownership	<input type="checkbox"/> Corporation
<input type="checkbox"/> Partnership	<input type="checkbox"/> Joint Venture
Certified by:	Title:

Name:	Date:
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Contractors can no longer self-certify. They must be certified by EPA, Small Business Administration (SBA), Department of Transportation (DOT) or by State, Local, Tribal or private entities whose certification criteria match EPA's. Proof of Certification must be provided. A copy of the contractor certification must be submitted with this form.

NOTE: This form shall be completed prior to Bid Opening.

**DISADVANTAGED BUSINESS ENTERPRISE (DBE)
SELECTED PRIME CONTRACTOR AND SUBCONTRACTOR(S)**

CONTRACT RECIPIENTS NAME		CONTRACT NO. OR SPECIFICATION NO.	
PROJECT DESCRIPTION		PROJECT LOCATION	
PRIME CONTRACTOR INFORMATION			
NAME AND ADDRESS (Include ZIP Code, Federal Employer Tax ID #)		<input type="checkbox"/> MBE	<input type="checkbox"/> WBE
PHONE		AMOUNT OF CONTRACT\$	
DBE INFORMATION			
<input type="checkbox"/> NONE*			
<input type="checkbox"/> DBE		NAME AND ADDRESS (Include ZIP Code,)	
<input type="checkbox"/> SUBCONTRACTOR <input type="checkbox"/> JOINT VENTURE	<input type="checkbox"/> SUPPLIER/SERVICE		
AMOUNT OF CONTRACT \$		PHONE	
WORK TO BE PERFORMED			
<input type="checkbox"/> DBE		NAME AND ADDRESS (Include ZIP Code)	
<input type="checkbox"/> SUBCONTRACTOR <input type="checkbox"/> JOINT VENTURE	<input type="checkbox"/> SUPPLIER/SERVICE		
AMOUNT OF CONTRACT \$		PHONE	
WORK TO BE PERFORMED			
<input type="checkbox"/> DBE		NAME AND ADDRESS (Include ZIP Code,)	
<input type="checkbox"/> SUBCONTRACTOR <input type="checkbox"/> JOINT VENTURE	<input type="checkbox"/> SUPPLIER/SERVICE		
AMOUNT OF CONTRACT \$		PHONE	
WORK TO BE PERFORMED			
TOTAL DBE AMOUNT: \$		TOTAL WBE AMOUNT: \$	
SIGNATURE OF PERSON COMPLETING FORM:			
TITLE: _____		PHONE: _____	DATE: _____

NOTE: Negative reports are required. This form shall be completed prior to Bid Opening.

APPROVAL OF AWARD (AOA) REQUIREMENTS

The Disadvantaged Business Enterprise (DBE) Good Faith Effort (GFE) is one element of the AOA process summarized below. The AOA request package submitted to the Division of Financial Assistance (DFA) for approval must contain the following:

1. A completed AOA Request Form (Form 555-1). The form, with original signature, must be signed by the Recipient's Authorized Representative or Designee); and
2. All of the AOA attachments (listed on the back of Form 555-1), in accordance with the AOA instructions, including the DBE Good Faith Effort Certification Form, signed and submitted by the Recipient (Certification form attached), certifying that the Prime Contractor has met the DBE requirements,

The GFE should be submitted with the Bid Proposal. Recipient shall review the successful bidder's documents closely to determine that the GFE was performed. Documentation should indicate that the GFE occurred **prior** to bid opening. Failure of either the bidder or prime contractor/subcontractor to follow the GFE and provide the necessary information could jeopardize funding of the project. The following situations and circumstances require action as indicated:

1. If the apparent successful low bidder was rejected, a complete explanation must be provided;
2. Contractors must provide proof of DBE certification. Self-certification is not acceptable. Contractors must be certified at bid opening; and
3. Failure of the apparent low bidder to **perform** the GFE **prior** to bid opening will result in its bid being declared non-responsive. The construction contract may then be awarded to the next low, responsive, and responsible bidder that meets the requirements or the Recipient may re-advertise the project.
4. If there is a bid dispute, all disputes shall be settled **prior** to submission of the AOA package.

Each procurement contract signed by the Recipient must include the following term and condition:

"The contractor shall not discriminate on the basis of race, color, national origin or sex in their performance of this contract. The contractor shall carry out applicable requirements of 40 CFR Part 33 in the award and administration of contracts awarded under EPA financial assistance agreements. Failure by the contractor to carry out these requirements is a material breach of this contract which may result in the termination of this contract."

Reporting Requirements

For the duration of the construction contract, the Recipient is required to submit to State Water Resources Control Board (SWRCB) reports of progress made in fulfilling the GFE in the Semi-Annual Report submitted by April 10 and October 10 of each fiscal year on the attached Utilization Report form (UR-334). Failure to provide this information as stipulated in the financial agreement language may be cause for withholding disbursements.

CONTACT FOR MORE INFORMATION

SWRCB – CWSRF Barbara August 916-341-6952 baugust@waterboards.ca.gov
SWRCB – CWSRF Susan Damian 916-341-5494 sdamian@waterboards.ca.gov.
EPA Region 9 - Donna Turnley (415) 972-3833 turnley.donna@epa.gov.

**DISADVANTAGED BUSINESS ENTERPRISE (DBE)
GOOD FAITH EFFORT CERTIFICATION BY RECIPIENT**

1. The apparent successful low bidder on Clean Water State Revolving Fund Program funded project number C-06-_____ is _____
(Name of Bidder)

2. Before the State Water Resources Control Board can consider requests for an Approval Of Award (AOA) to any bidder, the Recipient must certify to the following:

DISADVANTAGED BUSINESS ENTERPRISE (DBE)

The bidder has obtained _____% of DBE participation for this contract.

Also submitted are the Contractor/Subcontractor Certification and Selected Prime Contractor/Recipient DBE forms that contain a complete list of those DBE firms subcontracted with or with whom other types of agreements were made. The list includes the names of the firm, address, phone number and dollar amount involved.

The following affirmative steps have been taken:

1. The contractor divided total requirements when economically feasible, into small tasks or quantities to permit maximum participation of DBE businesses.
2. The contractor established delivery schedules, where the requirements of the work permitted, which encouraged participation by DBE businesses.
3. The contractor included qualified DBE businesses on solicitation lists.
4. The contractor assures that DBE businesses were solicited, whenever they were potential sources.
5. The contractor used the services and assistance of the Small Business Administration, the Office of Minority Business Development Agency of the U.S. Department of Commerce, Department of General Services, or the Department of Transportation.

It must be understood that the Recipient in its role as a public trustee assumes primary responsibility to achieve an acceptable level of DBE utilization. This primary responsibility is a basic condition of the award of any Clean Water State Revolving Fund financial agreement. Where a Recipient fails to meet its obligations under these requirements the Recipient may be declared non-responsive and may have funding either annulled, suspended or terminated.

In accepting these responsibilities, I hereby certify to the above.

Name of Recipient

Signature of Authorized Representative

Date

Name and Title of Authorized Representative

NOTE: This form shall be submitted with the AOA package.

**STATE WATER RESOURCES CONTROL BOARD - DIVISION OF FINANCIAL ASSISTANCE
DISADVANTAGED BUSINESS ENTERPRISE (DBE) UTILIZATION
CLEAN WATER STATE REVOLVING FUND FINANCING AGREEMENT
INSTRUCTIONS FOR COMPLETING THE UR 334**

- Box 1** Grant or Financing Agreement Number.
- Box 2** Semi-annual reporting period. Choose one semi-annual period and enter the correct years.
- Box 3** Enter the dates between which you made procurements under this financing agreement or grant.
- Box 4** Enter the total amount of payments paid to the contractor or sub-contractors during this reporting period.
- Box 5** Enter Recipient's Name and Address.
- Box 6** Enter Recipient's Contact Name and Phone Number.
- Box 7** Enter details for the **DBE purchases only** and be sure to limit them to the current period. 1) Use either an "R" or a "C" to represent "Recipient" or "Contractor." 2) Enter a dollar total for DBE and total the two columns at the bottom of the section. 3) Provide the payment date. 4) Enter a product type choice from those at the bottom of the page. 5) List the vendor name and address in the right-hand column
- Box 8** Initial here if no DBE contractors or sub-contractors were paid during this reporting period.
- Box 9** Initial this box only if all purchases under this financing agreement or grant have been completed during this reporting period or a previous period. If you initial this box, we will no longer send you a survey.
- Box 10** This box is for explanatory information or questions.
- Box 11** Provide an authorized representative signature.
- Box 12** Enter the date form completed.

Signage.

The Recipient shall place a sign at least four feet tall by eight feet wide made of 3/4 inch thick exterior grade plywood or other approved material in a prominent location on the Project site. The sign shall include the following color logos (available from the division) and the following disclosure statement:

“Funding for this project has been provided in full or in part by the Clean Water State Revolving Fund through an agreement with the State Water Resources Control Board. California’s Clean Water State Revolving Fund is capitalized through a variety of funding sources, including grants from the United States Environmental Protection Agency and state bond proceeds.”

“This Project is also financed under the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Proposition 84), administered by State of California, Department of Water Resources through an agreement with the Santa Ana Watershed Project Authority implementing the One Water, One Watershed 2.0 Program.”

The Project sign may include another agency's required promotional information so long as the above logos and disclosure statement are equally prominent on the sign. The sign shall be prepared in a professional manner.



Written Documents, Reports or Brochures

The Recipient shall Include the following disclosure statement and logos in any document, written report, or brochure prepared in whole or in part pursuant to this Agreement:

Funding for this project has been provided in full or in part through an agreement with the State Water Resources Control Board and the Department of Water Resources through an agreement with the Santa Ana Watershed Project Authority implementing the One Water, One Watershed 2.0 Program. The contents of this document do not necessarily reflect the views and policies of the State Water Resources Control Board, the Department of Water Resources or the Santa Ana Water Project Authority nor does mention of trade names or commercial products constitute endorsement or recommendation for use. (Gov. Code § 7550, 40 CFR § 31.20.)



The Recipient shall be required to maintain separate books, records and other material relative to the Project. The Recipient shall also be required to retain such books, records, and other material for itself and for each contractor or subcontractor who performed work on this project for a minimum of thirty-six (36) years after Project Completion. The Recipient shall require that such books, records, and other material be subject at all reasonable times (at a minimum during normal business hours) to inspection, copying, and audit by the State Water Board, the Bureau of State Audits, the United States Environmental Protection Agency (USEPA), the Office of Inspector General, the Internal Revenue Service, the Governor, or any authorized representatives of the aforementioned, and shall allow interviews during normal business hours of any employees who might reasonably have information related to such records. The Recipient agrees to include a similar right regarding audit, interviews, and records retention in any subcontract related to the performance of this Agreement. The provisions of this section shall survive the discharge of the Recipient's Obligation hereunder and shall survive the term of this Agreement.

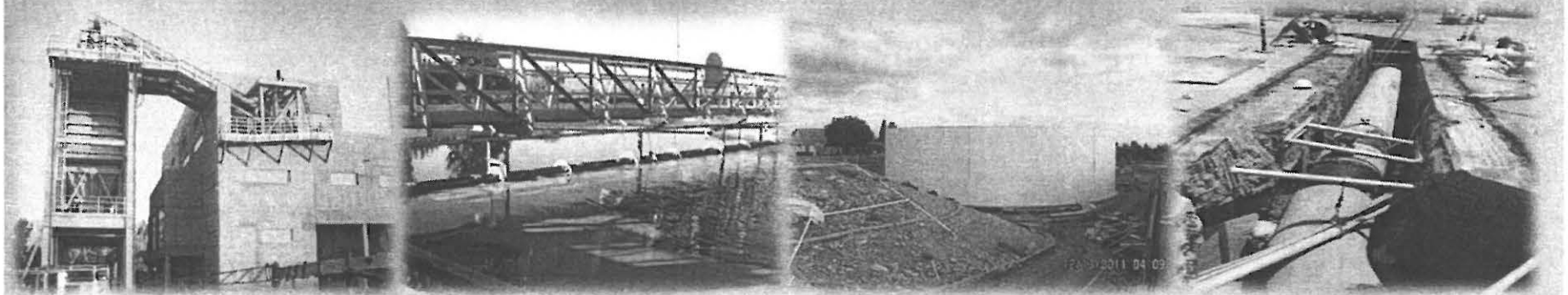
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INFORMATION
ITEM

3A

Engineering and Construction Management Project Updates

November 2014



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

Majid Karim, P.E.,
Acting Manager of Engineering

David Mendez,
Deputy Manager of Construction Management

EN13054 - Montclair Lift Station Upgrades EN11035 - Philadelphia Pump Station Upgrades

- Contractor: GSE Construction.
- Current Contract Value: \$3.2 M
- Scope of Work: Upgrade electrical, control system, pump and valve replacement
- Current Activities:
 - Montclair - Change out Electrical service
 - Philadelphia - Preparation for pump station bypass
- Contractor Completion: March 2015
- Percent Complete: 30%
- Focus Points:
 - Montclair LS - Redesign Heating, Ventilation, and Air Conditioning (HVAC)
 - Philadelphia PS - Double shift to complete work within agreed shutdown period

Project Valves



EN06025 – Wineville Recycled Water Pipeline Extension Segment A

- Contractor: CCL Contracting, Inc.
- Current Contract Value: \$10.2 M
- Scope of Work: Construct 2.5 miles of 36-inch RW Pipeline and 1.0 mile of 24-inch RW Pipeline
- Current Activities:
 - Contractor Mobilization
 - Ameron plant production at new facility
- Contractor Completion: July 2015
- Percent Complete: 8%
- Focus Points :
 - Pipe fabrication Quality Assurance & Quality Control
 - Revise alignment based on pothole results
 - Compacted sand backfill in lieu of slurry backfill
 - Jack & bore under Mulberry Ave. requested

Contractor Mobilization: Electrical Power to Yard



EN13045 – Wineville Recycled Water Pipeline Extension Segment B

- Contractor: Mike Bubalo Construction
- Current Contract Value: \$8.9 M
- Scope of Work: Construct 2.8 miles of 36-inch RW Pipeline
- Current Activities:
 - Purchase of property easement for proposed realignment
- Contractor Completion: July 2015
- Percent Complete: 12%
- Focus Points :
 - Proposed pipe realignment
 - Pipe fabrication QA/QC
 - Compacted sand backfill in lieu of slurry backfill
 - VECP potential savings to IEUA estimated to be \$750,000

Potholing In City of Fontana – Banana Street



EN13023 – 930 Zone Recycled Water Pipeline

- Contractor: MNR Construction, Inc.
- Current Contract Value: \$12.0 M
- Scope of Work:
 - Construct 2.4 miles of 30-inch RW Pipeline
- Current Activities:
 - Placement of pipeline on Caltrans easement
- Contractor Completion: December 2014
- Percent Complete: 93%
- Focus Points:
 - Project closure activities
 - Remedial street and manhole repair at Foxglove and Daisy Drive.

Jack and Bore Pit - Pipe Connection at Eucalyptus and Pipeline



RA11004 – IERCF Conveyance Improvements

- Contractor: Olsson Construction
- Current Contract Value: \$3.3 M
- Scope of Work: Belt conveyor modifications
- Current Activities:
 - Conveyor #27 catwalk and handrail installation
 - Conveyor #29 installation and support modifications
- Contractor Completion: February 2015
- Percent Complete: 75%
- Focus Points:
 - Custom Conveyor Corporation
 - Conveyor #24 electromagnet and structure
 - Conveyor #19 Existing Truss Defect Corrections

Conveyor #29 Installation



EN13040, EN13042, EN13043 – Prado Lake, Philadelphia PS, and Montclair LS Communication Systems

- Scope of Work: Design and construct communication systems at three critical sites
- Design/Build Contract Awarded in December 2013 to Dahl, Taylor & Associates, Inc. (DT&A)
- Design/Build Contract:
 - Finalized design (geotechnical, radio path surveys, etc.)
 - Procured major equipment (monopoles, radios)
 - 0% Construction completion
 - Consultant/Contractor is going out of business
- Design/Build Contract Value: \$426,003 (\$187,728 paid to date)
- New Construction Cost Estimate: \$630,000
- Issued *Termination Notice* to DT&A
- Lessons learned: Bonding to include design and construction
- Prequalify communication system contractor
- Anticipated Board Consideration: January 2015

Geotechnical Boring



Emergency Projects

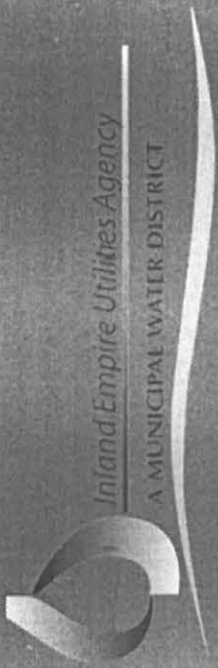
- Chino Desalter Sulphuric Acid Line Repair = Estimated Cost \$165,000
- RP-1 Dewatering/Sludge Handling Facility Stairways = Estimated Cost \$428,000
- RP-4 Recycled Water Connection = Estimated Cost \$22,000
- HQ-B Backflow Device = Estimated Cost \$10,000
- RP1 Bio Filter Odor Control = Estimated Cost \$80,000

HQ-B Backflow Device -
Before



HQ-B Backflow Device -
After





Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

Questions?



INFORMATION
ITEM

3B

Update on MWD Purchase Order



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

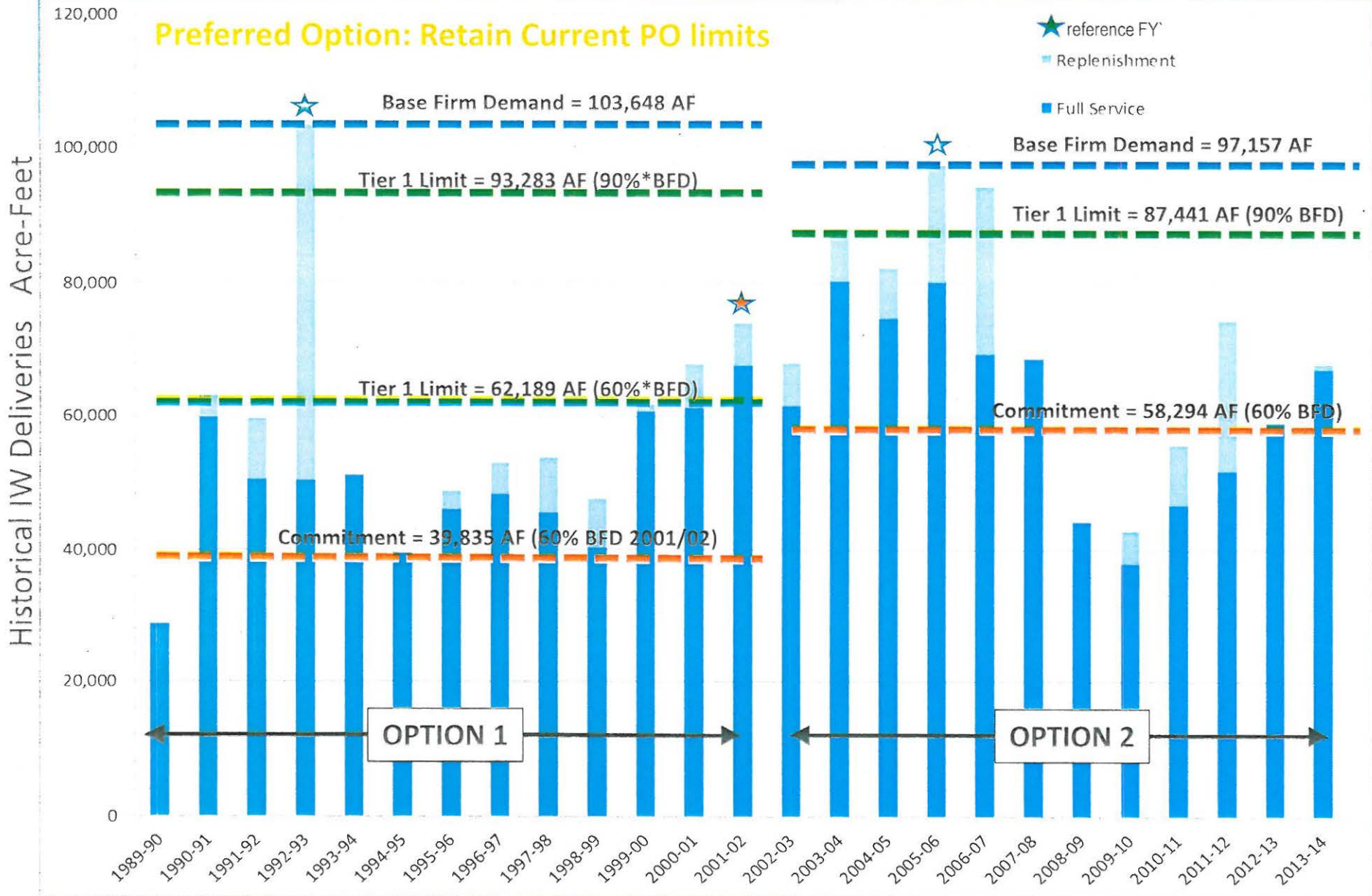
November 18, 2014

MWD Purchase Order Proposal

- Purchase Order (PO) Expires December 31, 2014
- MWD Proposing New PO, 10-Year Term
- Resets Limits Using Unique Base Period Options

- Option 1 PO Base Firm Demand 1990-2002
- Option 2 PO Base Firm Demand 2003-2014
- Option 3 No PO

MWD Purchase Order Options



Summary & Provisions

MWD PO Options	Base Period	BFD	Tier 1 Limit		Commitment	
1	1990-2002	103,648 AFY	90% BFD	93,283 AFY	60% of 2001/02	39,835 AFY
2	2003-2014	97,157 AFY	90% BFD	87,441 AFY	60% BFD	58,294 AFY
No PO	1990-2002	103,648 AFY	60% BFD	62,189 AFY	None	0 AFY

- Tier 1 limit and commitment are cumulative over the term.
- Tier 2 for POs are paid annually or at end the term. Tier 2 for no PO is paid annually.
- Unmet cumulative commitment is paid at end of term.
- PO commitment will exclude WSAP years
- To accommodate for growth, BFD can be recalculated using recent 5-year rolling average

Next Steps

- November 18, 2014 - MWD Board Action
- December 17, 2014 - IEUA Board Action
- December 31, 2014 - Current PO Expire
- January 1, 2015 - New MWD PO Starts



Ireland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Questions?





INFORMATION
ITEM


3D


Date: November 19, 2014

To: The Honorable Board of Directors

Through:  Finance, Legal, and Administration Committee (11/12/14)

From:  P. Joseph Grindstaff
General Manager

Submitted by:  Christina Valencia
Chief Financial Officer/Assistant General Manager

 Javier Chagoyen-Lazaro
#982
Manager of Finance and Accounting

Subject: Treasurer's Report of Financial Affairs

RECOMMENDATION

The Treasurer's Report of Financial Affairs for the month ended September 30, 2014, is an informational item for the Board's review.

BACKGROUND

The Treasurer's Report of Financial Affairs for the month ended September 30, 2014, is submitted in a format consistent with State requirements. The monthly report denotes investment transactions that have been executed in accordance with the criteria stated in the Agency's Investment Policy (Resolution No. 2014-6-11).

Total cash, investments, and restricted deposits of \$135,567,494 reflect a decrease of \$4,022,633 compared to the total reported for August 2014. The decrease is primarily attributed to increased capital expenditures and the first quarterly payment to County Sanitation District of Los Angeles County under the new agreement. This resulted in a decline in the average days of cash on hand to 178 days for the month ended September 30, 2014 compared to 182 days reported in August 2014. Average days of cash on hand is calculated using the monthly ending balance of unrestricted cash and cash equivalents divided by disbursements associated with operating expenses, debt service and capital expenditures as recorded in the Agency's cash flow.

The Agency's investment portfolio average rate of return in September 2014 was 0.460%, 0.012% lower than the yield of 0.472% reported for August 2014. The reduction in yield was due to a decrease in average monthly effective yields from LAIF and Bank of the West. The LAIF

yield was lower by 0.014% and the Bank of the West yield decreased 0.070% for the month of September.

The Financial Affairs report is consistent with the Agency's Business Goal of Fiscal Responsibility in providing financial reporting that accounts for cash and investment activities to fund operating requirements and to optimize investment earnings.

PRIOR BOARD ACTION

The Board reviewed the Financial Affairs Report for the month of August, 2014 on October 15, 2014.

IMPACT ON BUDGET

The interest earned on the Agency's investment portfolio increases the Agency's reserves.

Attachment: September 2014 Treasurer's Report of Financial Affairs

TREASURER'S REPORT OF FINANCIAL AFFAIRS

For the Month Ended September 30, 2014



All investment transactions have been executed in accordance with the criteria stated in the Agency's Investment Policy (Resolution No. 2014-6-11) adopted by the Inland Empire Utilities Agency's Board of Directors during its regular meeting held on June 18, 2014.

The funds anticipated to be available during the next six-month period are expected to be sufficient to meet all foreseen expenditures during the period.

* A Municipal Water District

INLAND EMPIRE UTILITIES AGENCY
Cash and Investment Summary

Month Ended
September 30, 2014

	September	August
<u>Cash, Bank Deposits, and Bank Investment Accounts</u>	<u>\$23,516,864</u>	<u>\$26,964,244</u>
<u>Investments</u>		
Local Agency Investment Fund (LAIF)	\$33,781,049	\$33,781,049
CalTrust	3,531,831	3,530,693
Certificates of Deposit	4,172,210	4,150,000
Municipal Bonds	4,086,241	4,097,407
Medium Term Notes	6,342,918	6,343,179
U.S. Treasury Notes	999,603	999,588
U.S. Government Sponsored Entities	9,579,839	11,084,984
Total Investments	<u>\$62,493,691</u>	<u>\$63,986,900</u>
 Total Cash and Investments Available to the Agency	 <u>\$86,010,555</u>	 <u>\$90,951,144</u>
 <u>Restricted Deposits</u>		
Debt Service Accounts	\$4,754,215	\$4,754,215
CCRA Deposits Held by Member Agencies	31,807,148	30,840,164
OPEB (CERBT) Account	6,883,874	7,075,850
Escrow Deposits	6,111,702	5,968,754
Total Restricted Deposits	<u>\$49,556,939</u>	<u>\$48,638,983</u>
 Total Cash, Investments, and Restricted Deposits	 <u><u>\$135,567,494</u></u>	 <u><u>\$139,590,127</u></u>

INLAND EMPIRE UTILITIES AGENCY
Cash and Investment Summary

Month Ended
September 30, 2014

Cash, Bank Deposits, and Bank Investment Accounts

Citizens Business Bank Demand/Sweep Account	\$13,280,754
Citizens Business Bank Workers' Compensation Account	50,610
Bank of America Payroll Account	42,546
Bank of America Payroll Taxes Account	42,257
Subtotal Demand Deposits	<u>\$13,416,167</u>

Other Cash and Bank Accounts

Petty Cash	<u>\$2,250</u>
Subtotal Other Cash	\$2,250

Bank of the West Money Market Account \$10,048,680

US Bank Pre-Investment Money Market Account \$49,767

Total Cash and Bank Accounts \$23,516,864

Investments

Local Agency Investment Fund (LAIF)

LAIF Non-Restricted Fund	\$27,938,142
LAIF Insurance Sinking Fund	5,842,907
Subtotal Local Agency Investment Fund	<u>\$33,781,049</u>

CalTrust

Short Term	<u>\$3,531,831</u>
Subtotal CalTrust	\$3,531,831

Certificates of Deposit

Citizens Business Bank	<u>\$4,172,210</u>
Subtotal Certificates of Deposit	\$4,172,210

INLAND EMPIRE UTILITIES AGENCY
Cash and Investment Summary

Month Ended
September 30, 2014

Investments Continued

Municipal Bonds

State and Local Municipal Bonds	\$4,086,241
Subtotal State Municipal Bonds	<u>\$4,086,241</u>

Medium Term Notes

Arden Realty/GE	\$342,623
Toyota Motor Corporation	1,001,929
General Electric Capital Corporation	997,136
JP Morgan Securities	2,998,708
John Deere Capital Corp	1,002,522
Subtotal Medium Term Notes	<u>\$6,342,918</u>

U.S. Treasury Notes

Treasury Note	\$999,603
Subtotal U.S. Treasury Notes	<u>\$999,603</u>

U.S. Government Sponsored Entities

Fannie Mae Bonds	\$999,839
Freddie Mac Bonds	2,580,000
Federal Home Loan Bank Bonds	6,000,000
Subtotal U.S. Government Sponsored Entities	<u>\$9,579,839</u>

Total Investments \$62,493,691

Restricted Deposits

Debt Service Reserves

05A Debt Service Accounts	\$2,209,475
08B Debt Service Accounts	2,544,710
10A Debt Service Accounts	30
Subtotal Debt Service Reserves	<u>\$4,754,215</u>

INLAND EMPIRE UTILITIES AGENCY
Cash and Investment Summary

Month Ended
September 30, 2014

CCRA Deposits Held by Member Agencies

City of Chino	\$7,972,252
Cucamonga Valley Water District	7,083,535
City of Fontana	5,276,742
City of Montclair	2,343,284
City of Ontario	4,190,151
City of Chino Hills	2,637,888
City of Upland	2,303,296
Subtotal CCRA Deposits Held by Member Agencies	\$31,807,148

CalPERS

OPEB (CERBT) Account	\$6,883,874
Subtotal CalPERS Accounts	\$6,883,874

Escrow Deposits

Chicago Title (Forestar/IEUA Holding Escrow)	\$5,139,563
First Enterprise Bank (Paso Robles Tank, Inc)	299,214
Community Bank (MNR Construction)	516,027
Community Bank (MS Construction)	96,064
Fresno First Bank (WM Lyles)	60,834
Subtotal Escrow Deposits	\$6,111,702

<i>Total Restricted Deposits</i>	\$49,556,939
-----------------------------------------	---------------------

<i>Total Cash, Investments, and Restricted Deposits as of September 30, 2014</i>	\$135,567,494
-----------------------------------------------------------------------------------------	----------------------

Total Cash, Investments, and Restricted Deposits as of 9/30/14	\$135,567,494
Less: Total Cash, Investments, and Restricted Deposits as of 8/31/14	139,590,127
<i>Total Monthly Increase (Decrease)</i>	(\$4,022,633)

INLAND EMPIRE UTILITIES AGENCY
Cash and Investment Summary

Month Ended
September 30, 2014

	Credit Rating @ Purchase		CHANGES IN Credit Rating		Par Amount	Cost Basis Amount	Term (Days)	September Amortization	September Value	% Coupon	% Yield to Maturity	Maturity Date	Market Value
	S&P	Moody's	S&P	Moody's									
Cash, Bank Deposits, and Bank Investment Accounts													
Citizens Business Bank													
Demand/Sweep Account					\$13,280,754	\$13,280,754	N/A	N/A	\$13,280,754		0.25%	N/A	\$13,280,754
Subtotal CBB					\$13,280,754	\$13,280,754			\$13,280,754		0.25%		\$13,280,754
Workers' Compensation Account					\$50,610	\$50,610	N/A	N/A	\$50,610		N/A	N/A	\$50,610
Subtotal CBB					\$50,610	\$50,610			\$50,610				\$50,610
Bank of America													
Payroll Checking					\$42,546	\$42,546	N/A	N/A	\$42,546		N/A	N/A	\$42,546
Payroll Tax Checking					42,257	42,257	N/A	N/A	42,257		N/A	N/A	42,257
Subtotal B of A					\$84,803	\$84,803			\$84,803		N/A		\$84,803
Bank of the West													
Money Market Plus - Business Account					\$10,048,680	\$10,048,680	N/A	N/A	\$10,048,680		0.19%	N/A	\$10,048,680
Subtotal Bank of the West Money Market					\$10,048,680	\$10,048,680			\$10,048,680		0.19%		\$10,048,680
US Bank													
Federated Automated MMA					\$49,767	\$49,767	N/A	N/A	\$49,767		0.01%	N/A	\$49,767
Subtotal USB Money Market					\$49,767	\$49,767			\$49,767		0.01%		\$49,767
Petty Cash					\$2,250	\$2,250	N/A	N/A	\$2,250		N/A	N/A	\$2,250
Total Cash, Bank Deposits and Bank Investment Accounts					\$23,516,864	\$23,516,864			\$23,516,864				\$23,516,864
Investments													
LAIF Accounts													
Non-Restricted Funds					\$27,938,142	\$27,938,142	N/A	N/A	\$27,938,142		0.246%	N/A	\$27,938,142
LAIF Sinking Fund					5,842,907	5,842,907	N/A	N/A	5,842,907		0.246%	N/A	5,842,907
Subtotal LAIF Accounts					\$33,781,049	\$33,781,049			\$33,781,049		0.246%		\$33,781,049
CALTRUST Accounts													
Short-Term					\$3,531,831	\$3,531,831	N/A	N/A	\$3,531,831		0.41%	N/A	\$3,531,831
Subtotal CalTrust Accounts					\$3,531,831	\$3,531,831			\$3,531,831		0.41%		\$3,531,831
Certificates of Deposit													
CBB Certificate of Deposit					\$4,172,210	\$4,172,210	425	N/A	\$4,172,210		0.45%	09/19/15	\$4,172,210
Subtotal Certificate of Deposits					\$4,172,210	\$4,172,210			\$4,172,210		0.45%		\$4,172,210

INLAND EMPIRE UTILITIES AGENCY
Cash and Investment Summary

Month Ended
September 30, 2014

	Credit Rating @ Purchase		CHANGES IN Credit Rating		Par Amount	Cost Basis Amount	Term (Days)	September Amortization	September Value	% Coupon	% Yield to Maturity	Maturity Date	Market Value
	S&P	Moody's	S&P	Moody's									
Investments (continued)													
US Treasury Note													
US Treasury Note	N/A	AAA			\$1,000,000	\$999,463		15	\$999,603	0.63%	0.64%	12/15/16	\$997,890
Subtotal Treasuries					\$1,000,000	\$999,463		15	\$999,603	0.64%	0.64%		\$997,890
U.S. Government Sponsored Entities (As of August 2011, all US GSE's have been downgraded to AA+ Rating by S&P)													
Freddie Mac Bond	AA+	AAA			1,000,000	1,000,000	1,080		1,000,000	0.75%	0.75%	12/19/16	998,340
Federal Home Loan Bank	AA+	AAA			2,000,000	2,000,000	1,080		2,000,000	0.63%	0.63%	08/28/17	1,994,960
Fannie Mae Bond	AA+	AAA			1,000,000	999,750	1,800	4	999,839	0.75%	0.75%	12/18/17	997,380
Federal Home Loan Bank	AA+	AAA			2,000,000	2,000,000	1,260		2,000,000	1.33%	1.33%	01/16/18	1,995,920
Federal Home Loan Bank	AA+	AAA			2,000,000	2,000,000	1,800		2,000,000	1.25%	1.25%	04/24/19	2,005,420
Freddie Mac Bond	AA+	AAA			1,580,000	1,580,000	1,779		1,580,000	1.13%	1.13%	05/28/19	1,581,217
Subtotal U.S. Gov't Sponsored Entities					\$9,580,000	\$9,579,750		4	\$9,579,839	1.01%	1.01%		\$9,573,237
Municipal Bonds													
Riverside County CA Asset Leasing Corp	AA-	N/R			\$515,000	\$531,176			(\$1,028)	3.00%	0.55%	11/01/14	\$516,282
California State General Obligation Bond	A-	A1	A		1,000,000	1,117,280			(3,322)	5.00%	0.89%	02/01/15	1,016,460
California State General Obligation Bond	A-	A1	A		1,500,000	1,673,955			(4,740)	5.45%	1.50%	04/01/15	1,535,235
California State General Obligation Bond	A-	A1	A	A1	1,000,000	1,089,000			(2,078)	3.95%	1.35%	11/01/15	1,035,900
Subtotal State and Local Municipal Bonds					\$4,015,000	\$4,411,411			(\$11,168)	1.19%	1.19%		\$4,103,877
Medium Term Notes													
Arden Realty/General Electric	AA+	AA2	AA+	A1	\$340,000	\$364,691	1,431		(\$518)	5.25%	3.26%	03/01/15	\$342,632
JP Morgan Securities	A	A2		A3	2,000,000	1,993,460	659		294	0.80%	0.98%	04/23/15	2,005,280
Toyota Motor Credit Corp	AA-	AA3			1,000,000	1,006,293	934		(200)	0.88%	0.87%	07/17/15	1,004,350
General Electric Floating Rate (75 bp over Libor -1% floor)	AA+	AA2	AA+	A1	1,000,000	988,500	1,265		273	1.26%	1.26%	08/11/15	1,006,410
JP Morgan Securities	A	A2		A3	1,000,000	1,001,500	1,079		(41)	1.125%	1.07%	02/26/16	1,004,120
John Deere Capital Corp	A	A2			1,000,000	1,004,000	1,729		(68)	1.85%	1.11%	10/10/17	995,730
Subtotal Medium Term Notes					\$6,340,000	\$6,358,444			(\$260)	1.17%	1.17%		\$6,358,522
Total Investments					\$62,420,090	\$62,834,158			\$62,493,691				\$62,518,616

Source of Investment Market Value: US Bank

INLAND EMPIRE UTILITIES AGENCY
Cash and Investment Summary

Month Ended
September 30, 2014

	Credit Rating @ Purchase		CHANGES IN Credit Rating		Par Amount	Cost Basis Amount	Term (Days)	September Amortization	September Value	% Coupon	% Yield to Maturity	Maturity Date	Market Value
	S&P	Moody's	S&P	Moody's									
Restricted Deposits													
Debt Service and Arbitrage Accounts													
05A Debt Service Accts													
US Bank Debt Serv. Accounts					\$2,209,475	\$2,209,475	N/A	N/A	\$2,209,475		0.00%	N/A	\$2,209,475
Subtotal '05A Debt Service Accts					\$2,209,475	\$2,209,475			\$2,209,475		0.00%		\$2,209,475
08B Debt Service Accounts													
US Bank Debt Serv. Accounts					\$2,544,710	\$2,544,710	N/A	N/A	\$2,544,710		0.00%	N/A	\$2,544,710
Subtotal '08B Debt Service Accts					\$2,544,710	\$2,544,710			\$2,544,710		0.00%		\$2,544,710
10A Debt Service Accounts													
US Bank Debt Serv. Accounts					\$30	\$30	N/A	N/A	\$30		0.03%	N/A	\$30
Subtotal '10A Debt Service Accts					\$30	\$30			\$30		0.03%		\$30
Total Debt Service Accounts					\$4,754,215	\$4,754,215			\$4,754,215				\$4,754,215

INLAND EMPIRE UTILITIES AGENCY
Cash and Investment Summary

Month Ended
September 30, 2014

	Credit Rating @ Purchase		CHANGES IN Credit Rating		Par Amount	Cost Basis Amount	Term (Days)	September Amortization	September Value	% Coupon	% Yield to Maturity	Maturity Date	Market Value
	S&P	Moody's	S&P	Moody's									
CCRA Deposits Held by Member Agencies													
City of Chino					\$7,972,252	\$7,972,252	N/A	N/A	\$7,972,252		N/A	N/A	\$7,972,252
Cucamonga Valley Water District					7,083,535	7,083,535	N/A	N/A	7,083,535		N/A	N/A	7,083,535
City of Fontana					5,276,742	5,276,742	N/A	N/A	5,276,742		N/A	N/A	5,276,742
City of Montclair					2,343,284	2,343,284	N/A	N/A	2,343,284		N/A	N/A	2,343,284
City of Ontario					4,190,151	4,190,151	N/A	N/A	4,190,151		N/A	N/A	4,190,151
City of Chino Hills					2,637,888	2,637,888	N/A	N/A	2,637,888		N/A	N/A	2,637,888
City of Upland					2,303,296	2,303,296	N/A	N/A	2,303,296		N/A	N/A	2,303,296
<i>Subtotal CCRA Deposits Held by Member Agencies</i>					<u>\$31,807,148</u>	<u>\$31,807,148</u>			<u>\$31,807,148</u>				<u>\$31,807,148</u>
(Totals as reported through August 31, 2014)													
CalPERS Deposits													
OPEB (CERBT) Account					\$7,017,679	\$7,017,679	N/A	N/A	\$6,883,874		N/A	N/A	\$6,883,874
Subtotal CalPERS Deposits					<u>\$7,017,679</u>	<u>\$7,017,679</u>			<u>\$6,883,874</u>				<u>\$6,883,874</u>
Escrow Deposits													
Forestar/IEUA Holding Escrow (RP-1 Outfall)					\$5,139,563	\$5,139,563	N/A	N/A	\$5,139,563		N/A	N/A	\$5,139,563
MNR Construction					516,027	516,027	N/A	N/A	516,027		N/A	N/A	516,027
MS Construction Management Group					96,064	96,064	N/A	N/A	96,064		N/A	N/A	96,064
WM Lyles					60,834	60,834	N/A	N/A	60,834		N/A	N/A	60,834
Paso Robles Tank					299,214	299,214	N/A	N/A	299,214		N/A	N/A	299,214
Subtotal Escrow Deposits					<u>\$6,111,702</u>	<u>\$6,111,702</u>			<u>\$6,111,702</u>				<u>\$6,111,702</u>
Total Restricted Deposits					<u>\$49,690,744</u>	<u>\$49,690,744</u>			<u>\$49,556,939</u>				<u>\$49,556,939</u>
Total Cash, Investments, and Restricted Deposits as of September 30, 2014					<u>\$135,627,698</u>	<u>\$136,041,766</u>			<u>\$135,567,494</u>				<u>\$135,592,419</u>

INLAND EMPIRE UTILITIES AGENCY
Cash and Investment Summary

Month Ended
September 30, 2014

August Purchases

No.	Date	Transaction	Investment Security	Par Amount Purchased	Investment Yield
1	09/19/14	Purchase	CBB Certificate of Deposit	\$ 4,172,210	0.450%

Total Purchases

\$ 4,172,210

August Investment Maturities, Calls & Sales

No.	Date	Transaction	Investment Security	Par Amount Matured/Sold	Investment Yield to Maturity
1	09/19/14	Maturity	CBB Certificate of Deposit	\$ 4,150,000	0.450%
2	09/26/14	Full Call	Fannie Mae Gov't Bond	1,500,000	1.200%

Total Maturities, Calls & Sales

\$ 5,650,000

INLAND EMPIRE UTILITIES AGENCY
Cash and Investment Summary

Month Ended
September 30, 2014

Directed Investment Category

	<u>Amount Invested</u>	<u>Yield</u>
Investment in the Local Agency Investment Fund	\$33,781,049	0.246%
CalTrust	3,531,831	0.410%
Medium Term Notes	6,342,918	1.165%
Municipal Bonds	4,086,241	1.189%
US Treasury Notes	999,603	0.640%
U.S. Government Sponsored Entities	9,579,839	1.012%
	\$58,321,481	0.608%

Bank Investment Accounts

Citizens Business Bank - Demand/Sweep Account	\$13,280,754	0.250%
Citizens Business Bank - Certificate of Deposit	4,172,210	0.450%
Bank of the West Money Market Account	10,048,680	0.190%
	\$27,501,644	0.224%

Total Portfolio

Investment Portfolio Rate of Return

\$85,823,125
0.460%

Restricted/Transitory/Other Demand Accounts

	<u>Amount Invested</u>	<u>Yield</u>
US Bank - 2005A Debt Service Account	\$2,209,475	0.000%
US Bank - 2008B Debt Service Accounts	2,544,710	0.000%
US Bank - 2010A Debt Service Accounts	30	0.030%
CCRA Deposits Held by Member Agencies	31,807,148	N/A
Citizens Business Bank - Workers' Compensation Account	50,610	N/A
US Bank - Pre-Investment Money Market Account	49,767	0.010%
CalPERS OPEB (CERBT) Account	6,883,874	N/A
Other Accounts*	87,053	N/A
	\$43,632,667	

Total Other Accounts

Average Yield of Other Accounts

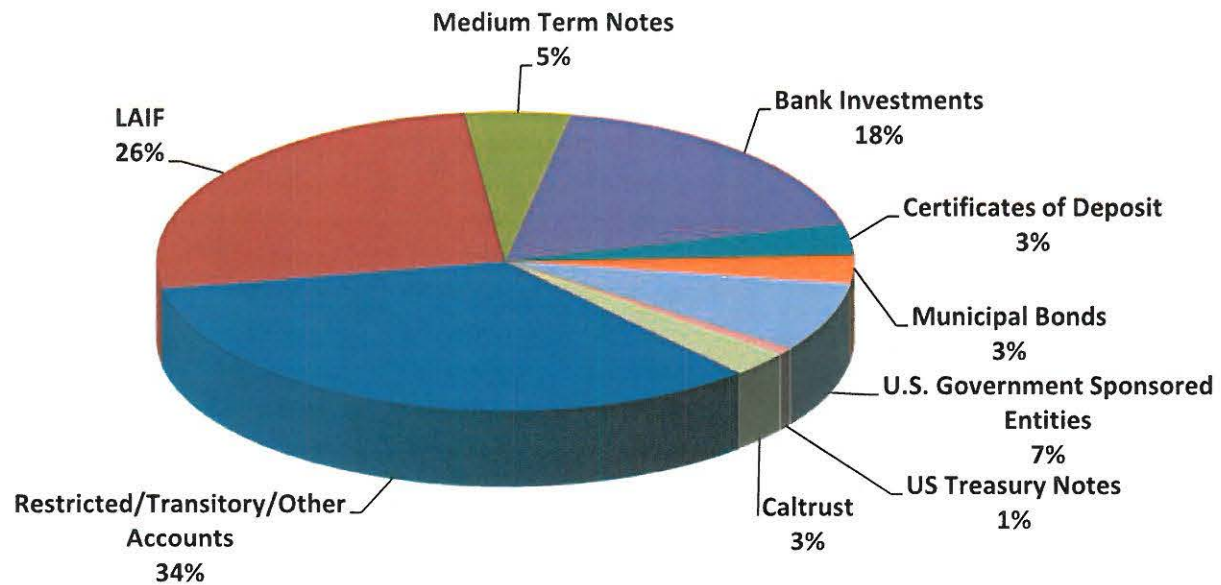
0.000%

Total Agency Directed Deposits

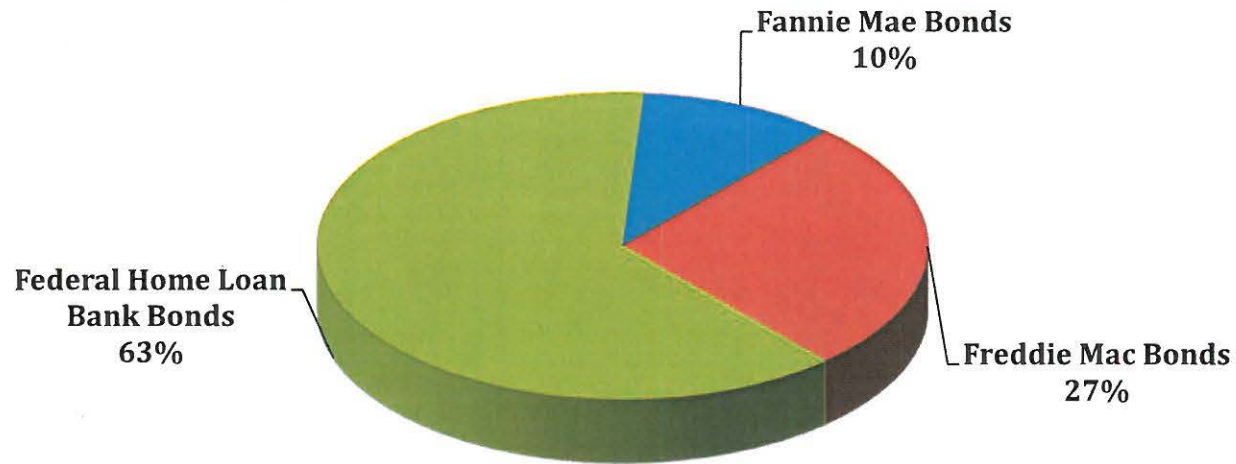
\$129,455,792

* Note: Bank of America Payroll Deposits used as compensating balances for bank services.

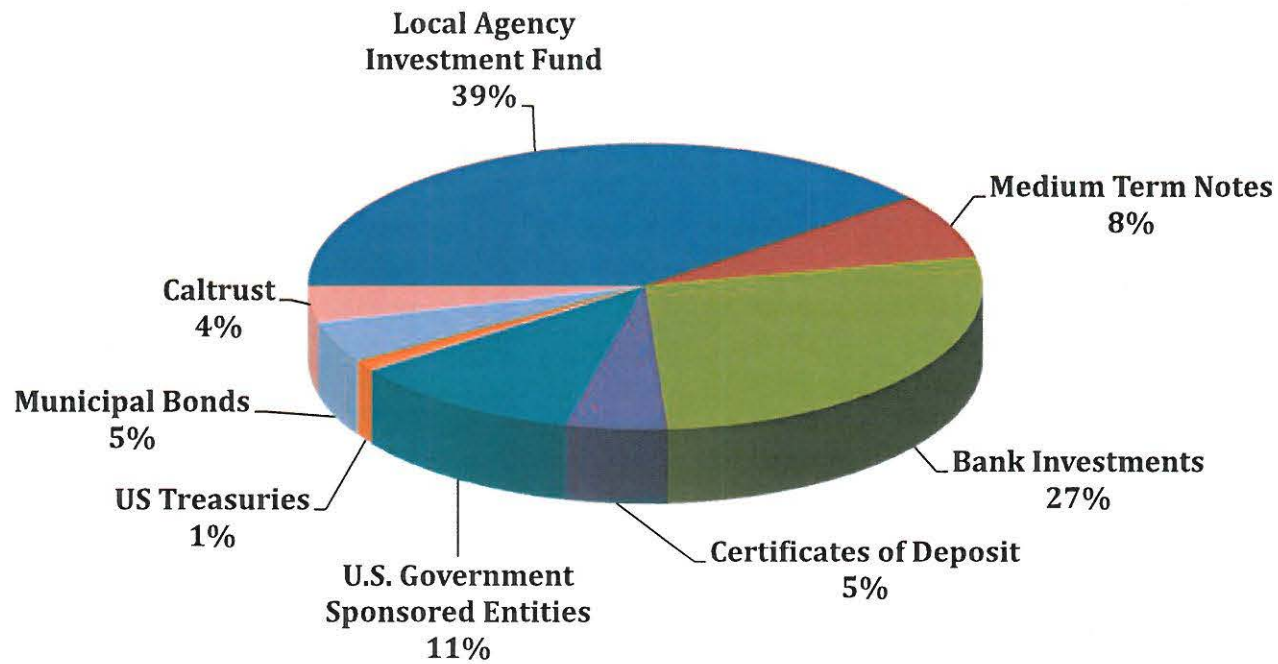
Inland Empire Utilities Agency
Treasurer's Report of Financial Affairs
For the Month Ended September 30, 2014
Combined Agency Portfolio (net of escrow deposits)
\$129,405,792



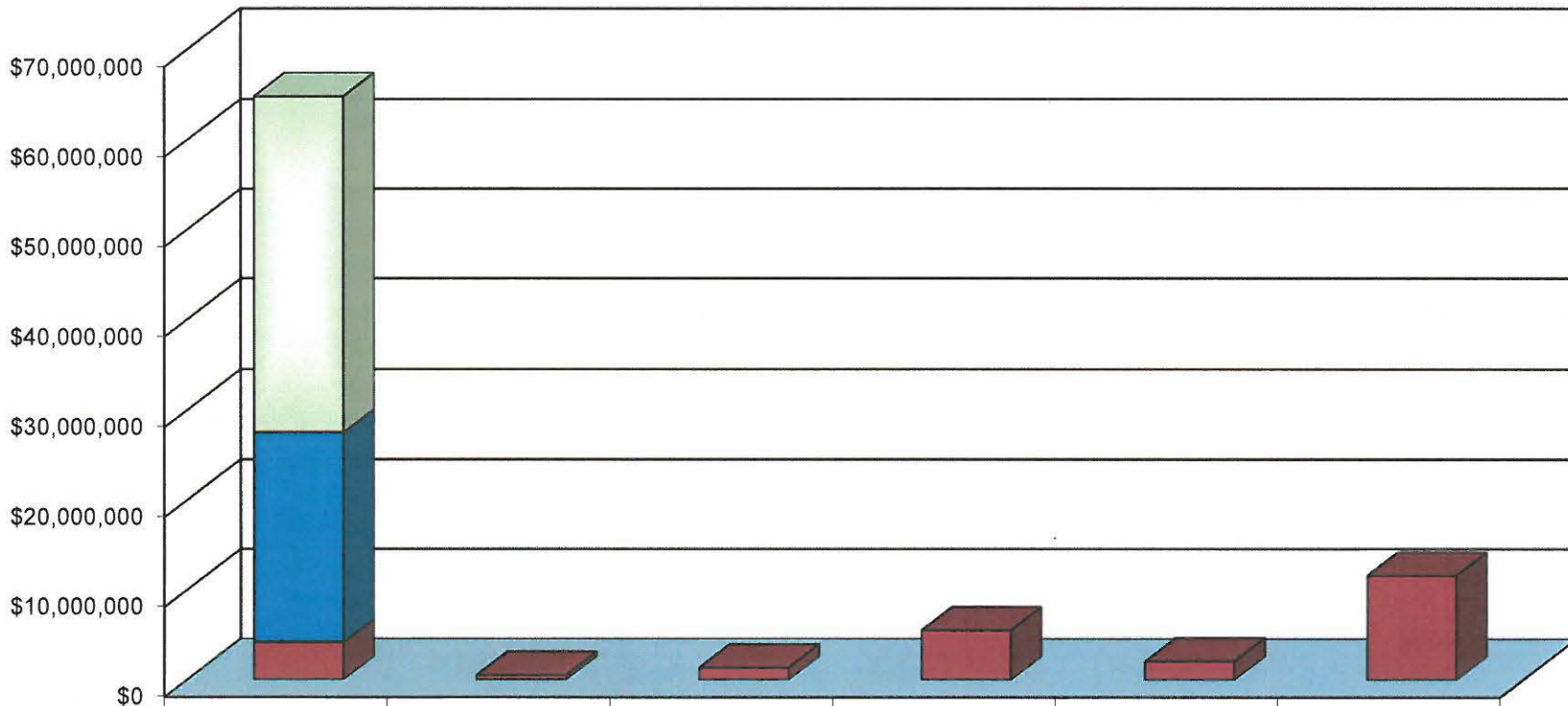
Inland Empire Utilities Agency
Treasurer's Report of Financial Affairs
For the Month Ended September 30, 2014
U.S. Government Sponsored Entities Portfolio
\$9,579,839



Inland Empire Utilities Agency
Treasurer's Report of Financial Affairs
For the Month Ended September 30, 2014
Unrestricted Agency Investment Portfolio
\$85,823,125

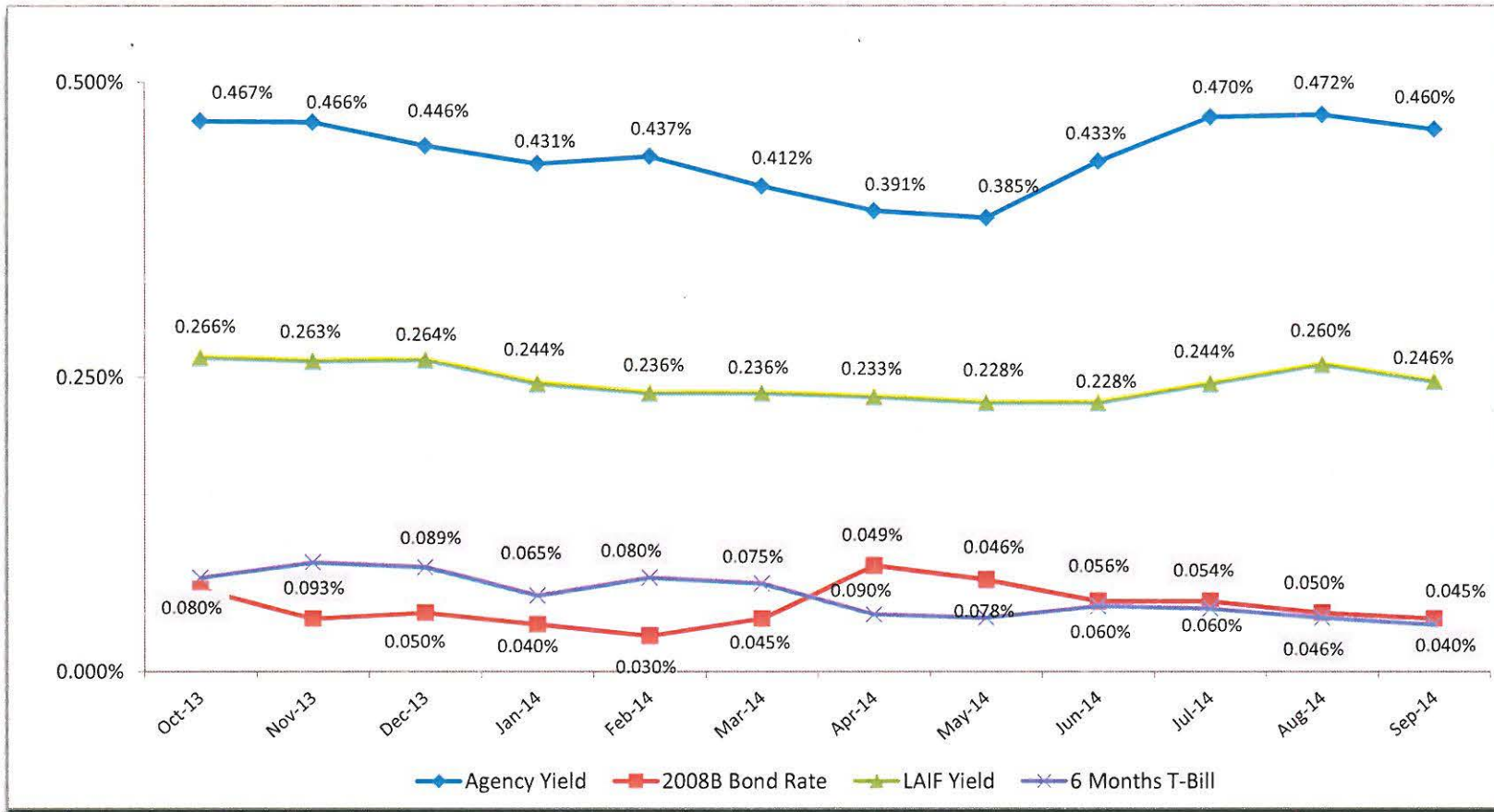


Inland Empire Utilities Agency
Treasurer's Report of Financial Affairs
For the Month Ended September 30, 2014
Directed Investment Portfolio Maturity Distribution
\$85,823,125



	0-30 Days	31-90 Days	91-180 Days	181-365 Days	366-730 Days	Over 2 Yrs
□ LAIF + CalTrust	\$37,312,880					
■ Bank Invest	\$23,329,434					
■ GSE+CD+MTN+MUNI	\$4,172,210	\$516,097	\$1,356,356	\$5,525,982	\$2,028,202	\$11,581,964
□ Percent	75.52%	0.60%	1.58%	6.44%	2.36%	13.50%

Inland Empire Utilities Agency
Treasurer's Report of Financial Affairs
 Demand Deposit Accounts
 Agency Yield Comparison





Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

Treasurer's Report of Financial Affairs

for September 30, 2014

November 2014

Report of Financial Affairs



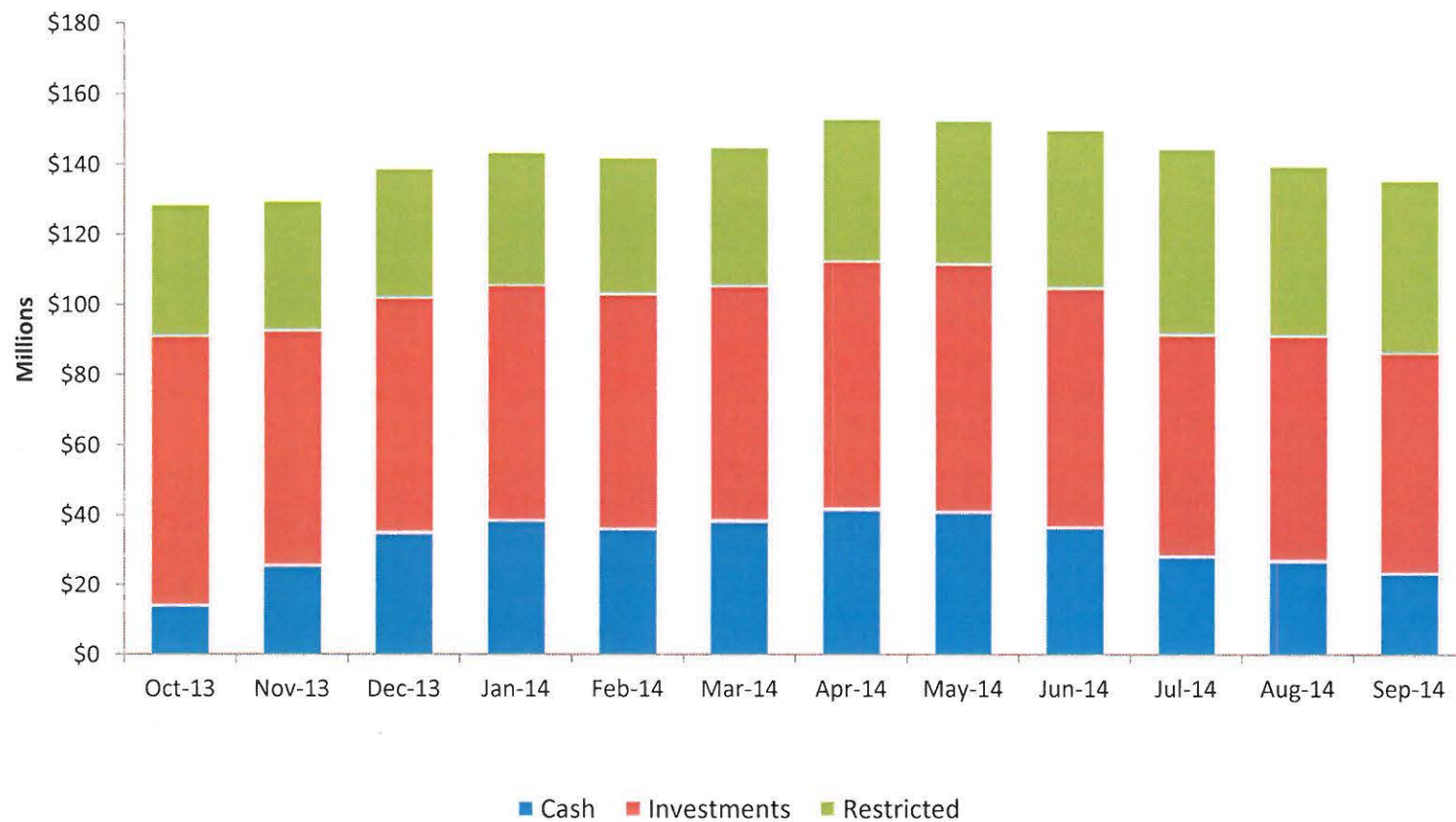
Liquidity

Description	September 2014	August 2014	Increase (Decrease)
Cash, Investments, Restricted Deposits	\$135.6M	\$139.6M	(\$4.0M)
Investment Portfolio Yield	0.460%	0.472%	(0.012%)
Average Days Cash on Hand	178 Days	182 Days	(14 Days)

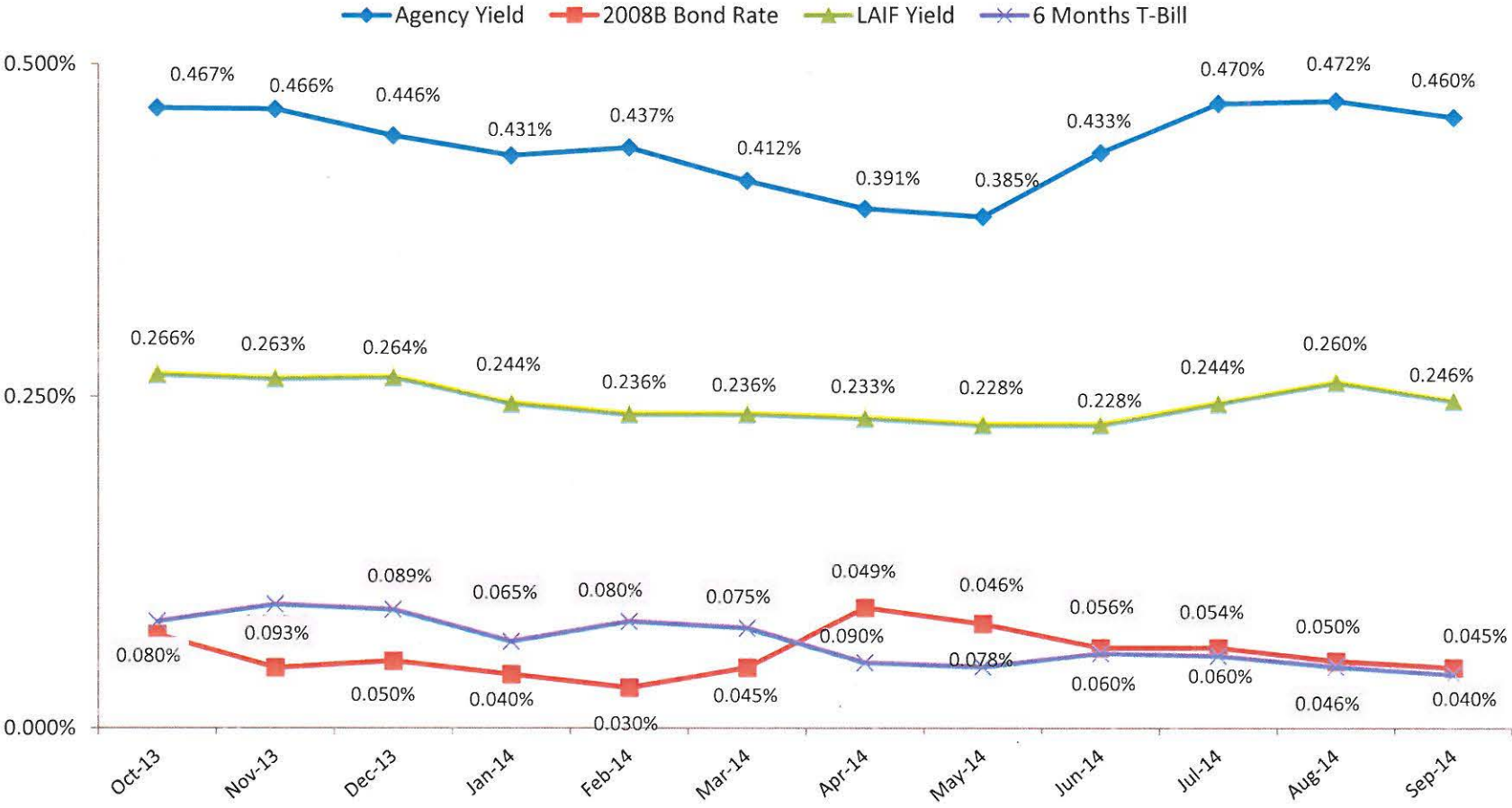
Portfolio

Description	Allowable Threshold	Investment Value (\$ million)	Yield	Current Portfolio %
Short Term, Under 1 Year:				
LAIF	\$50M	\$33.8	0.246%	39%
CalTrust	\$20M	\$3.5	0.410%	4%
Citizens Business –Sweep	40%	\$13.3	0.250%	16%
CBB – Certificate of Deposit	20%	\$4.2	0.450%	5%
Bank of the West – MMA	20%	\$10.0	0.190%	12%
State and Local Municipal Bonds	9%	\$3.1	1.140%	4%
Medium Term Notes	20%	\$4.3	1.198%	5%
1 to 3 Years:				
State and Local Municipal Bonds	9%	\$1.0	1.350%	1%
Medium Term Notes	20%	\$2.0	1.090%	2%
US Treasury Note	n/a	\$1.0	0.640%	1%
US Government Securities	n/a	\$3.0	0.667%	4%
Over 3 Years:				
US Government Securities	n/a	\$6.6	1.170%	7%

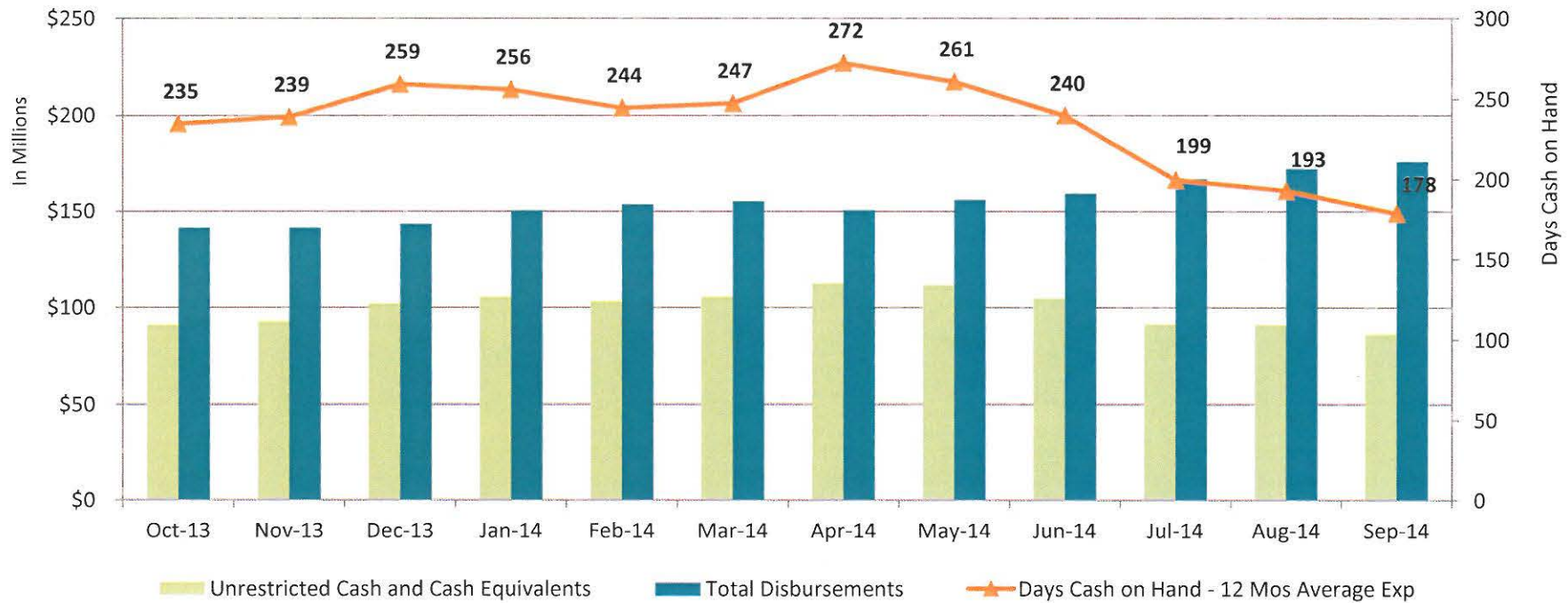
Cash, Investments and Restricted Deposits



Month End Portfolio Yield Comparison



Day Cash On Hand 12 Months Rolling Average





Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT


QUESTIONS?


INFORMATION
ITEM


3E


Date: November 19, 2014

To: The Honorable Board of Directors

Through:  Finance, Legal, and Administration Committee (11/12/14)

From:  P. Joseph Grindstaff
General Manager

Submitted by:  Christina Valencia
Chief Financial Officer/Assistant General Manager

 Sharmeen Bhojani
Manager of Human Resources

Subject: Funding of Estimated Workers' Compensation Liabilities

RECOMMENDATION

This is an informational item for the Board of Directors.

BACKGROUND

On August 1, 1993, the Agency commenced self-insuring its workers' compensation obligations. As a self-insured public entity, the Agency is required to file an annual report, on a fiscal year basis, with the California Department of Industrial Relations. Additionally, pursuant to Labor Code Section 3702.6(b), staff is required to inform the Board of Directors within 90 days of the submission of said report, what the Agency's total estimated workers' compensation liabilities are, and if funding of these liabilities is in compliance with the requirements of Government Accounting Standards Board Publication No. 10.

The Agency's annual self-insured workers' compensation report for fiscal year ending June 30, 2014, was filed with the Department of Industrial Relations on September 17, 2014. As of June 30, 2014, the Agency's total estimated future workers' compensation liabilities for open claims since the program's inception is \$229,358. This represents a decrease of \$34,024 from last year's liability of \$263,382. The decrease is attributable to the closure of several claims and reserve adjustments.

Workers' compensation claims and self-insurance reserves are funded in the Agency's Administrative Services (GG) fund. As of June 30, 2014, the Agency's self-insured workers' compensation reserve increased by approximately 5 percent to \$1,567,748. Additionally, the

Funding of Estimated Workers' Compensation Liabilities

November 19, 2014

Page 2 of 2

Agency's funding of said liabilities is in compliance with Government Accounting Standards Board Publication No. 10.

The funding of estimated workers compensation liabilities is consistent with the Agency's *Business Practices* business goal to be fiscally responsible in all aspects of business.

PRIOR BOARD ACTION

None

IMPACT ON BUDGET

Funding for workers' compensation claims is appropriated in the Administrative Services (GG) fund FY 2014/15 Budget (account number 10200-121100-100000-509720).


INFORMATION
ITEM


3F

Date: November 19, 2014

To: The Honorable Board of Directors

Through: Public, Legislative Affairs, and Water Resources Committee (11/12/14)

From:  P. Joseph Grindstaff
General Manager

Submitted by: Kathryn Besser 
Manager of External Affairs

Subject: Public Outreach and Communication

RECOMMENDATION

This is an informational item for the Board of Directors to receive and file.

BACKGROUND

November 2014

- November 8, Solar Cup Boat Building Workshop, Three Valleys MWD (1021 E. Miramar Avenue, Claremont), 8:00 a.m.
- November 15, Solar Cup Boat Building Workshop, Three Valleys MWD (1201 E. Miramar Avenue, Claremont), 8:00 a.m.
- November 18, Supervisor Ovitt's Farewell Board Meeting and Reception, Board Chambers (385 N. Arrowhead Avenue, San Bernardino), 10:00 a.m.

December 2014

- December 12, Employee Association Holiday Dinner, Coco Palm Restaurant, Time TBD
- December 17, Employee Holiday Luncheon, Los Serranos Country Club (15656 Yorba Avenue, Chino Hills 91709), 11:00 a.m. to 3:00 p.m.

February 2015

- February 6-7, Director Camacho's MWD State Water Project Trip

Outreach/Education- Civic Publications Newspaper Campaign

- On October 31, 2014, an email blast was distributed via Civic Publications to 152,000 emails featuring drought information and water saving tips. The subject line stated "What does a 20% reduction in water use look like?" The email contained a live link that

would take visitors to a micro-site featuring water saving tips that follow the “Save Our Water” campaign. On November 3, 2014, analytics showed that over 9,000 people had visited the micro-site and had spent an average of three minutes on the site, visiting an average of three pages.

- Display ads are being developed featuring tips from the “Save Our Water” campaign, which will be active and link to a micro-site featuring water saving tips.

Media and Outreach

- IEUA staff has been working with NCM Media to create a 15-second ad campaign for theaters. The ad has been finalized and is currently being featured on all screens at Ontario Palace (Ontario), Victoria Gardens (Rancho Cucamonga) and Harkins (Chino Hills). This ad will be featured for 12 weeks and will play on all theaters as well as the Lobby Entertainment Network (LEN). Staff will be placing this ad on the Agency website and social networking outlets as well.
- Staff has been working with department managers to review content for the new Agency website. Training on content management took place the first week of November, and the site is scheduled to go live this fall.
- Staff has finalized contracts with both Fontana Herald News and La Opinion that feature both print elements as well as digital components.

Education and Outreach Updates

- Water Discovery Program: 217 Girl Scout troop members, elementary and high school students and have taken part in the park field trip from September 24, 2014 through October 30, 2014. Although November and December are notoriously slow months for field trips, staff currently has an additional 165 students scheduled for field trips in the next six weeks.
- Three schools have applied for the Garden in Every School® Program: Cal Aero Preserve Academy (Chino), Cypress Elementary School (Fontana), and Country Springs Elementary School (Chino Hills). Currently, staff is working with CBWCD to schedule site evaluations, design finalization and planting days.
- Staff gave two class presentations during the last two weeks of October to second and fifth graders at Solorio Elementary School (Fontana). The students are working on a service learning project that focuses on the drought and ways to save water. Agency staff shared with the students various campaigns and information on the drought as well as provided the students with educational giveaways.

PRIOR BOARD ACTION

None.

IMPACT ON BUDGET

The above-mentioned activities are budgeted in the FY 2014/15 Administrative Service Fund, Public Information Services budget.

INFORMATION
ITEM

3G

Innovative Federal Strategies LLC

Comprehensive Government Relations

MEMORANDUM

To: Joe Grindstaff, Martha Davis and Kathy Besser, IEUA

From: Letitia White and Heather Hennessey

Date: October 30, 2014

Re: October Monthly Legislative Update

With the November elections only a few days away, Washington is preparing to get back to business. The House and Senate are scheduled to return to work on November 12th, the day after the Veterans Day holiday on the 11th. The big question is how different will Congress look once all the votes are counted? The answer to that question will come soon enough, and will bring with it answers about the Lame Duck agenda. We are very hopeful that agenda will include a final outcome for FY 2015 federal funding as well as final California drought legislation.

Speculation for Outcomes in the Senate and House

We will keep this speculation to a minimum for now. Election Day is just around the corner, and IFS will be able to provide you with much more concrete information in the coming weeks. Having said that, as of this writing, the RealClearPolitics polling averages place ten Senate races as being separated by 5 points or less. The neck-and-neck finishes are causing lots of heartburn, but RCP gives Republicans the winning edge in more than half of the competitive races. Republicans need to gain six seats to claim Senate control. Complicating the picture is the fact that two races, in Louisiana and Georgia, are predicted to be headed for runoffs. If the runoff predictions prove to be accurate, then the Louisiana runoff is held in early December and the Georgia one in early January. The outcomes of those runoffs could prove to be decisive for Senate control depending on other outcomes around the country. Meanwhile, Republicans are predicted to gain between five and ten seats in the House.

Once the party makeup of the two chambers is resolved after the elections, then leadership positions and committee assignments will shuffle accordingly. The new members coming in from the Inland Empire, the elected replacements for departing Reps. Gary Miller and Gloria Negrete McLeod, will be placed in junior spots along with the rest of the freshman class for the 114th Congress. The more senior members of our delegation will have the options to make committee changes if they want to do so. Rep. Ken Calvert is expected to maintain his current role as subcommittee chairman for Interior and Environment Appropriations. Rep. Paul Cook may be looking to move his committee positions in a way that could benefit the region, especially if he were to look at an open spot on the Natural Resources Committee which has tremendous influence over water and drought issues. Sen. Boxer is expected to retain her top positions on the Environment and Public Works Committee, though it remains to be seen whether she will be the Chairwoman or the Ranking Member. Finally, we understand that Sen.

Innovative Federal Strategies LLC

Feinstein is very happy in her position at the top of the Energy and Water Appropriations Subcommittee.

Fiscal Year 2015 Spending Options

Recent conversations with leadership and committee staff lead us to believe that the odds are 50-50 as to whether Congress will pass an omnibus spending bill to fund the government for the remainder of FY 2015 or will instead pass a Continuing Resolution (CR) that will last the rest of the year. As with all else in the Lame Duck, the outcome of the elections will determine how leadership chooses to deal with federal spending. It is worth noting that Republicans are already working behind the scenes to develop ambitious policy and spending goals in case they seize control of the Senate. If that happens, they may want to dispose of FY 2015 as quickly as possible and turn their attention to other issues. Under that scenario, a CR that maintains FY 2014 funding levels may be the fastest and most popular option. On the other hand, the House and Senate bills are not very far apart on many spending issues, thanks in large part to the overall budget agreement that has been in place for the past two fiscal years. If the House and Senate Appropriations Chairs were to reach agreement and assure leadership of speedy floor consideration, an omnibus is do-able. Appropriations staff has been meeting in recent days, and the House leadership has expressed support for the efforts to finalize an omnibus spending bill during the Lame Duck session. The difference between overall spending for FY 2014 and 2015 is less than 1 percent, meaning that a CR would not result in large budget savings.

Ebola Debates Ahead...

Even during the recess, Ebola has topped the Congressional agenda. Several committees have held oversight hearings on CDC's response to the Ebola cases in the US and related issues. We expect that the ongoing debate of a travel ban or other policies that could limit the spread of the disease will continue when Congress returns to Washington. Also, funding for the Ebola response could be considered for FY 2015, whether as part of a CR or an omnibus spending bill. The White House could submit a request for supplemental FY 2015 spending, possibly in the \$5 to \$7 billion range. The bulk of that funding would be for the Department of Health and Human Services and would go to the CDC, NIH and other agencies with responsibility for domestic responses to Ebola. You may recall that international Ebola aid was included in the CR that is currently in effect.

...But Possibly Not Much Else

Throughout the month of October, sources from Capitol Hill have been calling for diminished expectations for the Lame Duck session. In some years, the weeks of the Lame Duck session are the most productive of that given Congress. But for this year, the Lame Duck is expected to produce some resolution to FY 2015 federal spending and not much else! It is also likely that the annual National Defense Authorization Act will be finalized. If the Democrats lose control of the Senate, then Majority Leader Harry Reid (D-NV) plans to devote substantial floor time in the Lame Duck to consideration of the backlog of executive and judicial appointments. The package of tax extenders could also receive a two year renewal, although we are hearing rumors of growing conservative opposition to the extenders.

All in all, the outlook for November is very unclear until we know the outcome of the elections. We will continue to keep you informed as we learn more!

INFORMATION
ITEM

3H

October 31, 2014

To: Inland Empire Utilities Agency
From: Michael Boccadoro
President
RE: October Legislative Report



Overview:

The end of September was the final deadline for the Governor to sign bills and bring the 2013-14 legislative session to a close. Ultimately, the Governor vetoed 12 percent (143) of the bills that crossed his desk and signed 1,035 bills into law.

With Election Day just around the corner, the Governor has been the chief campaigner for Propositions 1 and 2, the water bond and the rainy day fund, respectively. He has been all over the state and appearing in ads for the measures even spending the funds from his own reelection campaign to support the propositions. The latest polls indicate that the water bond should pass comfortably in November.

The Inland Empire will see some new representatives elected on November 2. Of the nine Senate and Assembly districts that represent IEUA, six are on the ballot and three of those do not have an incumbent running. It is likely that the three incumbents, Chris Holden (D-AD 41), Cheryl Brown (D-AD 47) and Freddie Rodriguez (D-AD 52) will all hold onto their seats. Senators Morrell (R- SD 23), Liu (D-SD 25) and Huff (R-SD 29) are not up for reelection this year.

The validity of the cap and trade allowance auctions is back in court, with the California Chamber of Commerce and the Pacific Legal Foundation appealing a 2013 trial court decision, claiming that the California Air Resources Board is legally not allowed to hold auctions under AB 32 and that the sale of allowances represents a regulatory fee and was not approved by two-thirds of the legislature.

The California Public Utilities Commission and the California Independent System Operator recently released their "Draft Energy Storage Roadmap for California," which aims to facilitate the advancement of energy storage in California by addressing some of the barriers to implementation, such as the interconnection process and economic feasibility.

Inland Empire Utilities Agency Status Report – October 2014

Water Bond

In the run-up to the election, the Governor has been campaigning strongly around the state for the water bond, Proposition 1, and the rainy day fund, Proposition 2. He has raised millions of dollars jointly for Props 1 and 2, as well as spending his own re-election funds on statewide TV and radio ads.

The Prop 1 opposition campaign has not mounted any serious well-funded advertising campaign and the latest polling indicates that the water bond will pass comfortably on November 4.

Election Update

With Election Day right around the corner, races are heating up in some places. Due to term limits, the IEUA legislative delegation will see several new members in the Assembly and one in the Senate. Also at stake is the two-thirds majority held by the Democrats in both houses of the legislature. Republicans hope to pick-up enough seats to deny Democrats. Extremely low voter turnout is expected and could have a significant impact on Democratic candidates

	Previous Rep.	Candidate One:	Candidate Two	Primary Results
AD 40	Morrell (moved to Senate)	Kathleen Henry: (Democrat) Vice President of the San Bernardino Com College District	Marc Steinorth: (Republican) Rancho Cucamonga City Council Member	Steinorth got 53% of the vote. Leans R
AD 41	Chris Holden	Chris Holden: (Democrat) incumbent	None	uncontested
AD 47	Cheryl Brown	Cheryl Brown: (Democrat) incumbent	Gil Navarro: (Democrat) San Bernardino Valley Municipal Water District Board Member	Brown got 68% of the vote. Strong D
AD 52	Freddie Rodriguez	Freddie Rodriguez: (Democrat) incumbent	Dorothy Pineda: (Republican) Small Business Owner	Rodriguez got 55% of the vote. Leans D
AD 55	Curt Hagman (termed out)	Gregg Fritchle: (Democrat): Social Worker	Ling-Ling Chang: (Republican) Councilmember and Former Mayor of Diamond Bar	Chang was the top vote getter with three other Reps and only one D. Safe R
SD 23	Mike Morrell—not up for reelection			
SD 25	Carol Liu—not up for reelection			
SD 29	Bob Huff—not up for reelection			
SD 20 (former SD 32)	Norma Torres-running for Congress	Connie Leyva: (Democrat) Grocery Workers Representative	Matthew Munson: (Republican) Retail Clerk	Munson got 33% of the primary vote, Leyva got 21% with three other Dems in the race Contested Race.

Cap and Trade Auctions Challenged in Court

The California Chamber of Commerce and the Pacific Legal Foundation have filed opening briefs in a California Appellate court that claim that the state's greenhouse gas (GHG) allowance auctions are illegal taxes and must be halted. The two groups allege that the trial court judge erred by ruling in 2013 that the allowance auctions are not illegal taxes and are authorized by AB 32.

The Chamber and the Pacific Legal Foundation allege that the sale of allowances represents a regulatory fee and failed to receive two-thirds vote of the legislature. They also allege that Proposition 13 requires the Air Resources Board (ARB) to have a "predominately revenue-generating purpose" in order to be eligible to levy a fee.

The other major argument in the appeal is that AB 32 did not authorize ARB to hold GHG allowance auctions.

If the ruling is overturned, GHG auctions would be halted. As fuels and natural gas consumption are set to come under the cap starting January 1, the implications would be major, if the ruling is overturned.

Energy Storage

The California Public Utilities Commission (CPUC) and the California Independent System Operator (CAISO) recently released their "Draft Energy Storage Roadmap for California," which aims to facilitate the advancement of energy storage in support of California's energy and environmental policy goals by identifying actions to address challenges and barriers.

The paper looks to address issues to accelerate the advancement of technologies that can store electricity generated by solar, wind, or other renewable and conventional sources, including biogas storage. It acknowledges significant economic and technological challenges that block the way for these types of projects.

Actions identified to address these barriers include identifying and clarifying grid needs, identifying gaps in rate treatment, reviewing telemetry requirements, and clarifying interconnection processes.

To lower costs, several actions were identified including establishing the value of and developing a regulatory and policy framework under which duplicative metering data can be shared, establishing rules at CAISO for resources owners to submit settlement quality data, and making interconnection easier by making the process more predictable and transparent.

Legislative Recap

The Governor took final action on legislation at the very end of September resulting in 1,035 bills signed into law in 2014. Included in those measures were 120 changes to the water code which will go into effect on January 1, 2015. The Governor took early action on most of the water bills that were pending on his desk, which were reported fully last month. The only late approval on bills IEUA was watching was on AB 2636 by Assemblymember Gatto, which the Governor signed.

The final tallies for the two year session are:

Year	Introduced	Passed to Governor	Signed	Percent Signed	Vetoed	Percent Vetoed
2013	2540	1003	907	90%	96	10%
2014	2260	1178	1035	88%	143	12%
Total 13/14 Session	4800	2181	1942	89%	239	11%

Below are bills that IEUA took positions on:

**INFORMATION
ITEM**

31

Agricultural Resources

635 Maryland Avenue, N.E.
Washington, D.C. 20002-5811
(202) 546-5115
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October 31, 2014

Legislative Report

TO: Joe Grindstaff
General Manager, Inland Empire Utility Agency

FR: David M. Weiman
Agricultural Resources
LEGISLATIVE REPRESENTATIVE, IEUA

SU: Legislative Report, October 2014

Snapshot – Calm Before the Storm OR Not Much Took Place in October, But A Burst of Activity Awaits

- ***Congress Not in Session in October.*** Congressional offices were open in October, but the halls of Congress were, for all practical purposes, empty. Little occurred.
- ***Calm Before the Storm.*** The first Tuesday in November brings the Mid-Term election. A Lame Duck Session will convene on November 11. Retiring Members must vacate their offices in early November (and use temporary offices through the end of the Session). Congress will go from a holding pattern to a giant burst of activity the moment the election is over (depending on what happens on election day, final results in the Senate may not be known until after run-off elections in December or even January..
- ***Battles for Gavels.*** Beginning election night, as outcomes become certain, scores of “battles” will be launched for office space, full Committee gavels, subcommittee gavels – and many of these decisions have ripple or secondary impacts. If, for instance, Rep.

Rahall loses (a possibility) in WV, he will vacate the Ranking D position on Transportation and Infrastructure. Rep. Peter DeFazio, presently Ranking D on Resources, will move over to T&I where he's next in line, opening up the ranking position on Resources. Four or five different members (all House Ds) could end up with that position, including Rep. Grace Napolitano.

- ***Rep. Bishop (R-UT) All But Certain to Become Chair, House Natural Resources Committee.*** When Speaker Boehner was recently in Utah a short time ago, he announced that Bishop would lead the Committee.
- ***New Crisis – Ebola – Overwhelms Congress, Administration.*** During October, Ebola went from a significant problem to a national and international medical crisis overwhelming the Administration, the CDC, other health institutions and a series of hospitals and communities from Texas to New York, and from New Jersey to Maine. The airwaves and all forms of media became “consumed” by it. To date, one person has died and none of those quarantined have come down with the disease.
- ***Foreign Policy Issues Continue to Overwhelm Political Agenda.*** Russian, Syria and the Middle East are at the top of the list. The situation with ISIS is perhaps the most serious. Aside from obvious national security issues, implications cross-over to the domestic budget.

Snapshot on Water and Related Matters

- ***Drought Bill – Talks Continue – Action Uncertain.*** Talks on a drought bill continue behind closed doors. Senator Feinstein's office has told ACWA and others that “if” a bill can be crafted (and because so many interests have not been invited to participate in the process to write the bill), it will have to be introduced, the subject of hearings and some level of regular order. A “quick” Lame Duck session may be insufficient time to process it. If anything is about to happen, then look for a bill to be “unveiled” a week after the election – when Congress returns (November 11) – to begin the process.
- ***Drought Conditions – California.*** The Drought Monitor for October 28 continues to show almost all of California in either *extreme* or *exceptional* drought, the two highest (or worst) drought categories. With the start of a new water year, severe drought conditions persist.
- ***Drought Conditions – Rest of the West.*** The report for October is almost identical to September – Drought conditions have pushed up into the Pacific Northwest (OR, WA and ID). Nevada's situation is almost as severe as California. Drought continues to extend along the Southern Tier (AZ, NM, TX and OK). Utah is experiencing serious drought as well. Some precipitation is expected in the Pacific Northwest and Northern California is now getting some (small) amount of rain. Temperatures for these impacted regions continue to run 3-6 degrees above “normal.”

- ***Bond – Prop. 1 Casts A Big Shadow.*** The passage of the bond will create momentum for other actions. It’s rejection will likely have a negative impact. Supporters believe it will pass. Whatever happens, this bond will likely impact everything else – for better or worse.

Snapshot on Financial, Tax or Economic Matters That Impact Water

- ***House Ways and Means, Gavel to Ryan – Challenge Notwithstanding.*** It’s increasingly clear that Rep. Paul Ryan (R-WI) will replace Rep. Dave Camp (current chair, retiring – R-MI) at Ways and Means. In a recent interview, Ryan, like Speaker Boehner, declared that comprehensive tax code reform was his highest priority. A September challenge for the gavel by Rep. Kevin Brady (R-TX) is not gaining traction. Some speculate that Ryan could be back on the GOP National ticket and believe that Brady is pre-positioning himself as the “next” Chair (after Ryan).
- ***Municipal Bonds for America Coalition.*** During the past month, I participated in work shop meetings on Legislative Strategy. An overall “*Bonds Build America*” theme is now agreed upon. Their efforts are on-going – and expanding. Today, the coalition includes airport, housing, transportation, park, water, hospital authorities – among many others.

Quick Takes. ***Deputy Secretary Mike Connor to Spend Less Time on California Water Issues.*** Since becoming Secretary Jewell has been “on the road” extensively. Connor, while former Commissioner, is now being directed to provide more management throughout the Department on a wider range of issues – on oil and gas, renewables, public lands, Indian Affairs, Park matters, ESA and other issues restricting his ability to devote as much time and attention to California water. ***Assistant Secretary of the Interior for Water and Science, Ann Castle Stepped Down.*** Jewell named Jennifer Gimbel to the position of Principal Deputy Assistant Secretary for Water and Science. Previously, Gimbel served as Director of External Affairs, BuRec. Gimbel will lead the office until a new Assistant Secretary is confirmed. ***Interior Named Estevan Lopez Principal Deputy Commissioner, BuRec.*** Lopez, from New Mexico, earlier this year was nominated to be Commissioner. His appointment is still pending in the US Senate. In the interim, The Administration named him Principal Deputy so he could assume his new duties. In early October, he published an open “dear stakeholder” letter announcing his new responsibility and reaching out to the agency and stakeholders. ***Lame Duck to Pass Full Year Appropriations Bill, Not Short-Term CR.*** Majority Leader Kevin McCarthy (R-CA) and Appropriations Chair Rep. Hal Rogers have, during October, publicly stated that they want to enact a full year Appropriations bill and avoid another short-term CR. Some believe a CR is still a 50/50 proposition. ***Stanford Scientists Link Climate Change, Drought.*** New report, published in the Bulletin of American Meteorological Society, concludes that the high atmospheric pressure in the Pacific “*diverted storms away from California*” was likely because of concentrations of contemporary “*green house gas concentrations.*” The authors then link climate disruption and drought – a new perspective. ***MWD Board Approved “Increases to Financial Incentive Offered Through Its Local Resources Program.”*** The maximum incentive

increased from \$250 per acre foot to \$340 per acre foot to help “*reduce reliance on imported water and improve water reliability.*” This is significant for MWD Member Agencies, including IEUA. ***DOD Issues Report – Pentagon Integrating Climate Change Threats In All Plans, Operations and Training.*** New report calls climate disruption a “threat multiplier.” DOD Secretary (and former Senator) Hagel said, “*Rising global temperatures, changing precipitation patterns, climbing sea levels, and more extreme weather events will intensify the challenges of global instability, hunger, poverty, and conflict. They will likely lead to food and water shortages, pandemic disease, disputes over refugees and resources, and destruction by natural disasters in regions across the globe.*” While some insist that climate disruption is questionable, now even DOD is becoming operational in response to it. ***LA Mayor Garcetti Issues Executive Order, Reduce Water Consumption 20% by 2017 in Response to the “Prolonged Drought”.*** The Mayor “*...cannot afford the water policies of the past. We must conserve, recycle and rethink how we use our water to save money and make sure that we have enough water to keep L.A. growing*” and also directed that the city's Department of Water and Power (LA DWP) reduce imported water purchases 50% by 2024. ***On Economic Front, the Federal Budget Deficit Fell, in Fiscal 2014 to Lowest Level Since 2008.*** Annual debt – at the Federal level – is down about 50% measured against the previous year. This is a stunning one-year decline resulting from a combination of an improving economy and reduced Federal spending. ***BuRec Issued Report on Quagga Mussel Control – Tests Over 100 Products.*** A new BuRec report, six years in the making, identified several products to blunt the spread of Quaggas (or clean up after them) for further review. The effort is now showing promising results. ***BuRec Announces New RFP for Water Recycling Program.*** On October 30, BuRec issued a call for cost-shared applications to plan, design or construct between 5-10 new water recycling projects in the 17 Western States (projects to date have been primarily located in California). Congress appropriated more than \$21 million in the current fiscal year for this purpose. ***Four Companies Team Up for \$8 Billion Green Energy Initiative – for Southern California.*** Four energy companies have teamed up to produce and transmit electric power produced in Wyoming to Southern California. The innovative generation and storage systems are slated to be constructed in Utah. The Wyoming Wind Farm is expected to produce 2,100 MW of power – targeted for the LA Basin.

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INFORMATION
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3J



CALIFORNIA STRATEGIES, LLC

Date: October 31, 2014
To: Inland Empire Utilities Agency
From: John Withers, Jim Brulte
Re: October Activity Report

Listed below is the California Strategies, LLC monthly activity report. Please feel free to call us if you have any questions or would like to receive any more information on any of the items mentioned below.

- Met with IEUA Executive staff to review priority issues (10/16)
- Participated in discussions with County of San Bernardino and IEUA to discuss coordination of County and District legislative and public policy issue agendas.
- We continue to monitor Lafco staff on the status and key issues related to the MSR process currently underway for water conservation districts Countywide (Provided Plan of Service consultant referral to staff)
- Support and advise on IEUA/SBVWD transfer transaction on an as needed basis.
- Provided an update on the recent filing of a Sphere of Influence amendment filing by the CVWRD.
- Facilitated Grindstaff contact and follow up with IRWD regarding facility master planning and fiscal modeling
- Continue to monitor statewide water issues including the BDCP, water bond, and drought relief act activities.
- Outreach to Board Directors as needed on issues of interest
- Monitor Santa Ana Regional Board agenda and issues of interest to IEUA.

INFORMATION
ITEM

3K



Inland Empire Utilities Agency

2012/13 RECYCLED WATER ANNUAL REPORT

Water Smart ~ Thinking in Terms of Tomorrow

TABLE OF CONTENTS

OVERVIEW.....	1
HISTORY.....	6
TREATMENT PLANTS.....	7
CURRENT RECYCLED WATER CAPITAL PROGRAM.....	11
PROJECTS CONSTRUCTED in FY 12/13.....	12
PROJECTS IN PLANNING/DESIGN IN FY 12/13.....	13
FUTURE REUSE PROJECTS.....	14
RETAIL PURVEYORS.....	15
APPENDICES A & B - RECYCLED WATER AND EFFLUENT MONITORING AND COMPLIANCE DATA	
APPENDIX C - RECYCLED WATER USERS AND DEMANDS	

OVERVIEW

The Inland Empire Utilities Agency (IEUA) owns and operates five water recycling treatment facilities, of which four produce recycled water. These facilities serve over 850,000 people in seven cities. IEUA serves its seven member agencies: Cities of Chino, Chino Hills, Fontana, Montclair, Ontario and Upland and Cucamonga Valley Water District.

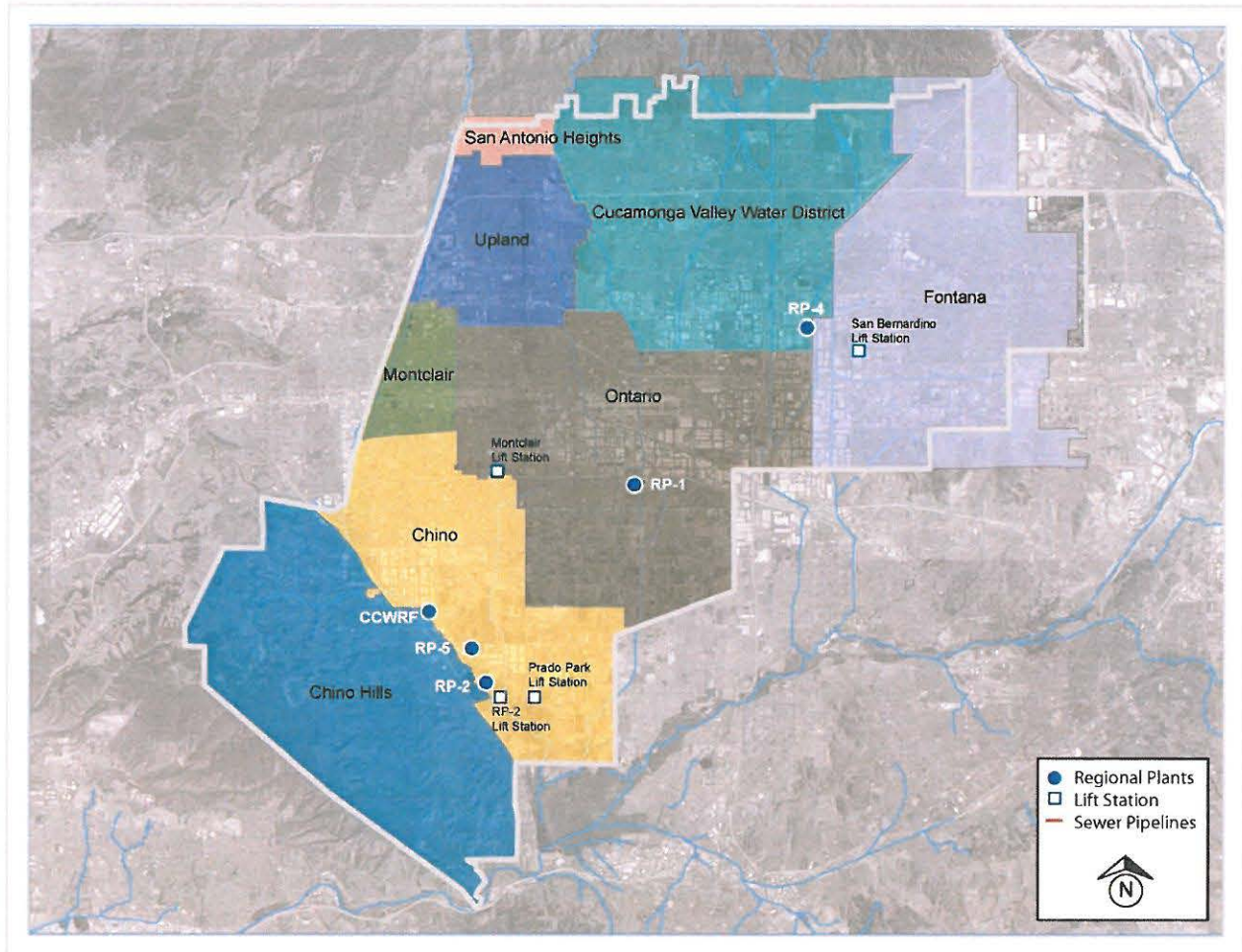


Figure 1 – IEUA Service Area

RECYCLED WATER SALES:

During the fiscal year 2012/13, the average recycled water supply from IEUA’s facilities was approximately 53 million gallons per day (MGD). Annual Recycled water demand for direct use and recharge purposes was approximately 54 percent of the available supply. During the summer peak months, the daily recycled water demand is over 70 percent of the available supply.

Of the 53 MGD or 59,360 AFY of recycled water produced during the fiscal year, 32,319 acre feet per year (AFY) were beneficially reused for a variety of applications including landscape irrigation, agricultural irrigation, industrial process water, and groundwater recharge. The usage is categorized in Table 1.

Type of Usage	Demand for FY 12/13 (AFY)
Agricultural	9,331
Construction	62
Industrial	2,609
Landscape	9,838
Recharge	10,479
Total Demand (AFY):	32,319

Table 1 - Annual Usage per customer usage type

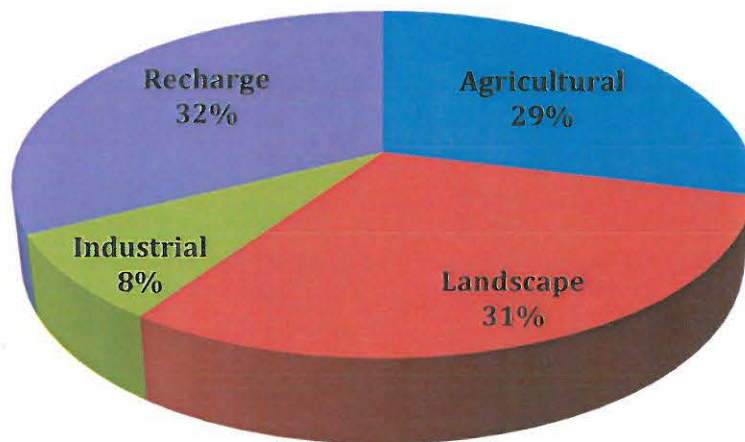


Figure 2 - Customer Type Usage Breakout by Percentage

Recycled water sales during FY 2012/13 were over 32,319 acre-feet (AF), an increase by over ten percent from the previous fiscal year's sales. A summary of the history of the recycled water sales is provided in Figure 3 below.

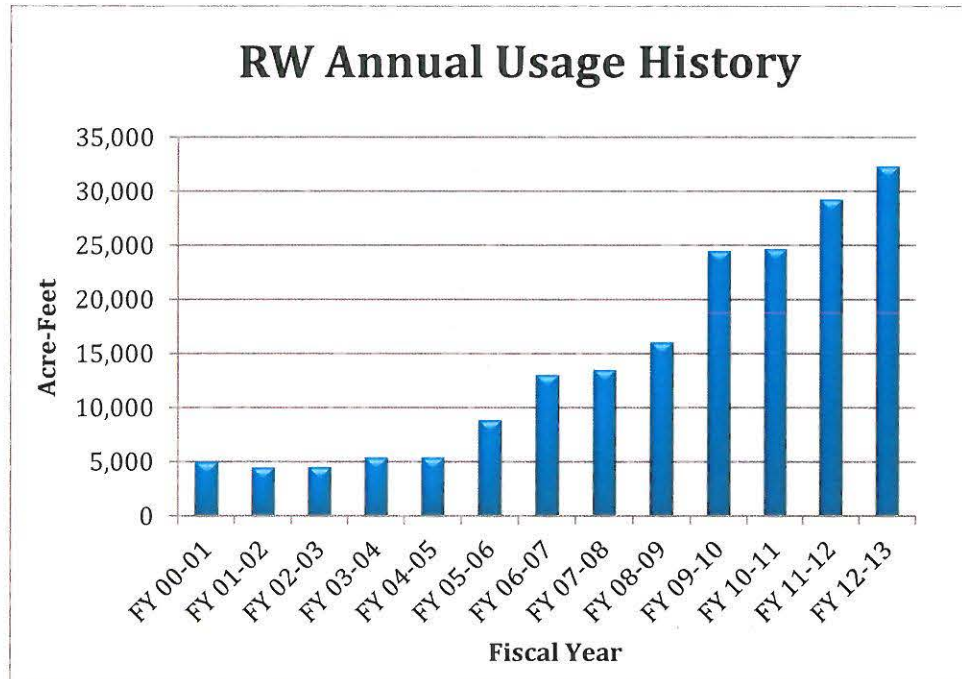


Figure 3 –Historic Annual Usage in Acre-foot

During FY 2012/13, over 66 new users, with a new connected demand of 1,037 AFY were connected to the recycled water system. Connected demand is the anticipated annual usage based on acreage of land and previous potable water usage history. The steady increase in the recycled water customers to the distribution system could be attributed to the aggressive Three Year Business Plan that was launched by the Agency in 2007, with support from its Member Agencies. The recycled water and effluent monitoring and compliance data is provided in Appendices A to B. The history of the recycled water users and associated demand for the fiscal year is provided as Appendix C.

The amount of groundwater recharged every year varies based on different factors, mostly depending on the amount and timing of rainfall, and maintenance activities in the basins. Summary of groundwater recharge and direct use sales of recycled water is provided in Figure 4.

Direct Reuse Vs. Groundwater Recharge

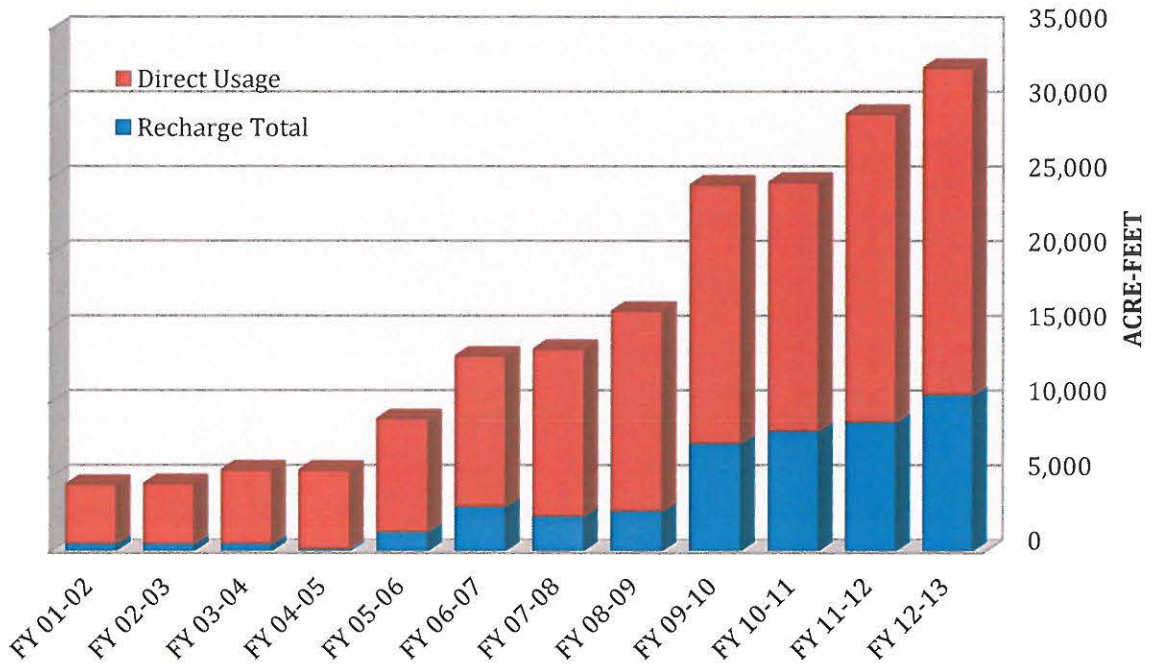


Figure 4 – Historical Comparison of Direct Usage vs. Groundwater Recharge

The top ten largest direct reuse sites, excluding groundwater recharge, for the fiscal year are provided below:

SITE	TYPE OF USE	ACRE-FEET
Cleveland Farm	Agricultural	1,259
Cal Poly Pomona	Agricultural	1,113
El Prado Park	Landscape	1,093
CW Farms	Agricultural	900
Temple Inland Paper	Industrial	891
Weststeyn Dairy	Agricultural	859
Nyehnius Dairy	Agricultural	838
Whispering Lakes Golf Course	Landscape	735
CW Farms III	Agricultural	680
Genon Energy Plant	Industrial	677
TOTAL USE		9,046

Table 2 – IEUA’s Top 10 Customers for FY 2012/13 Usage

ECONOMIC AND ENVIRONMENTAL IMPACTS

The wholesale rate for recycled water to IEUA's member agencies from July 2012 to June 2013 was \$155/AF for direct usage and \$195/AF for recharge. Table 4 in the 'Retail Purveyors' section of the report compares selected potable water rates and recycled water rates, illustrating the savings realized by the end users.

The 32,319 AFY of recycled water reused during the fiscal year is the equivalent of the water supply for roughly 64,600 homes. The use of locally produced recycled water reduces the need to pump State Project water over the Tehachapi Mountains at a net energy demand reduction of 2,657 kilowatt-hours (kWh) per acre-foot, or an overall reduction of approximately 79 percent in carbon dioxide emissions.

SUMMARY

Of the 59,360 AFY wastewater treated, 100% met the most stringent Department of Public Health Title-22 water quality standards. 32,319 AFY was used for direct sales or groundwater recharge. Over 66 new sites were connected during the fiscal year, with an additional connected demand of 1,037 AFY for the fiscal year.

Final effluent quality for each of the Agency's treatment plants are provided in Appendix A thru B. All of the current recycled water users and their usage are presented in Appendix C.

HISTORY

Early water recycling efforts in the 1970s by the Agency involved the Whispering Lakes Golf Course adjacent to RP-1 in Ontario and El Prado Park and Golf Course in Chino. In the 1980s, recycled water continued to be an integral part of IEUA planning with implementation of the Carbon Canyon Water Recycling Facility (CCWRF) and Regional Plant No. 4 (RP-4). These two recycling plants were sited specifically at higher elevations to reduce recycled water pumping costs. A backbone distribution system was installed in Chino and Chino Hills from CCWRF in 1997 and was initially operated by IEUA under Ordinance No. 63. This system was later turned over to the City of Chino and the City of Chino Hills and forms the core of the recycled water distribution network operated by these two cities.

The first major Regional pipeline was constructed in 1995 and served the dual purpose of a regional recycled water distribution pipeline and an outfall allowing RP-4 effluent to be discharged with RP-1 effluent in Cucamonga Creek. The RP-4 Outfall was designed as a pressurized system so that water could be pumped from RP-1 to RP-4 as well as flow in the opposite direction.

In the late 1990's, IEUA began to implement groundwater recharge with recycled water at Ely Basin. The initial Ely Basin project was followed by the Chino Basin Watermaster's (CBWM) development of the Optimum Basin Management Program (OBMP) and the regions efforts (including IEUA) to implement the OBMP. Ordinance No. 69 was adopted in May 2000.

The IEUA Board of Directors also adopted Ordinance No. 75 in 2002, the Agencies Mandatory Use Ordinance. Also in 2002, the CBWM, Chino Basin Water Conservation District (CBWCD), the San Bernardino County Flood Control District (SBCFCD) and IEUA joined forces to greatly expand groundwater recharge capacity. The surface spreading operation significantly enhances storm water conservation and replenishment with imported and recycled water. Intense focus continues today on developing the recycled water supply. In December, 2007, the IEUA Board of Directors approved an aggressive Three Year Business Plan that calls for 50,000 acre feet of connected demand of recycled water by 2013.

TREATMENT PLANTS

The Agency owns and operates five regional water recycling facilities: Regional Plant No.1 (RP-1), Regional Plant No. 2 (RP-2), Regional Plant No. 4 (RP-4), Regional Plant No. 5 (RP-5), and Carbon Canyon Water Reclamation Facility (CCWRF). Of the treatment plants, RP-2 does not have any liquid treatment processes, and as such does not produce any recycled water. The combined capacity of the remaining four plants is 84 MGD.

Regional Water Recycling Plant No. 1



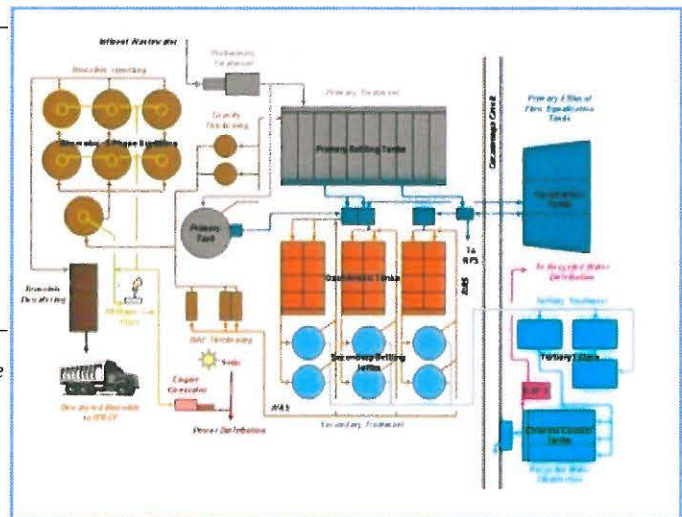
Regional Water Recycling Plant No. 1 (RP-1) is located in the City of Ontario near the intersection of California State Route 60 and Archibald Avenue. This facility was originally commissioned in 1948 and has undergone several expansions to increase the design of wastewater treatment capacity to the current 44.0 MGD and Biosolids treatment capacity equivalent to a wastewater flow rate of 60.0 MGD. This facility serves the Cities of Ontario, Rancho Cucamonga, Upland, Montclair, Fontana and an unincorporated area of San Bernardino County.

Plant Description

RP-1 includes several treatment processes that contribute to providing quality recycled water pursuant to the State of California Title 22 regulations. The major treatment processes include preliminary and primary treatment, primary effluent flow equalization and diversion, secondary treatment, tertiary treatment and biosolids treatment as illustrated in the figure below.

Plant Capacity:	44.0 MGD
Influent Flow:	27.1 MGD
Water Reused:	24.2 MGD*
Creek Discharge:	12.7 MGD*

**RP-1 and RP-4 have a combined effluent; therefore, the usage and creek discharge reported are for the two plants combined*



Regional Water Recycling Plant No. 4 (RP-4)



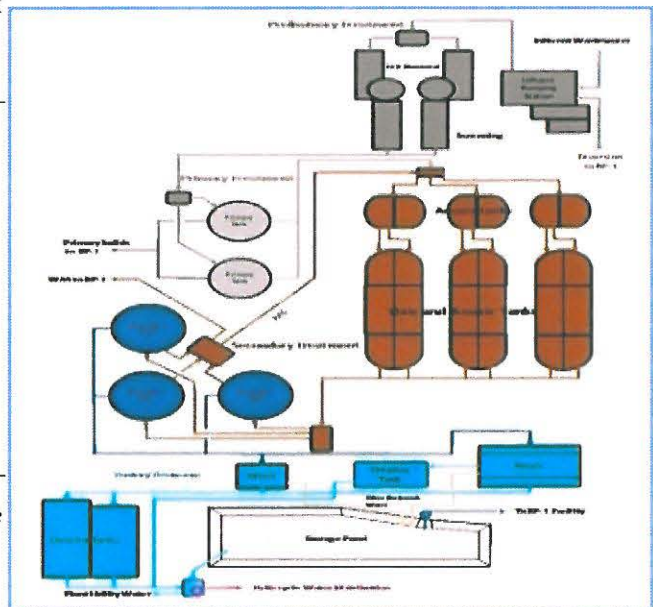
Located in the City of Rancho Cucamonga, the Regional Water Recycling Plant No. 4 (RP-4) has been in operation and producing recycled water since 1997. RP-4 treats an average flow of 11 million gallons per day and is operated in conjunction with RP-1 to provide recycled water to users. The RP-4 facility was recently expanded from its capacity of 7 MGD to 14 MGD. This facility serves portions of Rancho Cucamonga, Fontana and unincorporated areas of San Bernardino County.

Plant Description

RP-4 includes several treatment processes that contribute to providing quality recycled water pursuant to the State of California Title 22 regulations. The major treatment processes include raw wastewater pumping, preliminary and primary treatment, secondary treatment and tertiary treatment as illustrated in the figure below. Tertiary water that is not utilized for direct sales or groundwater recharge is discharged to the creek at RP-1 from RP-4.

Plant Capacity:	14.0 MGD
Influent Flow:	9.8 MGD
Water Reused:	24.2 MGD*
Creek Discharge:	12.7 MGD*

**RP-1 and RP-4 have a combined effluent; therefore, the usage and creek discharge reported are for the two plants combined.*



Carbon Canyon Water Recycling Facility (CCWRF)

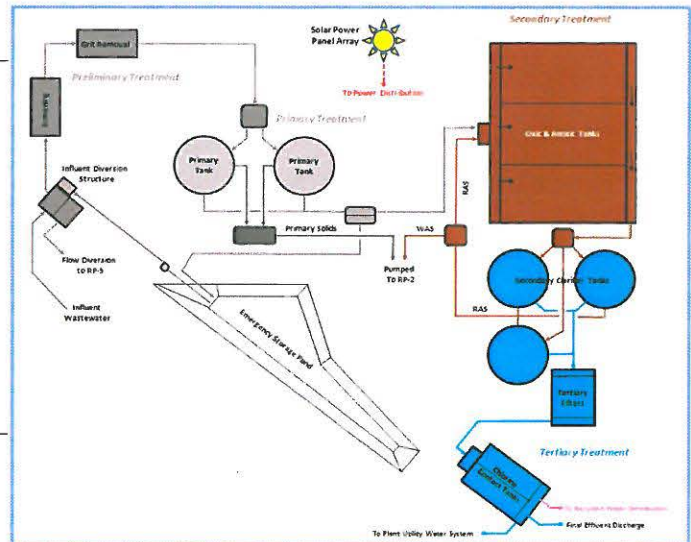


Carbon Canyon Water Recycling Facility (CCWRF), located in the City of Chino, has been in operation since May 1992. The \$46-million facility works in tandem with Regional Plant No. 2 (RP-2) and serves the areas of Chino, Chino Hills, Montclair and Upland. Liquids are treated at CCWRF, while the solids removed from the waste flow are treated at RP-2. CCWRF treats an annual average flow of 9.5 MGD.

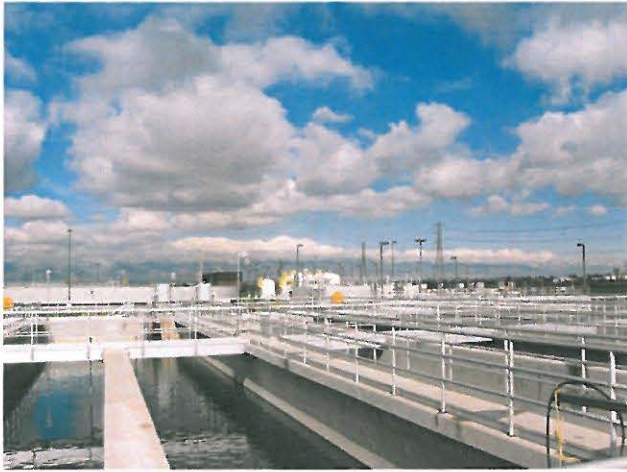
Plant Description

CCWRF includes several treatment processes that contribute to providing quality recycled water pursuant to the State of California Title 22 regulations. The major treatment processes include raw wastewater pumping, preliminary and primary treatment, primary effluent flow diversion, secondary treatment and tertiary treatment as illustrated in the figure below.

Plant Capacity:	11.4 MGD
Influent Flow:	7.5 MGD
Water Reused:	3.0 MGD
Creek Discharge:	4.5 MGD



Regional Water Recycling Plant No. 5 (RP-5)

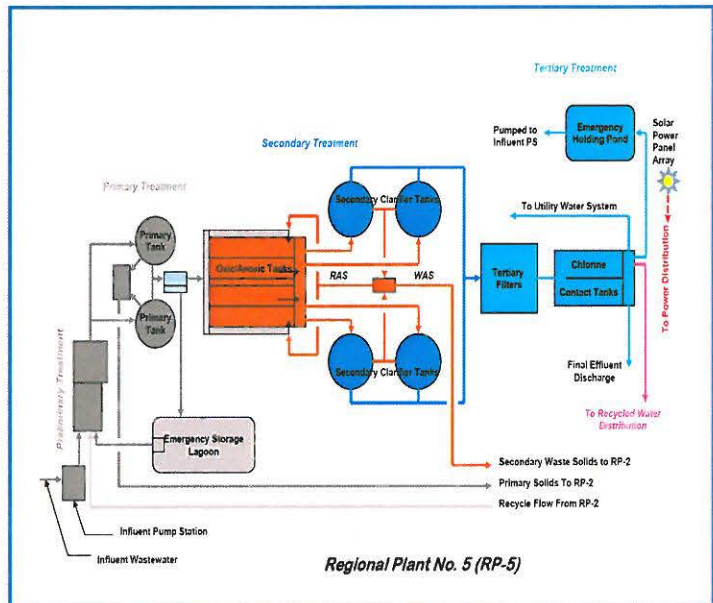


Regional Water Recycling Plant No. 5 (RP-5), located in the City of Chino, has been in operation since March 2004. RP-5 serves the areas of Chino, Chino Hills, Montclair, Ontario, and Upland. Liquids are treated at RP-5, while the solids removed from the waste flow are treated at RP-2. RP-5 treats an annual average flow of 12 MGD.

Plant Description

RP-5 includes several treatment processes that contribute to providing quality recycled water pursuant to the State of California Title 22 regulations. The major treatment processes include raw wastewater pumping, preliminary and primary treatment, secondary treatment, and tertiary treatment as illustrated in the figure below.

Plant Capacity:	15.0 MGD
Influent Flow:	8.2 MGD
Water Reused:	2.0 MGD
Creek Discharge:	6.2 MGD



CURRENT RECYCLED WATER CAPITAL PROGRAM

The IEUA currently produces over 53 million gallons per day of recycled water, and there are several projects under way to expand the use of recycled water within its service area. These projects and the location of the capital projects are shown in Table 4. Details of the projects that were in design or construction during FY 2012/13 are summarized below.

Table 3 – FY 2012-2013 Capital Project Summary

Completed Projects	Location	Project Cost	Grants	Schedule
Total Completed Projects		\$146 M	\$28 M	

Projects in Design/Construction	Location	Project Cost	Grants	Schedule
Southern Area Projects	Chino & Chino Hills	\$28 M	\$4 M	Spring 2014
Central Area Projects	Ontario & Fontana	\$28M	\$4 M	Summer 2014
Local Laterals & Retrofits	IEUA Service Area	\$10 M	\$1M	Pending Funding
Total Projects Design/Construction		\$66 M	\$9 M	
TOTAL IEUA RW Projects		\$212 M	\$37 M	

PROJECTS COMPLETED IN FY 2012/13

The **1630 West Pump Station** project is located at Vineyard Park in the City of Ontario near Sixth Street and Baker Ave. The pump station will utilize three 250 horsepower pumps to boost recycled water from the 1299 pressure zone to the 1630 zone.

The **1630 West Recycled Water Pipeline - Segment C** consists of the construction of approximately 7,700 linear feet of 30-inch diameter and 800 linear feet of 24-inch diameter recycled water pipeline that will convey recycled water from the terminus of the 1630 West Recycled Water Pipeline, Segment B, to the 1630 West Recycled Water Reservoir Site and Red Hill Park in the City of Rancho Cucamonga. The 1630 West Recycled Water Pipeline, Segment C, is the third portion of the Regional Pipeline that will serve as the backbone to transport water from the 1299 Pressure Zone to the 1630 Pressure Zone.

The **1630 West Recycled Water Reservoir** project consists of the construction of one three (3) million gallon recycled water reservoir at the existing CVWD site located at the northwest corner of the intersection of 19th and Sapphire Streets.

The **Temporary Turner Basin Turnout** project will be constructed to supply additional water to the basins in the short term by installing a 4 inch PVC pipeline. The project design and construction schedule is much shorter than the permanent solution and will allow supplemental water to be supplied to the basins while the permanent facility is being designed and constructed.

PROJECTS IN CONSTRUCTION IN FY 2012/13

Southern Area: The project includes recycled water pipeline and reservoir in the 930 pressure zone in the southern service area, primarily serving the cities of Chino, Chino Hills and Ontario. An agreement with the City of Chino Hills for IEUA to purchase 2.0 million gallons (MG) of storage capacity has been executed. The permits and future rights to access the facilities were obtained with the exception to the easements from the City of Chino Hills.

The **930 Recycled Water Reservoir and Pipeline** project consists of the construction of a five (5) MG reservoir located within the corporate limits of Chino Hills and the feeder line approximately 12,500 feet in total length from the proposed reservoir to an existing connection point located at the northwest quadrant of the San Antonio Channel Crossing and Chino Hills Parkway.

Status: The construction completion for both projects is tentatively scheduled late March 2014.

CCWRF Recycled Water Pump Station Expansion: The CCWRF recycled water pump station will be expanded to increase their overall pumping capacity from 8 MGD to 14 MGD.

Status: The startup of the Southern Area Projects is tentatively scheduled to be for April 2014.

PROJECTS IN DESIGN DURING FY 2012/13

Central Area: The Central Area Recycled Water Project includes Wineville Recycled Water Pipeline Extension and Ground Water Recharge (GWR) & Recycled Water (RW) SCADA System Upgrades.

The **Wineville Extension Recycled Water Pipeline** includes 4.6 miles of 36 inch pipe which will primarily build the Regional Recycled Water distribution system in the southern part of the City of Fontana and the eastern part of the City of Ontario. The pipeline will allow for the connection of commercial, industrial customers, parks and schools within the cities of Ontario and Fontana and also utilize RP-3 and Declez Basins for Recycled Water recharge. The project would beneficially increase recycled water use between 3,000 to 4,500 AFY.

Status: *Final Design. Expected project completion is Fall 2014.*

The **GWR & RW SCADA System Upgrades**- A new communication network backbone for the Agency has just been installed. This project is required to bring GWR and RW facilities onto the new agency communication backbone. The current system is overloaded and the GWR and RW sites need to be transitioned to the new system. This project will also transition the RP-5 RW Pump Station SCADA system to Rockwell Automation and onto the RW SCADA system. The scope for this project includes radio path surveys for the GWR and RW stations, procurement, installation and programming of new hardware and software. The upgrades are consistent with the recommendations as provided in the RW SCADA Master Plan.

Status: *Project Evaluation phase. Design completion is anticipated for June 2015.*

Turner Basin Turnout Projects – The Turner Basins are capable of receiving up to 10 cubic feet per second of recycled water flow for ground water recharge. The existing recycled water recharge facilities at the Turner Basins are not capable of fully utilizing the basins potential. The **Turner Basin Turnout Capacity Improvements** project is the long term, permanent solution to the recharge limitations at the Turner Basins. The turnout will be approximately 200 linear feet of 20 inch steel pipe and supply 10 cubic feet per second of water to the basins. An automated control valve and flow metering will also be provided. In order to equally supply all 4 of the recharge basins at the site a bypass must also be constructed underneath the Deer Creek Channel.

Status: *Construction. Startup expected to be completed during Fall 2014.*

FUTURE REUSE PROJECTS

IEUA and its Member Agencies will make every effort to use available recycled water wherever appropriate, as well as make an effort to increase the use of recycled water within the agencies' boundaries. By committing to the Three Year Business Plan, the implementation of recycled water projects will be coordinated with all agencies within the Chino Basin area. This will increase the delivery of recycled water quickly to ensure reliable supplies to avoid shortages to residents and customers. This will allow IEUA and its Member Agencies to continue to provide a reliable water supply to its customers in the future when shortages of imported supplies could be over a multiple year period.

Several recycled water distribution projects throughout the Agency's service area are in various stages of development. The projects will allow for the expanded use of recycled water in the range of 5,000 AFY.

RETAIL PURVEYORS

IEUA is the wholesale recycled water provider to its Member Agencies, who in turn are the retail agencies that directly serve its customers. The member agencies at present which serve recycled water to its customers include:

- City of Chino
- City of Chino Hills
- City of Ontario
- Cucamonga Valley Water District
- Monte Vista Water District
- City of Fontana

Cities of Upland and Fontana have not yet started recycled water deliveries to their customers, and therefore have not yet established rates for recycled water.

IEUA's wholesale recycled water rate to its member agencies for FY 2012/13 was \$155/AF for direct usage and \$195/AF for recharge between the months of July 2012 to June 2013. The retail agencies' recycled water rates during FY 2012/2013 are summarized below in Table 4.

Table 4 – Purveyor Water Rate Survey FY 2012/13

City of Ontario		
	Usage (HCF)	Rate
Potable Water	Up to 15	\$2.25
		\$2.83
	Over 15	\$2.61
		\$3.20
Recycled Water	Up to 1000	\$1.35
	Over 1000	\$1.24

City of Chino			
	Usage Type	Usage (HCF)	Rate
Potable Water	All	1	\$1.61
Recycled Water	General	1	\$1.13
	Agricultural	1	\$0.56

City of Chino Hills			
	Zone	Usage (HCF)	Rate
Potable Water	Low	0-12	\$1.72
		13-30	\$1.96
		30-Higher	\$2.74
Potable Water	Interim	0-12	\$1.86
		13-30	\$2.10
		30-Higher	\$3.10
Potable Water	High	0-12	\$2.08
		13-30	\$2.32
		35-Higher	\$3.10
Recycled Water	Low	0-12	\$1.64
	Interim	13-30	\$1.76
	High	30-Higher	\$1.93
	Temporary	N/A	\$1.98
	Agriculture	N/A	\$0.85

MVWD			
	Tier	Usage (HCF)	Rate
Potable Water	1	1	\$1.70
	2	1	\$2.04
	3	1	\$2.85
	4	1	\$4.76
Recycled Water	N/A	1	\$1.50

CVWD		
	Usage (HCF)	Rate
Potable Water	Tier 1 (0-10)	\$1.46
	Tier 2 (11-40)	\$1.72
	Tier 3 (41-100)	\$2.05
	Tier 4 (>100)	\$2.35
Recycled Water		\$1.42

APPENDICES A & B

Recycled Water and Effluent Monitoring
and Compliance Data

Inland Empire Utilities Agency
Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

RP-1 (M-001A* & M-001B) Effluent Monitoring Data

Table No. 3a

Date	Flow			EC			pH			BOD ₅				TSS				TOC			TDS			TIN			TN			NH ₃ -N (grab)		
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
Limit>>>	MGD			µmhos/cm			unit			mg/L				%				mg/L			mg/L			mg/L			mg/L			mg/L		
Limit>>>							6.5 -8.5			20				15				20			15						4.5					
Jan-12	2.5	1.4	3.1	712	602	753	7.1	6.5	7.4	<2	<2	2	0.5	<2	<2	<2	0.3	6.7	5.6	8.8	456	438	472	7.3	6.1	8.5	8.7	8.2	9.7	<0.1	<0.1	<0.1
Feb-12	1.4	0.4	1.9	800	744	1,174	7.0	6.6	7.2	<2	<2	2	0.7	<2	<2	<2	0.6	6.2	5.3	7.8	466	454	477	7.2	6.1	8.0	8.2	7.5	8.8	<0.1	<0.1	<0.1
Mar-12	1.7	1.0	4.1	791	729	847	7.1	6.9	7.2	<2	<2	2	0.4	<2	<2	<2	0.4	5.9	5.3	6.8	488	463	509	6.6	5.6	7.6	7.7	7.3	8.2	<0.1	<0.1	<0.1
Apr-12	2.7	1.4	4.0	806	750	877	7.2	6.9	7.3	<2	<2	<2	0.3	<2	<2	<2	0.3	6.2	5.4	7.2	485	468	500	8.4	6.5	11.5	9.6	7.5	12.3	<0.1	<0.1	<0.1
May-12	2.6	0.8	7.6	791	178	880	7.2	6.8	7.4	<2	<2	<2	0.5	<2	<2	<2	0.4	6.2	5.7	6.9	503	498	514	7.6	6.3	10.3	8.8	8.1	9.7	<0.1	<0.1	<0.1
Jun-12	2.2	0.8	5.8	879	828	928	7.2	7.0	7.4	<2	<2	<2	0.5	<2	<2	<2	0.5	5.8	5.2	7.5	527	512	538	6.8	4.5	8.0	7.9	6.9	9.0	<0.1	<0.1	<0.1
Jul-12	1.5	0.9	3.0	864	600	908	7.2	6.8	7.7	<2	<2	<2	0.5	<2	<2	3	0.5	5.5	4.5	6.6	514	496	526	5.6	4.7	6.7	6.3	5.2	7.3	<0.1	<0.1	<0.1
Aug-12	2.3	0.6	3.4	845	806	871	7.3	7.1	7.5	<2	<2	2	0.5	<2	<2	<2	0.5	5.3	4.8	8.3	503	488	522	5.2	3.5	7.0	5.7	5.1	6.7	<0.1	<0.1	<0.1
Sep-12	2.0	0.9	4.0	858	794	933	7.3	6.7	7.9	<2	<2	<2	0.5	<2	<2	<2	0.5	5.3	4.8	5.8	532	498	550	5.6	3.9	7.3	6.2	4.5	7.8	<0.1	<0.1	<0.1
Oct-12	2.1	0.5	3.0	853	815	895	7.3	6.7	7.5	<2	<2	<2	0.5	<2	<2	<2	0.5	5.4	4.8	6.0	525	522	530	4.8	2.5	6.9	6.2	4.6	7.5	<0.1	<0.1	<0.1
Nov-12	2.9	1.5	4.4	772	726	816	7.3	6.6	8.0	<2	<2	3	0.4	<2	<2	<2	0.4	5.1	4.6	5.8	502	468	526	6.4	4.5	7.6	7.3	6.9	7.7	<0.1	<0.1	<0.1
Dec-12	4.4	2.9	4.5	802	718	838	7.2	6.5	7.3	<2	<2	3	0.4	<2	<2	<2	0.4	6.1	4.9	6.9	487	468	510	5.9	4.3	7.7	7.3	5.5	9.0	<0.1	<0.1	<0.1
Avg	2.3	1.1	4.1	814	691	893	7.2	6.8	7.5	<2	<2	2	0.5	<2	<2	<2	0.4	5.8	5.1	7.0	499	481	515	6.4	4.9	8.1	7.5	6.5	8.6	<0.1	<0.1	<0.1
Min	1.4	0.4	1.9	712	178	753	7.0	6.5	7.2	<2	<2	<2	0.3	<2	<2	<2	0.3	5.1	4.5	5.8	456	438	472	4.8	2.5	6.7	5.7	4.5	6.7	<0.1	<0.1	<0.1
Max	4.4	2.9	7.6	879	828	1,174	7.3	7.1	8.0	<2	<2	3	0.7	<2	<2	3	0.6	6.7	5.7	8.8	532	522	550	8.4	6.5	11.5	9.6	8.2	12.3	<0.1	<0.1	<0.1

*M-001A is the compliance point for continuous monitoring parameters, TDS, and toxicity.

RP-1/RP-4 (M-002A) Effluent Monitoring Data

Table No. 3b

Date	Flow			EC			pH			BOD ₅				TSS				TOC			TDS			TIN			TN			NH ₃ -N (grab)		
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
Limit>>>	MGD			µmhos/cm			unit			mg/L				%				mg/L			mg/L			mg/L			mg/L			mg/L		
Limit>>>							6.5 -8.5			20				15				20			15						4.5					
Jan-12	12.3	4.0	25.8	737	684	783	7.0	6.8	7.2	<2	<2	<2	0.5	<2	<2	<2	0.3	5.8	5.5	6.3	457	440	470	7.0	5.5	8.6	8.9	7.9	10.3	<0.1	<0.1	<0.1
Feb-12	13.4	4.6	24.7	790	763	823	7.0	6.9	7.2	<2	<2	2	0.7	<2	<2	<2	0.6	5.6	4.8	6.4	472	462	484	7.3	5.7	8.0	8.9	8.7	9.1	<0.1	<0.1	<0.1
Mar-12	17.4	6.7	35.7	785	733	822	7.0	6.8	7.1	<2	<2	2	0.4	<2	<2	<2	0.4	5.6	5.0	6.4	493	477	521	6.4	5.5	7.5	7.1	6.4	7.7	<0.1	<0.1	<0.1
Apr-12	12.6	5.9	24.4	805	771	856	7.0	6.6	7.1	<2	<2	<2	0.3	<2	<2	<2	0.4	5.7	5.1	6.6	498	474	520	8.3	6.5	11.4	9.1	8.3	10.3	<0.1	<0.1	<0.1
May-12	6.0	2.5	12.9	849	749	1,010	7.0	6.6	7.2	<2	<2	<2	0.5	<2	<2	<2	0.5	6.0	5.5	7.3	499	476	516	6.7	4.3	10.4	6.4	6.4	6.4	<0.1	<0.1	0.3
Jun-12	4.8	2.2	9.7	892	807	930	7.1	6.8	7.2	<2	<2	<2	0.5	<2	<2	<2	0.5	5.5	5.0	6.3	494	486	504	6.5	4.5	8.1	6.8	6.0	7.5	<0.1	<0.1	<0.1
Jul-12	5.3	1.6	13.2	843	766	933	7.1	6.8	7.3	<2	<2	<2	0.5	<2	<2	<2	0.5	5.3	4.3	6.4	487	438	510	5.8	4.3	7.1	6.5	5.4	7.2	<0.1	<0.1	<0.1
Aug-12	5.4	1.3	12.3	845	748	920	7.1	6.7	7.6	<2	<2	<2	0.6	<2	<2	<2	0.5	4.9	4.5	5.4	469	454	484	4.8	3.2	6.2	5.8	5.5	6.0	<0.1	<0.1	<0.1
Sep-12	9.3	4.5	15.4	830	771	924	7.1	6.8	7.2	<2	<2	<2	0.5	<2	<2	<2	0.5	5.1	4.8	5.7	472	462	488	4.9	2.8	7.6	5.2	3.5	6.8	<0.2	<0.1	0.4
Oct-12	9.1	3.1	17.1	854	817	899	7.1	6.8	7.2	<2	<2	<2	0.5	<2	<2	<2	0.6	5.1	4.4	5.8	481	472	490	4.4	2.4	6.1	5.6	5.3	5.9	<0.1	<0.1	<0.1
Nov-12	8.3	2.2	17.6	875	827	965	7.1	7.0	7.2	<2	<2	<2	0.4	<2	<2	<2	0.5	4.9	4.2	5.5	482	476	488	5.7	3.9	7.3	6.8	5.6	8.0	<0.1	<0.1	<0.1
Dec-12	20.3	11.6	28.7	856	805	877	7.0	6.9	7.2	<2	<2	<2	0.4	<2	<2	<2	0.5	5.7	4.7	7.1	485	476	500	5.2	4.2	6.7	6.3	6.3	6.4	<0.1	<0.1	<0.1
Avg	10.4	4.2	19.8	830	770	895	7.0	6.8	7.2	<2	<2	<2	0.5	<2	<2	<2	0.5	5.4	4.8	6.3	482	466	498	6.1	4.4	7.9	6.9	6.3	7.6	<0.1	<0.1	<0.1
Min	4.8	1.3	9.7	737	684	783	7.0	6.6	7.1	<2	<2	<2	0.3	<2	<2	<2	0.3	4.9	4.2	5.4	457	438	470	4.4	2.4	6.1	5.2	3.5	5.9	<0.1	<0.1	<0.1
Max	20.3	11.6	35.7	892	827	1,010	7.1	7.0	7.6	<2	<2	2	0.7	<2	<2	<2	0.6	6.0	5.5	7.3	499	486	521	8.3	6.5	11.4	9.1	8.7	10.3	<0.2	<0.1	0.4

Inland Empire Utilities Agency
Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

RP-5 (M-003) Effluent Monitoring Data

Table No. 3c

Date	Flow			EC			pH			BOD ₅				TSS				TOC			TDS			TIN			TN			NH ₃ -N (grab)				
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min
Limit>>>							6.5-8.5			20				15													4.5							
Jan-12	10.3	8.2	12.6	961	891	1,226	7.0	6.6	7.3	<2	<2	3	0.8	<2	<2	3	0.6	4.3	3.9	5.6	517	486	558	6.5	4.9	7.8	7.1	5.6	8.0	<0.1	<0.1	0.3		
Feb-12	10.8	8.5	12.1	970	920	1,075	7.1	7.0	7.2	<2	<2	<2	0.9	<2	<2	5	1.2	4.6	4.1	5.9	524	497	534	6.9	5.8	7.6	8.6	8.4	8.8	<0.1	<0.1	0.1		
Mar-12	10.5	8.0	12.1	1,026	980	1,056	6.9	6.6	7.1	<2	<2	<2	0.7	<2	<2	4	0.8	4.6	4.4	5.1	546	532	574	7.8	5.8	11.2	8.4	8.0	8.7	<0.1	<0.1	<0.1		
Apr-12	10.7	8.7	12.8	1,052	994	1,112	6.8	6.6	7.0	<2	<2	<2	0.6	2	<2	4	1.0	4.4	4.0	4.9	539	526	566	7.5	6.3	9.5	9.0	8.7	9.3	0.2	<0.1	0.3		
May-12	5.7	0.0	10.3	1,079	946	1,114	6.9	6.6	7.0	<2	<2	<2	0.7	2	<2	4	0.9	4.3	3.7	4.7	542	536	548	7.1	5.7	8.1	8.5	8.5	8.5	<0.1	<0.1	0.2		
Jun-12	0.2	0.0	2.0	940	865	1,049	6.8	6.6	7.1	<2	<2	2	0.7	2	<2	4	1.1	4.5	4.0	5.4	546	546	546	6.2	3.6	10.5	4.4	4.4	4.4	<0.1	<0.1	<0.1		
Jul-12	0.8	0.0	2.7	1,025	959	1,075	6.7	6.5	7.0	<2	<2	<2	0.6	<2	<2	4	0.7	4.3	2.9	5.0	556	534	572	6.4	5.3	7.6	7.1	7.1	7.1	<0.1	<0.1	<0.1		
Aug-12	0.4	0.0	1.8	1,005	949	1,066	7.0	6.5	7.4	<2	<2	<2	0.6	<3	<2	17	1.0	4.5	4.1	5.0	553	534	588	6.1	5.2	7.2	6.0	5.7	6.3	<0.1	<0.1	<0.1		
Sep-12	1.1	0.0	5.1	1,001	967	1,095	7.1	6.9	7.3	<2	<2	<2	0.7	<2	<2	6	1.1	4.6	4.2	5.1	532	526	538	6.9	5.5	8.9	6.5	6.5	6.5	<0.1	<0.1	<0.1		
Oct-12	4.8	3.4	9.0	1,013	960	1,121	7.2	6.8	7.4	<2	<2	<2	0.8	<2	<2	4	1.6	4.1	3.6	4.7	528	522	540	5.9	0.6	6.6	8.0	7.8	8.2	<0.1	<0.1	<0.1		
Nov-12	9.1	7.2	10.7	942	912	992	7.2	7.1	7.3	<2	<2	<2	0.6	3	<2	10	1.4	4.3	3.6	7.3	513	500	530	6.9	5.4	7.7	8.5	7.6	9.4	<0.1	<0.1	<0.1		
Dec-12	9.7	8.7	10.5	891	856	927	7.3	7.2	7.4	<2	<2	<2	0.6	3	<2	10	1.6	4.0	3.4	4.5	511	492	522	7.3	5.9	9.0	7.7	6.7	8.8	<0.5	<0.1	1.8		
Avg	6.2	4.4	8.5	992	933	1,076	7.0	6.7	7.2	<2	<2	<2	0.7	<2	<2	6	1.1	4.4	3.8	5.3	534	519	551	6.8	5.0	8.5	7.5	7.1	7.8	<0.1	<0.1	<0.3		
Min	0.2	0.0	1.8	891	856	927	6.7	6.5	7.0	<2	<2	<2	0.6	<2	<2	3	0.6	4.0	2.9	4.5	511	486	522	5.9	0.6	6.6	4.4	4.4	4.4	<0.1	<0.1	<0.1		
Max	10.8	8.7	12.8	1,079	994	1,226	7.3	7.2	7.4	<2	<2	3	0.9	3	<2	17	1.6	4.6	4.4	7.3	556	546	588	7.8	6.3	11.2	9.0	8.7	9.4	<0.5	<0.1	1.8		

CCWRF (M-004) Effluent Monitoring Data

Table No. 3d

Date	Flow			EC			pH			BOD ₅				TSS				TOC			TDS			TIN			TN			NH ₃ -N (grab)				
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min
Limit>>>							6.5-8.5			20				15													4.5							
Jan-12	6.9	4.5	8.7	794	732	866	7.1	6.9	7.2	<2	<2	2	0.7	<2	<2	5	1.6	4.5	4.0	7.7	503	488	510	4.9	4.0	6.0	6.0	5.4	6.7	<0.1	<0.1	<0.1		
Feb-12	6.6	4.7	8.6	881	846	936	7.1	7.0	7.3	<2	<2	<2	0.8	<2	<2	8	1.6	4.6	3.9	7.2	509	499	520	5.2	4.6	6.2	6.2	6.0	6.4	<0.1	<0.1	<0.1		
Mar-12	5.5	3.5	7.1	928	858	970	7.2	6.9	7.3	<2	<2	<2	0.4	<2	<2	<2	0.6	5.0	4.5	5.8	526	510	549	5.5	4.8	6.6	6.5	6.0	6.9	<0.1	<0.1	<0.1		
Apr-12	5.3	3.7	7.1	947	882	991	7.2	7.0	8.0	<2	<2	<2	0.3	<2	<2	<2	0.3	4.7	4.4	5.4	518	512	534	4.2	3.1	5.9	5.2	4.0	6.7	<0.1	<0.1	<0.1		
May-12	3.6	3.3	5.6	906	879	987	7.1	6.8	7.2	<2	<2	<2	0.4	<2	<2	3	0.5	5.2	4.3	5.8	524	498	540	3.9	3.3	4.9	5.2	4.6	5.7	<0.1	<0.1	<0.1		
Jun-12	3.4	3.0	4.2	877	795	940	7.0	6.8	7.3	<2	<2	<2	0.5	<2	<2	<2	0.6	5.3	4.7	5.9	545	508	632	4.1	3.4	4.9	5.0	4.2	5.8	<0.1	<0.1	<0.1		
Jul-12	2.6	1.9	3.0	847	560	912	7.0	6.5	7.2	<2	<2	<2	0.5	<2	<2	4	0.6	5.0	3.4	6.6	530	518	542	4.4	3.2	5.7	5.7	5.0	7.1	<0.1	<0.1	<0.1		
Aug-12	1.6	1.0	3.1	819	487	890	7.0	6.7	7.2	<2	<2	<2	0.5	<2	<2	2	0.6	4.5	4.1	5.6	511	498	530	3.9	3.3	5.1	4.1	4.0	4.3	<0.1	<0.1	<0.1		
Sep-12	1.5	1.0	4.1	885	864	906	7.0	6.7	7.3	<2	<2	<2	0.5	<2	<2	2	0.5	4.6	4.3	5.0	522	516	530	4.5	3.9	5.2	4.8	4.3	5.3	<0.1	<0.1	<0.1		
Oct-12	5.0	1.6	7.3	902	873	966	7.1	6.8	7.2	<2	<2	<2	0.5	<2	<2	3	0.6	4.2	3.9	4.7	529	520	540	4.8	3.7	5.4	6.0	5.2	6.7	<0.1	<0.1	<0.1		
Nov-12	5.2	3.4	7.5	893	848	924	7.0	6.9	7.2	<2	<2	<2	0.5	<2	<2	2	1.2	4.1	3.7	4.7	531	516	546	5.1	3.4	6.0	5.1	4.1	6.1	<0.1	<0.1	<0.1		
Dec-12	7.0	6.5	7.6	919	858	959	7.0	6.8	8.0	<2	<2	<2	0.4	<2	<2	2	0.6	4.7	4.0	5.2	531	522	552	6.3	5.5	7.9	7.3	6.9	7.7	<0.2	<0.1	0.6		
Avg	4.5	3.2	6.2	883	790	937	7.1	6.8	7.4	<2	<2	<2	0.5	<2	<2	3	0.8	4.7	4.1	5.8	523	509	544	4.7	3.9	5.8	5.6	5.0	6.3	<0.1	<0.1	<0.1		
Min	1.5	1.0	3.0	794	487	866	7.0	6.5	7.2	<2	<2	<2	0.3	<2	<2	<2	0.3	4.1	3.4	4.7	503	488	510	3.9	3.1	4.9	4.1	4.0	4.3	<0.1	<0.1	<0.1		
Max	7.0	6.5	8.7	947	882	991	7.2	7.0	8.0	<2	<2	2	0.8	<2	<2	8	1.6	5.3	4.7	7.7	545	522	632	6.3	5.5	7.9	7.3	6.9	7.7	<0.2	<0.1	0.6		

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

RP-1 (M-001A) Effluent Monthly Toxicity Data

Table No. 4a

CHRONIC TOXICITY - SURVIVAL (Ceriodaphnia Dubia)						CHRONIC TOXICITY - REPRODUCTION (Ceriodaphnia dubia)				
START DATE	END DATE	NOEC	TUc	2-Mo Median TUc	NOEC	TUc	2-Mo Median TUc	IC ₂₅		
01/15/12	thru 01/21/12	100	1.0	1.0	100	1.0	1.0	100		
02/12/12	thru 02/18/12	100	1.0	1.0	70	1.4	1.2	78		
02/26/12	thru 03/03/12	100	1.0	1.0	80	1.3	1.3	65		
03/11/12	thru 03/17/12	100	1.0	1.0	60	1.7	1.4	91		
03/25/12	thru 03/30/12	100	1.0	1.0	100	1.0	1.3	100		
04/08/12	thru 04/15/12	100	1.0	1.0	100	1.0	1.0	100		
05/06/12	thru 05/12/12	100	1.0	1.0	100	1.0	1.0	85		
06/10/12	thru 06/15/12	100	1.0	1.0	100	1.0	1.0	100		
07/08/12	thru 07/14/12	100	1.0	1.0	100	1.0	1.0	100		
08/19/12	thru 08/25/12	100	1.0	1.0	100	1.0	1.0	100		
09/02/12	thru 09/08/12	100	1.0	1.0	100	1.0	1.0	100		
09/30/12	thru 10/06/12	100	1.0	1.0	100	1.0	1.0	100		
11/04/12	thru 11/09/12	100	1.0	1.0	100	1.0	1.0	100		
12/02/12	thru 12/08/12	100	1.0	1.0	100	1.0	1.0	100		

RP-1/RP-4 (M-002A) Effluent Monthly Toxicity Data

Table No. 4b

CHRONIC TOXICITY - SURVIVAL (Ceriodaphnia Dubia)						CHRONIC TOXICITY - REPRODUCTION (Ceriodaphnia dubia)				
START DATE	END DATE	NOEC	TUc	2-Mo Median TUc	NOEC	TUc	2-Mo Median TUc	IC ₂₅		
01/01/12	thru 01/06/12	100	1.0	1.0	100	1.0	1.0	100		
01/15/12	thru 01/21/12	100	1.0	1.0	100	1.0	1.1	100		
02/05/12	thru 02/11/12	100	1.0	1.0	90	1.1	1.0	93		
02/19/12	thru 02/26/12				QC Failure					
03/04/12	thru 03/10/12	100	1.0	1.0	100	1.0	1.1	100		
03/18/12	thru 03/24/12	100	1.0	1.0	100	1.0	1.0	100		
04/22/12	thru 04/28/12	100	1.0	1.0	100	1.0	1.0	100		
05/06/12	thru 05/12/12	100	1.0	1.0	100	1.0	1.0	100		
06/10/12	thru 06/15/12	100	1.0	1.0	100	1.0	1.0	100		
07/29/12	thru 08/04/12	100	1.0	1.0	100	1.0	1.0	100		
08/19/12	thru 08/24/12	100	1.0	1.0	100	1.0	1.0	100		
09/09/12	thru 09/15/12	100	1.0	1.0	100	1.0	1.0	100		
10/14/12*	thru 10/20/12	100	1.0	1.0	100	1.0	1.0	100		
11/11/12	thru 11/18/12	100	1.0	1.0	100	1.0	1.0	100		
12/09/12	thru 12/15/12	100	1.0	1.0	100	1.0	1.0	100		
12/10/12**	thru 12/14/12	100	1.0	1.0	100	1.0	1.0	100		

* Failed PMSD Test Acceptability Criteria due to low variability, test results are acceptable.

** Annual split sample with MBC Laboratory

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

RP-5 (M-003) Effluent Monthly Toxicity Data

Table No. 4c

CHRONIC TOXICITY - SURVIVAL (Ceriodaphnia Dubia)						CHRONIC TOXICITY - REPRODUCTION (Ceriodaphnia dubia)				
START DATE	END DATE	NOEC	TUc	2-Mo Median TUc		NOEC	TUc	2-Mo Median TUc	IC ₂₅	
01/01/12	thru 01/06/12	100	1.0	1.0		100	1.0	1.0	100	
02/19/12	thru 02/26/12	100	1.0	1.0		100	1.0	1.0	100	
03/11/12	thru 03/17/12	100	1.0	1.0		100	1.0	1.0	100	
04/15/12	thru 04/21/12	100	1.0	1.0		100	1.0	1.0	100	
04/29/12	thru 05/05/12	100	1.0	1.0		100	1.0	1.0	100	
07/08/12	thru 07/14/12	100	1.0	1.0		100	1.0	1.0	100	
10/14/12*	thru 10/20/12	100	1.0	1.0		100	1.0	1.0	100	
11/04/12	thru 11/09/12	100	1.0	1.0		100	1.0	1.0	100	
12/02/12	thru 12/08/12	100	1.0	1.0		100	1.0	1.0	100	

CCWRF (M-004) Effluent Monthly Toxicity Data

Table No. 4d

CHRONIC TOXICITY - SURVIVAL (Ceriodaphnia Dubia)						CHRONIC TOXICITY - REPRODUCTION (Ceriodaphnia dubia)				
START DATE	END DATE	NOEC	TUc	2-Mo Median TUc		NOEC	TUc	2-Mo Median TUc	IC ₂₅	
01/06/12	thru 01/14/12	100	1.0	1.0		100	1.0	1.0	100	
02/05/12	thru 02/11/12	100	1.0	1.0		100	1.0	1.0	100	
03/04/12	thru 03/10/12	100	1.0	1.0		100	1.0	1.0	100	
04/01/12	thru 04/06/12	100	1.0	1.0		100	1.0	1.0	100	
05/13/12	thru 05/19/12	100	1.0	1.0		100	1.0	1.0	100	
06/03/12	thru 06/09/12	100	1.0	1.0		100	1.0	1.0	100	
07/22/12	thru 07/28/12	100	1.0	1.0		100	1.0	1.0	100	
08/11/12	thru 08/17/12	100	1.0	1.0		100	1.0	1.0	100	
09/16/12	thru 09/21/12	100	1.0	1.0		100	1.0	1.0	100	
10/21/12	thru 10/27/12	100	1.0	1.0		100	1.0	1.0	100	
11/18/12	thru 11/23/12	100	1.0	1.0		100	1.0	1.0	100	
12/16/12	thru 12/22/12	100	1.0	1.0		100	1.0	1.0	100	

* Failed PMSD Test Acceptability Criteria due to low variability, test results are acceptable.

** Annual split sample with MBC Laboratory

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

RP-1 (M-001A & M-001B) & RP-1/RP-4 (M-002A) Effluent Monitoring and Coliform Data

Table No. 5a

Date	001 Turbidity		002 Turbidity		001 Temp		002 Temp		001 Daily Coliform		001 7-day Median		002 Daily Coliform*		002 7-day Median		001 FLR	001 DT	001 CT	002 FLR	002 DT	002 CT				
	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Max	Min	Min	Max	Min	Min				
	NTU		NTU		°C		°C		MPN / 100 mL												gpm/ft ²	min	mg-min/L	gpm/ft ³	min	mg-min/L
Jan-12	0.8	1.0	0.6	2.6	22.6	23.5	22.3	22.8	<2	4	<2	2	<2	4	<2	2	4	140	561	4	135	592				
Feb-12	0.7	0.9	0.6	0.8	23.2	25.8	22.1	22.6	<2	8	<2	<2	<2	8	<2	<2	3	165	621	3	165	652				
Mar-12	0.7	1.1	0.6	1.5	23.2	26.4	22.5	23.2	<2	13	<2	<2	<2	13	<2	<2	4	145	580	4	136	617				
Apr-12	0.8	1.3	0.7	2.5	24.1	25.3	23.8	25.0	<2	4	<2	2	<2	4	<2	2	3	169	624	3	157	662				
May-12	1.0	1.2	0.7	0.9	26.0	27.1	25.8	26.7	<2	2	<2	<2	<2	2	<2	<2	4	156	593	4	154	502				
Jun-12	0.8	1.1	0.6	2.2	27.4	27.9	27.3	28.0	<2	4	<2	2	<2	4	<2	2	4	157	583	4	137	598				
Jul-12	0.7	0.9	0.5	1.3	28.3	29.2	28.6	29.1	<2	2	<2	<2	<2	2	<2	<2	4	153	586	4	152	655				
Aug-12	1.1	1.4	0.5	0.7	29.9	30.3	29.8	30.3	<2	2	<2	<2	<2	2	<2	<2	3	163	634	3	158	643				
Sep-12	1.1	1.5	0.5	0.7	29.6	30.1	29.8	30.2	<2	<2	<2	<2	<2	<2	<2	<2	3	162	590	3	149	612				
Oct-12	0.9	1.5	0.5	3.5	28.2	29.6	28.4	29.8	<2	2	<2	<2	<2	2	<2	<2	4	157	623	4	144	542				
Nov-12	0.5	0.7	0.5	0.7	26.4	27.5	26.0	27.2	<2	4	<2	<2	<2	4	<2	<2	3	151	567	3	142	601				
Dec-12	0.5	1.0	0.6	1.0	24.1	25.9	23.8	25.3	<2	4	<2	<2	<2	4	<2	<2	3	159	600	3	133	636				
Avg	0.8	1.1	0.6	1.5	26.1	27.4	25.8	26.7	<2	4	<2	<2	<2	4	<2	<2	4	156	598	4	147	609				
Min	0.5	0.7	0.5	0.7	22.6	23.5	22.1	22.6	<2	<2	<2	<2	<2	<2	<2	<2	3	140	561	3	133	502				
Max	1.1	1.5	0.7	3.5	29.9	30.3	29.8	30.3	<2	13	<2	2	<2	13	<2	2	4	169	634	4	165	662				

Requirements for disinfected tertiary-treated recycled water Title 22 Compliance: Min: 450 mg/L-min CT & 90 min DT
 *Beginning August 2009, 002 effluent coliform compliance point at M-001B (splitter box).

RP-5 (M-003) & CCWRF (M-004) Effluent Monitoring and Coliform Data

Table No. 5b

Date	003 Turbidity		004 Turbidity		003 Temp		004 Temp		003 Daily Coliform		003 7-day Median		004 Daily Coliform		004 7-day Median		003 FLR	003 DT	003 CT	004 FLR	004 DT	004 CT				
	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Max	Min	Min	Max	Min	Min				
	NTU		NTU		°C		°C		MPN / 100 mL												gpm/ft ²	min	mg-min/L	gpm/ft ³	min	mg-min/L
Jan-12	0.7	1.2	0.4	0.6	21.6	22.1	21.4	21.6	<2	2	<2	<2	<2	<2	<2	<2	4	137	487	2	141	587				
Feb-12	1.3	1.9	0.5	1.3	21.9	22.7	21.4	21.9	<2	2	<2	<2	<2	2	<2	<2	5	143	483	2	142	486				
Mar-12	1.0	1.5	0.8	1.1	22.3	22.5	21.6	22.1	<2	2	<2	<2	<2	2	<2	<2	4	134	480	1	162	567				
Apr-12	1.4	1.9	0.7	1.0	23.3	24.0	22.7	24.4	<2	2	<2	<2	<2	2	<2	<2	5	141	497	2	146	501				
May-12	1.2	2.3	0.7	0.9	25.1	26.3	25.1	26.0	<2	11	<2	<2	<2	4	<2	<2	4	153	499	1	162	526				
Jun-12	1.2	1.7	0.8	1.5	26.5	27.0	26.2	27.0	<2	<2	<2	<2	<2	2	<2	<2	4	120	478	1	164	499				
Jul-12	1.0	1.5	0.7	2.2	27.3	27.5	27.7	28.2	<2	13	<2	<2	<2	4	<2	2	4	159	520	1	175	510				
Aug-12	1.1	1.4	0.5	1.2	28.3	29.2	28.0	30.2	<5	75	<2	<2	<2	<2	<2	<2	4	94	470	1	189	612				
Sep-12	1.1	1.5	0.4	0.5	28.4	28.5	27.5	29.1	<2	<2	<2	<2	<2	<2	<2	<2	4	99	487	1	173	562				
Oct-12	0.6	0.9	0.4	0.6	26.9	28.5	27.3	28.2	<2	2	<2	<2	<2	<2	<2	<2	4	157	472	1	178	569				
Nov-12	0.9	1.9	0.3	0.4	24.8	25.5	23.1	24.7	<4	50	<2	<2	<2	<2	<2	<2	4	135	480	1	173	526				
Dec-12	1.2	1.7	0.8	1.5	24.1	24.3	23.1	23.8	<2	2	<2	<2	<3	8	<3	7	4	146	482	1	179	525				
Avg	1.1	1.6	0.6	1.1	25.0	25.7	24.6	25.6	<2	14	<2	<2	<2	3	<2	<2	4	135	483	1	165	539				
Min	0.6	0.9	0.3	0.4	21.6	22.1	21.4	21.6	<2	<2	<2	<2	<2	<2	<2	<2	4	94	470	1	141	486				
Max	1.4	2.3	0.8	2.2	28.4	29.2	28.0	30.2	<5	75	<2	<2	<3	8	<3	7	5	159	520	2	189	612				

Requirements for disinfected tertiary-treated recycled water Title 22 Compliance: Min: 450 mg/L-min CT & 90 min DT

RP-1 (M-001A) & RP-1/RP-4 (M-002A) Effluent and Receiving Water (R-002U & R-002D) Data

Table No. 6a

Date	M-001A Cl ₂ Residual*				M-002A Cl ₂ Residual*				Upstream Cucamonga Creek (R-002U)								Downstream Cucamonga Creek (R-002D)							
	DO		Temp		pH		TDS	TIN	Total Hardness	TSS	DO		Temp		pH		Total Hardness	TSS						
	Avg	Max	Avg	Max	Avg	Min	Avg	Max	Min	Max	Avg	Avg	Avg	Avg	Avg	Min	Max	Min	Max	Avg	Avg			
	mg/L				mg/L				°C				unit				mg/L				mg/L			
Jan-12	0.0	0.0	0.0	0.0	12.9	11.0	23.0	23.4	7.0	10.8	294	0.7	112	6	11.2	9.0	18.1	21.8	7.9	8.4	126	6		
Feb-12	0.0	0.0	0.0	0.0	13.2	11.5	10.3	12.0	10.3	10.9	274	<0.2	-	-	12.0	11.5	14.3	15.0	7.9	8.1	-	-		
Mar-12	0.0	0.0	0.0	0.0	13.6	12.4	11.0	14.0	8.6	10.8	2400	0.6	-	-	11.8	9.1	14.8	16.0	7.2	8.1	-	-		
Apr-12	0.0	0.0	0.0	0.0	13.2	10.4	12.5	15.0	9.3	10.7	411	4.2	72	2	12.7	11.0	15.8	17.0	7.7	8.5	129	3		
May-12	0.0	0.0	0.0	0.0	13.0	11.7	22.8	25.0	9.8	11.1	284	0.2	-	-	10.7	10.0	23.6	25.0	8.0	8.6	-	-		
Jun-12	0.0	0.0	0.0	0.0	12.8	11.4	24.9	27.3	9.3	10.7	274	0.2	-	-	13.3	9.6	25.7	26.4	8.1	9.4	-	-		
Jul-12	0.0	0.0	0.0	0.0	11.7	10.0	21.8	24.5	9.1	10.0	366	0.2	173	<2	12.9	10.6	24.5	24.9	7.1	9.4	156	4		
Aug-12	0.0	0.0	0.0	0.0	9.8	9.4	25.8	28.5	8.2	10.9	350	3.1	-	-	14.3	9.1	28.4	31.1	8.1	9.3	-	-		
Sep-12	0.0	0.0	0.0	0.0	10.4	8.6	21.5	26.9	8.2	9.7	294	0.2	-	-	10.1	9.1	27.6	30.5	7.8	8.4	-	-		
Oct-12	0.0	0.0	0.0	0.0	12.6	11.6	20.5	27.3	7.8	8.7	310	0.2	182	18	11.1	8.3	25.4	26.4	7.6	8.2	154	4		
Nov-12	0.0	0.0	0.0	0.0	12.4	11.3	17.4	20.4	8.6	9.6	338	1.3	-	-	11.3	8.4	23.5	25.4	8.4	8.7	-	-		
Dec-12	0.0	0.0	0.0	0.0	11.9	11.0	13.4	17.1	7.6	7.7	338	1.4	-	-	10.4	7.7	23.3	23.5	7.6	7.6	-	-		
Avg	0.0	0.0	0.0	0.0	12.3	10.9	18.7	21.8	8.6	10.1	494	1.1	135	7	11.8	9.4	22.1	23.6	7.8	8.6	141	4		
Min	0.0	0.0	0.0	0.0	9.8	8.6	10.3	12.0	7.0	7.7	274	<0.2	72	<2	10.1	7.7	14.3	15.0	7.1	7.6	126	3		
Max	0.0	0.0	0.0	0.0	13.6	12.4	25.8	28.5	10.3	11.1	2,400	4.2	182	18	14.3	11.5	28.4	31.1	8.4	9.4	156	6		

RP-5 (M-003) & CCWRF (M-004) Effluent and Receiving Water (R-003U, R-003D, & R-004U) Data

Table No. 6b

Date	M-003 Cl ₂ Residual*				M-004 Cl ₂ Residual*				Upstream Chino Creek (R-003U)								Downstream Chino Creek (R-003D)								Upstream Chino Creek (R-004U)							
	DO		Temp		pH		TDS	TIN	Total Hardness	TSS	DO		Temp		pH		Total Hardness	TSS	DO		Temp		pH		TDS	TIN	Total Hardness	TSS				
	Avg	Max	Avg	Max	Avg	Min	Avg	Max	Min	Max	Avg	Avg	Avg	Avg	Avg	Min	Max	Min	Max	Avg	Avg	Avg	Min	Max	Min	Max	Avg	Avg	Avg	Avg		
	mg/L				mg/L				°C				unit				mg/L				mg/L				mg/L				mg/L			
Jan-12	0.0	0.0	0.0	0.0	7.8	6.9	21.2	21.3	7.4	7.8	480	5.4	166	9	8.5	8.2	18.5	19.2	7.5	7.7	244	7	10.4	8.8	14.3	18.3	8.4	9.4	760	3.1	455	5
Feb-12	0.0	0.0	0.0	0.0	7.3	4.8	21.5	22.4	7.2	7.8	488	5.3	-	-	8.4	7.8	18.4	19.6	7.1	7.8	-	-	8.9	4.9	20.3	21.8	8.7	11.0	656	1.5	-	-
Mar-12	0.0	0.0	0.0	0.0	9.9	8.9	22.4	22.7	7.6	7.9	512	6.0	-	-	8.2	7.6	19.4	20.8	7.2	7.5	-	-	13.8	10.9	22.5	25.4	9.6	10.1	777	1.7	-	-
Apr-12	0.0	0.0	0.0	0.0	9.2	8.5	22.6	24.4	7.0	9.0	582	6.5	171	5	7.9	7.4	21.1	22.6	7.4	7.6	231	8	8.8	7.8	22.5	29.1	8.1	8.5	890	1.7	447	10
May-12	0.0	0.0	0.0	0.0	11.4	8.9	25.1	26.0	7.9	8.5	560	3.8	-	-	7.1	6.7	23.1	23.3	7.2	7.3	-	-	14.0	10.5	23.8	30.4	9.2	10.6	1044	2.6	-	-
Jun-12	0.0	0.0	0.0	0.0	12.8	10.7	25.8	27.2	7.4	8.7	528	4.5	-	-	7.1	6.7	22.5	23.1	7.1	7.5	-	-	16.8	12.9	23.2	32.5	8.6	9.2	956	1.3	-	-
Jul-12	0.0	0.0	0.0	0.0	14.9	12.1	27.0	29.3	7.7	7.9	538	3.7	169	-	6.5	5.7	23.5	24.6	6.9	7.3	312	-	15.5	10.7	28.1	34.9	8.8	10.1	924	1.6	542	-
Aug-12	0.0	0.0	0.0	0.0	10.8	5.2	27.8	29.8	7.5	8.8	516	3.9	-	2	5.8	5.2	25.3	26.3	7.0	8.1	-	11	13.1	6.3	26.2	31.5	8.2	9.3	686	1.3	-	17
Sep-12	0.0	0.0	0.0	0.0	11.6	9.5	28.0	29.4	7.8	8.3	540	4.7	-	-	6.7	6.5	24.7	25.8	8.0	8.1	-	-	13.4	11.4	26.8	31.2	8.8	9.5	788	2	-	-
Oct-12	0.0	0.0	0.0	0.0	12.1	9.4	27.1	29.6	7.4	9.2	526	4.4	172	4	6.8	6.5	23.7	25.4	8.0	8.8	251	5	13.1	10.8	26.4	29.4	7.4	10.1	790	3.6	346	19
Nov-12	0.0	0.0	0.0	0.0	8.2	7.1	23.5	24.6	7.4	7.7	544	3.4	-	-	7.5	7.0	21.2	22.5	7.7	9.4	-	-	10.4	8.3	17.8	23.5	7.7	8.6	732	6.3	-	-
Dec-12	0.0	0.0	0.0	0.0	8.2	6.7	23.2	23.8	7.4	8.9	546	6.4	-	-	7.8	7.2	20.1	21.6	8.6	8.9	-	-	14.0	8.6	16.6	17.8	8.3	9.0	842	2.3	-	-
Avg	0.0	0.0	0.0	0.0	10.3	8.2	24.6	25.9	7.5	8.4	530	4.8	170	5	7.4	6.9	21.8	22.9	7.5	8.0	260	8	12.7	9.3	22.4	27.2	8.5	9.6	820	2.4	448	13
Min	0.0	0.0	0.0	0.0	7.3	4.8	21.2	21.3	7.0	7.7	480	3.4	166	2	5.8	5.2	18.4	19.2	6.9	7.3	231	5	8.8	4.9	14.3	17.8	7.4	8.5	656	1.3	346	5
Max	0.0	0.0	0.0	0.0	14.9	12.1	28.0	29.8	7.9	9.2	582	6.5	172	9	8.5	8.2	25.3	26.3	8.6	9.4	312	11	16.8	12.9	28.1	34.9	9.6	11.0	1,044	6.3	542	19

* A chlorine residual of 0.0 mg/L signifies a positive sodium bisulfite residual and a negative chlorine residual.

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

RP-1 (REC-001) & RP-4 (REC-002) Recycled Water Data

Table No. 7a

Date	REC-001											REC-002											
	Flow	pH	Turbidity	CT	Daily Coliform		7-day Median		BOD	TSS	TDS	Flow	pH	Turbidity	CT	Daily Coliform		7-day Median		BOD	TSS	TDS	
	Avg	Avg	Avg	Min	Avg	Max	Avg	Max	Avg	Avg	Avg	Avg	Avg	Avg	Min	Avg	Max	Avg	Max	Avg	Avg	Avg	
	mgd	unit	NTU	mg-min/L	MPN / 100 mL				mg/L				mgd	unit	NTU	mg-min/L	MPN / 100 mL				mg/L		
Jan-12	9.4	7.1	0.8	561	<2	4	<2	2	<2	<2	441	8.2	7.0	0.6	625	<2	<2	<2	<2	<2	<2	407	
Feb-12	10.0	7.0	0.7	621	<2	8	<2	<2	<2	<2	455	8.3	7.0	0.8	614	<2	<2	<2	<2	<2	<2	416	
Mar-12	8.6	7.1	0.7	580	<2	13	<2	<2	<2	<2	475	6.7	7.0	0.9	789	<2	2	<2	<2	<2	<2	435	
Apr-12	10.2	7.2	0.8	624	<2	4	<2	2	<2	<2	479	6.5	7.0	1.0	567	<2	<2	<2	<2	<2	<2	430	
May-12	16.4	7.2	1.0	593	<2	2	<2	<2	<2	<2	480	8.6	7.1	1.2	536	<2	<2	<2	<2	<2	<2	451	
Jun-12	18.9	7.2	0.8	583	<2	4	<2	2	<2	<2	466	8.7	7.2	0.9	640	<2	<2	<2	<2	<2	<2	442	
Jul-12	18.3	7.2	0.7	586	<2	2	<2	<2	<2	<2	464	8.6	7.2	1.3	472	<2	<2	<2	<2	<2	<2	422	
Aug-12	18.4	7.3	1.1	634	<2	2	<2	<2	<2	<2	442	8.3	7.2	1.2	703	<2	<2	<2	<2	<2	<2	433	
Sep-12	14.7	7.3	1.1	590	<2	<2	<2	<2	<2	<2	455	8.5	7.2	0.6	544	<2	<2	<2	<2	<2	<2	425	
Oct-12	14.8	7.3	0.9	623	<2	2	<2	<2	<2	<2	466	8.1	7.1	0.3	649	<2	<2	<2	<2	<2	<2	451	
Nov-12	16.3	7.3	0.5	567	<2	4	<2	<2	<2	<2	469	6.4	7.1	0.3	794	<2	2	<2	<2	<2	<2	451	
Dec-12	5.3	7.2	0.5	600	<2	4	<2	<2	<2	<2	475	17.4	7.0	0.3	688	<2	2	<2	<2	<2	<2	447	
Avg	13.4	7.2	0.8	597	<2	4	<2	<2	<2	<2	464	8.7	7.1	0.8	643	<2	<2	<2	<2	<2	<2	434	
Min	5.3	7.0	0.5	561	<2	<2	<2	<2	<2	<2	441	6.4	7.0	0.3	472	<2	<2	<2	<2	<2	<2	407	
Max	18.9	7.3	1.1	634	<2	13	<2	2	<2	<2	480	17.4	7.2	1.3	794	<2	2	<2	<2	<2	<2	451	

RP-5 (REC-003) & CCWRF (REC-004) Recycled Water Data

Table No. 7b

Date	REC-003											REC-004											
	Flow	pH	Turbidity	CT	Daily Coliform		7-day Median		BOD	TSS	TDS	Flow	pH	Turbidity	CT	Daily Coliform		7-day Median		BOD	TSS	TDS	
	Avg	Avg	Avg	Min	Avg	Max	Avg	Max	Avg	Avg	Avg	Avg	Avg	Avg	Min	Avg	Max	Avg	Max	Avg	Avg	Avg	
	mgd	unit	NTU	mg-min/L	MPN / 100 mL				mg/L				mgd	unit	NTU	mg-min/L	MPN / 100 mL				mg/L		
Jan-12	0.0	7.0	0.7	487	<2	2	<2	<2	<2	<2		0.8	7.1	0.4	587	<2	<2	<2	<2	<2	<2	492	
Feb-12	0.0	7.1	1.3	483	<2	2	<2	<2	<2	<2	532	0.7	7.1	0.5	486	<2	2	<2	<2	<2	<2	496	
Mar-12	0.0	6.9	1.0	480	<2	2	<2	<2	<2	<2	514	0.7	7.2	0.8	567	<2	2	<2	<2	<2	<2	513	
Apr-12	0.0	6.8	1.4	497	<2	2	<2	<2	<2	2		1.4	7.2	0.7	501	<2	2	<2	<2	<2	<2	510	
May-12	3.1	6.9	1.2	499	<2	11	<2	<2	<2	2	519	3.4	7.1	0.7	526	<2	4	<2	<2	<2	<2	514	
Jun-12	7.4	6.8	1.2	478	<2	<2	<2	<2	<2	2	515	3.5	7.0	0.8	499	<2	2	<2	<2	<2	<2	498	
Jul-12	7.6	6.7	1.0	520	<2	13	<2	<2	<2	<2	514	3.8	7.0	0.7	510	<2	4	<2	2	<2	<2	512	
Aug-12	8.8	7.0	1.1	470	<5	75	<2	<2	<2	<3	498	4.3	7.0	0.5	612	<2	<2	<2	<2	<2	<2	491	
Sep-12	7.2	7.1	1.1	487	<2	<2	<2	<2	<2	<2	510	4.9	7.0	0.4	562	<2	<2	<2	<2	<2	<2	493	
Oct-12	3.5	7.2	0.6	472	<2	2	<2	<2	<2	<2	513	1.8	7.1	0.4	569	<2	<2	<2	<2	<2	<2	514	
Nov-12	0.0	7.2	0.9	480	<4	50	<2	<2	<2	3	512	1.5	7.0	0.3	526	<2	<2	<2	<2	<2	<2	514	
Dec-12	0.0	7.3	1.2	482	<2	2	<2	<2	<2	3		0.0	7.0	0.8	525	<3	8	<3	7	<2	<2	517	
Avg	3.2	7.0	1.1	486	<2	14	<2	<2	<2	<2	514	2.2	7.1	0.6	537	<2	3	<2	<2	<2	<2	505	
Min	0.0	6.7	0.6	470	<2	<2	<2	<2	<2	<2	498	0.0	7.0	0.3	486	<2	<2	<2	<2	<2	<2	491	
Max	8.8	7.3	1.4	520	<5	75	<2	<2	<2	3	532	4.9	7.2	0.8	612	<3	8	<3	7	<2	<2	517	

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

RP-1 (M-001B) Effluent Monthly Inorganic & Organic Data

Table No. 8a

Date	Total Hardness	HCO ₃ ²⁻	B	Ca	CO ₃ ²⁻	Cl	F	Mg	Na	SO ₄	Cd, TR	Cr, Total	Cu, TR	Pb, TR	Hg, TR	Se, TR	Ag, TR	Zn, TR	Bis(2-ethylhexyl) phthalate	Bromodi-chloromethane	CN, Free*
Limits																4.1 mo avg; 8.2 max daily			5.9 mo avg; 11.9 max daily		4.2 mo avg; 8.5 max daily
Jan-12	134	138	0.3	39	0	100	0.2	9	84	46	<0.25	0.9	3	<0.5	<0.05	<2	<0.25	25	<2	24	<2
Feb-12	142	131	0.2	41	0	112	0.2	10	92	46	<0.25	0.8	3	<0.5	<0.05	<2	<0.25	27	<2		<2
Mar-12	139	131	0.2	38	0	128	0.3	11	93	52	<0.25	1.0	4	<0.5	<0.05	<2	<0.25	30	<2		<2
Apr-12	146	134	0.2	42	0	132	0.3	10	102	49	<0.25	0.7	3	<0.5	<0.05	<2	<0.25	26	<2	18	<2
May-12	158	130	0.3	47	0	123	0.2	11	104	50	<0.25	<0.5	2	<0.5	<0.05	<2	<0.25	23	<2		<2
Jun-12	147	138	0.4	42	0	114	0.1	10	99	45	<0.25	1.0	3	<0.5	<0.05	<2	<0.25	30	<2		<2
Jul-12	153	155	0.2	46	0	98	0.2	9	95	40	<0.25	1.0	1	<0.5	<0.05	<2	<0.25	22	<2	22	<2
Aug-12	164	151	0.2	49	0	96	0.2	10	102	38	<0.25	1.3	2	<0.5	<0.05	<2	<0.25	23	<2		<2
Sep-12	149	148	0.2	44	0	100	0.1	9	95	39	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	29	<2		<2
Oct-12	147	144	0.2	43	0	113	0.2	10	101	40	<0.25	0.8	2	<0.5	<0.05	<2	<0.25	24	<2	33	<2
Nov-12	147	144	0.2	42	0	112	0.2	10	100	42	<0.25	0.7	2	<0.5	<0.05	<2	<0.25	31	<2		<2
Dec-12	142	150	0.3	41	0	110	0.2	10	96	41	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	23	<2		<2
Avg	147	141	0.2	43	0	112	0.2	10	97	44	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	26	<2	24	<2
Min	134	130	0.2	38	0	96	0.1	9	84	38	<0.25	<0.5	1	<0.5	<0.05	<2	<0.25	22	<2	18	<2
Max	164	155	0.4	49	0	132	0.3	11	104	52	<0.25	1.3	4	<0.5	<0.05	<2	<0.25	31	<2	33	<2

RP-1/RP-4 (M-002A) Effluent Monthly Inorganic & Organic Data

Table No. 8b

Date	Total Hardness	HCO ₃ ²⁻	B	Ca	CO ₃ ²⁻	Cl	F	Mg	Na	SO ₄	Cd, TR	Cr, Total	Cu, TR	Pb, TR	Hg, TR	Se, TR	Ag, TR	Zn, TR	Bis(2-ethylhexyl) phthalate	Bromodi-chloromethane	CN, Free*
Limits																4.1 mo avg; 8.2 max daily			5.9 mo avg; 11.9 max daily		4.2 mo avg; 8.5 max daily
Jan-12	136	126	0.2	40	0	103	0.2	9	92	63	<0.25	0.9	3	<0.5	<0.05	<2	<0.25	23	<2	15	<2
Feb-12	140	121	0.2	41	0	111	0.2	10	94	60	<0.25	0.8	2	<0.5	<0.05	<2	<0.25	27	<2		3
Mar-12	140	119	0.2	39	0	129	0.3	11	103	71	<0.25	1.1	4	<0.5	<0.05	<2	<0.25	30	<2		<2
Apr-12	146	126	0.2	43	0	131	0.2	9	108	68	<0.25	0.7	3	<0.5	<0.05	<2	<0.25	25	<2	17	3
May-12	155	119	0.3	45	0	123	0.2	10	108	68	<0.25	0.8	2	<0.5	<0.05	<2	<0.25	21	<2		<2
Jun-12	146	127	0.4	42	0	114	0.2	10	106	69	<0.25	0.9	3	<0.5	<0.05	<2	<0.25	31	<2		3
Jul-12	155	145	0.2	46	0	101	0.2	10	102	57	<0.25	1.0	1	<0.5	<0.05	<2	<0.25	22	<2	20	<2
Aug-12	161	144	0.2	48	0	99	0.2	10	100	50	<0.25	1.0	2	<0.5	<0.05	<2	<0.25	24	<2		2
Sep-12	148	141	0.2	44	0	100	0.2	9	98	54	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	29	<2		3*
Oct-12	145	143	0.2	42	0	114	0.2	10	105	55	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	24	<2	25	<2
Nov-12	149	140	0.2	43	0	112	0.2	10	106	55	<0.25	0.7	2	<0.5	<0.05	<2	<0.25	32	<2		<2
Dec-12	146	142	0.2	42	0	112	0.2	10	103	53	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	23	<2		<2
Avg	147	133	0.2	43	0	112	0.2	10	102	60	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	26	<2	19	<2
Min	136	119	0.2	39	0	99	0.2	9	92	50	<0.25	0.7	1	<0.5	<0.05	<2	<0.25	21	<2	15	<2
Max	161	145	0.4	48	0	131	0.3	11	108	71	<0.25	1.1	4	<0.5	<0.05	<2	<0.25	32	<2	25	3

*Free Cyanide is analyzed using ASTM-D7237 for analysis of aquatic free cyanide in accordance with R8-2009-0021

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

RP-5 (M-003) Effluent Monthly Inorganic Data

Table No. 8c

Date	Total Hardness	HCO ₃ ²⁻	B	Ca	CO ₃ ²⁻	Cl	F	Mg	Na	SO ₄	Cd, TR	Cr, Total	Cu, TR	Pb, TR	Hg, TR	Se, TR	Ag, TR	Zn, TR	Bis(2-ethylhexyl) phthalate	Bromodi-chloromethane	CN, Free*
Limits	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-12	186	146	0.3	56	0	142	0.2	11	100	57	<0.25	1.0	5	<0.5	<0.05	<2	<0.25	41	<2	11	<2
Feb-12	190	148	0.2	56	0	127	0.2	12	91	56	<0.25	0.9	5	<0.5	<0.05	<2	<0.25	35	<2	14	<2
Mar-12	193	129	0.3	55	0	150	0.2	14	94	65	<0.25	1.2	8	<0.5	<0.05	<2	<0.25	39	<2	18	<2
Apr-12	198	139	0.3	58	0	148	0.2	13	97	67	<0.25	0.8	7	<0.5	<0.05	<2	<0.25	36	<2	15	<2
May-12	212	149	0.3	62	0	138	0.2	14	103	65	<0.25	0.9	6	<0.5	<0.05	<2	<0.25	32	<2	16	<2
Jun-12	193	144	0.3	56	0	135	0.2	13	105	66	<0.25	1.0	6	<0.5	<0.05	<2	<0.25	33	<2	21	<2
Jul-12	197	136	0.3	58	0	137	0.2	13	110	69	<0.25	1.2	6	<0.5	<0.05	<2	<0.25	38	<2	23	<2
Aug-12	184	131	0.3	54	0	131	0.1	12	100	60	<0.25	1.0	6	<0.5	<0.05	<2	<0.25	44	<2	36	<2
Sep-12	188	137	0.3	53	0	133	0.1	13	106	50	<0.25	0.9	7	<0.5	<0.05	<2	<0.25	46	<2	40	<2
Oct-12	190	140	0.3	54	0	140	0.2	14	105	53	<0.25	0.9	7	<0.5	<0.05	<2	<0.25	46	<2	36	<2
Nov-12	187	140	0.2	54	0	137	<0.1	13	101	50	<0.25	1.0	10	<0.5	<0.05	<2	<0.25	54	<2	32	<2
Dec-12	183	141	0.2	54	0	135	0.2	12	92	48	<0.25	1.0	8	<0.5	<0.05	<2	<0.25	51	<2	36	<2
Avg	192	140	0.3	56	0	138	0.2	13	100	59	<0.25	1.0	7	<0.5	<0.05	<2	<0.25	41	<2	25	<2
Min	183	129	0.2	53	0	127	0.1	11	91	48	<0.25	0.8	5	<0.5	<0.05	<2	<0.25	32	<2	11	<2
Max	212	149	0.3	62	0	150	0.2	14	110	69	<0.25	1.2	10	<0.5	<0.05	<2	<0.25	54	<2	40	<2

CCWRF (M-004) Effluent Monthly Inorganic Data

Table No. 8d

Date	Total Hardness	HCO ₃ ²⁻	B	Ca	CO ₃ ²⁻	Cl	F	Mg	Na	SO ₄	Cd, TR	Cr, Total	Cu, TR	Pb, TR	Hg, TR	Se, TR	Ag, TR	Zn, TR	Bis(2-ethylhexyl) phthalate	Bromodi-chloromethane	CN, Free*
Limits	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-12	180	152	0.2	54	0	115	0.2	11	90	65	<0.25	1.3	9	<0.5	<0.05	<2	<0.25	68	<2	20	<2
Feb-12	183	149	0.2	54	0	128	0.3	12	97	62	<0.25	1.0	7	<0.5	<0.05	<2	<0.25	55	<2		<2
Mar-12	168	130	0.3	45	0	154	0.1	13	104	67	<0.25	1.1	7	<0.5	<0.05	<2	<0.25	36	<2		<2
Apr-12	183	143	0.3	53	0	150	0.2	12	101	66	<0.25	0.8	6	<0.5	<0.05	<2	<0.25	41	2	17	<2
May-12	189	143	0.3	54	0	144	0.2	13	109	70	<0.25	1.0	4	<0.5	<0.05	<2	<0.25	40	<2		<2
Jun-12	176	136	0.3	50	0	139	0.4	12	108	67	<0.25	1.0	7	<0.5	<0.05	<2	<0.25	45	<2		<2
Jul-12	166	133	0.3	47	0	127	0.2	12	107	69	<0.25	1.1	6	<0.5	<0.05	<2	<0.25	41	<2	31	<2
Aug-12	166	117	0.3	47	0	133	0.2	12	114	73	<0.25	1.0	6	<0.5	<0.05	<2	<0.25	35	<2		<2
Sep-12	159	124	0.3	45	0	139	0.2	12	114	62	<0.25	1.0	7	<0.5	<0.05	<2	<0.25	39	<2		3
Oct-12	167	127	0.3	46	0	149	0.2	13	117	60	<0.25	0.9	6	<0.5	<0.05	<2	<0.25	37	<2	45	<2
Nov-12	164	137	0.2	45	0	153	0.2	13	111	56	<0.25	0.8	6	<0.5	<0.05	<2	<0.25	38	<2		<2
Dec-12	176	137	0.2	50	0	144	0.1	12	104	51	<0.25	1.0	5	<0.5	<0.05	<2	<0.25	44	<2		<2
Avg	173	136	0.3	49	0	140	0.2	12	106	64	<0.25	1.0	6	<0.5	<0.05	<2	<0.25	43	<2	28	<2
Min	159	117	0.2	45	0	115	0.1	11	90	51	<0.25	0.8	4	<0.5	<0.05	<2	<0.25	35	<2	17	<2
Max	189	152	0.3	54	0	154	0.4	13	117	73	<0.25	1.3	9	<0.5	<0.05	<2	<0.25	68	2	45	3

*Free Cyanide is analyzed using ASTM-D7237 for analysis of aquatic free cyanide in accordance with R8-2009-0021

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

RP-1 (M-001B) Effluent Quarterly Data

Table No. 9a

RP-1/RP-4 (M-002A) Effluent Quarterly Data

Table No. 9b

	Al, TR	Sb, TR	As, TR	Ba, TR	Co, TR	Ni, TR
Date	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-12	29	<1	<2	12	<1	3
Feb-12	35	<1	<2	11	<1	2
Mar-12	25	<1	<2	12	<1	2
Apr-12	<25	<1	<2	14	<1	2
May-12	25	<1	<2	13	<1	3
Jun-12	33	<1	<2	12	<1	3
Jul-12	30	<1	<2	10	<1	3
Aug-12	27	<1	<2	15	<1	2
Sep-12	28	<1	<2	14	<1	2
Oct-12	33	<1	<2	14	<1	2
Nov-12	34	<1	<2	14	<1	3
Dec-12	31	<1	<2	14	<1	3
Avg	30	<1	<2	13	<1	3
Min	<25	<1	<2	10	<1	2
Max	35	<1	<2	15	<1	3

	Al, TR	Sb, TR	As, TR	Ba, TR	Co, TR	Ni, TR
Date	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-12	31	<1	<2	12	<1	3
Feb-12	30	<1	<2	11	<1	2
Mar-12	<25	<1	<2	11	<1	2
Apr-12	<25	<1	<2	14	<1	2
May-12	<25	<1	<2	11	<1	3
Jun-12	31	<1	<2	11	<1	3
Jul-12	30	<1	<2	11	<1	3
Aug-12	26	<1	<2	15	<1	2
Sep-12	28	<1	<2	14	<1	3
Oct-12	34	<1	<2	15	<1	3
Nov-12	34	<1	<2	13	<1	3
Dec-12	30	<1	<2	13	<1	3
Avg	29	<1	<2	13	<1	3
Min	<25	<1	<2	11	<1	2
Max	34	<1	<2	15	<1	3

RP-5 (M-003) Effluent Quarterly Data

Table No. 9c

CCWRF (M-004) Effluent Quarterly Data

Table No. 9d

	Al, TR	Sb, TR	As, TR	Ba, TR	Co, TR	Ni, TR
Date	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-12	<25	<1	<2	19	<1	3
Feb-12	<25	<1	<2	17	<1	3
Mar-12	<25	<1	<2	23	<1	2
Apr-12	<25	<1	<2	25	<1	3
May-12	27	<1	<2	22	<1	3
Jun-12	<25	<1	<2	29	<1	2
Jul-12	<25	<1	<2	31	<1	3
Aug-12	<25	<1	<2	31	<1	2
Sep-12	<25	<1	<2	21	<1	3
Oct-12	<25	<1	<2	28	<1	3
Nov-12	39	<1	<2	33	<1	3
Dec-12	29	<1	<2	30	<1	3
Avg	<27	<1	<2	26	<1	3
Min	<25	<1	<2	17	<1	2
Max	39	<1	<2	33	<1	3

	Al, TR	Sb, TR	As, TR	Ba, TR	Co, TR	Ni, TR
Date	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-12	61	<1	<2	23	<1	3
Feb-12	53	<1	<2	20	<1	3
Mar-12	53	<1	<2	14	<1	2
Apr-12	63	<1	<2	16	<1	3
May-12	52	<1	<2	15	<1	3
Jun-12	84	<1	<2	14	<1	2
Jul-12	63	<1	<2	17	<1	2
Aug-12	49	1.0	<2	10	<1	4
Sep-12	36	1.2	<2	12	<1	3
Oct-12	47	1.1	<2	12	<1	7
Nov-12	30	1.0	<2	12	<1	3
Dec-12	44	<1	<2	15	<1	3
Avg	53	<1	<2	15	<1	3
Min	30	<1	<2	10	<1	2
Max	84	1	<2	23	<1	7

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

Table No. 10

Mo-Yr	Discharged Eff Flow			TIN						Agency-wide TIN				
	RP1/RP4	RP5	CC	RP1/RP4		RP5		CC		Discharge		Limit		12-MRA
	MGD			mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	flow wt.	total	flow wt.	total	flow-wt.
										mg/L	lbs/day	mg/L	lbs/day	mg/L
Jan-12	14.8	10.3	6.9	7.0	870	6.5	560	4.9	280	6.4	1,710	8	5,338	5.8
Feb-12	14.8	10.8	6.6	7.2	890	6.9	620	5.2	290	6.7	1,800	8	5,338	5.8
Mar-12	19.1	10.5	5.5	6.4	1,020	7.8	680	5.5	250	6.7	1,950	8	5,338	5.8
Apr-12	15.3	10.7	5.3	8.3	1,060	7.5	670	4.2	190	7.4	1,920	8	5,338	5.9
May-12	8.7	5.7	3.6	7.0	510	7.1	330	3.9	120	6.4	960	8	5,338	5.9
Jun-12	7.0	0.2	3.4	6.5	380	6.2	10	4.1	120	5.8	510	8	5,338	5.9
Jul-12	6.8	0.8	2.6	5.7	320	6.4	40	4.4	100	5.4	460	8	5,338	6.0
Aug-12	7.7	0.4	1.6	4.9	320	6.1	20	3.9	50	4.8	390	8	5,338	6.1
Sep-12	11.3	1.1	1.5	5.0	470	6.9	60	4.5	60	5.1	590	8	5,338	6.0
Oct-12	11.2	4.8	5.0	4.5	410	5.9	230	4.8	200	4.9	840	8	5,338	6.0
Nov-12	11.1	9.1	5.2	5.8	540	6.9	520	5.1	220	6.1	1,280	8	5,338	6.0
Dec-12	24.7	9.7	7.0	5.3	1,090	7.3	590	6.3	370	6.0	2,050	8	5,338	6.0
Avg	12.7	6.2	4.5	6.1	660	6.8	360	4.7	190	6.0	1,210	8	5,338	5.9
Min	6.8	0.2	1.5	4.5	320	5.9	10	3.9	50	4.8	390	8	5,338	5.8
Max	24.7	10.8	7.0	8.3	1,090	7.8	680	6.3	370	7.4	2,050	8	5,338	6.1

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

Agency-wide TDS 12-Month Running Averages

Table No. 11

Mo-Yr	Flows								Total Dissolved Solids (TDS)								Agency-wide TDS					
	RP-1		RP-4		RP-5		CC		RP-1		RP-4		RP-5		CC		Discharge		Limit		12-MRA	
	001 ¹	RW	002	RW	RP-5	RW	CC	RW	001	RW ²	002	RW	RP-5	RW ²	CC	RW ²	flow wt.	total	flow wt.	total	flow wt.	
	MGD								mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	lbs/day	lbs/day	mg/L	lbs/day	mg/L
Jan-12	2.5	9.4	12.3	8.2	10.3	0.0	6.9	0.8	456	441	457	407	517	NA	503	492	465	220,000	550	366,960	459	
Feb-12	1.4	10.0	13.4	8.3	10.8	0.0	6.6	0.7	466	455	472	416	524	532	509	496	476	227,300	550	366,960	461	
Mar-12	1.7	8.6	17.4	6.7	10.5	0.0	5.5	0.7	488	475	493	435	546	514	526	513	497	232,600	550	366,960	463	
Apr-12	2.7	10.2	12.6	6.5	10.7	0.0	5.3	1.4	485	479	498	430	539	NA	518	510	496	220,640	550	366,960	466	
May-12	2.6	16.4	6.0	8.6	5.7	3.1	3.6	3.4	503	480	499	451	542	519	524	514	493	204,120	550	366,960	469	
Jun-12	2.2	18.9	4.8	8.7	0.2	7.4	3.4	3.5	527	466	494	442	546	515	545	498	482	197,350	550	366,960	470	
Jul-12	1.5	18.3	5.3	8.6	0.8	7.6	2.6	3.8	514	464	487	422	556	514	530	512	477	188,080	550	366,960	472	
Aug-12	2.3	18.4	5.4	8.3	0.4	8.8	1.6	4.3	503	442	469	433	553	498	511	491	463	180,110	550	366,960	473	
Sep-12	2.0	14.7	9.3	8.5	1.1	7.2	1.5	4.9	532	455	472	425	532	510	522	493	472	179,450	550	366,960	474	
Oct-12	2.1	14.8	9.1	8.1	4.8	3.5	5.0	1.8	525	466	481	451	528	513	529	514	486	212,360	550	366,960	476	
Nov-12	2.9	16.3	8.3	7.0	9.1	0.0	5.2	1.5	502	469	482	444	513	512	531	514	485	218,910	550	366,960	479	
Dec-12	4.4	5.3	20.3	4.5	9.7	0.0	7.0	0.0	487	475	485	447	511	NA	531	517	492	240,910	550	366,960	482	
Avg	2.3	13.4	10.4	7.7	6.2	3.2	4.5	2.2	499	464	482	433	534	514	523	505	482	210,150	550	366,960	470	
Min	1.4	5.3	4.8	4.5	0.2	0.0	1.5	0.0	456	441	457	407	511	498	503	491	463	179,450	550	366,960	459	
Max	4.4	18.9	20.3	8.7	10.8	8.8	7.0	4.9	532	480	499	451	556	532	545	517	497	240,910	550	366,960	482	

NOTES: ¹ Prior to April 2010, 001 effluent flow included recycled water flow.

² Flow and TDS added to flow-weight for RP-1, RP-5, and CCWRF recycled water (May 2010)

NA: Not Analyzed, due to no discharge

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

RP-1 (M-001B) Effluent Remaining Priority Pollutants

Table 18a

RP-1 (M-001B) Effluent Remaining Priority Pollutant Metals, µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
Beryllium (Be)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium (Tl)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

RP-1 (M-001B) Effluent Volatile Organics (EPA Methods 624, 601/602), µg/L

1,1,1-Trichloroethane	<1			<1									<1
1,1,2,2-Tetrachloroethane	<0.5			<0.5									<0.5
1,1,2-Trichloroethane	<1			<1									<1
1,1-Dichloroethane	<0.5			<0.5									<0.5
1,1-Dichloroethene	<1			<1									<1
1,2-Dichlorobenzene	<1			<1									<1
1,2-Dichloroethane	<1			<1									<1
1,2-Dichloropropane	<0.5			<0.5									<0.5
1,3-Dichlorobenzene	<1			<1									<1
1,4-Dichlorobenzene	<1			<1									<1
2-Chloroethyl vinyl ether	<1			<1									<1
Benzene	<1			<1									<1
Bromodichloromethane	24			18									24
Bromoform	<1			<1									<1
Bromomethane	<1			<1									<1
Carbon tetrachloride	<1			<1									<1
Chlorobenzene	<1			<1									<1
Chloroethane	<1			<1									<1
Chloroform	122			57									122
Chloromethane	<1			<1									<1
cis-1,3-Dichloropropene	<1			<1									<1
Dibromochloromethane	3			3									3
Ethylbenzene	<1			<1									<1
Methylene chloride	<1			<1									<1
Tetrachloroethene	<1			<1									<1
Toluene	<1			<1									<1
trans-1,2-Dichloroethene	<0.5			<0.5									<0.5
trans-1,3-Dichloropropene	<1			<1									<1
Trichloroethene	<1			<1									<1
Trichlorofluoromethane	<2			<2									<2
Vinyl chloride	<1			<1									<1
Acrolein	<2												<2
Acrylonitrile	<2												<2

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

RP-1 (M-001B) Effluent Remaining Priority Pollutants

Table 18b

RP-1 (M-001B) Effluent Base/Neutral and Acid Extractibles (EPA Method 625), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
1,2,4-Trichlorobenzene	<1			<1									<1
1,2-Dichlorobenzene	<1			<1									<1
1,3-Dichlorobenzene	<1			<1									<1
1,4-Dichlorobenzene	<1			<1									<1
2,4,6-Trichlorophenol	<1			<1									<1
2,4-Dichlorophenol	<2			<2									<2
2,4-Dimethylphenol	<1			<1									<1
2,4-Dinitrophenol	<3			<3									<3
2,4-Dinitrotoluene	<1			<1									<1
2,6-Dinitrotoluene	<2			<2									<2
2-Chloronaphthalene	<1			<1									<1
2-Chlorophenol	<1			<1									<1
2-Methyl-4,6-dinitrophenol	<2			<2									<2
2-Nitrophenol	<1			<1									<1
3,3-Dichlorobenzidine	<5			<5									<5
4-Bromophenyl phenyl ether	<1			<1									<1
4-Chloro-3-methylphenol	<1			<1									<1
4-Chlorophenyl phenyl ether	<1			<1									<1
4-Nitrophenol	<3			<3									<3
Acenaphthene	<1			<1									<1
Acenaphthylene	<1			<1									<1
Anthracene	<1			<1									<1
Azobenzene	<1			<1									<1
Benzidine	<5			<5									<5
Benzo(a)anthracene	<5			<5									<5
Benzo(a)pyrene	<1			<1									<1
Benzo(b)fluoranthene	<1			<1									<1
Benzo(g,h,i)perylene	<2			<2									<2
Benzo(k)fluoranthene	<1			<1									<1
Bis(2-chloroethoxy)methane	<2			<2									<2
Bis(2-chloroethyl)ether	<1			<1									<1
Bis(2-chloroisopropyl)ether	<1			<1									<1
Bis(2-ethylhexyl)phthalate	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl benzyl phthalate	<1			<1									<1
Chrysene	<1			<1									<1
Dibenzo(a,h)anthracene	<1			<1									<1
Diethyl phthalate	<2			<2									<2
Dimethyl phthalate	<1			<1									<1
Di-n-butyl phthalate	<1			<1									<1
Di-n-octyl phthalate	<1			<1									<1
Fluoranthene	<1			<1									<1
Fluorene	<1			<1									<1
Hexachlorobenzene	<1			<1									<1
Hexachlorobutadiene	<1			<1									<1
Hexachlorocyclopentadiene	<5			<5									<5
Hexachloroethane	<1			<1									<1
Indeno(1,2,3-cd)pyrene	<2			<2									<2
Isophorone	<1			<1									<1
Naphthalene	<1			<1									<1
Nitrobenzene	<1			<1									<1
N-Nitrosodimethylamine	<1			<1									<1
N-Nitroso-di-n-propylamine	<1			<1									<1
N-Nitrosodiphenylamine	<1			<1									<1
Pentachlorophenol	<2			<2									<2
Phenanthrene	<1			<1									<1
Phenol	<1			<1									<1
Pyrene	<1			<1									<1

INLAND EMPIRE UTILITIES AGENCY
Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report
RP-1 (M-001B) Effluent Remaining Priority Pollutants

Table 18c

RP-1 (M-001B) Effluent Pesticides (EPA Method 608), µg/L													Annual Max.
Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
4,4-DDD	<0.006												<0.006
4,4-DDE	<0.006												<0.006
4,4-DDT	<0.008												<0.008
Aldrin	<0.004												<0.004
Alpha-BHC	<0.008												<0.008
Beta-BHC	<0.005												<0.005
Delta-BHC	<0.007												<0.007
Dieldrin	<0.006												<0.006
Endosulfan I	<0.01												<0.01
Endosulfan II	<0.007												<0.007
Endosulfan Sulfate	<0.009												<0.009
Endrin	<0.009												<0.009
Endrin aldehyde	<0.006												<0.006
Gamma-BHC	<0.01												<0.01
Heptachlor	<0.006												<0.006
Heptachlor epoxide	<0.007												<0.007
Chlordane	<0.1												<0.1
PCB-1016	<0.5												<0.5
PCB-1221	<0.5												<0.5
PCB-1232	<0.5												<0.5
PCB-1242	<0.5												<0.5
PCB-1248	<0.5												<0.5
PCB-1254	<0.5												<0.5
PCB-1260	<0.5												<0.5
Toxaphene	<0.5												<0.5
RP-1 (M-001B) Effluent Semiannual Dioxins & Furans, pg/L (reported values based on detection limit)													
2,3,7,8-TetraCDD	<9.8												<9.8
1,2,3,7,8-PentaCDD	<49												<49.0
1,2,3,4,7,8-HexaCDD	<49												<49.0
1,2,3,6,7,8-HexaCDD	<49												<49.0
1,2,3,7,8,9-HexaCDD	<49												<49.0
1,2,3,4,6,7,8-HeptaCDD	<49												<49.0
OctaCDD	<98												<98.0
2,3,7,8-TetraCDF	<9.8												<9.8
1,2,3,7,8-PentaCDF	<49												<49.0
2,3,4,7,8-PentaCDF	<49												<49.0
1,2,3,4,7,8-HexaCDF	<49												<49.0
1,2,3,6,7,8-HexaCDF	<49												<49.0
1,2,3,7,8,9-HexaCDF	<49												<49.0
2,3,4,6,7,8-HexaCDF	<49												<49.0
1,2,3,4,6,7,8-HeptaCDF	<49												<49.0
1,2,3,4,7,8,9-HeptaCDF	<49												<49.0
OctaCDF	<98												<98.0
Tot. 2,3,7,8-TCDD Equivalence	0.00												0.00

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report
 RP-1/RP-4 (M-002A) Effluent Remaining Priority Pollutants

Table 19a

RP-1/RP-4 (M-002A) Effluent Remaining Priority Pollutant Metals, µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
Beryllium (Be)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium (Tl)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

RP-1/RP-4 (M-002A) Effluent Volatile Organics (EPA Methods 624, 601/602), µg/L

1,1,1-Trichloroethane	<1			<1									<1
1,1,2,2-Tetrachloroethane	<0.5			<0.5									<0.5
1,1,2-Trichloroethane	<1			<1									<1
1,1-Dichloroethane	<0.5			<0.5									<0.5
1,1-Dichloroethene	<1			<1									<1
1,2-Dichlorobenzene	<1			<1									<1
1,2-Dichloroethane	<1			<1									<1
1,2-Dichloropropane	<0.5			<0.5									<0.5
1,3-Dichlorobenzene	<1			<1									<1
1,4-Dichlorobenzene	<1			<1									<1
2-Chloroethyl vinyl ether	<1			<1									<1
Benzene	<1			<1									<1
Bromodichloromethane	15			17									17
Bromoform	<1			<1									<1
Bromomethane	<1			<1									<1
Carbon tetrachloride	<1			<1									<1
Chlorobenzene	<1			<1									<1
Chloroethane	<1			<1									<1
Chloroform	80			68									80
Chloromethane	<1			<1									<1
cis-1,3-Dichloropropene	<1			<1									<1
Dibromochloromethane	2			3									3
Ethylbenzene	<1			<1									<1
Methylene chloride	<1			<1									<1
Tetrachloroethene	<1			<1									<1
Toluene	<1			<1									<1
trans-1,2-Dichloroethene	<0.5			<0.5									<0.5
trans-1,3-Dichloropropene	<1			<1									<1
Trichloroethene	<1			<1									<1
Trichlorofluoromethane	<2			<2									<2
Vinyl chloride	<1			<1									<1
Acrolein	<2												<2
Acrylonitrile	<2												<2

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report
 RP-1/RP-4 (M-002A) Effluent Remaining Priority Pollutants

Table 19b

RP-1/RP-4 (M-002A) Effluent Base/Neutral and Acid Extractibles (EPA Method 625), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
1,2,4-Trichlorobenzene	<1			<1									<1
1,2-Dichlorobenzene	<1			<1									<1
1,3-Dichlorobenzene	<1			<1									<1
1,4-Dichlorobenzene	<1			<1									<1
2,4,6-Trichlorophenol	<1			<1									<1
2,4-Dichlorophenol	<2			<2									<2
2,4-Dimethylphenol	<1			<1									<1
2,4-Dinitrophenol	<3			<3									<3
2,4-Dinitrotoluene	<1			<1									<1
2,6-Dinitrotoluene	<2			<2									<2
2-Chloronaphthalene	<1			<1									<1
2-Chlorophenol	<1			<1									<1
2-Methyl-4,6-dinitrophenol	<2			<2									<2
2-Nitrophenol	<1			<1									<1
3,3-Dichlorobenzidine	<5			<5									<5
4-Bromophenyl phenyl ether	<1			<1									<1
4-Chloro-3-methylphenol	<1			<1									<1
4-Chlorophenyl phenyl ether	<1			<1									<1
4-Nitrophenol	<3			<3									<3
Acenaphthene	<1			<1									<1
Acenaphthylene	<1			<1									<1
Anthracene	<1			<1									<1
Azobenzene	<1			<1									<1
Benzidine	<5			<5									<5
Benzo(a)anthracene	<5			<5									<5
Benzo(a)pyrene	<1			<1									<1
Benzo(b)fluoranthene	<1			<1									<1
Benzo(g,h,i)perylene	<2			<2									<2
Benzo(k)fluoranthene	<1			<1									<1
Bis(2-chloroethoxy)methane	<2			<2									<2
Bis(2-chloroethyl)ether	<1			<1									<1
Bis(2-chloroisopropyl)ether	<1			<1									<1
Bis(2-ethylhexyl)phthalate	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl benzyl phthalate	<1			<1									<1
Chrysene	<1			<1									<1
Dibenzo(a,h)anthracene	<1			<1									<1
Diethyl phthalate	<2			<2									<2
Dimethyl phthalate	<1			<1									<1
Di-n-butyl phthalate	<1			<1									<1
Di-n-octyl phthalate	<1			<1									<1
Fluoranthene	<1			<1									<1
Fluorene	<1			<1									<1
Hexachlorobenzene	<1			<1									<1
Hexachlorobutadiene	<1			<1									<1
Hexachlorocyclopentadiene	<5			<5									<5
Hexachloroethane	<1			<1									<1
Indeno(1,2,3-cd)pyrene	<2			<2									<2
Isophorone	<1			<1									<1
Naphthalene	<1			<1									<1
Nitrobenzene	<1			<1									<1
N-Nitrosodimethylamine	<1			<1									<1
N-Nitroso-di-n-propylamine	<1			<1									<1
N-Nitrosodiphenylamine	<1			<1									<1
Pentachlorophenol	<2			<2									<2
Phenanthrene	<1			<1									<1
Phenol	<1			<1									<1
Pyrene	<1			<1									<1

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report
 RP-1/RP-4 (M-002A) Effluent Remaining Priority Pollutants

Table 19c

RP-1/RP-4 (M-002A) Effluent Pesticides (EPA Method 608), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
4,4-DDD	<0.006												<0.006
4,4-DDE	<0.006												<0.006
4,4-DDT	<0.008												<0.008
Aldrin	<0.004												<0.004
Alpha-BHC	<0.008												<0.008
Beta-BHC	<0.005												<0.005
Delta-BHC	<0.007												<0.007
Dieldrin	<0.006												<0.006
Endosulfan I	<0.01												<0.01
Endosulfan II	<0.007												<0.007
Endosulfan Sulfate	<0.009												<0.009
Endrin	<0.009												<0.009
Endrin aldehyde	<0.006												<0.006
Gamma-BHC	<0.01												<0.01
Heptachlor	<0.006												<0.006
Heptachlor epoxide	<0.007												<0.007
Chlordane	<0.1												<0.1
PCB-1016	<0.5												<0.5
PCB-1221	<0.5												<0.5
PCB-1232	<0.5												<0.5
PCB-1242	<0.5												<0.5
PCB-1248	<0.5												<0.5
PCB-1254	<0.5												<0.5
PCB-1260	<0.5												<0.5
Toxaphene	<0.5												<0.5

RP-1/RP-4 (M-002A) Effluent Semiannual Dioxins & Furans, pg/L (reported values based on detection limit)

2,3,7,8-TetraCDD	<9.43												<9.43
1,2,3,7,8-PentaCDD	<47.2												<47.2
1,2,3,4,7,8-HexaCDD	<47.2												<47.2
1,2,3,6,7,8-HexaCDD	<47.2												<47.2
1,2,3,7,8,9-HexaCDD	<47.2												<47.2
1,2,3,4,6,7,8-HeptaCDD	<47.2												<47.2
OctaCDD	<94.3												<94.3
2,3,7,8-TetraCDF	<9.43												<9.43
1,2,3,7,8-PentaCDF	<47.2												<47.2
2,3,4,7,8-PentaCDF	<47.2												<47.2
1,2,3,4,7,8-HexaCDF	<47.2												<47.2
1,2,3,6,7,8-HexaCDF	<47.2												<47.2
1,2,3,7,8,9-HexaCDF	<47.2												<47.2
2,3,4,6,7,8-HexaCDF	<47.2												<47.2
1,2,3,4,6,7,8-HeptaCDF	<47.2												<47.2
1,2,3,4,7,8,9-HeptaCDF	<47.2												<47.2
OctaCDF	<94.3												<94.3
Tot. 2,3,7,8-TCDD Equivalence	0.00												0.00

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report
 RP-5 (M-003) Effluent Remaining Priority Pollutants

Table 20a

RP-5 (M-003) Effluent Remaining Priority Pollutant Metals, µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
Beryllium (Be)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium (Tl)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

RP-5 (M-003) Effluent Volatile Organics (EPA Methods 624, 601/602), µg/L

1,1,1-Trichloroethane	<1	<1		<1									<1
1,1,2,2-Tetrachloroethane	<0.5	<0.5		<0.5									<0.5
1,1,2-Trichloroethane	<1	<1		<1									<1
1,1-Dichloroethane	<0.5	<0.5		<0.5									<0.5
1,1-Dichloroethene	<1	<1		<1									<1
1,2-Dichlorobenzene	<1	<1		<1									<1
1,2-Dichloroethane	<1	<1		<1									<1
1,2-Dichloropropane	<0.5	<0.5		<0.5									<0.5
1,3-Dichlorobenzene	<1	<1		<1									<1
1,4-Dichlorobenzene	<1	<1		<1									<1
2-Chloroethyl vinyl ether	<1	<1		<1									<1
Benzene	<1	<1		<1									<1
Bromodichloromethane	11	14		15									15
Bromoform	<1	<1		<1									<1
Bromomethane	<1	<1		<1									<1
Carbon tetrachloride	<1	<1		<1									<1
Chlorobenzene	<1	<1		<1									<1
Chloroethane	<1	<1		<1									<1
Chloroform	42	51		54									54
Chloromethane	<1	<1		<1									<1
cis-1,3-Dichloropropene	<1	<1		<1									<1
Dibromochloromethane	2	3		3									3
Ethylbenzene	<1	<1		<1									<1
Methylene chloride	<1	<1		<1									<1
Tetrachloroethene	<1	<1		<1									<1
Toluene	<1	<1		<1									<1
trans-1,2-Dichloroethene	<0.5	<0.5		<0.5									<0.5
trans-1,3-Dichloropropene	<1	<1		<1									<1
Trichloroethene	<1	<1		<1									<1
Trichlorofluoromethane	<2	<2		<2									<2
Vinyl chloride	<1	<1		<1									<1
Acrolein	<2												<2
Acrylonitrile	<2												<2

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report
 RP-5 (M-003) Effluent Remaining Priority Pollutants

Table 20b

RP-5 (M-003) Effluent Base/Neutral and Acid Extractibles (EPA Method 625), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
1,2,4-Trichlorobenzene	<1			<1									<1
1,2-Dichlorobenzene	<1			<1									<1
1,3-Dichlorobenzene	<1			<1									<1
1,4-Dichlorobenzene	<1			<1									<1
2,4,6-Trichlorophenol	<1			<1									<1
2,4-Dichlorophenol	<2			<2									<2
2,4-Dimethylphenol	<1			<1									<1
2,4-Dinitrophenol	<3			<3									<3
2,4-Dinitrotoluene	<1			<1									<1
2,6-Dinitrotoluene	<2			<2									<2
2-Chloronaphthalene	<1			<1									<1
2-Chlorophenol	<1			<1									<1
2-Methyl-4,6-dinitrophenol	<2			<2									<2
2-Nitrophenol	<1			<1									<1
3,3-Dichlorobenzidine	<5			<5									<5
4-Bromophenyl phenyl ether	<1			<1									<1
4-Chloro-3-methylphenol	<1			<1									<1
4-Chlorophenyl phenyl ether	<1			<1									<1
4-Nitrophenol	<3			<3									<3
Acenaphthene	<1			<1									<1
Acenaphthylene	<1			<1									<1
Anthracene	<1			<1									<1
Azobenzene	<1			<1									<1
Benzidine	<5			<5									<5
Benzo(a)anthracene	<5			<5									<5
Benzo(a)pyrene	<1			<1									<1
Benzo(b)fluoranthene	<1			<1									<1
Benzo(g,h,i)perylene	<2			<2									<2
Benzo(k)fluoranthene	<1			<1									<1
Bis(2-chloroethoxy)methane	<2			<2									<2
Bis(2-chloroethyl)ether	<1			<1									<1
Bis(2-chloroisopropyl)ether	<1			<1									<1
Bis(2-ethylhexyl)phthalate	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl benzyl phthalate	<1			<1									<1
Chrysene	<1			<1									<1
Dibenzo(a,h)anthracene	<1			<1									<1
Diethyl phthalate	<2			<2									<2
Dimethyl phthalate	<1			<1									<1
Di-n-butyl phthalate	<1			<1									<1
Di-n-octyl phthalate	<1			<1									<1
Fluoranthene	<1			<1									<1
Fluorene	<1			<1									<1
Hexachlorobenzene	<1			<1									<1
Hexachlorobutadiene	<1			<1									<1
Hexachlorocyclopentadiene	<5			<5									<5
Hexachloroethane	<1			<1									<1
Indeno(1,2,3-cd)pyrene	<2			<2									<2
Isophorone	<1			<1									<1
Naphthalene	<1			<1									<1
Nitrobenzene	<1			<1									<1
N-Nitrosodimethylamine	<1			<1									<1
N-Nitroso-di-n-propylamine	<1			<1									<1
N-Nitrosodiphenylamine	<1			<1									<1
Pentachlorophenol	<2			<2									<2
Phenanthrene	<1			<1									<1
Phenol	<1			<1									<1
Pyrene	<1			<1									<1

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report
 RP-5 (M-003) Effluent Remaining Priority Pollutants

Table 20c

RP-5 (M-003) Effluent Pesticides (EPA Method 608), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
4,4-DDD	<2												<2.000
4,4-DDE	<0.006												<0.006
4,4-DDT	<0.008												<0.008
Aldrin	<0.004												<0.004
Alpha-BHC	<0.008												<0.008
Beta-BHC	<0.005												<0.005
Delta-BHC	<0.007												<0.007
Dieldrin	<0.006												<0.006
Endosulfan I	<0.01												<0.01
Endosulfan II	<0.007												<0.007
Endosulfan Sulfate	<0.009												<0.009
Endrin	<0.009												<0.009
Endrin aldehyde	<0.006												<0.006
Gamma-BHC	<0.01												<0.01
Heptachlor	<0.006												<0.006
Heptachlor epoxide	<0.007												<0.007
Chlordane	<0.1												<0.1
PCB-1016	<0.5												<0.5
PCB-1221	<0.5												<0.5
PCB-1232	<0.5												<0.5
PCB-1242	<0.5												<0.5
PCB-1248	<0.5												<0.5
PCB-1254	<0.5												<0.5
PCB-1260	<0.5												<0.5
Toxaphene	<0.5												<0.5

RP-5 (M-003) Effluent Semiannual Dioxins & Furans, pg/L (reported values based on detection limit)

2,3,7,8-TetraCDD	<9.62									<5			<9.6
1,2,3,7,8-PentaCDD	<48.1									<25			<48.1
1,2,3,4,7,8-HexaCDD	<48.1									<25			<48.1
1,2,3,6,7,8-HexaCDD	<48.1									<25			<48.1
1,2,3,7,8,9-HexaCDD	<48.1									<25			<48.1
1,2,3,4,6,7,8-HeptaCDD	<48.1									<25			<48.1
OctaCDD	<96.2									<50			<96.2
2,3,7,8-TetraCDF	<9.62									<5			<9.6
1,2,3,7,8-PentaCDF	<48.1									<25			<48.1
2,3,4,7,8-PentaCDF	<48.1									<25			<48.1
1,2,3,4,7,8-HexaCDF	<48.1									<25			<48.1
1,2,3,6,7,8-HexaCDF	<48.1									<25			<48.1
1,2,3,7,8,9-HexaCDF	<48.1									<25			<48.1
2,3,4,6,7,8-HexaCDF	<48.1									<25			<48.1
1,2,3,4,6,7,8-HeptaCDF	<48.1									<25			<48.1
1,2,3,4,7,8,9-HeptaCDF	<48.1									<25			<48.1
OctaCDF	<96.2									<50			<96.2
Tot. 2,3,7,8-TCDD Equivalence	0.00									0.00			0.00

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report
 CCWRF (M-004) Effluent Remaining Priority Pollutants

Table 21a

CCWRF (M-004) Effluent Remaining Priority Pollutant Metals, µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
Beryllium (Be)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium (Tl)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

CCWRF (M-004) Effluent Volatile Organics (EPA Methods 624, 601/602), µg/L

1,1,1-Trichloroethane	<1			<1									<1
1,1,2,2-Tetrachloroethane	<0.5			<0.5									<0.5
1,1,2-Trichloroethane	<1			<1									<1
1,1-Dichloroethane	<0.5			<0.5									<0.5
1,1-Dichloroethene	<1			<1									<1
1,2-Dichlorobenzene	<1			<1									<1
1,2-Dichloroethane	<1			<1									<1
1,2-Dichloropropane	<0.5			<0.5									<0.5
1,3-Dichlorobenzene	<1			<1									<1
1,4-Dichlorobenzene	<1			<1									<1
2-Chloroethyl vinyl ether	<1			<1									<1
Benzene	<1			<1									<1
Bromodichloromethane	20			17									20
Bromoform	<1			<1									<1
Bromomethane	<1			<1									<1
Carbon tetrachloride	<1			<1									<1
Chlorobenzene	<1			<1									<1
Chloroethane	<1			<1									<1
Chloroform	56			50									56
Chloromethane	<1			<1									<1
cis-1,3-Dichloropropene	<1			<1									<1
Dibromochloromethane	5			4									5
Ethylbenzene	<1			<1									<1
Methylene chloride	<1			<1									<1
Tetrachloroethene	<1			<1									<1
Toluene	<1			<1									<1
trans-1,2-Dichloroethene	<0.5			<0.5									<0.5
trans-1,3-Dichloropropene	<1			<1									<1
Trichloroethene	<1			<1									<1
Trichlorofluoromethane	<2			<2									<2
Vinyl chloride	<1			<1									<1
Acrolein	<2												<2
Acrylonitrile	<2												<2

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report
CCWRF (M-004) Effluent Remaining Priority Pollutants

Table 21b

CCWRF (M-004) Effluent Base/Neutral and Acid Extractibles (EPA Method 625), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
1,2,4-Trichlorobenzene	<1			<1									<1
1,2-Dichlorobenzene	<1			<1									<1
1,3-Dichlorobenzene	<1			<1									<1
1,4-Dichlorobenzene	<1			<1									<1
2,4,6-Trichlorophenol	<1			<1									<1
2,4-Dichlorophenol	<2			<2									<2
2,4-Dimethylphenol	<1			<1									<1
2,4-Dinitrophenol	<3			<3									<3
2,4-Dinitrotoluene	<1			<1									<1
2,6-Dinitrotoluene	<2			<2									<2
2-Chloronaphthalene	<1			<1									<1
2-Chlorophenol	<1			<1									<1
2-Methyl-4,6-dinitrophenol	<2			<2									<2
2-Nitrophenol	<1			<1									<1
3,3-Dichlorobenzidine	<5			<5									<5
4-Bromophenyl phenyl ether	<1			<1									<1
4-Chloro-3-methylphenol	<1			<1									<1
4-Chlorophenyl phenyl ether	<1			<1									<1
4-Nitrophenol	<3			<3									<3
Acenaphthene	<1			<1									<1
Acenaphthylene	<1			<1									<1
Anthracene	<1			<1									<1
Azobenzene	<1			<1									<1
Benzidine	<5			<5									<5
Benzo(a)anthracene	<5			<5									<5
Benzo(a)pyrene	<1			<1									<1
Benzo(b)fluoranthene	<1			<1									<1
Benzo(g,h,i)perylene	<2			<2									<2
Benzo(k)fluoranthene	<1			<1									<1
Bis(2-chloroethoxy)methane	<2			<2									<2
Bis(2-chloroethyl)ether	<1			<1									<1
Bis(2-chloroisopropyl)ether	<1			<1									<1
Bis(2-ethylhexyl)phthalate	<2	<2	<2	2	<2	<2	<2	<2	<2	<2	<2	<2	2
Butyl benzyl phthalate	<1			<1									<1
Chrysene	<1			<1									<1
Dibenzo(a,h)anthracene	<1			<1									<1
Diethyl phthalate	<2			<2									<2
Dimethyl phthalate	<1			<1									<1
Di-n-butyl phthalate	<1			<1									<1
Di-n-octyl phthalate	<1			<1									<1
Fluoranthene	<1			<1									<1
Fluorene	<1			<1									<1
Hexachlorobenzene	<1			<1									<1
Hexachlorobutadiene	<1			<1									<1
Hexachlorocyclopentadiene	<5			<5									<5
Hexachloroethane	<1			<1									<1
Indeno(1,2,3-cd)pyrene	<2			<2									<2
Isophorone	<1			<1									<1
Naphthalene	<1			<1									<1
Nitrobenzene	<1			<1									<1
N-Nitrosodimethylamine	<1			<1									<1
N-Nitroso-di-n-propylamine	<1			<1									<1
N-Nitrosodiphenylamine	<1			<1									<1
Pentachlorophenol	<2			<2									<2
Phenanthrene	<1			<1									<1
Phenol	<1			<1									<1
Pyrene	<1			<1									<1

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report
 CCWRF (M-004) Effluent Remaining Priority Pollutants

Table 21c

CCWRF (M-004) Effluent Pesticides (EPA Method 608), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
4,4-DDD	<0.006												<0.006
4,4-DDE	<0.006												<0.006
4,4-DDT	<0.008												<0.008
Aldrin	<0.004												<0.004
Alpha-BHC	<0.008												<0.008
Beta-BHC	<0.005												<0.005
Delta-BHC	<0.007												<0.007
Dieldrin	<0.006												<0.006
Endosulfan I	<0.01												<0.01
Endosulfan II	<0.007												<0.007
Endosulfan Sulfate	<0.009												<0.009
Endrin	<0.009												<0.009
Endrin aldehyde	<0.006												<0.006
Gamma-BHC	<0.01												<0.01
Heptachlor	<0.006												<0.006
Heptachlor epoxide	<0.007												<0.007
Chlordane	<0.1												<0.1
PCB-1016	<0.5												<0.5
PCB-1221	<0.5												<0.5
PCB-1232	<0.5												<0.5
PCB-1242	<0.5												<0.5
PCB-1248	<0.5												<0.5
PCB-1254	<0.5												<0.5
PCB-1260	<0.5												<0.5
Toxaphene	<0.5												<0.5

CCWRF (M-004) Effluent Semiannual Dioxins & Furans, pg/L (reported values based on detection limit)

2,3,7,8-TetraCDD	<9.8									<5			<9.8
1,2,3,7,8-PentaCDD	<49									<25			<49
1,2,3,4,7,8-HexaCDD	<49									<25			<49
1,2,3,6,7,8-HexaCDD	<49									<25			<49
1,2,3,7,8,9-HexaCDD	<49									<25			<49
1,2,3,4,6,7,8-HeptaCDD	<49									<25			<49
OctaCDD	<98									<50			<98
2,3,7,8-TetraCDF	<9.8									<5			<9.8
1,2,3,7,8-PentaCDF	<49									<25			<49
2,3,4,7,8-PentaCDF	<49									<25			<49
1,2,3,4,7,8-HexaCDF	<49									<25			<49
1,2,3,6,7,8-HexaCDF	<49									<25			<49
1,2,3,7,8,9-HexaCDF	<49									<25			<49
2,3,4,6,7,8-HexaCDF	<49									<25			<49
1,2,3,4,6,7,8-HeptaCDF	<49									<25			<49
1,2,3,4,7,8,9-HeptaCDF	<49									<25			<49
OctaCDF	<98									<50			<98
Tot. 2,3,7,8-TCDD Equivalence	0.00									0.00			0.00

APPENDIX C

Recycled Water Users and Demands

APPENDIX C
Recycled Water Users and Demands

City of Chino			
Customer	Site Address	Type	Total AF
C W FARMS IV	REMINGTON/WALKER NORTH #SPR	Agricultural	590
Cal Poly Pomona	Kimball Ave/Magnolia Channel#RC	Agricultural	797
Cal Poly Pomona	14515 Central Ave #A SPR/R	Agricultural	315
Cleveland Farm	HYDRANT METER	Agricultural	37
Cleveland Farm	HYDRANT METER	Agricultural	80
Cleveland Farm	HYDRANT METER	Agricultural	128
Cleveland Farm	7550 BICKMORE AVE #SPR-RC	Agricultural	88
CLEVELAND FARM #1	Bickmore East of Euclid#SPR-RC	Agricultural	274
CW Farms	S Pine/W of W Preserve Loop #RC	Agricultural	900
CW Farms II	Pine Ave W/of Grove #RC	Agricultural	121
CW Farms III	Remington/Walker Ave. #RC	Agricultural	680
DR Horton	HYDRANT METER	Agricultural	0
HERMAN WEISSKER INC	HYDRANT METER	Agricultural	14
La Brucherie Farms	Kimball & Rincon Meadows #RC	Agricultural	408
MESA CONTRACTING CORP	SOUTH/E OF COLLEGE BLDG #RC	Agricultural	10
Nyenhius Dairy	8711 Remington Ave #AGR	Agricultural	838
ORANGE COUNTY WATER DISTRICT	HYDRANT METER 1	Agricultural	1
Richardson, Don	Kimball & Rincon Meadows #RC	Agricultural	82
Standard Pacific	0 HYD MTR 04074614	Agricultural	1
Superior Sod #4	8900 Bickmore Ave.	Agricultural	2
WESTSTEYN DAIRY	8300 PINE AVE	Agricultural	859
Chino Agricultural Usage (AF)			6,226
PARKCREST CONSTRUCTION INC	7105 KIMBALL AVE	Construction	4
PARKCREST CONSTRUCTION INC	15709 EUCLID AVE	Construction	3
PARKCREST CONSTRUCTION INC	EUCLID AVE/KIMBALL AVE	Construction	31
Portrait Construction, Inc.	Portrait Construction, Inc.	Construction	2
STICE COMPANY INC	Pine/Euclid NW Corner	Construction	12
SUKUT CONSTRUCTION INC	8600 Chino Corona Rd.	Construction	0
DOWNING CONSTRUCTION INC	Mountain/Bickmore	Construction	0
GMC ENGINEERING INC	HYDRANT METER	Construction	0
Oltmans Construction	15970 MOUNTAIN AVE	Construction	0
STICE COMPANY INC	Pine/Euclid NW Corner	Construction	9
Chino Construction Usage (AF)			62
Calif Cogeneration	5605 COLLEGE PARK AVE #RC	Industrial	96
Superior Sod	PINE & HELLMAN #SPR-RC	Industrial	270
Superior Sod	CHINO CORONA RD #SPR-RC	Industrial	180
Superior Sod	CHINO CORONA RD	Industrial	167
Superior Sod #4	8545 PINE AVE - RC	Industrial	196
FIRST INDUSTRIAL	6185 KIMBALL AVE	Industrial	3
SUPERIOR SOD AIRPORT #1	KIMBALL AVE/WALKER AVE	Industrial	56
Chino Industrial Usage (AF)			968
AGAVE NEIGHBORHOOD ASSOCIATION	8100 W PRESERVE LOOP #SPR-RC	Landscape	11
All Coast Forest Products	13880 Monte Vista Ave #RC	Landscape	7
American Power Conversion	14875 Monte Vista Ave #SPR-RC	Landscape	7
American Power Conversion	14725 Monte Vista Ave #SPR-RC	Landscape	9
BOBERG ENGINEERING	HYDRANT METER	Landscape	9
Cal Poly Pomona	4575 Eucalyptus Ave #SPR-RC	Landscape	1
Cal Trans	Chino Hills Pkwy/71 #SPR-RC	Landscape	12
California Custom Shapes	5051 Edison Ave	Landscape	1
Central Business Owners Assoc	13931-13965 Central Ave	Landscape	5
Central Park Industrial PTNRS	14760 Central Ave	Landscape	5
City of Chino (Continued)			
Customer	Site Address	Type	Total AF
Central Park Industrial PTNRS	14602-14698 Central Ave	Landscape	8
Central Park Industrial PTNRS	14091 Twelfth St.	Landscape	3
Central Park Industrial PTNRS	14508 Central Ave	Landscape	7
Chaffey College	5897 College Park Ave #SPR-RC	Landscape	5
CHAFFEY COLLEGE	5890 COLLEGE PARK AVE	Landscape	6

APPENDIX C
Recycled Water Users and Demands

Chandler Real Properties	15342 El Prado Rd #SPR-RC	Landscape	4
Chino Development Corporation	Wetlands Project	Landscape	57
Chino Development Corporation	PRESERVE/RINCON MW HYD-R	Landscape	7
Chino Hills Ford	4480 Chino Hills Pkwy #SPR-RC	Landscape	10
Chino Industrial Commons	5505 Daniels St. #SPR-RC	Landscape	4
Chino Industrial Commons-Owners	5625 Daniels St. #SPR-RC	Landscape	5
CITRUS COMMONS	PARKSIDE/WEST PRES #SPR RC	Landscape	8
City of Chino	Edison Ave Bike Trail	Landscape	20
City of Chino	5604 COLLEGE PARK AVE #SPR-RC	Landscape	330
City of Chino Ayala Park	5301 Edison Ave	Landscape	53
CITY OF CHINO AYALA PARK	5301 Edison Ave	Landscape	56
COLLEGE PARK COMMUNITES	6524 WHEATON #SPR-RC	Landscape	4
COLLEGE PARK COMMUNITES	6572 WHEATON	Landscape	4
College Park Community Assoc	Eucalyptus/San Antonio #SPR	Landscape	16
College Park Community Assoc	San Antonio A/Standford #SPR-RC	Landscape	5
College Park Community Assoc	Eucalyptus/Fern #SPR-RC	Landscape	7
College Park Community Assoc	6975 EDINBORO ST #SPR-RC	Landscape	1
College Park Community Assoc	6623 CLEMSON ST #SPR-RC	Landscape	8
College Park Community Assoc	EUCALYPTUS	Landscape	4
College Park Community Assoc	EUCALYPTUS #SPR-RC	Landscape	11
College Park Community Assoc	6555 EUCALYPTUS	Landscape	5
College Park Community Assoc 1	Clemson/Tuskegee So #SPR-RC	Landscape	5
College Park Community Assoc 2	Clemson/Tuskegee No #SPR-RC	Landscape	8
Collins Company	5470 Daniels St.	Landscape	2
Colonial Electric	14981 Telephone Ave	Landscape	1
CP BUSINESS PARK PARTNERS LP	CENTRAL/CHINO HILLS PK SPR-RC	Landscape	10
CT Storage-Chino LLC	13855 Central Ave #SPR-RC	Landscape	8
DBRS Medical System	13820 Benson Ave	Landscape	1
Dept. of Corrections State	14515 Central Ave #B SPR/R	Landscape	10
DO + ABLE Product	5150 Edison Ave	Landscape	6
DR Horton	Purdue/Eucalyptus Ave HYD-R	Landscape	0
DR Horton	14569 Purdue	Landscape	4
DSC Logistics	5116 Chino Hills Parkway	Landscape	11
DSC Logistics	5026 CHINO HILLS PARKWAY	Landscape	2
DSC Logistics	5026 CHINO HILLS PARKWAY #SPR-RC	Landscape	1
El Prado Rd Business Owners	15278 EL PRADO RD	Landscape	6
EQUIPMENT WHOLESALERS	Daniels Ave #SPR-RC	Landscape	1
EVERBLOOM ENTERPRISE LLC	13975 CENTRAL AVE	Landscape	5
Evergreen at The Preserve	15731 Earhart Ct #SPR-RC	Landscape	9
Evergreen at the Preserve (222671-2)	8200 Garden gate ct #SPR-RC	Landscape	1
Excel INC	14701 Yorba CT	Landscape	5
Farrand Enterprises	14375 Monte Vista Ave #SPR-RC	Landscape	2
Funding Resources	13960 Benson Ave	Landscape	3
FUSION 5 CONDO ASSOCIATION	15804 MCINTOSH AVE	Landscape	3
Garrett Concrete	14923 Telephone Ave	Landscape	1
Garrett Concrete	14920 Telephone Ave	Landscape	1
City of Chino (Continued)			
Customer	Site Address	Type	Total AF
GILBERT WEST	16133 S FERN AVE	Landscape	13
Godinho Equipment	SAN ANTONIO/EUCALYPTUS #HYD RC	Landscape	0
Gro-Power Inc	15065 Telephone Ave	Landscape	2
H PLACENICIA NURSERY	8005 PINE AVENUE	Landscape	30
HILL PHOENIX INC	14680 MONTE VISTA AVE	Landscape	7
HYUNDAI-KIA AMERICA	14011 TWELFTH ST #SPR-RC	Landscape	2
INSTITUFORM TECHNOLOGIES INC	HYDRANT METER	Landscape	4
Jasmine Willows HOA	Begonia & Holland Park #SPR	Landscape	2
K-8 SCHOOL (PRESERVE)	8150 GARDEN PARK SCHOOL #SPR	Landscape	20
KB Homes	7988 PINE AVE	Landscape	14
KB Homes	HYDRANT METER	Landscape	2
KB Homes	BICKMORE/HUNTINGTON GARDEN	Landscape	3

APPENDIX C
Recycled Water Users and Demands

Kinfine USA Inc	13824 YORBA AVE	Landscape	5
LENNAR HOMES OF CA	6287 EUCALYPTUS AVE	Landscape	16
LENNAR HOMES OF CA	6069 EUCALYPTUS AVE	Landscape	14
LENNAR HOMES OF CA	5981 EUCALYPTUS AVE	Landscape	13
LENNAR HOMES OF CA	6088 SATTERFIELD	Landscape	4
LENNAR HOMES OF CA	6291 SATTERFIELD	Landscape	7
LENNAR HOMES OF CA	6019 Appalachian	Landscape	8
LENNAR HOMES OF CA	LENNAR HOMES OF CALIFORNIA	Landscape	1
LENNAR HOMES OF CA	HYDRANT METER	Landscape	0
LENNAR HOMES OF CA	HYDRANT METER	Landscape	9
LENNAR HOMES OF CA	14123 OAKS AVE	Landscape	19
LENNAR HOMES OF CA	14124 OAKS AVE	Landscape	12
LENNAR HOMES OF CA	14197 OAKS AVE	Landscape	0
Lewis Operating Corp	Main St/Kimball Ave, Hydrant Meter	Landscape	23
Lewis Operating Corp	16100 Rincon Meadows	Landscape	14
LW INCOME PROPERTIES	5051 EDISON AVE #SPR-RC	Landscape	0
Majestic Management	14510-70 Monte Vista Ave #SPR	Landscape	9
MEF Realty LLC	5220-5228 Edison Ave #SPR-RC	Landscape	2
MONTE VISTA #3	14720 MONTE VISTA AVE #SPR-RC	Landscape	7
MONTE VISTA #3	14880 MONTE VISTA AVE #SPR-RC	Landscape	4
National Distribution Center	16045 MOUNTAIN AVE	Landscape	18
National Distribution Center	16045 MOUNTAIN AVE #SPR-RC	Landscape	26
NEXGRILL INDUSTRIES INC	5270 EDISON AVE	Landscape	3
NORCO INJECTION MOLDING	14286 Monte Vista	Landscape	3
NORCO INJECTION MOLDING	5500 DANIELS AVE #SPR-RC	Landscape	1
NORCO INJECTION MOLDING	14325 MONTE VISTA AVE	Landscape	7
OMNIA ITALIAN DESIGN	4950 Edison Ave #SPR-RC	Landscape	8
Panattoni Construction	4565 Eucalyptus Ave #SPR-RC	Landscape	6
Panattoni Construction	14559 Ramona Ave #MED-RC	Landscape	2
Panattoni Construction	14607 Ramona Ave #SPR-RC	Landscape	5
Panattoni Construction	14609 Ramona Ave #SPR-RC	Landscape	5
Panattoni Construction	4685 EUCALYPTUS AVE #SPR-RC	Landscape	3
Preserve Maintenance Corp	8273 KIMBALL AVE #SPR-RC	Landscape	4
Preserve Maintenance Corp	15702 Meadow Valley #SPR-RC	Landscape	4
Preserve Maintenance Corp	15703 Meadow Valley #SPR-RC	Landscape	2
Preserve Maintenance Corp	8595 Forest Park #SPR-RC	Landscape	3
Preserve Maintenance Corp	8381 Kimball Ave #SPR-RC	Landscape	5
Preserve Maintenance Corp	7703 Kimball Ave #SPR-RC	Landscape	7
Preserve Maintenance Corp	15990 Nature Trail #SPR-RC	Landscape	14
City of Chino (Continued)			
Customer	Site Address	Type	Total AF
Preserve Master Community	15779 Starfighter Ave #SPR-R	Landscape	2
Preserve Master Corp	7920 Bickmore Ave #SPR-RC	Landscape	6
Preserve Master Corp	8704 Bridle Path ST #A #SPR	Landscape	18
PRESERVE MASTER MAINTENANCE	7973 KIMBALL AVE #SPR-RC	Landscape	5
PRESERVE MASTER MAINTENANCE	8456 E PRESERVE LOOP #SPR-RC	Landscape	8
PRESERVE MASTER MAINTENANCE	8344 FOREST PARK ST #SPR-RC	Landscape	5
PRESERVE MASTER MAINTENANCE	8473 FOREST PARK ST #SPR-RC	Landscape	3
PRESERVE MASTER MAINTENANCE	8100 W PRESERVE LOOP #SPR-RC	Landscape	8
PRESERVE MASTER MAINTENANCE	8179 KIMBALL AVE #SPR-RC	Landscape	2
PRESERVE MASTER MAINTENANCE	15750 MILL CREEK #SPR-RC	Landscape	4
PRESERVE MASTER MAINTENANCE	7714 BICKMORE AVE SPR-RC	Landscape	11
PRESERVE MASTER MAINTENANCE	8151 WEST PRESERVE LOOP-PARK	Landscape	27
PRESERVE MASTER MAINTENANCE	16343 MEADOWHOUSE AVE #SPR-RC	Landscape	6
PRESERVE MASTER MAINTENANCE	8383 KIMBALL AVE #SPR-RC	Landscape	2
PRESERVE MASTER MAINTENANCE	7585 BICKMORE AVE #SPR-RC	Landscape	1
PRESERVE MASTER MAINTENANCE	15591 RETREAT #SPR-RC	Landscape	5
Quetico Schaefer Properties	5610 Daniels St.#SPR/RC	Landscape	5
Redbuilt LLC	5088 EDISON AVE #SPR-RC	Landscape	1
Redwood Business Center	13851-97 Redwood Ave#SPR-RC	Landscape	4

APPENDIX C
Recycled Water Users and Demands

Repet Inc	14207 MONTE VISTA AVE	Landscape	22
RYLAND HOMES OF CA	HYDRANT METER	Landscape	0
SADDLE CREEK CORPORATION	5026 CHINO HILLS PARKWAY	Landscape	4
San Bdno County Fairgrounds	5410 Edison Ave #SPR-RC	Landscape	12
San Bdno County Fairgrounds	5410 Edison Ave, HYD-RC	Landscape	1
SCOTT ENGINEERING	5051 EDISON AVE #SPR-RC	Landscape	1
SEACOUNTRY HOMES	15777 MC INTOSH AVE	Landscape	10
Service Craft LLC	5116 Chino Hills Parkway	Landscape	0
Shamrock Marketing	5445 Daniels St	Landscape	1
SOUTHERN CALIFORNIA EDISON	14005 BENSON AVE	Landscape	1
Standard Pacific	6632 EUCALYPTUS AVE	Landscape	1
Standard Pacific	15784 Canopy Ave #SPR-RC-Park	Landscape	9
Sundance Spas	14525 Monte Vista Ave #SPR-RC	Landscape	8
Sundance Spas	14675 Monte Vista Ave #SPR-RC	Landscape	5
Tetherwinds Neighborhood	158519 LINDBERGH AVE	Landscape	6
Tetherwinds Neighborhood	15850 Lindbergh Ave #SPR-RC	Landscape	5
Tetherwinds Neighborhood	158519 LINDBERGH AVE	Landscape	4
Tetherwinds Neighborhood	15754 Lindbergh Ave #SPR-RC	Landscape	6
The Campus Owners Corp	14091 TWELFTH ST B-SPR	Landscape	6
The Preserve Master Community	15871 Main Street #SPR-RC	Landscape	10
The Preserve Master Community	EAST HUNTINGTON GARDEN #SPR-RC	Landscape	12
The Preserve Master Community	8122 Garden Park St #SPR-RC	Landscape	7
The Preserve Master Community	15784 CANOPY AVE #SPR-RC PARK	Landscape	2
Trammel Crow So Cal Inc	14651 Yorba Ct SPR-RC	Landscape	6
Trammel Crow So Cal Inc	14575 Yorba Ct	Landscape	3
Trammel Crow So Cal Inc	4775 Eucalyptus Ave	Landscape	4
Trammel Crow So Cal Inc	YORBA/EUCALYPTUS (SW) #SPR-RC	Landscape	1
Trammel Crow So Cal Inc	14525 YORBA AVE #SPR RC	Landscape	3
Valbruna	13930-13950 Benson Ave #SPR-RC	Landscape	2
Viaverde Nursery	MAIN ST/FORREST PARK #SPR-RC	Landscape	40
Viaverde Nursery	15801 E PRESERVE LOOP #SPR-RC	Landscape	12
Viaverde Nursery	15800 E PRESERVE #SPR-RC	Landscape	49
City of Chino (Continued)			
Customer	Site Address	Type	Total AF
VIRAMONTES EXPRESS	8600 CHINO CORONA RD #HYD-RC	Landscape	4
W L Homes	Kimball/Preserve #HYD	Landscape	1
Warehouse Technology	5065 Eucalyptus Ave	Landscape	6
Warehouse Technology	5151 Eucalyptus	Landscape	7
WATSON LAND COMPANY	6911 BICKMORE AVE #SPR-RC	Landscape	13
Woodbury Neighborhood Association	7034 EDINBORO AVE	Landscape	7
Yin, Zihua	13860 Benson Ave. #SPR-RC	Landscape	2
Yorba Industrial Center	13901 Yorba Ave #SPR-RC	Landscape	8
Yorba Industrial Center	14670 YORBA CT	Landscape	7
Yoshimura R&D	5420 Daniels St #SPR-RC	Landscape	3
Yoshimura Racing LLC	5411 Daniels St #SPR-RC	Landscape	0
Yoshimura Racing LLC	5411 Daniels St #HYD/RC	Landscape	0
KB Homes	8090 PINE AVE	Landscape	45
LENNAR HOMES OF CA	6287 SHEFFIELD ST	Landscape	0
LENNAR HOMES OF CA	14687 APPALACHIAN ST	Landscape	1
LENNAR HOMES OF CA	14549 APPALACHIAN ST	Landscape	1
LENNAR HOMES OF CA	HYDRANT METER	Landscape	3
Standard Pacific	6615 EUCALYPTUS AVE	Landscape	1
Chino Landscape Usage (AF)			1,702
Chino Total Usage (AF)			8,957

APPENDIX C
Recycled Water Users and Demands

City of Chino Hills			
Customer	Site Address	Type	Total AF
5771 Pine Ave (5651 Pine Ave, LLC)	5771 Pine Ave	Agricultural	3
City of Chino Hills	15941 Fairfield Ranch Rd	Agricultural	2
City of Chino Hills	16886 Butterfield Ranch Rd	Agricultural	4
Country Club Market Place II	15948 Los Serranos Country Club D	Agricultural	0
Monte Vista Farmer (1)		Agricultural	36
Vellano Golf Course	15100 Fairfield Ranch Rd	Agricultural	26
Vista San Juan/ C.C. Medical Center	15944 Los Seranos C.C. Dr,	Agricultural	1
Chino Hills Agricultural Usage (AF):			72
15870 Soquel Canyon Pkwy	15870 Soquel Canyon Pkwy	Landscape	4
15872 Soquel Canyon Pkwy	15872 Soquel Canyon Pkwy	Landscape	0
15944 Los Serranos Country Club Dr. (4-09 just	15944 Los Serranos Country Club Dr.	Landscape	0
16343 Canyon Rim Dr	16343 Canyon Rim Dr	Landscape	6
16370 Vista Ct	16370 Vista Ct	Landscape	17
3550 Woodview Rd.	3550 Woodview Rd.	Landscape	3
4670 Soquel Cyn Pkwy	4670 Soquel Cyn Pkwy	Landscape	4
6085 Butterfield ranch road	6085 Butterfield Ranch Road	Landscape	13
6087 Butterfield ranch road	6087 Butterfield Ranch Road	Landscape	11
7-Eleven (15450 Fairfield Ranch Rd)	15450 Fairfield Ranch Rd	Landscape	3
Albertsons	4999 Soquel Canyon Parkway	Landscape	9
ARCO	15380 Fairfield Ranch Rd	Landscape	0
Artisan	16594 Slate east (3190159)	Landscape	22
Artisan	16302 Butterfield Ranch Rd	Landscape	7
Artisan	16308 Butterfield Ranch Rd (14551-1)	Landscape	6
Artisan	16675 C State Dr	Landscape	4
Big League Dreams	16333 Fairfield Ranch Rd	Landscape	43
BRR HOA	16780 Quail Country Ave	Landscape	14
BRR HOA	16804 Butterfield Ranch Rd	Landscape	9
BRR HOA	16572 Butterfield Ranch Rd	Landscape	13
C.U.S.D.	5130 Riverside Dr, Chino, CA 91710	Landscape	37
C.U.S.D.	5130 Riverside Dr	Landscape	5
CalTrans	East of Mesa Oak Ave	Landscape	10
CalTrans	1 Monte Vista Ave	Landscape	7
Centex	High View at Opal (3177799)	Landscape	0
Centex	x from 5008 Glen View (3181307)	Landscape	0
Centex	4937 Glen View (3187716)	Landscape	9
Centex	16857 Verbana (3160264)	Landscape	0
Centex	16857 Verbana east	Landscape	23
Centex	5044 Glen View (3212515)	Landscape	0
Centex	5139 Glen View (3212754)	Landscape	8
Centex	Highview & Glenview (3452614)	Landscape	24
Centex	16679 High View	Landscape	0
Centex	High View /buckwheat (3453402)	Landscape	5
Centex	High View west (3453563)	Landscape	5
Chapparral Elem. School (4342912)	4849 E Bird Farm Rd (Chaparral School)	Landscape	16
Chino Hills Business Park	15360 E Fairfield Ranch Rd (3384301)	Landscape	5
Chino Hills Business Park	15330 A Fairfield Ranch Rd	Landscape	5
Chino Hills Business Park	15315 E Fairfield Ranch Rd	Landscape	7
Chino Hills Business Park	15325 E Fairfield Ranch Rd	Landscape	6
Chino Hills Car Wash	15969 Los Serranos Country Club Dr	Landscape	0
Chino Hills Storage	15315 Los Serranos Road	Landscape	1
Chino Valley Fire	5551 Butterfield Ranch Rd	Landscape	2
City of Chino Hills (Continued)			
Customer	Site Address	Type	Total AF
City of Chino Hills	5005 Soquel Canyon Pkwy	Landscape	2
City of Chino Hills	15695 Fairfield Ranch Rd (Danbury Park)	Landscape	12
City of Chino Hills	15697 Fairfield Ranch Rd (Danbury Park)	Landscape	11
City of Chino Hills	5331 Picasso Dr	Landscape	1
City of Chino Hills	4639 Chino Hills Pkwy	Landscape	2

APPENDIX C
Recycled Water Users and Demands

City of Chino Hills	4792 Sapphire Rd	Landscape	5
City of Chino Hills	16343 Fairfield Ranch Rd	Landscape	22
City of Chino Hills	5901 Butterfield Ranch Rd	Landscape	2
City of Chino Hills	17350 Butterfield Ranch Rd	Landscape	11
City of Chino Hills	1 Pine Ave	Landscape	2
City of Chino Hills	City of Chino Hills	Landscape	8
City of Chino Hills	Elinver Dr	Landscape	7
City of Chino Hills	0 Butterfield Ranch C Rd	Landscape	12
City of Chino Hills	16200 Slate Dr.	Landscape	13
City of Chino Hills	0 Butterfield Ranch D Rd	Landscape	12
City of Chino Hills	16980 Butterfield Ranch Rd	Landscape	7
City of Chino Hills	16186 Butterfield Ranch Rd	Landscape	9
City of Chino Hills	6060 Natalie Rd (Hunter Hill Park)	Landscape	16
City of Chino Hills	16464 Butterfield Ranch Rd	Landscape	7
City of Chino Hills	1 Hunters Hill Dr	Landscape	4
Country Club Villa	15447 B Pomona Rincon Rd	Landscape	1
Dennys	Fairfield Ranch Rd & Central Ave	Landscape	4
EGM Management	4641 Chino Hills Pkwy	Landscape	12
EGM Management	4635 Chino Hills Pkwy	Landscape	14
EGM Management	4631 Chino Hills Pkwy	Landscape	14
Fairfield Ranch HOA	15966 Fairfield Ranch Rd (West @ Victoria Fa	Landscape	10
Fieldstone	4022 Soquel Canyon Rd. (Fieldstone)	Landscape	2
Fieldstone	16343 Canyon Rim Dr	Landscape	0
Higgins Ranch Community	3 Heritage Dr	Landscape	4
Higgins Ranch Community	1 Heritage Dr.	Landscape	8
Higgins Ranch Community	2 Heritage Dr	Landscape	4
Higgins Ranch Community	16110 Butterfield Ranch Rd	Landscape	0
Hyoung Corp	15380 Fairfield Ranch Rd	Landscape	2
Lexington	4915 Torrey Pines Dr. (Lexington HOA)	Landscape	1
Los Serranos Golf Course	Pinehurst Tract 14427	Landscape	187
Los Serranos Golf Course	15656 Yorba Ave	Landscape	157
Los Serranos Ranch Comm. Assoc.	4249 Soquel Cyn Pkwy	Landscape	12
New Vellano		Landscape	10
New Vellano		Landscape	5
New Vellano		Landscape	2
New Vellano		Landscape	441
New Vellano		Landscape	2
Pine Corp Center (4274439)	5825 Pine Avenue	Landscape	7
Pine Corp Center (4279489)	5825 Pine Avenue	Landscape	11
Ridgegate HOA		Landscape	12
Ridgegate HOA	16359 Canyon Rim Dr	Landscape	7
Ridgegate HOA	3989 Golden Terrace Ln	Landscape	6
Ridgegate HOA	3987 Golden Terrace Ln	Landscape	13
Ridgegate HOA	16361 Canyon Rim Dr.	Landscape	14
Ridgegate HOA	16341 Canyon Rim Dr.	Landscape	15
Rincon Park	16202 Pinehurst Drive	Landscape	19
City of Chino Hills (Continued)			
Customer	Site Address	Type	Total AF
Rincon Park	16202 Pinehurst Drive	Landscape	0
Standard Pacific	5641 Tipu Tree (4369857)	Landscape	13
Standard Pacific	5381 Tipu Tree (61613321)	Landscape	12
Standard Pacific	5488 Pine (62078505)	Landscape	6
Standard Pacific	5331 Buttonwood (62078507)	Landscape	8
Standard Pacific	5378 Pine (98650539)	Landscape	11
Standard Pacific	16791 Morning Glory (99528055)	Landscape	11
Standard Pacific	5361 Ebony (999001111)	Landscape	10
Standard Pacific	5393 Carob (99900120)	Landscape	15
Sterling Downs Apartments	16011 Butterfield Ranch Rd - (Sterling Downs	Landscape	5
Sterling Downs Apartments	16011 Butterfield Ranch Rd - (Sterling Downs	Landscape	4
Taylor Woodrow	16675 Slate (3185134)	Landscape	6

APPENDIX C
Recycled Water Users and Demands

Taylor Woodrow	5181 Fox Hall (3275266)	Landscape	6
Taylor Woodrow	5221 High View (3533362)	Landscape	2
Vellano	3230 Venezia Terrace	Landscape	12
Vellano	3199 Woodview Rd	Landscape	6
Vellano Homeowner	16525 Palmero Dr	Landscape	2
Vellano Homeowner	2535 Venazia Ter	Landscape	5
Vellano Homeowner	13875 Catena Dr	Landscape	0
Vellano Homeowner	16626 Catena Dr	Landscape	5
Vellano Homeowner	2491 Milano Terr	Landscape	7
Vellano Homeowner	16797 Palermo Dr	Landscape	6
Vellano Homeowner	16327 Aviano Ln	Landscape	0
Vellano Homeowner	3015 Aviano Ct	Landscape	7
Vellano Homeowner	16318 Aviano Ln	Landscape	4
Vellano Homeowner	16685 Palermo Dr	Landscape	5
Vellano Homeowner	2960 Venezia Ter	Landscape	7
Vellano Homeowner	3233 Venezia Ter	Landscape	9
Vellano Homeowner	16311 Aviano Ln	Landscape	8
Vellano Homeowner	2983 Aviano Ct	Landscape	4
Vellano Homeowner	2425 Milano Ter	Landscape	8
Vellano Homeowner	2421 Milano Ter	Landscape	1
Vellano Homeowner	2850 Venezia Ter	Landscape	8
Vellano Homeowner	3066 Venezia Ter	Landscape	8
Vellano Homeowner	16622 Catena Dr	Landscape	1
Vellano Homeowner	16401 Aviano Ln	Landscape	7
Vellano Homeowner	16337 Aviano Ln	Landscape	8
Vellano Homeowner	2753 Woodview Rd	Landscape	4
Vellano Homeowner	2977 Versnate Ter	Landscape	4
Vellano Homeowner	2681 Vellano Club Dr	Landscape	10
Vellano Homeowner	2308 Vellano Club Dr	Landscape	4
Vellano Homeowner	2316 Vellano Club Dr	Landscape	4
Vellano Homeowner	2312 Vellano Club Dr	Landscape	3
Vellano Homeowner	2999 Woodview Rd	Landscape	6
Vellano Homeowner	2975 Woodview Rd	Landscape	4
Vellano Homeowner	2925 Woodview Rd	Landscape	0
Wickman Elem	16250 Pinehurst Ave	Landscape	16
Chino Hills Landscape Usage (AF):			1,817
Chino Hills Total Usage (AF):			1,890

APPENDIX C
Recycled Water Users and Demands

City of Ontario			
Customer	Site Address	Type	Total AF
Bedford Properties	4100 E Jurupa	Agricultural	5
Bedford Properties	1420 S Milliken	Agricultural	2
Bedford Properties	1460 S Milliken	Agricultural	3
Calif Com Cntr Owners (North)	4205 E Airport	Agricultural	9
Calif Com Cntr Owners (North)	4205 E Airport	Agricultural	4
Chaffey High School (Valley View)	7233 E Eucalyptus	Agricultural	254
City of Ontario	2701 E Guasti	Agricultural	11
City of Ontario (Fire Station #6)	2931 E Philadelphia	Agricultural	42
City of Ontario (Fire Station #6)	2931 E Philadelphia	Agricultural	0
Cleveland Farm	14451 Bon View	Agricultural	24
Cleveland Farm	7565 Eucalyptus	Agricultural	10
Cleveland Farm	7565 Eucalyptus	Agricultural	40
Cleveland Farm	15133 Carpenter	Agricultural	305
Cleveland Farm	8061 E Edison	Agricultural	41
Cleveland Farm	7511 E Eucalyptus	Agricultural	129
Cleveland Farm	9155 E Riverside Dr.	Agricultural	101
David Li	9110 E Edison Ave	Agricultural	9
Dial Chemical	600 S Wineville Ave	Agricultural	10
Feed the Children	2551 E Philadelphia	Agricultural	1
Kohls	1051 N Milliken	Agricultural	0
LaBrucherie Farm	9343 E Edison Ave	Agricultural	483
Legend Dairies (Petersma)	7565 Eucalyptus	Agricultural	0
Lewis Farms	9491 E Edison Ave	Agricultural	95
Li Farm (Western Oriental Growers)	9119 E Schaeffer	Agricultural	251
Li Yuan Farms	9110 E Edison Ave	Agricultural	64
Li Yuan Farms	9110 E Edison Ave	Agricultural	136
Murai Farm	9091 E. Edison Ave	Agricultural	210
Murai Farm	9091 E. Edison Ave	Agricultural	318
Nexen Tire America Inc	4305 E Jurupa	Agricultural	3
Ontario Lodging Associates LLC	3663 E Guasti	Agricultural	3
Stein & Roitblat Living Trusts	701 S Dupont	Agricultural	3
Yoog II Farm Inc.	14133 Carpenter Ave	Agricultural	191
Cleveland Farm	7565 Eucalyptus	Agricultural	275
Ontario Agricultural Usage (AF):			3,033
City of Ontario Street Sweepers	1425 S Bon View	Construction	1
Ontario Construction Usage (AF):			1
Cintas	2150 Proforma Ave	Industrial	81
Shelby Office Park (PDEV04-006)	3112 E Inland Empire	Industrial	16
Temple Inland Paper	5100 Jurupa St	Industrial	891
Cintas	2150 S Proforma	Industrial	3
Ontario Industrial Usage (AF):			992
24 Hour Fitness	2580 S Archibald	Landscape	2
Acco America	2830 E Philadelphia	Landscape	2
AEG Ontario Arena	4000 E Ontario Center Pkwy(5277545)	Landscape	14
AEG Ontario Arena	4000 E Ontario Center Pkwy(5279471)	Landscape	12
AEG Ontario Arena	4000 E Ontario Center Pkwy(5284910)	Landscape	12
Akzo Nobel Coatings (Haven B)	2160 S Haven	Landscape	1
Archibald & Philadelph (03177014) 2300 S Archibald	2300 S Archibald	Landscape	0
Archibald & Philadelph (03452888) 2200 S Archibald	2200 S Archibald Ave	Landscape	6
Archibald & Philadelph (03452952) 2320-S Archibald	2320-2330 S Archibald	Landscape	3
Archibald & Philadelph (03624103) 2260 S Archibald	2260 S Archibald Ave	Landscape	6
Archibald & Philadelph (04723822) 2340 S Archibald	2340 S Archibald	Landscape	0
Arrowood Invest	2155 S Excise	Landscape	12
City of Ontario (Continued)			
Customer	Site Address	Type	Total AF
Bedford Properties	4200 E Jurupa	Landscape	4
Bellevue Cemetary	1240 W G Street	Landscape	157
Bootsma Farm	7721 E. Edison Ave	Landscape	94
BP West Coast Products,LLC #5965	4525 E Jurupa St	Landscape	1

APPENDIX C
Recycled Water Users and Demands

Caliber Collision	250 S. Wineville	Landscape	1
Caliber Collision	200 S. Wineville	Landscape	1
California Commerce Center	1 Jurupa N Side	Landscape	14
California Commerce Center	1 Jurupa N Side	Landscape	9
California Commerce Center	1 Jurupa S Side	Landscape	5
California Commerce Center	1 S Rockfeller	Landscape	4
CalTrans	2291 S Archibald Ave	Landscape	13
CalTrans	2448 S Archibald Ave	Landscape	56
Castle Industries	601 S Dupont	Landscape	2
CCC-N	300 S Milliken	Landscape	14
CCC-N	3660 E Airport	Landscape	11
CCC-N	4151 E Jurupa	Landscape	9
CCC-N	1 S Milliken	Landscape	10
CCC-N	1152 S Milliken	Landscape	15
CCC-N	1 S Rockefeller	Landscape	2
CCC-N	4081 E Airport	Landscape	6
CCC-N	1 E Jurupa	Landscape	11
CCC-N	4400 E Jurupa	Landscape	6
CCC-N	880 S Dupont	Landscape	5
CCC-N	1425 S Haven	Landscape	13
CCC-N	1119 S Milliken	Landscape	5
CCC-N	4301 E Airport	Landscape	5
CCC-N	1380 S milliken	Landscape	10
CCC-N	1 S Commerce	Landscape	12
CCC-S	2123 S Proforma Ave	Landscape	6
CCC-S	2030 S Haven	Landscape	3
CCC-S	2021 S Archibald Ave	Landscape	11
CCC-S	2626 E Cedar St	Landscape	11
CCC-S	2764 E Philadelphia	Landscape	7
CCC-S	2190 S Excise	Landscape	18
CCC-S	2924 E Philadelphia	Landscape	4
Centrelake Assn	3261 E Guasti	Landscape	37
Chaffey High School	500 W Fourth	Landscape	37
Chevron Land	840 N Haven	Landscape	20
Chevron Land	3399 E Inland Empire	Landscape	14
Chevron Land	950 N Center	Landscape	14
Chevron Land	1025 N Center	Landscape	4
Chevron Land	4198 E Concours	Landscape	11
Chevron Land	4004 E Fourth	Landscape	11
Chevron Land	4004 E Fourth	Landscape	4
Chevron Land	3500 E Concours	Landscape	9
Chevron Land	950 N Duesenberg	Landscape	3
Chevron Land	980 N Haven	Landscape	7
Chevron Land	904 N Turner	Landscape	4
Cintas	2150 Proforma Ave	Landscape	4
City of Ontario	1495 S Dupont	Landscape	4
City of Ontario	2442 S. Archibald Ave	Landscape	1
City of Ontario	610 N Turner	Landscape	12
City of Ontario	2289 S Archibald Ave	Landscape	0
City of Ontario (Continued)			
Customer	Site Address	Type	Total AF
City of Ontario (4th/Milliken Parkway)	4320 E Fourth	Landscape	6
City of Ontario (Holt/Guasti East)	1 Kline Center/Holt	Landscape	1
City of Ontario (Holt/Guasti West)	2200 E Holt	Landscape	2
City of Ontario (Soccer Complex)	2400 E Philadelphia	Landscape	50
CK Restaurants	4555 E Jurupa Street	Landscape	2
Comstock Homes	2750 E Archibald	Landscape	4
Concours Plaza	3333 E Concours	Landscape	7
Concours Retail	3491 E Concours St	Landscape	3
Corona Elementary School (OMSD)	1040 N Corona Ave	Landscape	17
Corona Elementary School (OMSD)	1040 N Corona Ave	Landscape	3

APPENDIX C
Recycled Water Users and Demands

Customized Distribution	2151 S Proforma	Landscape	21
Del Norte Elementary School	850 N Del Norte Ave	Landscape	44
Dorthy Gibson Continuation School	1800 E Seventh Street	Landscape	30
Doubletree	228 N Vineyard	Landscape	6
Doubletree	228 N Vineyard Ave	Landscape	10
Dura Coat Powder Coating	190 S. Wineville	Landscape	0
EJM Development	101 S Milliken	Landscape	2
Elderberry Elementary School (OMSD)	950 N. Elderberry Ave	Landscape	9
Ely Basin #3	2095 S Vineyard Ave	Landscape	3
Empire Towers	4200 E Concours	Landscape	4
Empire Towers	3800 E Concours	Landscape	2
Empire Towers	3633 E Inland Empire	Landscape	1
Ferrari Corporate Center LLC	4150 E Concours	Landscape	8
Fire Station	2931 Philedalphia	Landscape	1
Flags Importer	1700 S Milliken	Landscape	6
FRUIT GROWERS SUPPLY	225 S WINEVILLE AV	Landscape	34
G & K Services	3465 E Cedar	Landscape	6
Galvin Park	1 Galvin Park	Landscape	18
Galvin Park	1205 E I St	Landscape	14
Galvin Park	1 City - East I St.	Landscape	17
Galvin Park	1205 E I St	Landscape	5
Guasti Park	800 N Archibald	Landscape	38
Guasti Park	800 N Archibald	Landscape	37
Haliburton	2539 E Philadelphia	Landscape	5
Haven Ave LLC	3664 E Guasti	Landscape	4
Hino Motor Manufacturing	209 S Milliken	Landscape	4
HMC Architects	3546 E Concours	Landscape	8
Inland Empire Utilities Agency	1818 E Philadelphia	Landscape	3
IT Performance	800 S. Wineville	Landscape	2
JMS Wineville	170 S Wineville Ave	Landscape	1
Kaiser	2295 S Vineyard Ave	Landscape	43
Khaloghli, Khosro	4295 E Jurupa	Landscape	2
Landmark at Ontario Towne LLC	950 N Duesenberg	Landscape	14
Landmark at Ontario Towne LLC	950 N Duesenberg (Top)	Landscape	8
Lord Baltimore Properties	3990 E Concours	Landscape	6
M. Craitenberger	650 S. Wineville	Landscape	1
Majestic Reality	4060 E Jurupa	Landscape	6
Majestic Reality	4061 E Francis	Landscape	9
Majestic Reality	3790 E Jurupa	Landscape	3
Majestic Reality	3505 E Francis	Landscape	8
Majestic Reality	3550 E Jurupa #A	Landscape	3
Majestic Reality	4061 E Francis	Landscape	6
Majestic Reality	1500 S Dupont	Landscape	4
City of Ontario (Continued)			
Customer	Site Address	Type	Total AF
Majestic Reality	1505 S Haven #5	Landscape	5
Majestic Reality	3690 E Jurupa	Landscape	2
Majestic Reality	3551 E Francis	Landscape	10
Majestic Reality	3551 E Francis	Landscape	7
Mathis Brothers Furniture	4105 E Inland Empire	Landscape	14
Mathis Brothers Furniture	4105 E Inland Empire	Landscape	9
Mercedes Benz of Ontario	3787 E Concours	Landscape	7
Mintra Corp	1690 S Milliken	Landscape	7
Munoz Park	1200 W Fourth	Landscape	46
Niagara Water	2560 E Philadelphia St	Landscape	2
OM Guasti	2855 E Guasti	Landscape	9
Ont Convention Center	2000 E Convention Center	Landscape	18
Ont Indusruial Partn	3601 E Jurupa	Landscape	7
Ontario Airport Center	2855 E Guasti	Landscape	9
Ontario Airport Center	2777 E Guasti	Landscape	3
Ontario Airport Center	2855 E Guasti	Landscape	8

APPENDIX C
Recycled Water Users and Demands

Ontario Center (Founders Garden)	3994 E Concours	Landscape	40
Ontario Collision Center	450 S Wineville	Landscape	2
Ontario Commerce Park	801 S Dupont	Landscape	4
Ontario Commerce Park	801 S Dupont	Landscape	1
Ontario Health Education	3130 E Sedona	Landscape	20
ONTARIO MONTCLAIR	1700 E 7TH ST	Landscape	19
ONTARIO MONTCLAIR	1450 E G ST	Landscape	30
ONTARIO MONTCLAIR	1605 E D ST	Landscape	33
Ontario Motor Speedway Park	915 N. Center Ave	Landscape	16
Panattoni Developement (03453746) 2250 S Archibald	2250 S Archibald	Landscape	1
Panattoni Developement (03453746) 2250 S Archibald	2320-2330 S Archibald Ave	Landscape	1
Panattoni Development (Best Buy)	4190 E Fourth	Landscape	4
Panattoni Development (Best Buy)	4190 E Fourth	Landscape	1
Panattoni Development (MT Airport)	285 S Dupont	Landscape	3
Parks Dept. (Galanis Park)	1280 E D St.	Landscape	7
Parks Dept. (Galvin Park West)	1153 E I St.	Landscape	10
Parks Dept. (Galvin Park West)	1153 E I St.	Landscape	19
Parks Dept. (Haven Parkway)	2045 S Haven	Landscape	1
Parks Dept. (Haven Parkway)	2140 S Haven	Landscape	0
Parks Dept. (Veterans Park)	1257 E D St.	Landscape	15
People Movers	150 S. Wineville	Landscape	1
Piemonte 5-story	901 N Via Piemonte	Landscape	3
Piemonte Business Park (04306405)	4004 E Fourth	Landscape	1
Piemonte Business Park (04725037)	4004 E Fourth	Landscape	2
Piemonte Business Park (04920427)	4004 E Fourth	Landscape	1
Piemonte Business Park (04930593)	4004 E Fourth	Landscape	1
Piemonte Business Park (04934728)	4004 E Fourth	Landscape	5
Pier 1 Imports	3000 E Philadelphia	Landscape	10
Pier 1 Imports	3000 E Philadelphia St	Landscape	23
Pier 1 Imports	3000 E Philadelphia	Landscape	2
Poseidon Ontario Airport Plaza	191 N Vineyard	Landscape	3
Prologis California	4091 E Francis	Landscape	10
Prologis California	3510 E Francis	Landscape	6
Prologis California	3550 E Francis	Landscape	8
Prologis California	4060 E Francis	Landscape	11
Prologis California	3550 E Francis	Landscape	8
Prologis California	3510 E Francis	Landscape	3
City of Ontario (Continued)			
Customer	Site Address	Type	Total AF
Prologis California	4060 E Francis	Landscape	7
Roshan LLC (La Galleria at the Mills)	4323 E Mills Cir	Landscape	2
Ruth Group	3536 E Concours Dr.	Landscape	5
Shelby Office Park (PDEV04-006)	3175 E Sedona Ct	Landscape	8
Sierra Insulation	120 S Wineville	Landscape	1
T S Express	3351 E Philadelphia	Landscape	7
Target	4200 E Fourth	Landscape	9
Top & Tech	400 S. Wineville	Landscape	1
Toyota	1425 S Toyota Way(3164331)	Landscape	12
Toyota	1425 S Toyota Way(3212250)	Landscape	13
Toyota	1425 S Toyota Way(3212327)	Landscape	11
Toyota	1425 S Toyota Way (3217175)	Landscape	0
Toyota	1425 S Toyota Way(5491111)	Landscape	15
Toyota	1425 S Toyota Way(3094467)	Landscape	12
Toyota	1425 S Toyota Way	Landscape	10
Utility Board	100 S Wineville	Landscape	1
Vina Danks Junior High	1020 N Vine	Landscape	18
Vineyard Elementary School	1500 E Sixth Street	Landscape	19
Vineyard Park	1400 E 6TH	Landscape	21
Vineyard Plaza	1865 E Fourth St	Landscape	2
Vintage Apts.	955 N Duesenberg	Landscape	5
Vintage Apts.	955 N Duesenberg	Landscape	5

APPENDIX C
Recycled Water Users and Demands

Warmington Residential Comm. (04748546)	2424 E Fourth	Landscape	5
Wella Mfg	950 S Dupont	Landscape	3
Westwind Park	2522 Riverside Drive	Landscape	58
Whispering Lakes Golf Course	2525 Riverside Drive	Landscape	735
10433 4th st	190 S Wineville Ave	Landscape	0
Calif Com Cntr Owners (North)	3660 E Airport	Landscape	4
Chevron Land	3399 E Inland Empire	Landscape	4
Ont/Mont School Dist - Elem School	930 N Elderberry	Landscape	3
Ontario Airport Center	2855 E Guasti	Landscape	5
Parks Dept. (Veterans Park)	1257 E D St.	Landscape	4
Ontario Landscape Usage (AF):			2,868
Ontario Total Usage (AF):			6,894

APPENDIX C
Recycled Water Users and Demands

City of Upland			
Customer	Site Address	Type	Total AF
City of Upland	463 North Euclid Av. Median	Landscape	1
City of Upland	365 South Euclid Av. Median	Landscape	2
City of Upland	81 North Euclid Av. Median	Landscape	0
City of Upland	561 North Euclid Av. Median	Landscape	1
City of Upland	679 North Euclid Av. Median	Landscape	1
City of Upland	891 North Euclid Av. Median	Landscape	2
City of Upland	825 North Euclid Av. Median	Landscape	2
City of Upland	265 South Euclid Av. Median	Landscape	3
City of Upland	169 North Euclid Av. Median	Landscape	2
City of Upland	121 South Euclid Av. Median	Landscape	0
City of Upland	173 South Euclid Av. Median	Landscape	2
City of Upland	415 South Euclid Av. Median	Landscape	1
City of Upland	263 North Euclid Av. Median	Landscape	2
City of Upland	335 North Euclid Av. Median	Landscape	4
City of Upland	743 North Euclid Av. Median	Landscape	2
City of Upland	967 North Euclid Av. Median	Landscape	1
City of Upland / Memorial Park	1150 East Foothill Blvd.	Landscape	35
City of Upland / Memorial Park	1150 East Foothill Blvd.	Landscape	8
City of Upland / Sierra Vista Park	294 East 15th St.	Landscape	1
City of Upland / Sierra Vista Park	294 East 15th St.	Landscape	9
Foothill Knolls Elementary	1245 Veteran Ct. / In Mobile Hm Park	Landscape	5
Mountain View Estates	704 & 706 Sawtooth Dr.	Landscape	5
Sierra Vista Elementary	253 East 14th St.	Landscape	7
Upland Elementary	601 North 5th Av. / On Arrow Hwy	Landscape	1
Upland Elementary	601 North 5th Av. / On 5th Av.	Landscape	2
Upland Elementary	601 North 5th Av. / On ArrowHwy	Landscape	5
Upland Hills Country Club	1231 East 16th Street	Landscape	153
Upland JR H.S.	444 East 11th St. / On 5th Av.	Landscape	6
Western Inn	1209 East Foothill Blvd.	Landscape	1
Upland Landscape Usage (AF):			264
Upland Total Usage (AF):			264

APPENDIX C
Recycled Water Users and Demands

Cucamonga Valley Water District (CVWD)			
Customer	Site Address	Type	Total AF
Shawnee Const	Ontario mills pkwy w/o Etiwanda	Construction	8
CVWD Construction Usage(AF):			8
9373 - 9405 Haven Av Landscape (median)	11359 6th st	Landscape	6
Aloft Hotel	10480 4th Street	Landscape	5
Alta Loma High School	8880 Baseline Rd	Landscape	25
Andy's Palms	12079 Foothill	Landscape	0
ASAP power sports	9029 Rochester Ave	Landscape	2
Bass Pro Shop	7777 Victoria Park	Landscape	26
Bradshaw International, Inc	9409 Buffalo Ave	Landscape	13
Bradshaw International, Inc	9471 Buffalo Ave	Landscape	13
Cabot Industrial Trust	9357 Richmond Pl	Landscape	3
Cabot Industrial Trust	11653 6th St	Landscape	9
Cabot Industrial Trust	9370 Buffalo Ave	Landscape	3
Cal Development LLC	11530 4th St	Landscape	5
Cal Development LLC	11570 4th St	Landscape	5
Cal Development LLC	11540 4th St	Landscape	6
Cal National Bank	8047 Day Creek	Landscape	0
CIP Real Estate	9469-9485 Haven	Landscape	8
City of Fontana	7406 East Ave	Landscape	5
City of Fontana	13470 Baseline	Landscape	10
City of Fontana	13525 Baseline Rd	Landscape	11
City of Rancho Cucamonga	8404 Rochester	Landscape	5
City of Rancho Cucamonga	12500 Church Street	Landscape	2
City of Rancho Cucamonga	12510 Church	Landscape	3
City of Rancho Cucamonga	12690 Church	Landscape	5
City of Rancho Cucamonga	8408 Rochester	Landscape	3
City of Rancho Cucamonga	8408 Rochester	Landscape	5
City of Rancho Cucamonga	11768 Arrow	Landscape	1
City of Rancho Cucamonga	8408 Rochester	Landscape	13
City of Rancho Cucamonga	12910 Candlewood	Landscape	0
City of Rancho Cucamonga	8057 Day Creek	Landscape	1
City of Rancho Cucamonga	7915 Day Creek	Landscape	1
City of Rancho Cucamonga	7481 Arbor	Landscape	11
City of Rancho Cucamonga	12989 Base line rd	Landscape	2
City of Rancho Cucamonga	7491 Arbor	Landscape	14
City of Rancho Cucamonga	7491 Arbor	Landscape	1
City of Rancho Cucamonga	8408 Rochester	Landscape	27
City of Rancho Cucamonga	8408 Rochester	Landscape	28
City of Rancho Cucamonga	10601 6th st	Landscape	1
City of Rancho Cucamonga	10801 6th Street Medians	Landscape	1
City of Rancho Cucamonga	9702 4th st pkwy	Landscape	1
City of Rancho Cucamonga	11310 Milliken & 4th st	Landscape	4
City of Rancho Cucamonga	11359 6th Street Median	Landscape	2
City of Rancho Cucamonga	11907 6th st	Landscape	1
City of Rancho Cucamonga	11067 6th st	Landscape	1
City of Rancho Cucamonga	11469 6th Street	Landscape	0
City of Rancho Cucamonga	13096 Baseline Rd	Landscape	0
City of Rancho Cucamonga	11549 6th Street	Landscape	0
City of Rancho Cucamonga	13200 Brookfield Dr	Landscape	0
City of Rancho Cucamonga	7140 East Ave	Landscape	1
City of Rancho Cucamonga	7091 East Ave	Landscape	1
City of Rancho Cucamonga	8686 Base Line	Landscape	0
City of Rancho Cucamonga	12781 Base line rd	Landscape	1
Cucamonga Valley Water District (CVWD) (Continued)			
Customer	Site Address	Type	Total AF
City of Rancho Cucamonga	8349 Baseline Rd	Landscape	0
City of Rancho Cucamonga	8355 Baseline Rd	Landscape	0
City of Rancho Cucamonga	7265 Forester	Landscape	2
City of Rancho Cucamonga	9479 Haven Ave	Landscape	3

APPENDIX C
Recycled Water Users and Demands

City of Rancho Cucamonga	8686 Base Line	Landscape	1
Comfort - Pedic Mattress USA	9080 Charles Smith Ave	Landscape	2
CPT 6th & Cleveland LLC	9199 Cleveland Building #101	Landscape	3
CPT 6th & Cleveland LLC	9199 Cleveland Building #102	Landscape	11
CVWD Recycled Water Usage (AF)	9111 Cleveland	Landscape	2
Day creek aps	7828 Day Creek	Landscape	19
Day creek aps	7828 Day Creek	Landscape	17
Earth Basics	Ontario mills pkwy west of Etiwanda	Landscape	15
Empire Lakes Golf Course	11015 6th St	Landscape	502
Etiwanda School District	13500 Victoria	Landscape	89
Facility Builders & Erectors	11846 6th Street	Landscape	2
Frito Lay Inc.	9535 Archibald	Landscape	17
Harrys Pacific Grill	8009 Day Creek	Landscape	1
Hilemen Development Co.	9670 Haven Ave	Landscape	15
Market Place Properties	9659 Milliken Ave	Landscape	12
Mission Business Center LLC	9450 Buffalo Ave	Landscape	7
Murfco INC.	11854 6th Street	Landscape	1
O & S Holdings	8252 Daycreek Blvd	Landscape	10
O & S Holdings	8051 Day Creek	Landscape	12
O & S Holdings	8251 Day Creek	Landscape	11
O&S(Foothill Crossings)	8340 Day Creek	Landscape	8
Prologis	951 Etiwanda AVE	Landscape	30
Prologis	5655 Ontario mills pkwy	Landscape	25
Prologis	5655 Ontario mills pkwy Lndsc	Landscape	4
Prologis	5655 Ontario mills pkwy Lndsc	Landscape	10
Rackafeller group	9461 - 9591 Pittsburgh ave	Landscape	3
Richard Dick & Associates	9302 Pittsburg Ave	Landscape	5
Southern California Edison	12484 6th st	Landscape	11
Stadium Plaza North	11996 Jack Benny	Landscape	4
Stadium Plaza North	8351 Rochester	Landscape	5
Stadium Plaza South	12005 Jack Benny	Landscape	4
Stadium Plaza South	8351 Rochester	Landscape	5
Stanley Steamers	9051 Rochester Ave	Landscape	2
Starbuck's Coffee	8025 Day Creek	Landscape	0
Toyota Motor Sales	9040 Charles Smith Ave	Landscape	1
Vega Industries	11933 6th st	Landscape	3
Victoria Gardens(Shea Homes)	7695 Day Creek	Landscape	11
Victoria Gardens(Shea Homes)	7695 Day Creek	Landscape	9
Victoria Gardens(Shea Homes)	12867 Church	Landscape	5
Wells Fargo Bank	8071 Day Creek	Landscape	1
City of Rancho Cucamonga	7484 Vineyard	Landscape	3
City of Rancho Cucamonga	7491 Arbor	Landscape	9
City of Rancho Cucamonga	7491 Arbor	Landscape	1
City of Rancho Cucamonga	7484 Vineyard	Landscape	13
Clark and Sons	Ontario mills pkwy w/o Etiwanda	Landscape	6
CVWD Landscape Usage (AF):			1,223
CVWD Total Usage (AF):			1,231

APPENDIX C
Recycled Water Users and Demands

Inland Empire Utilities Agency (IEUA)			
Customer	Site Address	Type	Total AF
Declez Channel Drainage System		Agricultural	0
IEUA Agricultural Usage (AF):			0
Construction Sites		Construction	0
IEUA Construction Usage (AF):			0
ESCI	RP5-SHF	Industrial	0
Genon Energy Plant	8800 Etiwanda Ave	Industrial	677
IERCF	12645 6th Street	Industrial	8
IEUA Industrial Usage (AF):			685
Chino Creek Park Evaporation		Landscape	166
Chino Creek Wetlands and Educational Park	6075 Kimball Avenue	Landscape	18
Greenlee Nursery	15993 El Prado Rd	Landscape	0
IEUA Headquarters	6075 Kimball Ave.	Landscape	1
IEUA Landscape Usage (AF):			186
7th & 8th Street	E 8th Street	Recharge	2,261
Banana Basin		Recharge	670
Brooks Basin		Recharge	1,505
Ely Basin	East Philadelphia Ave	Recharge	1,378
Hickory Basin	Arrow Hwy	Recharge	874
RP-3	RP-3 carbon Canyon	Recharge	2,198
San Sevaine No. 5		Recharge	575
Turner Basin		Recharge	176
Victoria Basin		Recharge	842
IEUA Recharge Usage (AF):			10,479
IEUA Total Usage (AF):			11,350

APPENDIX C
Recycled Water Users and Demands

Monte Vista Water District (MVWD)			
Customer	Site Address	Type	Total AF
5100 Benito	5100 Benito	Landscape	11
Alma Hoffman Park	5201 Benito Street	Landscape	12
Buena Vista Elem School	5675 San Bernardino Street	Landscape	37
City Hall	5111 Benito Street	Landscape	3
Demonstration Garden	4594 San Bernardino St.	Landscape	1
Golden Girls Park	9762 Benson Ave	Landscape	8
Golden Girls Park	9762 Benson Ave	Landscape	-8
Kingsley Elem School	5625 Kingsley Street	Landscape	22
Kingsley Park	5575 Kingsley Street	Landscape	13
Lehigh Elementary School	10200 Lehigh Avenue	Landscape	11
Library/City Hall	9955 Fremont Avenue	Landscape	6
Montclair Hi School	4700 Orchard Street	Landscape	61
Montclair Medical Center	5000 San Bernardino Street	Landscape	15
Montclair Towncenter HOA	9950 Fremont Avenue	Landscape	0
Montclair Towncenter HOA	9700 Fremont Avenue	Landscape	17
Montclair Towncenter HOA	9800 Fremont Avenue	Landscape	15
Monte Vista Elementary School	4900 Orchard Street	Landscape	17
Our Lady of Lourdes Church	5300 Orchard Street	Landscape	4
Saratoga Park	5397 Kingsley St	Landscape	44
Sunrise Park	5616 Princeton Street	Landscape	9
Sunset Park	4351 Orchard Street	Landscape	7
Sunset Park	4351 Orchard Street	Landscape	13
Wilderness Basin Park	4594 San Bernardino St.	Landscape	9
MVWD Landscape Usage (AF):			327
MVWD Total Usaga (AF):			327

APPENDIX C
Recycled Water Users and Demands

San Bernardino County			
Customer	Site Address	Type	Total AF
El Prado Golf Course	6555 Pine Ave	Landscape	314
El Prado Park	16700 S. Euclid Avenue	Landscape	1,093
SB County Landscape Usage (AF):			1,407
SB County Total Usage (AF):			1,407

Inland Empire Utilities Agency
2013/14 RECYCLED WATER
ANNUAL REPORT

Water Smart ~ Thinking in Terms of Tomorrow



Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

TABLE OF CONTENTS

OVERVIEW.....	1
HISTORY.....	6
TREATMENT PLANTS.....	7
CURRENT RECYCLED WATER CAPITAL PROGRAM.....	11
PROJECTS CONSTRUCTED in FY 13/14.....	12
PROJECTS IN PLANNING/DESIGN IN FY 13/14.....	12
FUTURE REUSE PROJECTS.....	13
RETAIL PURVEYORS.....	14
APPENDICES A & B - RECYCLED WATER AND EFFLUENT MONITORING AND COMPLIANCE DATA	
APPENDIX C - RECYCLED WATER USERS AND DEMANDS	

OVERVIEW

The Inland Empire Utilities Agency (IEUA) owns and operates five water recycling treatment facilities, of which four produce recycled water. These facilities serve over 850,000 people in seven cities. IEUA serves its seven member agencies: Cities of Chino, Chino Hills, Fontana, Montclair, Ontario and Upland and Cucamonga Valley Water District.

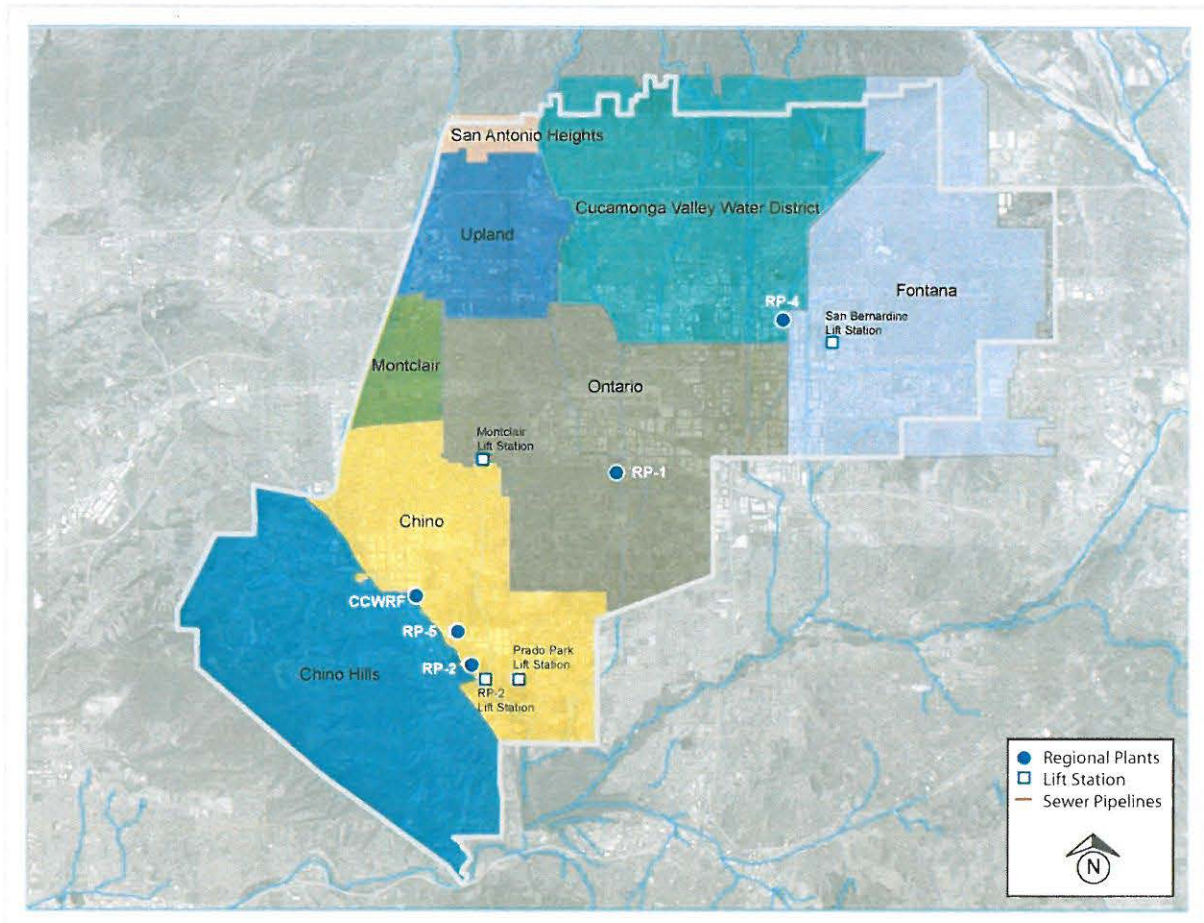


Figure 1 – IEUA Service Area

RECYCLED WATER SALES:

During the fiscal year 2013/14, the average recycled water supply from IEUA's facilities was approximately 53 million gallons per day (MGD). Annual Recycled water demand for direct use and recharge purposes was approximately 64 percent of the available supply. During the summer peak months, the daily recycled water demand is over 70 percent of the available supply.

Of the 53 MGD or 59,360 AFY of recycled water produced during the fiscal year, 38,251 acre feet per year (AFY) were beneficially reused for a variety of applications including landscape irrigation, agricultural irrigation, industrial process water, and groundwater recharge. The usage is categorized in Table 1.

Type of Usage	Demand for FY 13/14 (AFY)
Agricultural	11,110
Construction	147
Industrial	1,685
Landscape	11,714
Recharge	13,595
Total Demand (AFY):	38,251

Table 1 – Annual Usage per customer usage type

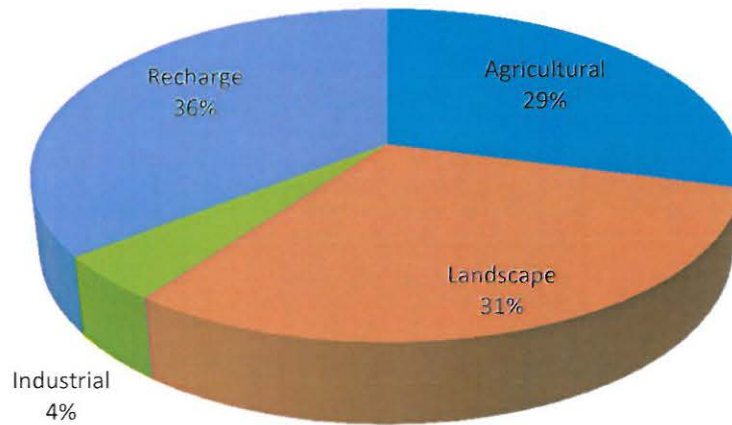


Figure 2 – Customer Type Usage Breakout by Percentage

Recycled water sales during FY 2013/14 were over 38,251 acre-feet (AF), an increase by over ten percent from the previous fiscal year’s sales. A summary of the history of the recycled water sales is provided in Figure 3 below.

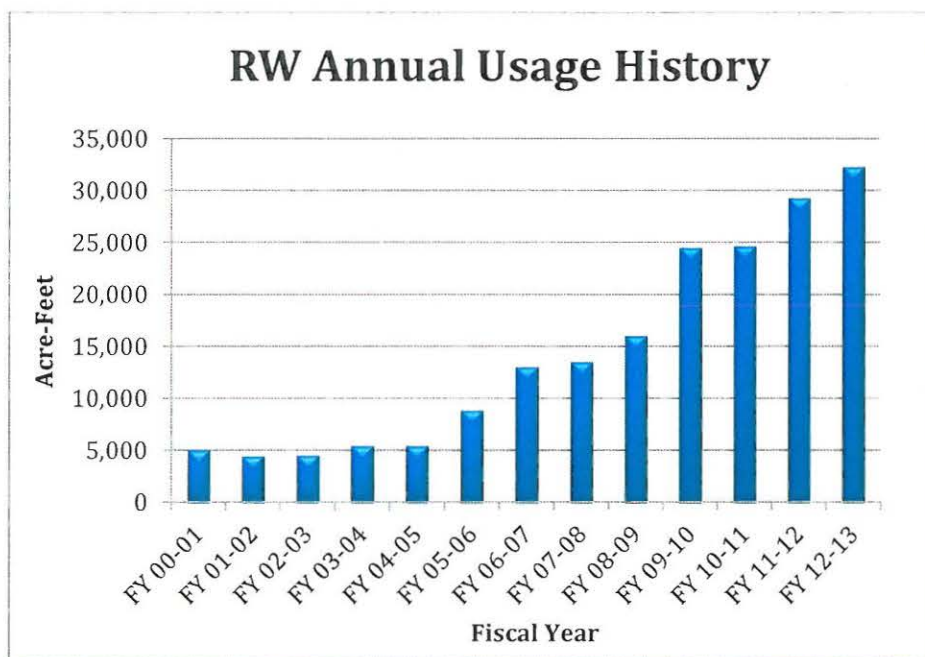


Figure 3 –Historic Annual Usage in Acre-foot

During FY 2013/14, 50 new connections, with a new connected demand of 974 AFY were connected to the recycled water system. Connected demand is the anticipated annual usage based on acreage of land and previous potable water usage history. The recycled water and effluent monitoring and compliance data is provided in Appendices A to B. The history of the recycled water users and associated demand for the fiscal year is provided as Appendix C.

The amount of groundwater recharged every year varies based on different factors, mostly depending on the amount and timing of rainfall, and maintenance activities in the basins. Summary of groundwater recharge and direct use sales of recycled water is provided in Figure 4.

Direct Reuse Vs. Groundwater Recharge

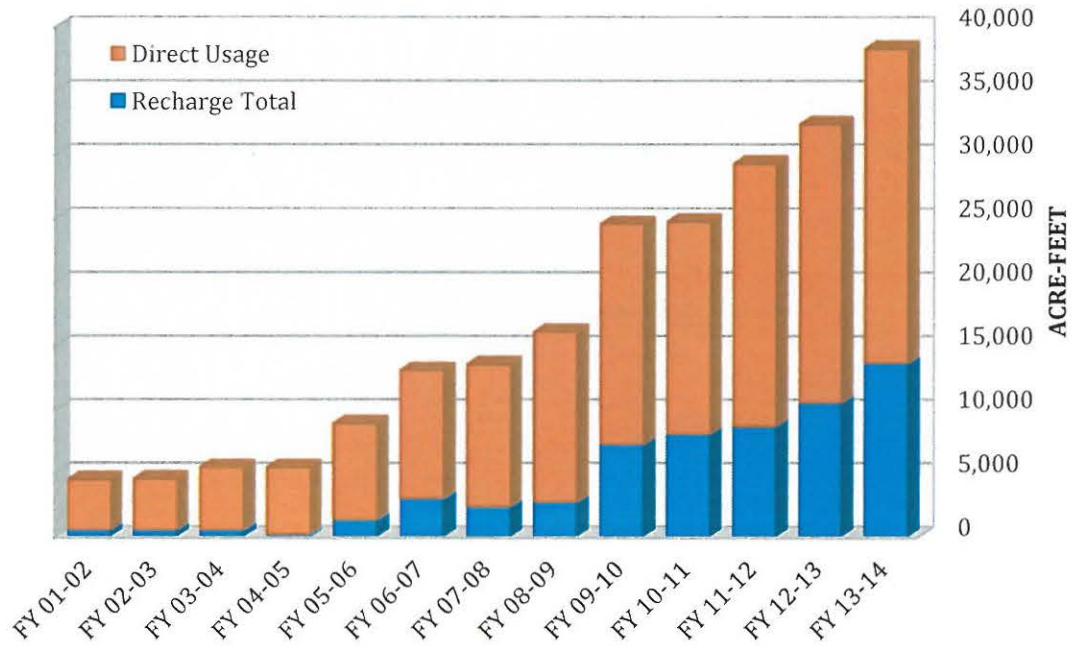


Figure 4 – Historical Comparison of Direct Usage vs. Groundwater Recharge

The top ten largest direct reuse sites, excluding groundwater recharge, for the fiscal year are provided below:

SITE	TYPE OF USE	ACRE-FEET
Cleveland Farm	Agricultural	1,264
Cal Poly Pomona	Agricultural	1,258
Lewis Farms	Agricultural	1,107
WESTSTEYN DAIRY	Agricultural	1,004
El Prado Park	Landscape	989
Temple Inland Paper	Industrial	884
CW Farms	Agricultural	862
Whispering Lakes Golf Course	Landscape	756
Murai Farm	Agricultural	706
Nyenhius Dairy	Agricultural	688
TOTAL USE		9,517

Table 2 – IEUA’s Top 10 Customers for FY 2013/14 Usage

ECONOMIC AND ENVIRONMENTAL IMPACTS

The wholesale rate for recycled water to IEUA's member agencies from July 2013 to June 2014 was \$215/AF for direct usage and \$255/AF for recharge. Table 4 in the 'Retail Purveyors' section of the report compares selected potable water rates and recycled water rates, illustrating the savings realized by the end users.

The 38,251 AFY of recycled water reused during the fiscal year is the equivalent of the water supply for roughly 70,500 homes. The use of locally produced recycled water reduces the need to pump State Project water over the Tehachapi Mountains at a net energy demand reduction of 2,657 kilowatt-hours (kWh) per acre-foot, or an overall reduction of approximately 79 percent in carbon dioxide emissions.

SUMMARY

Of the 59,360 AFY wastewater treated, 100% met the most stringent Department of Public Health Title-22 water quality standards. 38,251 AFY was used for direct sales or groundwater recharge. Over 54 new connections were connected during the fiscal year, with an additional connected demand of 2,591 AFY for the fiscal year.

Final effluent quality for each of the Agency's treatment plants are provided in Appendix A thru B. All of the current recycled water users and their usage are presented in Appendix C.

HISTORY

Early water recycling efforts in the 1970s by the Agency involved the Whispering Lakes Golf Course adjacent to RP-1 in Ontario and El Prado Park and Golf Course in Chino. In the 1980s, recycled water continued to be an integral part of IEUA planning with implementation of the Carbon Canyon Water Recycling Facility (CCWRF) and Regional Plant No. 4 (RP-4). These two recycling plants were sited specifically at higher elevations to reduce recycled water pumping costs. A backbone distribution system was installed in Chino and Chino Hills from CCWRF in 1997 and was initially operated by IEUA under Ordinance No. 63. This system was later turned over to the City of Chino and the City of Chino Hills and forms the core of the recycled water distribution network operated by these two cities.

The first major Regional pipeline was constructed in 1995 and served the dual purpose of a regional recycled water distribution pipeline and an outfall allowing RP-4 effluent to be discharged with RP-1 effluent in Cucamonga Creek. The RP-4 Outfall was designed as a pressurized system so that water could be pumped from RP-1 to RP-4 as well as flow in the opposite direction.

In the late 1990's, IEUA began to implement groundwater recharge with recycled water at Ely Basin. The initial Ely Basin project was followed by the Chino Basin Watermaster's (CBWM) development of the Optimum Basin Management Program (OBMP) and the regions efforts (including IEUA) to implement the OBMP. Ordinance No. 69 was adopted in May 2000.

The IEUA Board of Directors also adopted Ordinance No. 75 in 2002, the Agencies Mandatory Use Ordinance. Also in 2002, the CBWM, Chino Basin Water Conservation District (CBWCD), the San Bernardino County Flood Control District (SBCFCD) and IEUA joined forces to greatly expand groundwater recharge capacity. The surface spreading operation significantly enhances storm water conservation and replenishment with imported and recycled water. Intense focus continues today on developing the recycled water supply. In December, 2007, the IEUA Board of Directors approved an aggressive Three Year Business Plan that calls for 50,000 acre feet of connected demand of recycled water by 2013.

TREATMENT PLANTS

The Agency owns and operates five regional water recycling facilities: Regional Plant No.1 (RP-1), Regional Plant No. 2 (RP-2), Regional Plant No. 4 (RP-4), Regional Plant No. 5 (RP-5), and Carbon Canyon Water Reclamation Facility (CCWRF). Of the treatment plants, RP-2 does not have any liquid treatment processes, and as such does not produce any recycled water. The combined capacity of the remaining four plants is 84 MGD.

Regional Water Recycling Plant No. 1



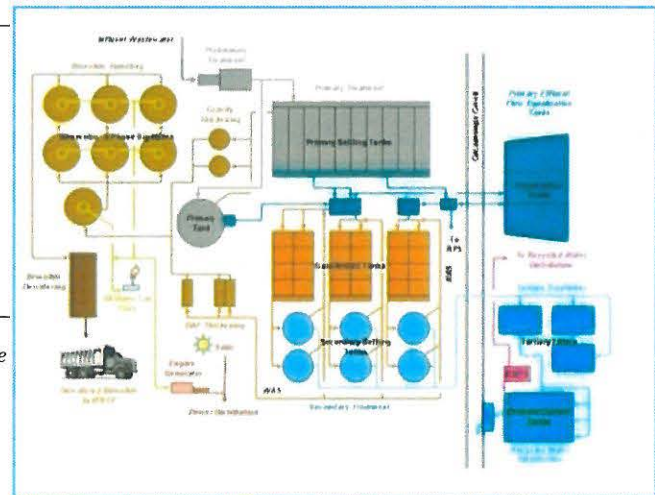
Regional Water Recycling Plant No. 1 (RP-1) is located in the City of Ontario near the intersection of California State Route 60 and Archibald Avenue. This facility was originally commissioned in 1948 and has undergone several expansions to increase the design of wastewater treatment capacity to the current 44.0 MGD and Biosolids treatment capacity equivalent to a wastewater flow rate of 60.0 MGD. This facility serves the Cities of Ontario, Rancho Cucamonga, Upland, Montclair, Fontana and an unincorporated area of San Bernardino County.

Plant Description

RP-1 includes several treatment processes that contribute to providing quality recycled water pursuant to the State of California Title 22 regulations. The major treatment processes include preliminary and primary treatment, primary effluent flow equalization and diversion, secondary treatment, tertiary treatment and biosolids treatment as illustrated in the figure below.

Plant Capacity:	44.0 MGD
Influent Flow:	26.9 MGD
Water Reused:	15.9 MGD*
Creek Discharge:	11.0 MGD*

*RP-1 and RP-4 have a combined effluent; therefore, the usage and creek discharge reported are for the two plants combined



Regional Water Recycling Plant No. 4 (RP-4)



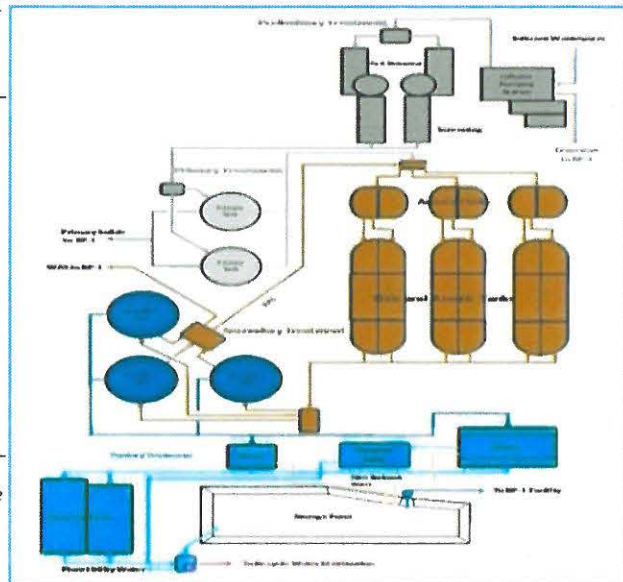
Located in the City of Rancho Cucamonga, the Regional Water Recycling Plant No. 4 (RP-4) has been in operation and producing recycled water since 1997. RP-4 treats an average flow of 11 million gallons per day and is operated in conjunction with RP-1 to provide recycled water to users. The RP-4 facility was recently expanded from its capacity of 7 MGD to 14 MGD. This facility serves portions of Rancho Cucamonga, Fontana and unincorporated areas of San Bernardino County.

Plant Description

RP-4 includes several treatment processes that contribute to providing quality recycled water pursuant to the State of California Title 22 regulations. The major treatment processes include raw wastewater pumping, preliminary and primary treatment, secondary treatment and tertiary treatment as illustrated in the figure below. Tertiary water that is not utilized for direct sales or groundwater recharge is discharged to the creek at RP-1 from RP-4.

Plant Capacity:	14.0 MGD
Influent Flow:	10.1 MGD
Water Reused:	8.9 MGD*
Creek Discharge:	1.2 MGD*

*RP-1 and RP-4 have a combined effluent; therefore, the usage and creek discharge reported are for the two plants combined.



Carbon Canyon Water Recycling Facility (CCWRF)

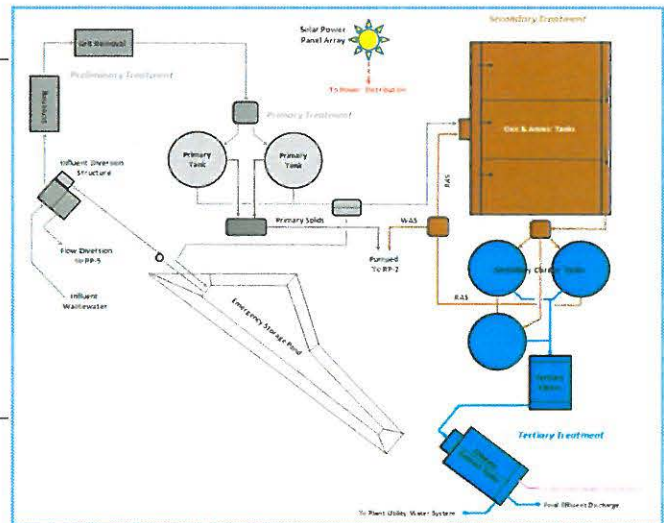


Carbon Canyon Water Recycling Facility (CCWRF), located in the City of Chino, has been in operation since May 1992. The \$46-million facility works in tandem with Regional Plant No. 2 (RP-2) and serves the areas of Chino, Chino Hills, Montclair and Upland. Liquids are treated at CCWRF, while the solids removed from the waste flow are treated at RP-2. CCWRF treats an annual average flow of 9.5 MGD.

Plant Description

CCWRF includes several treatment processes that contribute to providing quality recycled water pursuant to the State of California Title 22 regulations. The major treatment processes include raw wastewater pumping, preliminary and primary treatment, primary effluent flow diversion, secondary treatment and tertiary treatment as illustrated in the figure below.

Plant Capacity:	11.4 MGD
Influent Flow:	7.2 MGD
Water Reused:	3.2 MGD
Creek Discharge:	4.0 MGD



Regional Water Recycling Plant No. 5 (RP-5)

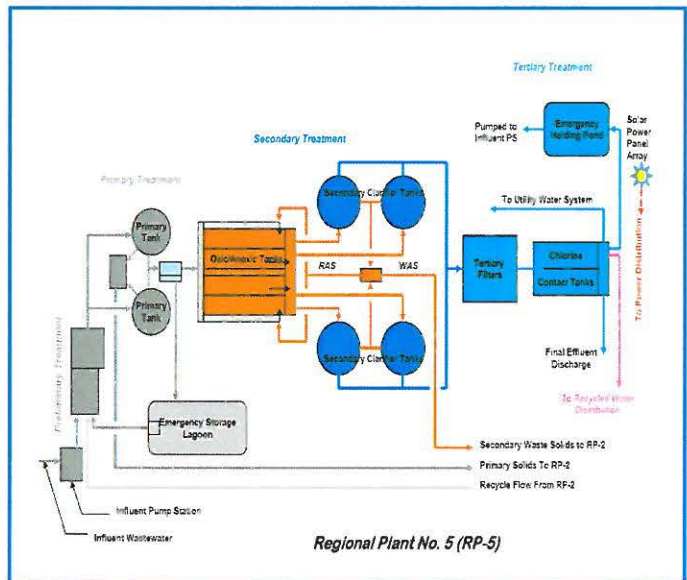


Regional Water Recycling Plant No. 5 (RP-5), located in the City of Chino, has been in operation since March 2004. RP-5 serves the areas of Chino, Chino Hills, Montclair, Ontario, and Upland. Liquids are treated at RP-5, while the solids removed from the waste flow are treated at RP-2. RP-5 treats an annual average flow of 12 MGD.

Plant Description

RP-5 includes several treatment processes that contribute to providing quality recycled water pursuant to the State of California Title 22 regulations. The major treatment processes include raw wastewater pumping, preliminary and primary treatment, secondary treatment, and tertiary treatment as illustrated in the figure below.

Plant Capacity:	15.0 MGD
Influent Flow:	8.0 MGD
Water Reused:	5.7 MGD
Creek Discharge:	2.3 MGD



CURRENT RECYCLED WATER CAPITAL PROGRAM

The IEUA currently produces over 53 million gallons per day of recycled water, and there are several projects under way to expand the use of recycled water within its service area. These projects and the location of the capital projects are shown in Table 4. Details of the projects that were in design or construction during FY 2013/14 are summarized below.

Table 3 – FY 2013-14 Capital Project Summary

Completed Projects	Location	Project Cost	Grants	Schedule
Total Completed Projects		\$146 M	\$28 M	

Projects in Design/Construction	Location	Project Cost	Grants	Schedule
Southern Area Projects	Chino & Chino Hills	\$28 M	\$4 M	Fall 2014
Central Area Projects	Ontario & Fontana	\$28M	\$4 M	Winter 2014
Local Laterals & Retrofits	IEUA Service Area	\$10 M	\$1M	Pending Funding
Total Projects Design/Construction		\$66 M	\$9 M	
TOTAL IEUA RW Projects		\$212 M	\$37 M	

PROJECTS COMPLETED IN FY 2013/14

Southern Area: The project includes recycled water pipeline and reservoir in the 930 pressure zone in the southern service area, primarily serving the cities of Chino, Chino Hills and Ontario. An agreement with the City of Chino Hills for IEUA to purchase 2.0 million gallons (MG) of storage capacity has been executed. The permits and future rights to access the facilities were obtained with the exception to the easements from the City of Chino Hills.

The **930 Recycled Water Reservoir** project consists of the construction of a five (5) MG reservoir located within the corporate limits of Chino Hills.

CCWRF Recycled Water Pump Station Expansion: The CCWRF recycled water pump station will be expanded to increase their overall pumping capacity from 8 MGD to 14 MGD.

PROJECTS IN CONSTRUCTION IN FY 2013/14

The **930 Recycled Water Pipeline** project consists of the construction of a feeder line approximately 12,500 feet in total length from the proposed 930 Recycled Water Reservoir reservoir to an existing connection point located at the northwest quadrant of the San Antonio Channel Crossing and Chino Hills Parkway.

Status: The construction completion is scheduled for December 2014.

PROJECTS IN DESIGN DURING FY 2013/14

Central Area: The Central Area Recycled Water Project includes Wineville Recycled Water Pipeline Extension and Ground Water Recharge (GWR) & Recycled Water (RW) SCADA System Upgrades.

The **Wineville Extension Recycled Water Pipeline** includes 4.6 miles of 36 inch pipe which will primarily build the Regional Recycled Water distribution system in the southern part of the City of Fontana and the eastern part of the City of Ontario. The pipeline will allow for the connection of commercial, industrial customers, parks and schools within the cities of Ontario and Fontana and also utilize RP-3 and Declez Basins for Recycled Water recharge. The project would beneficially increase recycled water use between 3,000 to 4,500 AFY.

Status: Final Design. Expected project completion is Winter 2014.

The **GWR & RW SCADA System Upgrades-** A new communication network backbone for the Agency has just been installed. This project is required to bring GWR and RW facilities onto the new agency communication backbone. The current system is overloaded and the GWR and RW sites need to be transitioned to the new system. This project will also transition the RP-5 RW Pump Station SCADA system to Rockwell Automation and onto the RW SCADA system. The scope for this project includes radio path surveys for the GWR and RW stations, procurement, installation and programming of new hardware and software.

Status: Project Evaluation phase. Design completion is anticipated for June 2015.

FUTURE REUSE PROJECTS

IEUA and its Member Agencies will make every effort to use available recycled water wherever appropriate, as well as make an effort to increase the use of recycled water within the agencies' boundaries. By committing to the Three Year Business Plan, the implementation of recycled water projects will be coordinated with all agencies within the Chino Basin area. This will increase the delivery of recycled water quickly to ensure reliable supplies to avoid shortages to residents and customers. This will allow IEUA and its Member Agencies to continue to provide a reliable water supply to its customers in the future when shortages of imported supplies could be over a multiple year period.

Several recycled water distribution projects throughout the Agency's service area are in various stages of development. The projects will allow for the expanded use of recycled water in the range of 5,000 AFY.

The Agency is currently in the process of updating its various planning documents, one amongst them, the Recycled Water Program Strategy. As a result, the RW projects will be prioritized and implemented at the completion and approval of the RW Program Strategy. The RW Program Strategy is expected to be completed by December 2014.

RETAIL PURVEYORS

IEUA is the wholesale recycled water provider to its Member Agencies, who in turn are the retail agencies that directly serve its customers. The member agencies at present which serve recycled water to its customers include:

- City of Chino
- City of Chino Hills
- City of Ontario
- Cucamonga Valley Water District
- Monte Vista Water District
- City of Fontana

Cities of Upland and Fontana have not yet started recycled water deliveries to their customers, and therefore have not yet established rates for recycled water.

IEUA's wholesale recycled water rate to its member agencies for FY 2013/14 was \$215/AF for direct usage and \$255/AF for recharge between the months of July 2012 to June 2013. The retail agencies' recycled water rates during FY 2013/2014 are summarized below in Table 4.

Table 4 - Purveyor Water Rate Survey FY 2013/14

City of Ontario		
	Usage (HCF)	Rate
Potable Water	Up to 15	\$2.30
		\$2.30
	Over 15	\$2.61
		\$3.20
Recycled Water	Up to 1000	\$1.35
	Over 1000	\$1.24

City of Chino			
	Usage Type	Usage (HCF)	Rate
Potable Water	All	1	\$1.61
Recycled Water	General	1	\$1.13
	Agricultural	1	\$0.56

City of Chino Hills			
	Zone	Usage (HCF)	Rate
Potable Water	Low	0-12	\$1.89
		13-30	\$2.15
		30-Higher	\$3.01
Potable Water	Interim	0-12	\$2.04
		13-30	\$2.31
		30-Higher	\$3.17
Potable Water	High	0-12	\$2.29
		13-30	\$2.55
		35-Higher	\$3.41
Recycled Water	Low	0-12	\$1.81
	Interim	13-30	\$1.93
	High	30-Higher	\$2.13
	Temporary	N/A	\$2.18
	Agriculture	N/A	\$0.85

MVWD			
	Tier	Usage (HCF)	Rate
Potable Water	1	1	\$1.704
	2	1	\$2.145
	3	1	\$3.130
	4	1	\$5.478
Recycled Water	N/A	1	\$1.554

CVWD		
	Usage (HCF)	Rate
Potable Water	Tier 1 (0-10)	\$1.49
	Tier 2 (11-40)	\$1.78
	Tier 3 (41-100)	\$2.19
	Tier 4 (>100)	\$2.54
Recycled Water		\$1.53

APPENDICES A & B

Recycled Water and Effluent Monitoring
and Compliance Data

Inland Empire Utilities Agency
Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-1 (M-001A* & M-001B) Effluent Monitoring Data

Table No. 3a

Date	Flow			EC			pH			BOD ₅				TSS				TOC			TDS			TIN			TN			NH ₃ -N (grab)					
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
Limit>>>				µmhos/cm			unit			mg/L				%				mg/L			mg/L			mg/L			mg/L			mg/L			4.5		
Jan-13	3.4	2.0	4.5	814	699	870	7.2	7.0	7.3	<2	<2	4	0.5	<2	<2	<2	0.5	5.8	4.9	6.4	504	472	522	6.5	4.4	7.8	7.5	6.3	8.0	<0.1	<0.1	<0.1			
Feb-13	1.9	1.0	2.0	808	597	866	7.1	6.7	7.6	<2	<2	2	0.6	<2	<2	<2	0.5	5.7	4.9	6.8	512	498	520	7.2	6.1	8.5	8.7	7.9	10.1	<0.1	<0.1	<0.1			
Mar-13	1.6	0.7	2.0	854	731	909	7.2	7.1	7.3	<2	<2	3	0.7	<2	<2	<2	0.4	5.8	5.4	6.2	511	494	540	7.4	6.7	8.2	8.3	7.4	8.8	<0.1	<0.1	<0.1			
Apr-13	1.9	0.0	3.5	879	843	917	7.2	7.1	7.3	<2	<2	<2	0.5	<2	<2	<2	0.4	6.0	5.5	6.9	542	532	552	7.8	6.8	8.6	9.5	8.1	10.3	<0.1	<0.1	<0.1			
May-13	1.6	0.6	2.5	893	872	953	7.1	6.8	7.3	<2	<2	<2	0.4	<2	<2	<2	0.4	6.4	5.7	7.0	549	518	586	8.6	7.1	9.7	9.9	7.9	11.0	<0.1	<0.1	<0.1			
Jun-13	2.2	0.5	4.5	870	846	893	7.2	7.0	7.3	<2	<2	<2	0.4	<2	<2	<2	0.4	5.9	5.4	6.4	543	512	596	6.6	3.9	8.3	7.1	4.6	9.7	<0.1	<0.1	<0.1			
Jul-13	1.8	0.5	3.5	897	868	930	7.3	7.1	7.4	<2	<2	<2	0.4	<2	<2	<2	0.4	6.3	5.3	7.1	538	526	544	6.3	4.2	7.9	7.6	6.6	9.0	<0.1	<0.1	<0.1			
Aug-13	1.6	1.3	2.4	884	854	908	7.0	6.9	7.1	<2	<2	<2	0.4	<2	<2	<2	0.4	5.7	5.1	6.6	546	520	580	7.1	5.1	8.9	8.7	7.7	9.9	<0.1	<0.1	<0.1			
Sep-13	2.1	1.4	5.0	868	602	902	7.1	7.0	7.2	<2	<2	<2	0.4	<2	<2	<2	0.5	5.4	5.0	5.8	530	506	546	7.8	5.7	8.9	8.9	7.8	9.8	<0.1	<0.1	<0.1			
Oct-13	3.1	1.5	4.4	865	843	890	7.1	6.9	7.3	<2	<2	<2	0.4	<2	<2	<2	0.5	5.7	5.0	6.5	517	502	534	8.2	6.9	9.7	8.7	8.0	9.7	<0.1	<0.1	<0.1			
Nov-13	2.9	1.9	4.0	880	832	898	7.1	6.8	7.2	<2	<2	<2	0.4	<2	<2	<2	0.5	5.4	5.0	6.2	530	520	540	8.3	6.5	9.6	9.2	8.1	10.7	<0.1	<0.1	0.2			
Dec-13	2.7	0.0	4.0	846	779	900	7.1	7.0	7.2	<2	<2	<2	0.5	<2	<2	<2	0.4	5.8	5.1	6.8	521	494	538	9.4	4.3	12.9	10.1	7.3	13.4	<0.1	<0.1	<0.1			
Avg	2.2	1.0	3.5	863	780	903	7.1	6.9	7.3	<2	<2	<2	0.5	<2	<2	<2	0.4	5.8	5.2	6.5	528	508	550	7.6	5.6	9.1	8.7	7.3	10.0	<0.1	<0.1	<0.1			
Min	1.6	0.0	2.0	808	597	866	7.0	6.7	7.1	<2	<2	<2	0.4	<2	<2	<2	0.4	5.4	4.9	5.8	504	472	520	6.3	3.9	7.8	7.1	4.6	8.0	<0.1	<0.1	<0.1			
Max	3.4	2.0	5.0	897	872	953	7.3	7.1	7.6	<2	<2	4	0.7	<2	<2	<2	0.5	6.4	5.7	7.1	549	532	596	9.4	7.1	12.9	10.1	8.1	13.4	<0.1	<0.1	0.2			

*M-001A is the compliance point for continuous monitoring parameters, TDS, and toxicity.

RP-1/RP-4 (M-002A) Effluent Monitoring Data

Table No. 3b

Date	Flow			EC			pH			BOD ₅				TSS				TOC			TDS			TIN			TN			NH ₃ -N (grab)				
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min
Limit>>>				µmhos/cm			unit			mg/L				%				mg/L			mg/L			mg/L			mg/L			4.5				
Jan-13	11.4	4.7	25.4	855	820	891	7.0	6.9	7.1	<2	<2	2	0.5	<2	<2	<2	0.5	5.5	4.4	6.1	495	486	508	6.8	4.5	8.3	9.7	9.7	9.7	<0.1	<0.1	0.1		
Feb-13	11.5	4.9	26.4	850	820	882	7.0	6.6	7.2	<2	<2	2	0.6	<2	<2	<2	0.5	5.5	4.8	6.4	491	486	498	7.3	4.1	8.9	9.4	9.4	9.4	<0.1	<0.1	<0.1		
Mar-13	7.6	1.8	23.8	859	833	879	6.9	6.7	7.0	<2	<2	3	0.7	<2	<2	<2	0.4	5.6	4.9	6.5	496	484	508	7.1	6.0	8.0	8.5	8.5	8.5	<0.1	<0.1	<0.1		
Apr-13	3.0	0.8	6.7	874	835	982	7.0	6.8	7.1	<2	<2	<2	0.6	<2	<2	<2	0.4	5.9	5.3	7.1	505	496	514	6.9	5.1	8.3	7.5	7.5	7.5	<0.1	<0.1	<0.1		
May-13	4.9	1.5	13.2	888	853	923	7.1	6.9	7.2	<2	<2	2	0.5	<2	<2	<2	0.4	6.2	5.5	6.7	516	506	524	7.2	4.9	9.2	8.6	8.6	8.6	<0.1	<0.1	<0.1		
Jun-13	3.2	0.6	6.1	888	870	926	6.9	6.7	7.3	<2	<2	2	0.4	<2	<2	<2	0.4	5.6	5.2	6.1	516	490	552	5.7	3.1	7.4	6.3	6.3	6.3	<0.1	<0.1	<0.1		
Jul-13	2.8	0.4	5.7	915	874	962	6.9	6.5	7.3	<2	<2	3	0.4	<2	<2	<2	0.5	6.1	5.4	6.9	517	500	534	5.7	2.8	7.3	4.3	4.3	4.3	<0.1	<0.1	<0.1		
Aug-13	2.3	0.6	6.5	860	808	908	7.1	6.8	7.2	<2	<2	<2	0.4	<2	<2	<2	0.5	5.5	4.9	6.4	509	492	522	6.8	4.1	9.6	7.3	7.3	7.3	<0.1	<0.1	<0.1		
Sep-13	2.4	0.6	9.4	844	815	872	7.1	6.9	7.2	<2	<2	<2	0.4	<2	<2	2	0.5	5.2	4.8	5.6	513	500	524	7.3	3.2	9.5	9.8	9.8	9.8	<0.1	<0.1	<0.1		
Oct-13	5.4	0.7	22.5	827	798	880	7.1	6.8	7.2	<2	<2	3	0.5	<2	<2	<2	0.5	5.5	4.9	6.3	496	488	504	7.8	5.1	9.8	7.8	7.8	7.8	<0.1	<0.1	<0.1		
Nov-13	6.9	0.8	25.2	873	846	926	7.0	6.6	7.2	<2	<2	<2	0.5	<2	<2	<2	0.5	5.2	4.9	5.9	520	508	530	8.2	6.7	9.7	9.2	9.2	9.2	<0.1	<0.1	<0.1		
Dec-13	8.7	2.6	25.9	873	833	937	7.1	6.8	7.2	<2	<2	<2	0.5	<2	<2	<2	0.5	5.6	5.0	6.4	518	502	538	9.4	4.7	14.6	11.7	11.7	11.7	<0.1	<0.1	<0.1		
Avg	5.8	1.7	16.4	867	834	914	7.0	6.8	7.2	<2	<2	2	0.5	<2	<2	<2	0.5	5.6	5.0	6.4	508	495	521	7.2	4.5	9.2	8.3	8.3	8.3	<0.1	<0.1	<0.1		
Min	2.3	0.4	5.7	827	798	872	6.9	6.5	7.0	<2	<2	<2	0.4	<2	<2	<2	0.4	5.2	4.4	5.6	491	484	498	5.7	2.8	7.3	4.3	4.3	4.3	<0.1	<0.1	<0.1		
Max	11.5	4.9	26.4	915	874	982	7.1	6.9	7.3	<2	<2	3	0.7	<2	<2	2	0.5	6.2	5.5	7.1	520	508	552	9.4	6.7	14.6	11.7	11.7	11.7	<0.1	<0.1	0.1		

Inland Empire Utilities Agency
Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-5 (M-003) Effluent Monitoring Data

Table No. 3c

Date	Flow			EC			pH			BOD ₅				TSS				TOC			TDS			TIN			TN			NH ₃ -N (grab)					
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
Limit>>>				µmhos/cm			unit			mg/L				%				mg/L			mg/L			mg/L			mg/L			mg/L			mg/L		
	MGD						6.5-8.5			20				15				20			15												4.5		
Jan-13	9.5	8.5	10.2	915*	905*	930*	7.3	7.2	7.5	<2	<2	<2	0.5	3	<2	9	1.1	4.2	3.3	5.0	517	510	524	5.1	2.5	7.3	7.7	7.7	7.7	<0.1	<0.1	<0.1			
Feb-13	9.6	8.1	10.5	920*	895*	965*	7.3	7.2	7.4	<2	<2	<2	0.7	<2	<2	5	0.9	4.2	3.9	4.7	523	516	526	7.0	5.9	8.6	7.3	7.3	7.3	<0.1	<0.1	<0.1			
Mar-13	4.6	1.6	7.8	897*	885*	905*	7.1	7.0	7.4	<2	<2	<2	0.9	<2	<2	4	1.1	4.5	4.2	4.8	528	524	534	6.3	5.1	7.4	7.7	7.7	7.7	0.3	<0.1	0.6			
Apr-13	3.1	1.6	5.3	845*	830*	850*	7.0	6.8	7.2	<2	<2	<2	0.8	<2	<2	5	1.3	4.8	4.2	5.3	536	510	550	6.9	5.7	7.9	8.0	8.0	8.0	0.4	<0.1	0.8			
May-13	2.6	0.0	4.6	854*	835*	865*	7.0	6.9	7.3	<2	<2	3	0.7	<2	<2	4	1.0	4.6	4.3	5.0	540	530	546	7.0	5.8	7.9	7.7	7.7	7.7	0.2	<0.1	0.3			
Jun-13	1.2	0.0	3.8	859*	840*	875*	7.1	7.0	7.4	<2	<2	2	0.5	<2	<2	3	0.8	4.8	4.2	5.4	549	530	566	6.8	5.7	8.8	7.2	5.7	8.6	0.3	0.2	0.4			
Jul-13	0.8	0.0	2.3	878*	850*	900*	7.1	6.7	7.9	<2	<2	2	0.6	<2	<2	3	0.9	5.1	4.7	5.5	555	544	566	6.3	5.9	7.0	6.7	6.7	6.7	0.2	<0.1	0.3			
Aug-13	1.5	1.2	2.6	886*	870*	900*	7.1	6.8	7.2	<2	<2	<2	0.6	<2	<2	3	0.7	4.5	3.8	6.0	574	552	624	6.8	6.2	7.4	8.4	8.4	8.4	0.2	<0.1	0.4			
Sep-13	1.6	0.9	3.0	877*	865*	885*	7.1	6.9	7.2	<2	<2	<2	0.9	<2	<2	9	1.1	4.6	4.0	6.6	549	532	572	6.7	6.0	7.3	8.0	8.0	8.0	0.2	0.2	0.3			
Oct-13	3.3	1.3	8.6	881*	875*	890*	7.0	6.8	7.2	<2	<2	<2	0.6	<2	<2	3	0.9	4.3	4.1	4.7	570	540	640	7.0	6.2	8.1	8.1	8.1	8.1	0.2	<0.1	0.3			
Nov-13	4.2	2.1	6.0	884*	880*	895*	6.9	6.7	7.0	<2	<2	<2	0.5	<2	<2	2	1.0	4.4	3.9	6.1	541	530	546	6.9	5.8	7.6	7.2	7.2	7.2	0.1	0.1	0.2			
Dec-13	4.3	3.0	6.5	863*	840*	885*	6.8	6.7	6.9	<2	<2	<2	0.7	<2	<2	3	0.8	4.5	3.4	5.4	530	500	554	6.6	5.6	7.3	7.2	7.2	7.2	0.1	<0.1	0.2			
Avg	3.9	2.4	5.9	880	864	895	7.1	6.9	7.3	<2	<2	<2	0.7	<2	<2	4	1.0	4.5	4.0	5.4	542	527	562	6.6	5.5	7.7	7.6	7.5	7.7	0.2	<0.1	0.3			
Min	0.8	0.0	2.3	845	830	850	6.8	6.7	6.9	<2	<2	<2	0.5	<2	<2	2	0.7	4.2	3.3	4.7	517	500	524	5.1	2.5	7.0	6.7	5.7	6.7	<0.1	<0.1	<0.1			
Max	9.6	8.5	10.5	920	905	965	7.3	7.2	7.9	<2	<2	3	0.9	3	<2	9	1.3	5.1	4.7	6.6	574	552	640	7.0	6.2	8.8	8.4	8.4	8.6	0.4	0.2	0.8			

*Lab EC data used

CCWRf (M-004) Effluent Monitoring Data

Table No. 3d

Date	Flow			EC			pH			BOD ₅				TSS				TOC			TDS			TIN			TN			NH ₃ -N (grab)					
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max			
Limit>>>				µmhos/cm			unit			mg/L				%				mg/L			mg/L			mg/L			mg/L			mg/L			mg/L		
	MGD						6.5-8.5			20				15				20			15												4.5		
Jan-13	6.1	4.0	8.5	908	866	943	7.0	6.8	7.1	<2	<2	<2	0.5	<2	<2	<2	0.6	4.7	4.2	5.3	544	540	548	6.0	5.2	7.0	7.6	7.6	7.6	<0.1	<0.1	<0.1			
Feb-13	6.5	5.0	7.7	901	857	932	7.0	6.9	7.2	<2	<2	<2	0.6	<2	<2	<2	0.8	4.6	3.6	4.9	525	516	532	5.3	4.4	6.3	6.7	6.7	6.7	<0.1	<0.1	<0.1			
Mar-13	6.1	4.3	7.8	880	851	930	7.0	6.8	8.0	<2	<2	<2	0.6	<2	<2	<2	0.6	4.5	4.2	4.8	526	514	536	4.5	3.5	5.9	5.8	5.8	5.8	<0.1	<0.1	<0.1			
Apr-13	7.4	6.3	8.5	924	877	972	7.0	6.8	8.1	<2	<2	<2	0.5	<2	<2	5	0.6	4.8	4.2	5.4	554	540	578	5.6	3.5	7.4	7.8	7.8	7.8	<0.1	<0.1	<0.1			
May-13	6.7	1.4	8.1	926	900	978	7.0	6.8	7.4	<2	<2	<2	0.5	<2	<2	<2	0.8	5.1	4.6	5.7	554	548	568	4.9	3.7	6.0	7.1	7.1	7.1	<0.1	<0.1	<0.1			
Jun-13	2.1	1.2	5.4	925	902	985	7.0	6.6	7.3	<2	<2	2	0.5	<2	<2	3	0.8	4.9	4.6	5.4	546	532	562	4.4	3.2	5.6	5.4	5.4	5.4	<0.1	<0.1	<0.1			
Jul-13	1.7	0.0	6.3	937	907	969	6.9	6.5	7.2	<2	<2	<2	0.3	<2	<2	2	0.5	5.2	4.9	6.2	545	532	562	4.1	3.3	4.8	5.0	5.0	5.0	<0.1	<0.1	<0.1			
Aug-13	0.0	0.0	0.0	889	855	921	7.0	6.9	7.2	<2	<2	<2	0.3	<2	<2	<2	0.4	4.9	4.3	5.9															
Sep-13	0.0	0.0	0.0	880	853	900	7.0	6.9	7.2	<2	<2	<2	0.4	<2	<2	<2	0.8	4.7	4.3	5.4															
Oct-13	0.9	0.0	5.1	907	882	940	7.0	6.8	7.2	<2	<2	<2	0.3	<2	<2	<2	0.5	5.0	4.5	5.5	532	532	532	4.7	4.2	6.0	4.5	4.5	4.5	<0.1	<0.1	<0.1			
Nov-13	5.8	4.8	6.2	880	845	928	6.8	6.6	6.9	<2	<2	2	0.4	<2	<2	2	0.6	4.5	4.0	4.9	538	530	546	4.0	3.3	4.8	4.7	4.7	4.7	<0.1	<0.1	<0.1			
Dec-13	6.1	4.9	6.6	888	844	918	6.8	6.7	6.9	<2	<2	<2	0.6	<2	<2	2	0.6	4.8	4.2	5.9	538	528	548	5.0	4.2	6.0	5.6	5.6	5.6	<0.1	<0.1	<0.1			
Avg	4.1	2.7	5.9	904	870	943	7.0	6.8	7.3	<2	<2	<2	0.5	<2	<2	<2	0.6	4.8	4.3	5.4	540	531	551	4.8	3.8	5.8	6.0	6.0	6.0	<0.1	<0.1	<0.1			
Min	0.0	0.0	0.0	880	844	900	6.8	6.5	6.9	<2	<2	<2	0.3	<2	<2	<2	0.4	4.5	3.6	4.8	525	514	532	4.0	3.2	4.8	4.5	4.5	4.5	<0.1	<0.1	<0.1			
Max	7.4	6.3	8.5	937	907	985	7.0	6.9	8.1	<2	<2	2	0.6	<2	<2	5	0.8	5.2	4.9	6.2	554	548	578	6.0	5.2	7.4	7.8	7.8	7.8	<0.1	<0.1	<0.1			

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-1 (M-001A) Effluent Monthly Toxicity Data

Table No. 4a

CHRONIC TOXICITY - SURVIVAL (<i>Ceriodaphnia Dubia</i>)						CHRONIC TOXICITY - REPRODUCTION (<i>Ceriodaphnia dubia</i>)				
START DATE	END DATE	NOEC	TUc	2-Mo Median TUc	NOEC	TUc	2-Mo Median TUc	IC ₂₅		
01/06/13	thru 01/12/13	100	1.0	1.0	100	1.0	1.0	100		
02/10/13	thru 02/15/13	100	1.0	1.0	100	1.0	1.0	100		
03/03/13	thru 03/09/13	100	1.0	1.0	100	1.0	1.0	100		
04/21/13	thru 04/28/13	100	1.0	1.0	100	1.0	1.0	100		
05/19/13	thru 05/25/13	100	1.0	1.0	100	1.0	1.0	100		
06/16/13	thru 06/22/13	100	1.0	1.0	100	1.0	1.0	100		
07/14/13	thru 07/20/13	100	1.0	1.0	100	1.0	1.0	100		
08/04/13	thru 08/10/13	100	1.0	1.0	100	1.0	1.0	100		
09/23/13	thru 09/29/13	100	1.0	1.0	100	1.0	1.0	100		
10/13/13	thru 10/19/13	100	1.0	1.0	100	1.0	1.0	100		
11/17/13	thru 11/23/13	100	1.0	1.0	100	1.0	1.0	100		
12/01/13	thru 12/07/13	100	1.0	1.0	100	1.0	1.0	100		

RP-1/RP-4 (M-002A) Effluent Monthly Toxicity Data

Table No. 4b

CHRONIC TOXICITY - SURVIVAL (<i>Ceriodaphnia Dubia</i>)					CHRONIC TOXICITY - REPRODUCTION (<i>Ceriodaphnia dubia</i>)				
START DATE	END DATE	NOEC	TUc	2-Mo Median TUc	NOEC	TUc	2-Mo Median TUc	IC ₂₅	
12/30/12	thru 01/05/13	100	1.0	1.0	100	1.0	1.0	100	
02/17/13	thru 02/23/13	100	1.0	1.0	100	1.0	1.0	100	
03/10/13	thru 03/16/13	100	1.0	1.0	100	1.0	1.0	100	
03/31/13	thru 04/07/13	100	1.0	1.0	100	1.0	1.0	100	
05/19/13	thru 05/25/13	100	1.0	1.0	100	1.0	1.0	100	
06/02/13	thru 06/08/13	100	1.0	1.0	100	1.0	1.0	100	
07/26/13	thru 08/02/13	100	1.0	1.0	100	1.0	1.0	100	
08/18/13	thru 08/24/13	100	1.0	1.0	80	1.3	1.1	100	
09/02/13	thru 09/08/13	100	1.0	1.0	100	1.0	1.1	100	
09/18/13*	thru 09/23/13	100	1.0	1.0	100	1.0	1.0	100	
10/13/13	thru 10/19/13	100	1.0	1.0	100	1.0	1.0	100	
11/10/13	thru 11/16/13	100	1.0	1.0	100	1.0	1.0	100	
12/09/13*	thru 12/14/13	100	1.0	1.0	100	1.0	1.0	100	

* MBC Laboratory

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-5 (M-003) Effluent Monthly Toxicity Data

Table No. 4c

		CHRONIC TOXICITY - SURVIVAL (<i>Ceriodaphnia Dubia</i>)				CHRONIC TOXICITY - REPRODUCTION (<i>Ceriodaphnia dubia</i>)				
START DATE	END DATE	NOEC	TUc	2-Mo Median TUc	NOEC	TUc	2-Mo Median TUc	IC ₂₅		
01/06/13	thru 01/12/13	100	1.0	1.0	100	1.0	1.0	100		
02/10/13	thru 02/15/13	100	1.0	1.0	100	1.0	1.0	100		
03/31/13	thru 04/07/13	100	1.0	1.0	100	1.0	1.0	100		
04/14/13	thru 04/20/13	100	1.0	1.0	100	1.0	1.0	100		
05/12/13	thru 05/18/13	100	1.0	1.0	100	1.0	1.0	100		
06/09/13	thru 06/15/13	100	1.0	1.0	100	1.0	1.0	100		
07/21/13	thru 07/27/13	100	1.0	1.0	100	1.0	1.0	100		
08/04/13*	thru 08/09/13	100	1.0	1.0	100	1.0	1.0	100		
09/22/13	thru 09/28/13	100	1.0	1.0	100	1.0	1.0	100		
10/06/13	thru 10/13/13	100	1.0	1.0	100	1.0	1.0	100		
11/10/13	thru 11/16/13	100	1.0	1.0	100	1.0	1.0	100		
12/01/13*	thru 12/07/13	100	1.0	1.0	100	1.0	1.0	100		

CCWRF (M-004) Effluent Monthly Toxicity Data

Table No. 4d

		CHRONIC TOXICITY - SURVIVAL (<i>Ceriodaphnia Dubia</i>)			CHRONIC TOXICITY - REPRODUCTION (<i>Ceriodaphnia dubia</i>)					
START DATE	END DATE	NOEC	TUc	2-Mo Median TUc	NOEC	TUc	2-Mo Median TUc	IC ₂₅		
01/13/13	thru 01/19/13	100	1.0	1.0	100	1.0	1.0	100		
02/24/13	thru 03/02/13	100	1.0	1.0	100	1.0	1.0	100		
03/17/13	thru 03/23/13	100	1.0	1.0	100	1.0	1.0	100		
04/14/13	thru 04/20/13	100	1.0	1.0	100	1.0	1.0	100		
05/12/13	thru 05/18/13	100	1.0	1.0	100	1.0	1.0	100		
06/02/13	thru 06/08/13	100	1.0	1.0	90	1.1	1.1	92		
06/16/13	thru 06/22/13	100	1.0	1.0	100	1.0	1.0	100		
06/30/13	thru 07/07/13				QC Failure**					
07/14/13	thru 07/20/13	100	1.0	1.0	100	1.0	1.0	100		
					No Discharge During August 2013					
					No Discharge During September 2013					
10/27/13	thru 11/02/13	100	1.0	1.0	100	1.0	1.0	100		
11/24/13	thru 11/29/13	100	1.0	1.0	100	1.0	1.0	100		
12/15/13*	thru 12/21/13	100	1.0	1.0	100	1.0	1.0	100		

* Below PMSD Test Acceptability Criteria due to low variability, test results are acceptable.

** Above PMSD Test Acceptability Criteria

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-1 (M-001A & M-001B) & RP-1/RP-4 (M-002A) Effluent Monitoring and Coliform Data

Table No. 5a

Date	001 Turbidity		002 Turbidity		001 Temp		002 Temp		001 Daily Coliform		001 7-day Median		002 Daily Coliform*		002 7-day Median		001 FLR	001 DT	001 CT	002 FLR	002 DT	002 CT
	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Max	Min	Min	Max	Min	Min
	NTU		NTU		°C		°C		MPN / 100 mL								gpm/ft ²	min	mg-min/L	gpm/ft ³	min	mg-min/L
Jan-13	0.7	0.9	0.6	0.8	22.0	22.7	21.9	22.5	<2	2	<2	2	<2	2	<2	2	3	146	656	3	135	667
Feb-13	0.5	0.8	0.5	0.7	22.8	23.6	22.0	22.5	<2	2	<2	<2	<2	2	<2	<2	3	145	560	3	158	920
Mar-13	0.6	0.7	0.5	0.6	23.8	25.2	23.3	24.2	<2	2	<2	<2	<2	2	<2	<2	4	149	593	4	147	815
Apr-13	0.6	0.8	0.5	0.6	25.0	26.4	24.4	25.4	<2	2	<2	<2	<2	2	<2	<2	3	156	590	3	176	781
May-13	0.7	1.2	0.5	0.7	26.9	27.8	26.1	27.0	<2	2	<2	<2	<2	2	<2	<2	4	137	564	4	156	693
Jun-13	0.5	0.6	0.4	0.5	28.3	29.7	27.4	27.8	<2	2	<2	<2	<2	2	<2	<2	3	151	562	3	168	804
Jul-13	0.6	0.8	0.5	0.9	29.5	29.7	28.8	29.3	<2	4	<2	<2	<2	4	<2	<2	3	150	588	3	209	891
Aug-13	0.5	0.7	0.5	0.6	29.6	30.8	29.3	30.4	<2	4	<2	<2	<2	4	<2	<2	4	139	588	4	165	697
Sep-13	0.5	0.9	0.5	0.8	29.6	30.9	29.6	30.4	<2	<2	<2	<2	<2	<2	<2	<2	4	139	599	4	143	636
Oct-13	0.6	1.2	0.6	1.0	27.6	28.7	27.5	28.7	<2	2	<2	<2	<2	2	<2	<2	4	135	574	4	156	685
Nov-13	0.6	0.8	0.5	0.8	25.8	26.8	25.6	26.5	<2	2	<2	2	<2	2	<2	2	3	148	620	3	158	780
Dec-13	0.6	0.8	0.5	1.7	23.9	25.2	23.5	24.6	<2	4	<2	<2	<2	4	<2	<2	4	142	712	4	154	829
Avg	0.6	0.8	0.5	0.8	26.2	27.3	25.8	26.6	<2	3	<2	<2	<2	3	<2	<2	4	145	602	4	160	766
Min	0.5	0.6	0.4	0.5	22.0	22.7	21.9	22.5	<2	<2	<2	<2	<2	<2	<2	<2	3	135	560	3	135	636
Max	0.7	1.2	0.6	1.7	29.6	30.9	29.6	30.4	<2	4	<2	2	<2	4	<2	2	4	156	712	4	209	920

Requirements for disinfected tertiary-treated recycled water Title 22 Compliance: Min: 450 mg/L-min CT & 90 min DT
 *Beginning August 2009, 002 effluent coliform compliance point at M-001B (splitter box).

RP-5 (M-003) & CCWRF (M-004) Effluent Monitoring and Coliform Data

Table No. 5b

Date	003 Turbidity		004 Turbidity		003 Temp		004 Temp		003 Daily Coliform		003 7-day Median		004 Daily Coliform		004 7-day Median		003 FLR	003 DT	003 CT	004 FLR	004 DT	004 CT
	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Max	Min	Min	Max	Min	Min
	NTU		NTU		°C		°C		MPN / 100 mL								gpm/ft ²	min	mg-min/L	gpm/ft ³	min	mg-min/L
Jan-13	1.4	1.8	0.5	0.9	21.7	22.0	20.6	22.0	<2	2	<2	<2	<2	4	<2	2	4	146	488	1	176	582
Feb-13	1.0	1.3	0.5	0.8	21.5	22.0	21.6	22.2	<2	<2	<2	<2	<2	2	<2	<2	4	157	497	1	175	575
Mar-13	0.7	0.9	0.4	0.6	23.3	24.2	22.9	23.7	<2	2	<2	<2	<2	<2	<2	<2	4	164	496	1	155	516
Apr-13	0.6	0.8	0.6	0.8	24.1	24.4	23.7	24.3	<2	2	<2	<2	<2	2	<2	<2	4	124	494	1	171	616
May-13	0.8	1.1	0.6	0.7	25.9	27.0	25.4	26.9	<2	<2	<2	<2	<2	<2	<2	<2	4	137	481	2	157	514
Jun-13	0.5	0.8	0.6	0.8	27.1	28.6	25.2	25.5	<2	2	<2	<2	<2	2	<2	<2	4	157	474	1	183	606
Jul-13	0.6	1.0	0.6	0.8	28.5	29.4	27.7	28.5	<2	<2	<2	<2	<2	2	<2	<2	4	169	481	1	182	487
Aug-13	0.4	0.4	0.5	0.8	28.3	29.8	-	-	<2	<2	<2	<2	<2	<2	<2	<2	4	168	526	2	186	583
Sep-13	0.6	0.7	0.6	1.0	29.0	30.4	-	-	<2	<2	<2	<2	<2	2	<2	<2	4	169	511	1	172	609
Oct-13	0.6	0.8	0.9	1.7	25.8	27.7	25.5	26.5	<2	2	<2	<2	<2	<2	<2	<2	4	165	478	1	194	761
Nov-13	0.7	0.9	0.8	1.1	24.4	24.8	24.0	25.0	<2	2	<2	<2	<2	<2	<2	<2	4	153	486	1	179	595
Dec-13	1.3	1.9	0.6	0.8	22.8	23.8	22.0	22.8	<2	2	<2	<2	<2	<2	<2	<2	4	164	486	1	177	602
Avg	0.8	1.0	0.6	0.9	25.2	26.2	23.8	24.7	<2	2	<2	<2	<2	2	<2	<2	4	156	492	1	176	587
Min	0.4	0.4	0.4	0.6	21.5	22.0	20.6	22.0	<2	<2	<2	<2	<2	<2	<2	<2	4	124	474	1	155	487
Max	1.4	1.9	0.9	1.7	29.0	30.4	27.7	28.5	<2	2	<2	<2	<2	4	<2	2	4	169	526	2	194	761

Requirements for disinfected tertiary-treated recycled water Title 22 Compliance: Min: 450 mg/L-min CT & 90 min DT

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-1 (M-001A) & RP-1/RP-4 (M-002A) Effluent and Receiving Water (R-002U & R-002D) Data

Table No. 6a

Date	M-001A Cl ₂ Residual*				M-002A Cl ₂ Residual*				Upstream Cucamonga Creek (R-002U)								Downstream Cucamonga Creek (R-002D)							
	DO		Temp		pH		TDS		TIN		Total Hardness		TSS		DO		Temp		pH		Total Hardness		TSS	
	Avg	Max	Avg	Max	Avg	Min	Avg	Max	Min	Max	Avg	Avg	Avg	Avg	Avg	Min	Avg	Max	Min	Max	Avg	Avg	Avg	
	mg/L				mg/L				°C				unit				mg/L				mg/L			
Jan-13	0.0	0.0	0.0	0.0	11.6	8.4	18.3	20.9	7.4	9.7	-	-	171	<2	12.1	9.6	20.6	22.2	7.3	8.5	144	<2		
Feb-13	0.0	0.0	0.0	0.0	12.3	10.5	20.0	22.8	8.6	8.9	222	1.9	-	-	13.9	10.7	23.1	24.6	7.5	8.6	-	-		
Mar-13	0.0	0.0	0.0	0.0	11.8	10.6	20.5	29.4	7.3	8.5	378	0.3	-	-	12.7	8.2	22.6	29.0	7.3	7.9	-	-		
Apr-13	0.0	0.0	0.0	0.0	10.6	10.0	20.3	26.9	7.1	7.6	410	2.7	186	21	12.0	7.8	23.6	27.6	7.1	7.5	159	6		
May-13	0.0	0.0	0.0	0.0	11.1	10.4	22.2	32.3	8.9	10.5	330	1.3	-	-	13.4	10.3	24.3	31.1	8.3	10.1	-	-		
Jun-13	0.0	0.0	0.0	0.0	11.0	9.4	19.6	22.3	7.5	9.3	458	2.5	-	-	9.6	7.1	22.6	25.3	7.5	8.9	-	-		
Jul-13	0.0	0.0	0.0	0.0	9.6	8.7	19.4	20.9	8.1	8.9	893	0.9	201	14	8.8	7.1	21.4	23.7	7.7	8.4	195	4		
Aug-13	0.0	0.0	0.0	0.0	9.3	8.6	19.1	22.0	8.5	8.9	342	1	-	-	7.0	6.5	22.2	23.0	8.1	8.3	-	-		
Sep-13	0.0	0.0	0.0	0.0	9.0	8.5	18.7	22.7	8.7	8.8	308	7	-	-	6.9	6.4	21.6	23.3	7.7	8.1	-	-		
Oct-13	0.0	0.0	0.0	0.0	10.4	9.5	12.8	14.6	8.6	9.1	838	8.6	236	<10	7.9	7.0	19.9	24.2	7.5	8.5	149	<10		
Nov-13	0.0	0.0	0.0	0.0	11.2	9.9	11.8	15.3	8.6	9.1	382	3.1	-	-	8.8	8.5	22.4	24.5	7.7	8.0	-	-		
Dec-13	0.0	0.0	0.0	0.0	13.1	11.9	6.6	9.7	8.4	9.1	250	2.9	-	-	8.6	8.0	20.8	22.4	7.5	7.9	-	-		
Avg	0.0	0.0	0.0	0.0	10.9	9.7	17.4	21.7	8.1	9.0	437	2.9	199	12	10.1	8.1	22.1	25.1	7.6	8.4	162	6		
Min	0.0	0.0	0.0	0.0	9.0	8.4	6.6	9.7	7.1	7.6	222	0.3	171	<2	6.9	6.4	19.9	22.2	7.1	7.5	144	<2		
Max	0.0	0.0	0.0	0.0	13.1	11.9	22.2	32.3	8.9	10.5	893	8.6	236	21	13.9	10.7	24.3	31.1	8.3	10.1	195	<10		

RP-5 (M-003) & CCWRF (M-004) Effluent and Receiving Water (R-003U, R-003D, & R-004U) Data

Table No. 6b

Date	M-003 Cl ₂ Residual*				M-004 Cl ₂ Residual*				Upstream Chino Creek (R-003U)								Downstream Chino Creek (R-003D)					Upstream Chino Creek (R-004U)																						
	DO		Temp		pH		TDS		TIN		Total Hardness		TSS		DO		Temp		pH		Total Hardness		TSS		DO		Temp		pH		TDS		TIN		Total Hardness		TSS							
	Avg	Max	Avg	Max	Avg	Min	Avg	Max	Min	Max	Avg	Avg	Avg	Avg	Avg	Min	Avg	Max	Min	Max	Avg	Avg	Avg	Avg	Avg	Min	Avg	Max	Min	Max	Avg	Avg	Avg	Avg										
	mg/L				mg/L				°C				unit				mg/L				mg/L				mg/L				°C				unit				mg/L				mg/L			
Jan-13	0.0	0.0	0.0	0.0	10.6	7.5	20.6	22.1	7.6	8.0	-	-	182	<2	7.9	7.7	18.1	19.2	9.0	9.6	-	-	14.4	7.5	16.4	22.0	7.6	9.4	876	3.9	511	4												
Feb-13	0.0	0.0	0.0	0.0	9.8	8.6	21.3	22.1	7.7	8.0	533	3.7	-	-	8.1	7.8	19.0	20.2	9.4	9.7	-	-	15.9	15.2	20.8	25.9	8.8	10.2	716	6.0	-	-												
Mar-13	0.0	0.0	0.0	0.0	10.1	9.4	23.0	24.1	7.8	8.1	524	4.6	-	-	7.8	7.7	20.1	21.8	9.0	9.5	-	-	15.8	14.7	23.9	29.4	9.2	10.1	666	2.9	-	-												
Apr-13	0.0	0.0	0.0	0.0	9.7	8.1	23.9	24.5	7.8	8.8	550	5.8	186	3	7.5	7.0	20.7	21.6	7.9	9.3	247	10	10.8	7.2	23.1	27.5	7.3	9.3	888	3.1	484	15												
May-13	0.0	0.0	0.0	0.0	8.9	7.2	25.5	26.9	7.7	9.2	552	5.8	-	-	6.9	6.6	23.0	24.2	9.4	9.9	-	-	13.1	11.1	27.2	34.9	8.2	10.8	714	1.4	-	-												
Jun-13	0.0	0.0	0.0	0.0	7.9	6.7	25.0	25.7	7.6	8.0	572	4.9	-	-	6.8	6.5	24.6	25.3	9.5	9.7	-	-	11.8	8.8	19.7	20.4	8.2	8.9	942	1.3	-	-												
Jul-13	0.0	0.0	0.0	0.0	9.0	7.4	27.4	29.7	7.5	9.0	564	4.1	185	-	6.2	5.7	25.0	26.0	9.1	10.0	328	-	13.1	10.0	24.7	30.3	8.6	10.2	856	0.6	431	-												
Aug-13	0.0	0.0	0.0	0.0	10.3	9.5	29.3	34.4	6.7	9.8	694	1.3	-	-	6.7	6.5	24.3	28.0	9.4	9.9	-	-	10.1	9.1	26.1	34.6	6.7	6.9	738	0.9	-	-												
Sep-13	0.0	0.0	0.0	0.0	12.4	11.2	28.6	33.8	7.1	9.9	508	3.7	-	-	6.5	6.2	24.6	28.4	9.6	10.1	-	-	12.9	11.5	29.4	34.8	7.2	10.0	658	2.6	-	-												
Oct-13	0.0	0.0	0.0	0.0	10.8	7.9	22.6	26.8	7.9	10.4	624	3.1	291	6	6.7	6.4	20.9	22.2	9.5	10.5	296	12	12.4	7.4	22.2	28.8	8.2	10.2	594	2.0	326	13												
Nov-13	0.0	0.0	0.0	0.0	9.5	8.1	23.7	24.6	7.6	8.4	538	4.5	-	-	7.1	7.0	21.0	21.7	9.4	10.3	-	-	13.6	11.0	19.8	25.9	8.3	9.9	600	5.3	-	-												
Dec-13	0.0	0.0	0.0	0.0	9.1	8.1	21.8	22.9	7.7	7.9	526	5	-	-	7.5	7.0	19.0	20.1	8.6	9.6	-	-	15.2	10.3	17.7	23.9	8.0	10.6	610	3.1	-	-												
Avg	0.0	0.0	0.0	0.0	9.8	8.3	24.4	26.5	7.5	8.8	562	4.2	211	4	7.1	6.8	21.7	23.2	9.1	9.8	290	11	13.3	10.3	22.6	28.2	8.0	9.7	738	2.8	438	11												
Min	0.0	0.0	0.0	0.0	7.9	6.7	20.6	22.1	6.7	7.9	508	1.3	182	<2	6.2	5.7	18.1	19.2	7.9	9.3	247	10	10.1	7.2	16.4	20.4	6.7	6.9	594	0.6	326	4												
Max	0.0	0.0	0.0	0.0	12.4	11.2	29.3	34.4	7.9	10.4	694	5.8	291	6	8.1	7.8	25.0	28.4	9.6	10.5	328	12	15.9	15.2	29.4	34.9	9.2	10.8	942	6.0	511	15												

* A chlorine residual of 0.0 mg/L signifies a positive sodium bisulfite residual and a negative chlorine residual.

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-1 (REC-001) & RP-4 (REC-002) Recycled Water Data

Table No. 7a

Date	REC-001											REC-002										
	Flow	pH	Turbidity	CT	Daily Coliform		7-day Median		BOD	TSS	TDS	Flow	pH	Turbidity	CT	Daily Coliform		7-day Median		BOD	TSS	TDS
	Avg	Avg	Avg	Min	Avg	Max	Avg	Max	Avg	Avg	Avg	Avg	Avg	Avg	Min	Avg	Max	Avg	Max	Avg	Avg	Avg
	mgd	unit	NTU	mg-min/L	MPN / 100 mL				mg/L			mgd	unit	NTU	mg-min/L	MPN / 100 mL				mg/L		
Jan-13	10.8	7.2	0.7	656	<2	2	<2	2	<2	<2	476	8.0	7.0	0.5	880	<2	<2	<2	<2	<2	<2	453
Feb-13	12.6	7.1	0.5	560	<2	2	<2	<2	<2	<2	481	7.7	7.0	0.5	740	<2	<2	<2	<2	<2	<2	428
Mar-13	16.8	7.2	0.6	593	<2	2	<2	<2	<2	<2	480	8.4	7.0	0.6	858	<2	<2	<2	<2	<2	<2	463
Apr-13	18.3	7.2	0.6	590	<2	2	<2	<2	<2	<2	487	9.6	7.1	0.6	551	<2	<2	<2	<2	<2	<2	457
May-13	17.6	7.1	0.7	564	<2	2	<2	<2	<2	<2	493	9.9	7.1	0.8	641	<2	<2	<2	<2	<2	<2	450
Jun-13	19.9	7.2	0.5	562	<2	2	<2	<2	<2	<2	496	10.6	7.1	0.7	460	<2	<2	<2	<2	<2	<2	471
Jul-13	19.7	7.3	0.6	588	<2	4	<2	<2	<2	<2	494	10.7	7.1	0.5	577	<2	<2	<2	<2	<2	<2	447
Aug-13	21.3	7.0	0.5	588	<2	4	<2	<2	<2	<2	487	9.9	7.3	0.4	634	<2	<2	<2	<2	<2	<2	445
Sep-13	21.3	7.1	0.5	599	<2	<2	<2	<2	<2	<2	490	10.0	7.1	0.5	663	<2	<2	<2	<2	<2	<2	463
Oct-13	16.4	7.1	0.6	574	<2	2	<2	<2	<2	<2	476	5.4	7.1	0.5	790	<2	<2	<2	<2	<2	<2	459
Nov-13	15.4	7.1	0.6	620	<2	2	<2	2	<2	<2	490	6.7	7.0	0.6	789	<2	<2	<2	<2	<2	<2	459
Dec-13	13.0	7.1	0.6	712	<2	4	<2	<2	<2	<2	499	8.6	7.0	0.6	725	<2	<2	<2	<2	<2	<2	492
Avg	16.9	7.1	0.6	601	<2	3	<2	<2	<2	<2	487	8.8	7.1	0.6	695	<2	<2	<2	<2	<2	<2	457
Min	10.8	7.0	0.5	560	<2	<2	<2	<2	<2	<2	476	5.4	7.0	0.4	460	<2	<2	<2	<2	<2	<2	428
Max	21.3	7.3	0.7	712	<2	4	<2	2	<2	<2	499	10.7	7.3	0.8	880	<2	<2	<2	<2	<2	<2	492

RP-5 (REC-003) & CCWRF (REC-004) Recycled Water Data

Table No. 7b

Date	REC-003											REC-004										
	Flow	pH	Turbidity	CT	Daily Coliform		7-day Median		BOD	TSS	TDS	Flow	pH	Turbidity	CT	Daily Coliform		7-day Median		BOD	TSS	TDS
	Avg	Avg	Avg	Min	Avg	Max	Avg	Max	Avg	Avg	Avg	Avg	Avg	Avg	Min	Avg	Max	Avg	Max	Avg	Avg	Avg
	mgd	unit	NTU	mg-min/L	MPN / 100 mL				mg/L			mgd	unit	NTU	mg-min/L	MPN / 100 mL				mg/L		
Jan-13	0.0	7.3	1.4	488	<2	2	<2	<2	<2	3		1.0	7.0	0.5	582	<2	4	<2	2	<2	<2	525
Feb-13	0.0	7.3	1.0	497	<2	<2	<2	<2	<2	<2		0.8	7.0	0.5	575	<2	2	<2	<2	<2	<2	508
Mar-13	4.3	7.1	0.7	496	<2	2	<2	<2	<2	<2	508	0.8	7.0	0.4	516	<2	<2	<2	<2	<2	<2	504
Apr-13	6.5	7.0	0.6	484	<2	2	<2	<2	<2	<2	516	0.0	7.0	0.6	616	<2	2	<2	<2	<2	<2	
May-13	6.9	7.0	0.8	481	<2	<2	<2	<2	<2	<2	522	0.2	7.0	0.6	514	<2	<2	<2	<2	<2	<2	512
Jun-13	7.4	7.1	0.5	474	<2	2	<2	<2	<2	<2	513	3.7	7.0	0.6	606	<2	2	<2	<2	<2	<2	524
Jul-13	7.8	7.1	0.6	481	<2	<2	<2	<2	<2	<2	518	4.4	6.9	0.6	487	<2	2	<2	<2	<2	<2	530
Aug-13	7.3	7.1	0.4	526	<2	<2	<2	<2	<2	<2	538	5.5	7.0	0.5	583	<2	<2	<2	<2	<2	<2	531
Sep-13	7.1	7.1	0.6	511	<2	<2	<2	<2	<2	<2	531	5.7	7.0	0.6	609	<2	2	<2	<2	<2	<2	528
Oct-13	5.1	7.0	0.6	478	<2	2	<2	<2	<2	<2	524	4.8	7.0	0.9	761	<2	<2	<2	<2	<2	<2	530
Nov-13	4.7	6.9	0.7	486	<2	2	<2	<2	<2	<2	525	0.0	6.8	0.8	595	<2	<2	<2	<2	<2	<2	
Dec-13	4.4	6.8	1.3	486	<2	2	<2	<2	<2	<2	507	0.0	6.8	0.6	602	<2	<2	<2	<2	<2	<2	
Avg	5.1	7.1	0.8	489	<2	2	<2	<2	<2	<2	520	2.2	7.0	0.6	585	<2	2	<2	<2	<2	<2	521
Min	0.0	6.8	0.4	474	<2	<2	<2	<2	<2	<2	507	0.0	6.8	0.4	487	<2	<2	<2	<2	<2	<2	504
Max	7.8	7.3	1.4	526	<2	2	<2	<2	<2	3	538	5.7	7.0	0.9	761	<2	4	<2	2	<2	<2	531

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-1 (M-001B) Effluent Monthly Inorganic & Organic Data

Table No. 8a

	Total Hardness	HCO ₃ ²⁻	B	Ca	CO ₃ ²⁻	Cl	F	Mg	Na	SO ₄	Cd, TR	Cr, Total	Cu, TR	Pb, TR	Hg, TR	Se, TR	Ag, TR	Zn, TR	Bis(2-ethylhexyl) phthalate	Bromodi-chloromethane	CN, Free*
Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Limits																4.1 mo avg; 8.2 max daily			5.9 mo avg; 11.9 max daily		4.2 mo avg; 8.5 max daily
Jan-13	144	145	0.2	41	0	114	0.2	10	99	41	<0.25	1.0	2	<0.5	<0.05	<2	<0.25	27	<2	17	<2
Feb-13	149	139	0.2	43	0	116	0.2	10	100	45	<0.25	0.8	2	<0.5	<0.05	<2	<0.25	29	<2		<2
Mar-13	151	134	0.3	44	0	114	0.2	10	102	50	<0.25	0.8	2	<0.5	<0.05	<2	<0.25	30	<2		<2
Apr-13	153	143	0.3	44	0	111	0.2	10	106	51	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	26	<2	16	<2
May-13	162	137	0.3	47	0	121	0.2	11	110	52	<0.25	0.9	3	<0.5	<0.05	<2	<0.25	22	<2		<2
Jun-13	157	142	0.3	46	0	121	0.3	10	106	51	<0.25	0.8	3	<0.5	<0.05	<2	<0.25	18	<2		<2
Jul-13	148	144	0.2	43	0	121	0.2	10	106	51	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	17	<2	35	<2
Aug-13	155	137	0.2	46	0	111	0.2	10	105	49	<0.25	1.2	2	<0.5	<0.05	<2	<0.25	23	<2		<2
Sep-13	141	134	0.2	40	0	114	0.2	10	99	44	<0.25	1.0	2	<0.5	<0.05	<2	<0.25	17	<2		<2
Oct-13	149	144	0.2	43	0	110	0.2	10	101	42	<0.25	0.8	2	<0.5	<0.05	<2	<0.25	19	<2	30	<2
Nov-13	157	132	0.2	45	0	114	0.2	11	105	45	<0.25	1.0	2	<0.5	<0.05	<2	<0.25	18	<2		<2
Dec-13	155	121	0.2	46	0	116	0.3	10	105	44	<0.25	2.2	3	<0.5	<0.05	<2	<0.25	25	<2		<2
Avg	152	138	0.2	44	0	115	0.2	10	104	47	<0.25	1.0	2	<0.5	<0.05	<2	<0.25	23	<2	25	<2
Min	141	121	0.2	40	0	110	0.2	10	99	41	<0.25	0.8	2	<0.5	<0.05	<2	<0.25	17	<2	16	<2
Max	162	145	0.3	47	0	121	0.3	11	110	52	<0.25	2.2	3	<0.5	<0.05	<2	<0.25	30	<2	35	<2

RP-1/RP-4 (M-002A) Effluent Monthly Inorganic & Organic Data

Table No. 8b

	Total Hardness	HCO ₃ ²⁻	B	Ca	CO ₃ ²⁻	Cl	F	Mg	Na	SO ₄	Cd, TR	Cr, Total	Cu, TR	Pb, TR	Hg, TR	Se, TR	Ag, TR	Zn, TR	Bis(2-ethylhexyl) phthalate	Bromodi-chloromethane	CN, Free*
Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Limits																4.1 mo avg; 8.2 max daily			5.9 mo avg; 11.9 max daily		4.2 mo avg; 8.5 max daily
Jan-13	144	143	0.2	41	0	112	0.2	10	101	52	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	26	<2	17	<2
Feb-13	153	131	0.3	44	0	117	0.2	11	106	60	<0.25	0.8	3	<0.5	<0.05	<2	<0.25	29	<2		<2
Mar-13	153	128	0.3	44	0	115	0.2	10	109	64	<0.25	0.8	2	<0.5	<0.05	<2	<0.25	30	<2		<2
Apr-13	154	131	0.3	45	0	112	0.2	10	119	69	<0.25	0.8	2	<0.5	<0.05	<2	<0.25	27	<2	19	<2
May-13	161	136	0.3	46	0	121	0.2	11	117	66	<0.25	0.8	2	<0.5	<0.05	<2	<0.25	22	<2		3
Jun-13	158	138	0.3	47	0	121	0.3	10	116	66	<0.25	0.9	3	<0.5	<0.05	<2	<0.25	18	<2		<2
Jul-13	149	136	0.2	44	0	122	0.2	10	117	80	<0.25	1.0	2	<0.5	<0.05	<2	<0.25	16	<2	24	<2
Aug-13	157	133	0.2	46	0	111	0.2	10	113	63	<0.25	1.1	2	<0.5	<0.05	<2	<0.25	24	<2		2
Sep-13	144	130	0.2	41	0	116	0.2	10	107	57	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	18	<2		<2
Oct-13	145	139	0.2	42	0	112	0.2	10	103	57	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	20	<2	21	<2
Nov-13	154	122	0.2	44	0	116	0.2	10	110	66	<0.25	1.0	2	<0.5	<0.05	<2	<0.25	19	<2		<2
Dec-13	152	122	0.2	45	0	114	0.3	10	107	58	<0.25	1.6	3	<0.5	<0.05	<2	<0.25	24	<2		<2
Avg	152	132	0.2	44	0	116	0.2	10	110	63	<0.25	1.0	2	<0.5	<0.05	<2	<0.25	23	<2	20	<2
Min	144	122	0.2	41	0	111	0.2	10	101	52	<0.25	0.8	2	<0.5	<0.05	<2	<0.25	16	<2	17	<2
Max	161	143	0.3	47	0	122	0.3	11	119	80	<0.25	1.6	3	<0.5	<0.05	<2	<0.25	30	<2	24	3

*Free Cyanide is analyzed using ASTM-D7237 for analysis of aquatic free cyanide in accordance with R8-2009-0021

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-5 (M-003) Effluent Monthly Inorganic Data

Table No. 8c

	Total Hardness	HCO ₃ ²⁻	B	Ca	CO ₃ ²⁻	Cl	F	Mg	Na	SO ₄	Cd, TR	Cr, Total	Cu, TR	Pb, TR	Hg, TR	Se, TR	Ag, TR	Zn, TR	Bis(2-ethylhexyl) phthalate	Bromodi-chloromethane	CN, Free*
Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Limits																			5.9 mo avg; 11.9 max daily	46 mo avg; 92 max daily	4.6 mo avg; 7.3 max daily
Jan-13	188	154	0.3	56	0	134	0.2	12	97	52	<0.25	1.1	7	<0.5	<0.05	<2	<0.25	54	<2	15	<2
Feb-13	201	149	0.3	60	0	133	0.2	13	103	55	<0.25	1.1	6	<0.5	<0.05	<2	<0.25	53	<2	22	<2
Mar-13	196	150	0.3	58	0	124	0.2	12	99	56	<0.25	1.0	9	<0.5	<0.05	<2	<0.25	47	<2	18	<2
Apr-13	201	151	0.3	59	0	136	0.2	13	111	63	<0.25	0.9	7	<0.5	<0.05	<2	<0.25	58	<2	22	<2
May-13	186	139	0.3	54	0	132	0.2	13	109	63	<0.25	0.9	5	<0.5	<0.05	<2	<0.25	37	<2	22	<2
Jun-13	197	140	0.3	58	0	136	0.2	13	108	60	<0.25	0.9	6	<0.5	<0.05	<2	<0.25	35	<2	28	<2
Jul-13	182	131	0.3	54	0	145	0.2	12	115	79	<0.25	1.1	6	<0.5	<0.05	<2	<0.25	39	<2	28	<2*
Aug-13	199	134	0.3	59	0	142	0.1	13	117	65	<0.25	1.0	7	<0.5	<0.05	<2	<0.25	45	<2	23	<2
Sep-13	201	137	0.3	58	0	142	0.2	14	110	58	<0.25	1.0	8	<0.5	<0.05	<2	<0.25	46	<2	20	<2
Oct-13	194	136	0.2	56	0	147	0.2	13	107	60	<0.25	0.9	9	<0.5	<0.05	<2	<0.25	46	<2	25	<2
Nov-13	196	139	0.3	57	0	141	0.2	13	111	58	0.28	1.0	10	<0.5	<0.05	<2	<0.25	48	<2	30	<2
Dec-13	195	134	0.2	58	0	142	0.3	12	103	52	<0.25	1.7	9	<0.5	<0.05	<2	<0.25	46	<2	21	<2
Avg	195	141	0.3	57	0	138	0.2	13	108	60	<0.25	1.1	7	<0.5	<0.05	<2	<0.25	46	<2	23	<2
Min	182	131	0.2	54	0	124	0.1	12	97	52	<0.25	0.9	5	<0.5	<0.05	<2	<0.25	35	<2	15	<2
Max	201	154	0.3	60	0	147	0.3	14	117	79	0.28	1.7	10	<0.5	<0.05	<2	<0.25	58	<2	30	<2

CCWRF (M-004) Effluent Monthly Inorganic Data

Table No. 8d

	Total Hardness	HCO ₃ ²⁻	B	Ca	CO ₃ ²⁻	Cl	F	Mg	Na	SO ₄	Cd, TR	Cr, Total	Cu, TR	Pb, TR	Hg, TR	Se, TR	Ag, TR	Zn, TR	Bis(2-ethylhexyl) phthalate	Bromodi-chloromethane	CN, Free*	
Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Limits																			5.9 mo avg; 11.9 max daily		4.3 mo avg; 8.5 max daily	
Jan-13	189	146	0.2	55	0	138	0.2	13	105	60	<0.25	1.0	7	<0.5	<0.05	<2	<0.25	57	<2	31	<2	
Feb-13	194	148	0.3	56	0	136	0.2	13	112	62	<0.25	1.0	7	<0.5	<0.05	<2	<0.25	57	<2		<2	
Mar-13	184	151	0.2	55	0	129	0.2	12	111	64	<0.25	0.9	6	<0.5	<0.05	<2	<0.25	49	<2		<2	
Apr-13	188	133	0.3	55	0	152	0.2	12	107	71	<0.25	0.8	7	<0.5	<0.05	<2	<0.25	43	<2	32	<2	
May-13	181	136	0.3	50	0	144	0.2	14	124	73	<0.25	0.7	7	<0.5	<0.05	<2	<0.25	46	<2		<2	
Jun-13	178	137	0.3	51	0	143	0.2	12	116	71	<0.25	0.9	6	<0.5	<0.05	<2	<0.25	36	<2		<2	
Jul-13	170	134	0.3	48	0	150	0.2	12	113	65	<0.25	0.9	6	<0.5	<0.05	<2	<0.25	36	<2	53	<2	
Aug-13																						
Sep-13																						
Oct-13	180	125	0.3	51	0	154	0.2	13	115	60	<0.25	0.8	6	<0.5	<0.05	<2	<0.25	22	<2	40	<2	
Nov-13	185	136	0.2	53	0	148	0.2	13	117	60	<0.25	0.9	6	<0.5	<0.05	<2	<0.25	29	<2		<2	
Dec-13	178	124	0.2	52	0	151	0.2	12	110	57	<0.25	1.6	7	<0.5	<0.05	<2	<0.25	36	<2		<2	
Avg	183	137	0.3	53	0	145	0.2	13	113	64	<0.25	1.0	6	<0.5	<0.05	<2	<0.25	41	<2	39	<2	
Min	170	124	0.2	48	0	129	0.2	12	105	57	<0.25	0.7	6	<0.5	<0.05	<2	<0.25	22	<2	31	<2	
Max	194	151	0.3	56	0	154	0.2	14	124	73	<0.25	1.6	7	<0.5	<0.05	<2	<0.25	57	<2	53	<2	

*Free Cyanide is analyzed using ASTM-D7237 for analysis of aquatic free cyanide in accordance with R8-2009-0021

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-1 (M-001B) Effluent Quarterly Data

Table No. 9a

RP-1/RP-4 (M-002A) Effluent Quarterly Data

Table No. 9b

	Al, TR	Sb, TR	As, TR	Ba, TR	Co, TR	Ni, TR
Date	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-13	27	<1	<2	9	<1	2
Feb-13	27	<1	<2	14	<1	2
Mar-13	<25	<1	<2	12	<1	3
Apr-13	<25	<1	<2	14	<1	3
May-13	<25	<1	<2	11	<1	3
Jun-13	<25	<1	<2	9	<1	3
Jul-13	<25	<1	<2	14	<1	3
Aug-13	26	<1	<2	9	<1	4
Sep-13	<25	<1	<2	10	<1	3
Oct-13	34	<1	<2	10	<1	3
Nov-13	31	<1	<2	13	<1	2
Dec-13	33	<1	<2	14	<1	11
Avg	27	<1	<2	12	<1	4
Min	<25	<1	<2	9	<1	2
Max	34	<1	<2	14	<1	11

	Al, TR	Sb, TR	As, TR	Ba, TR	Co, TR	Ni, TR
Date	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-13	27	<1	<2	9	<1	2
Feb-13	26	<1	<2	14	<1	2
Mar-13	<25	<1	<2	12	<1	3
Apr-13	<25	<1	<2	15	<1	3
May-13	<25	<1	<2	11	<1	3
Jun-13	<25	<1	<2	9	<1	3
Jul-13	<25	<1	<2	14	<1	3
Aug-13	29	<1	<2	8	<1	4
Sep-13	<25	<1	<2	10	<1	3
Oct-13	34	<1	<2	10	<1	3
Nov-13	31	<1	<2	12	<1	2
Dec-13	34	<1	<2	14	<1	2
Avg	28	<1	<2	12	<1	3
Min	<25	<1	<2	8	<1	2
Max	34	<1	<2	15	<1	4

RP-5 (M-003) Effluent Quarterly Data

Table No. 9c

CCWRF (M-004) Effluent Quarterly Data

Table No. 9d

	Al, TR	Sb, TR	As, TR	Ba, TR	Co, TR	Ni, TR
Date	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-13	<25	<1	<2	41	<1	3
Feb-13	<25	<1	<2	21	<1	3
Mar-13	<25	<1	<2	19	<1	6
Apr-13	<25	<1	<2	53	<1	3
May-13	<25	<1	<2	22	<1	3
Jun-13	<25	<1	<2	24	<1	3
Jul-13	<25	<1	<2	28	<1	3
Aug-13	<25	<1	<2	28	<1	3
Sep-13	<25	<1	<2	34	<1	3
Oct-13	<25	<1	<2	27	<1	3
Nov-13	<25	<1	<2	31	<1	3
Dec-13	34	<1	<2	30	<1	3
Avg	<26	<1	<2	30	<1	3
Min	<25	<1	<2	19	<1	3
Max	34	<1	<2	53	<1	6

	Al, TR	Sb, TR	As, TR	Ba, TR	Co, TR	Ni, TR
Date	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-13	41	<1	<2	17	<1	3
Feb-13	59	<1	<2	16	<1	3
Mar-13	<25	<1	<2	18	<1	8
Apr-13	38	<1	<2	19	<1	3
May-13	56	<1	<2	15	<1	3
Jun-13	32	<1	<2	16	<1	3
Jul-13	30	<1	<2	15	<1	3
Aug-13						
Sep-13						
Oct-13	<25	<1	<2	12	<1	3
Nov-13	26	<1	<2	15	<1	2
Dec-13	<25	<1	<2	16	<1	2
Avg	36	<1	<2	16	<1	3
Min	<25	<1	<2	12	<1	2
Max	59	<1	<2	19	<1	8

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

Table No. 10

Mo-Yr	Discharged Eff Flow			TIN						Agency-wide TIN				
	RP1/RP4	RP5	CC	RP1/RP4		RP5		CC		Discharge		Limit		12-MRA
	MGD			mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	flow wt.	total	flow wt.	total	flow-wt.
										mg/L	lbs/day	mg/L	lbs/day	mg/L
Jan-13	14.8	9.5	6.1	6.7	830	5.1	400	6.0	310	6.1	1,540	8	5,338	5.9
Feb-13	13.4	9.6	6.5	7.3	810	7.0	570	5.3	290	6.8	1,670	8	5,338	5.9
Mar-13	9.1	4.6	6.1	7.1	540	6.3	240	4.5	230	6.1	1,010	8	5,338	5.9
Apr-13	4.9	3.1	7.4	7.2	290	6.9	180	5.6	350	6.4	820	8	5,338	5.8
May-13	6.5	2.6	6.7	7.6	410	7.0	150	4.9	280	6.4	840	8	5,338	5.8
Jun-13	5.5	1.2	2.1	6.1	280	6.8	70	4.4	80	5.8	430	8	5,338	5.8
Jul-13	4.5	0.8	1.7	6.0	230	6.3	40	4.1	60	5.6	330	8	5,338	5.8
Aug-13	3.8	1.5	0.0	6.9	220	6.8	80	4.3	0	6.9	300	8	5,338	6.0
Sep-13	4.5	1.6	0.0	7.5	280	6.7	90	4.2	0	7.3	370	8	5,338	6.2
Oct-13	8.4	3.3	0.9	7.9	560	7.0	190	4.7	40	7.4	790	8	5,338	6.4
Nov-13	9.7	4.2	5.8	8.3	670	6.9	240	4.0	190	6.7	1,100	8	5,338	6.4
Dec-13	11.4	4.3	6.1	9.4	890	6.6	240	5.0	250	7.6	1,380	8	5,338	6.6
Avg	8.1	3.9	4.1	7.3	500	6.6	210	4.8	170	6.6	880	8	5,338	6.0
Min	3.8	0.8	0.0	6.0	220	5.1	40	4.0	0	5.6	300	8	5,338	5.8
Max	14.8	9.6	7.4	9.4	890	7.0	570	6.0	350	7.6	1,670	8	5,338	6.6

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

Agency-wide TDS 12-Month Running Averages

Table No. 11

Mo-Yr	Flows								Total Dissolved Solids (TDS)								Agency-wide TDS				
	RP-1		RP-4		RP-5		CC		RP-1		RP-4		RP-5		CC		Discharge		Limit		12-MRA
	001 ¹	RW	002	RW	RP-5	RW	CC	RW	001	RW ²	002	RW	RP-5	RW ²	CC	RW ²	flow wt.	total	flow wt.	total	flow wt.
	MGD								mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	lbs/day	lbs/day	mg/L
Jan-13	3.4	10.8	11.4	8.0	9.5	0.0	6.1	1.0	504	476	495	453	517	NA	544	525	495	229,550	550	366,960	484
Feb-13	1.9	12.6	11.5	7.7	9.6	0.0	6.5	0.8	512	481	491	428	523	NA	525	508	490	231,530	550	366,960	486
Mar-13	1.6	16.8	7.6	8.4	4.6	4.3	6.1	0.8	511	480	496	463	528	508	526	504	493	228,360	550	366,960	485
Apr-13	1.9	18.3	3.0	9.6	3.1	6.5	7.4	0.0	542	487	505	457	536	516	554	NA	501	208,550	550	366,960	486
May-13	1.6	17.6	4.9	9.9	2.6	6.9	6.7	0.2	549	493	516	450	540	522	554	512	503	238,810	550	366,960	487
Jun-13	2.2	19.9	3.2	10.6	1.2	7.4	2.1	3.7	543	496	516	471	549	513	546	524	502	203,940	550	366,960	488
Jul-13	1.8	19.7	2.8	10.7	0.8	7.8	1.7	4.4	538	494	517	447	555	518	545	530	496	193,450	550	366,960	490
Aug-13	1.6	21.3	2.3	9.9	1.5	7.3	0.0	5.5	546	487	509	445	574	538	NA	531	496	179,570	550	366,960	493
Sep-13	2.1	21.3	2.4	10.0	1.6	7.1	0.0	5.7	530	490	513	463	549	531	NA	528	499	183,630	550	366,960	495
Oct-13	3.1	16.4	5.4	9.0	3.3	5.1	0.9	4.8	517	476	496	459	570	524	532	530	496	181,270	550	366,960	496
Nov-13	2.9	15.4	6.9	9.2	4.2	4.7	5.8	0.0	530	490	520	476	541	525	538	NA	507	207,260	550	366,960	497
Dec-13	2.7	13.0	8.7	8.5	4.3	4.4	6.1	0.0	521	499	518	492	530	507	538	NA	511	203,540	550	366,960	499
Avg	2.2	16.9	5.8	9.3	3.9	5.1	4.1	2.2	528	487	508	458	542	520	540	521	499	207,460	550	366,960	490
Min	1.6	10.8	2.3	7.7	0.8	0.0	0.0	0.0	504	476	491	428	517	507	525	504	490	179,570	550	366,960	484
Max	3.4	21.3	11.5	10.7	9.6	7.8	7.4	5.7	549	499	520	492	574	538	554	531	511	238,810	550	366,960	499

NOTES: ¹ Prior to April 2010, 001 effluent flow included recycled water flow.

² Flow and TDS added to flow-weight for RP-1, RP-5, and CCWRF recycled water (May 2010)

NA: Not Analyzed, due to no discharge

APPENDIX B

TABLES NO. 12 THROUGH NO. 26 INFLUENT, EFFLUENT, & RECEIVING WATER - EPA PRIORITY POLLUTANTS DATA

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-1 (M-001B) Effluent Remaining Priority Pollutants

Table 18a

RP-1 (M-001B) Effluent Remaining Priority Pollutant Metals, µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
Beryllium (Be)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium (Tl)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

RP-1 (M-001B) Effluent Volatile Organics (EPA Methods 624, 601/602), µg/L

1,1,1-Trichloroethane				<1									<1
1,1,2,2-Tetrachloroethane				<0.5									<0.5
1,1,2-Trichloroethane				<1									<1
1,1-Dichloroethane				<0.5									<0.5
1,1-Dichloroethene				<1									<1
1,2-Dichlorobenzene				<1									<1
1,2-Dichloroethane				<1									<1
1,2-Dichloropropane				<0.5									<0.5
1,3-Dichlorobenzene				<1									<1
1,4-Dichlorobenzene				<1									<1
2-Chloroethyl vinyl ether				<1									<1
Benzene				<1									<1
Bromodichloromethane				16									16
Bromoform				<1									<1
Bromomethane				<1									<1
Carbon tetrachloride				<1									<1
Chlorobenzene				<1									<1
Chloroethane				<1									<1
Chloroform				46									46
Chloromethane				<1									<1
cis-1,3-Dichloropropene				<1									<1
Dibromochloromethane				4									4
Ethylbenzene				<1									<1
Methylene chloride				<1									<1
Tetrachloroethene				<1									<1
Toluene				<1									<1
trans-1,2-Dichloroethene				<0.5									<0.5
trans-1,3-Dichloropropene				<1									<1
Trichloroethene				<1									<1
Trichlorofluoromethane				<2									<2
Vinyl chloride				<1									<1
Acrolein				<2									<2
Acrylonitrile				<2									<2

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-1 (M-001B) Effluent Remaining Priority Pollutants

Table 18b

RP-1 (M-001B) Effluent Base/Neutral and Acid Extractibles (EPA Method 625), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
1,2,4-Trichlorobenzene				<1									<1
1,2-Dichlorobenzene				<1									<1
1,3-Dichlorobenzene				<1									<1
1,4-Dichlorobenzene				<1									<1
2,4,6-Trichlorophenol				<1									<1
2,4-Dichlorophenol				<2									<2
2,4-Dimethylphenol				<1									<1
2,4-Dinitrophenol				<3									<3
2,4-Dinitrotoluene				<1									<1
2,6-Dinitrotoluene				<2									<2
2-Chloronaphthalene				<1									<1
2-Chlorophenol				<1									<1
2-Methyl-4,6-dinitrophenol				<2									<2
2-Nitrophenol				<1									<1
3,3-Dichlorobenzidine				<5									<5
4-Bromophenyl phenyl ether				<1									<1
4-Chloro-3-methylphenol				<1									<1
4-Chlorophenyl phenyl ether				<1									<1
4-Nitrophenol				<3									<3
Acenaphthene				<1									<1
Acenaphthylene				<1									<1
Anthracene				<1									<1
Azobenzene				<1									<1
Benzidine				<5									<5
Benzo(a)anthracene				<5									<5
Benzo(a)pyrene				<1									<1
Benzo(b)fluoranthene				<1									<1
Benzo(g,h,i)perylene				<2									<2
Benzo(k)fluoranthene				<1									<1
Bis(2-chloroethoxy)methane				<2									<2
Bis(2-chloroethyl)ether				<1									<1
Bis(2-chloroisopropyl)ether				<1									<1
Bis(2-ethylhexyl)phthalate	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl benzyl phthalate				<1									<1
Chrysene				<1									<1
Dibenzo(a,h)anthracene				<1									<1
Diethyl phthalate				<2									<2
Dimethyl phthalate				<1									<1
Di-n-butyl phthalate				<1									<1
Di-n-octyl phthalate				<1									<1
Fluoranthene				<1									<1
Fluorene				<1									<1
Hexachlorobenzene				<1									<1
Hexachlorobutadiene				<1									<1
Hexachlorocyclopentadiene				<5									<5
Hexachloroethane				<1									<1
Indeno(1,2,3-cd)pyrene				<2									<2
Isophorone				<1									<1
Naphthalene				<1									<1
Nitrobenzene				<1									<1
N-Nitrosodimethylamine				<1									<1
N-Nitroso-di-n-propylamine				<1									<1
N-Nitrosodiphenylamine				<1									<1
Pentachlorophenol				<2									<2
Phenanthrene				<1									<1
Phenol				<1									<1
Pyrene				<1									<1

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-1 (M-001B) Effluent Remaining Priority Pollutants

Table 18c

RP-1 (M-001B) Effluent Pesticides (EPA Method 608), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
4,4-DDD				<0.006									<0.006
4,4-DDE				<0.006									<0.006
4,4-DDT				<0.008									<0.008
Aldrin				<0.004									<0.004
Alpha-BHC				<0.008									<0.008
Beta-BHC				<0.005									<0.005
Delta-BHC				<0.007									<0.007
Dieldrin				<0.006									<0.006
Endosulfan I				<0.01									<0.01
Endosulfan II				<0.007									<0.007
Endosulfan Sulfate				<0.009									<0.009
Endrin				<0.009									<0.009
Endrin aldehyde				<0.006									<0.006
Gamma-BHC				<0.01									<0.01
Heptachlor				<0.006									<0.006
Heptachlor epoxide				<0.007									<0.007
Chlordane				<0.1									<0.1
PCB-1016				<0.5									<0.5
PCB-1221				<0.5									<0.5
PCB-1232				<0.5									<0.5
PCB-1242				<0.5									<0.5
PCB-1248				<0.5									<0.5
PCB-1254				<0.5									<0.5
PCB-1260				<0.5									<0.5
Toxaphene				<0.5									<0.5

RP-1 (M-001B) Effluent Semiannual Dioxins & Furans, pg/L (reported values based on detection limit)

2,3,7,8-TetraCDD				<5.3									<5.3
1,2,3,7,8-PentaCDD				<26.5									<26.5
1,2,3,4,7,8-HexaCDD				<26.5									<26.5
1,2,3,6,7,8-HexaCDD				<26.5									<26.5
1,2,3,7,8,9-HexaCDD				<26.5									<26.5
1,2,3,4,6,7,8-HeptaCDD				<26.5									<26.5
OctaCDD				<53									<53
2,3,7,8-TetraCDF				<5.3									<5.3
1,2,3,7,8-PentaCDF				<26.5									<26.5
2,3,4,7,8-PentaCDF				<26.5									<26.5
1,2,3,4,7,8-HexaCDF				<26.5									<26.5
1,2,3,6,7,8-HexaCDF				<26.5									<26.5
1,2,3,7,8,9-HexaCDF				<26.5									<26.5
2,3,4,6,7,8-HexaCDF				<26.5									<26.5
1,2,3,4,6,7,8-HeptaCDF				<26.5									<26.5
1,2,3,4,7,8,9-HeptaCDF				<26.5									<26.5
OctaCDF				<53									<53
Tot. 2,3,7,8-TCDD Equivalence				0.00									0.00

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-1/RP-4 (M-002A) Effluent Remaining Priority Pollutants

Table 19a

RP-1/RP-4 (M-002A) Effluent Remaining Priority Pollutant Metals, µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
Beryllium (Be)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium (Tl)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

RP-1/RP-4 (M-002A) Effluent Volatile Organics (EPA Methods 624, 601/602), µg/L

1,1,1-Trichloroethane				<1									<1
1,1,2,2-Tetrachloroethane				<0.5									<0.5
1,1,2-Trichloroethane				<1									<1
1,1-Dichloroethane				<0.5									<0.5
1,1-Dichloroethene				<1									<1
1,2-Dichlorobenzene				<1									<1
1,2-Dichloroethane				<1									<1
1,2-Dichloropropane				<0.5									<0.5
1,3-Dichlorobenzene				<1									<1
1,4-Dichlorobenzene				<1									<1
2-Chloroethyl vinyl ether				<1									<1
Benzene				<1									<1
Bromodichloromethane				19									19
Bromoform				<1									<1
Bromomethane				<1									<1
Carbon tetrachloride				<1									<1
Chlorobenzene				<1									<1
Chloroethane				<1									<1
Chloroform				61									61
Chloromethane				<1									<1
cis-1,3-Dichloropropene				<1									<1
Dibromochloromethane				4									4
Ethylbenzene				<1									<1
Methylene chloride				<1									<1
Tetrachloroethene				<1									<1
Toluene				<1									<1
trans-1,2-Dichloroethene				<0.5									<0.5
trans-1,3-Dichloropropene				<1									<1
Trichloroethene				<1									<1
Trichlorofluoromethane				<2									<2
Vinyl chloride				<1									<1
Acrolein				<2									<2
Acrylonitrile				<2									<2

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report
 RP-1/RP-4 (M-002A) Effluent Remaining Priority Pollutants

Table 19b

RP-1/RP-4 (M-002A) Effluent Base/Neutral and Acid Extractibles (EPA Method 625), µg/L													Annual Max.
Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1,2,4-Trichlorobenzene				<1									<1
1,2-Dichlorobenzene				<1									<1
1,3-Dichlorobenzene				<1									<1
1,4-Dichlorobenzene				<1									<1
2,4,6-Trichlorophenol				<1									<1
2,4-Dichlorophenol				<2									<2
2,4-Dimethylphenol				<1									<1
2,4-Dinitrophenol				<3									<3
2,4-Dinitrotoluene				<1									<1
2,6-Dinitrotoluene				<2									<2
2-Chloronaphthalene				<1									<1
2-Chlorophenol				<1									<1
2-Methyl-4,6-dinitrophenol				<2									<2
2-Nitrophenol				<1									<1
3,3-Dichlorobenzidine				<5									<5
4-Bromophenyl phenyl ether				<1									<1
4-Chloro-3-methylphenol				<1									<1
4-Chlorophenyl phenyl ether				<1									<1
4-Nitrophenol				<3									<3
Acenaphthene				<1									<1
Acenaphthylene				<1									<1
Anthracene				<1									<1
Azobenzene				<1									<1
Benzidine				<5									<5
Benzo(a)anthracene				<5									<5
Benzo(a)pyrene				<1									<1
Benzo(b)fluoranthene				<1									<1
Benzo(g,h,i)perylene				<2									<2
Benzo(k)fluoranthene				<1									<1
Bis(2-chloroethoxy)methane				<2									<2
Bis(2-chloroethyl)ether				<1									<1
Bis(2-chloroisopropyl)ether				<1									<1
Bis(2-ethylhexyl)phthalate	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl benzyl phthalate				<1									<1
Chrysene				<1									<1
Dibenzo(a,h)anthracene				<1									<1
Diethyl phthalate				<2									<2
Dimethyl phthalate				<1									<1
Di-n-butyl phthalate				<1									<1
Di-n-octyl phthalate				<1									<1
Fluoranthene				<1									<1
Fluorene				<1									<1
Hexachlorobenzene				<1									<1
Hexachlorobutadiene				<1									<1
Hexachlorocyclopentadiene				<5									<5
Hexachloroethane				<1									<1
Indeno(1,2,3-cd)pyrene				<2									<2
Isophorone				<1									<1
Naphthalene				<1									<1
Nitrobenzene				<1									<1
N-Nitrosodimethylamine				<1									<1
N-Nitroso-di-n-propylamine				<1									<1
N-Nitrosodiphenylamine				<1									<1
Pentachlorophenol				<2									<2
Phenanthrene				<1									<1
Phenol				<1									<1
Pyrene				<1									<1

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-1/RP-4 (M-002A) Effluent Remaining Priority Pollutants

Table 19c

RP-1/RP-4 (M-002A) Effluent Pesticides (EPA Method 608), µg/L													Annual Max.
Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
4,4-DDD				<0.006									<0.006
4,4-DDE				<0.006									<0.006
4,4-DDT				<0.008									<0.008
Aldrin				<0.004									<0.004
Alpha-BHC				<0.008									<0.008
Beta-BHC				<0.005									<0.005
Delta-BHC				<0.007									<0.007
Dieldrin				<0.006									<0.006
Endosulfan I				<0.01									<0.01
Endosulfan II				<0.007									<0.007
Endosulfan Sulfate				<0.009									<0.009
Endrin				<0.009									<0.009
Endrin aldehyde				<0.006									<0.006
Gamma-BHC				<0.01									<0.01
Heptachlor				<0.006									<0.006
Heptachlor epoxide				<0.007									<0.007
Chlordane				<0.1									<0.1
PCB-1016				<0.5									<0.5
PCB-1221				<0.5									<0.5
PCB-1232				<0.5									<0.5
PCB-1242				<0.5									<0.5
PCB-1248				<0.5									<0.5
PCB-1254				<0.5									<0.5
PCB-1260				<0.5									<0.5
Toxaphene				<0.5									<0.5
RP-1/RP-4 (M-002A) Effluent Semiannual Dioxins & Furans, pg/L (reported values based on detection limit)													
2,3,7,8-TetraCDD				<5.93									<5.93
1,2,3,7,8-PentaCDD				<29.7									<29.7
1,2,3,4,7,8-HexaCDD				<29.7									<29.7
1,2,3,6,7,8-HexaCDD				<29.7									<29.7
1,2,3,7,8,9-HexaCDD				<29.7									<29.7
1,2,3,4,6,7,8-HeptaCDD				<29.7									<29.7
OctaCDD				<59.3									<59.3
2,3,7,8-TetraCDF				<5.93									<5.93
1,2,3,7,8-PentaCDF				<29.7									<29.7
2,3,4,7,8-PentaCDF				<29.7									<29.7
1,2,3,4,7,8-HexaCDF				<29.7									<29.7
1,2,3,6,7,8-HexaCDF				<29.7									<29.7
1,2,3,7,8,9-HexaCDF				<29.7									<29.7
2,3,4,6,7,8-HexaCDF				<29.7									<29.7
1,2,3,4,6,7,8-HeptaCDF				<29.7									<29.7
1,2,3,4,7,8,9-HeptaCDF				<29.7									<29.7
OctaCDF				<59.3									<59.3
Tot. 2,3,7,8-TCDD Equivalence				0.00									0.00

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-5 (M-003) Effluent Remaining Priority Pollutants

Table 20a

RP-5 (M-003) Effluent Remaining Priority Pollutant Metals, µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
Beryllium (Be)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium (Tl)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

RP-5 (M-003) Effluent Volatile Organics (EPA Methods 624, 601/602), µg/L

1,1,1-Trichloroethane				<1								<1	<1
1,1,2,2-Tetrachloroethane				<0.5								<0.5	<0.5
1,1,2-Trichloroethane				<1								<1	<1
1,1-Dichloroethane				<0.5								<0.5	<0.5
1,1-Dichloroethene				<1								<1	<1
1,2-Dichlorobenzene				<1								<1	<1
1,2-Dichloroethane				<1								<1	<1
1,2-Dichloropropane				<0.5								<0.5	<0.5
1,3-Dichlorobenzene				<1								<1	<1
1,4-Dichlorobenzene				<1								<1	<1
2-Chloroethyl vinyl ether				<1								<1	<1
Benzene				<1								<1	<1
Bromodichloromethane				22								21	22
Bromoform				<1								<1	<1
Bromomethane				<1								<1	<1
Carbon tetrachloride				<1								<1	<1
Chlorobenzene				<1								<1	<1
Chloroethane				<1								<1	<1
Chloroform				48								44	48
Chloromethane				<1								<1	<1
cis-1,3-Dichloropropene				<1								<1	<1
Dibromochloromethane				7								8	8
Ethylbenzene				<1								<1	<1
Methylene chloride				<1								<1	<1
Tetrachloroethene				<1								<1	<1
Toluene				<1								<1	<1
trans-1,2-Dichloroethene				<0.5								<0.5	<0.5
trans-1,3-Dichloropropene				<1								<1	<1
Trichloroethene				<1								<1	<1
Trichlorofluoromethane				<2								<2	<2
Vinyl chloride				<1								<1	<1
Acrolein				<2									<2
Acrylonitrile				<2									<2

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-5 (M-003) Effluent Remaining Priority Pollutants

Table 20b

RP-5 (M-003) Effluent Base/Neutral and Acid Extractibles (EPA Method 625), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
1,2,4-Trichlorobenzene				<1									<1
1,2-Dichlorobenzene				<1									<1
1,3-Dichlorobenzene				<1									<1
1,4-Dichlorobenzene				<1									<1
2,4,6-Trichlorophenol				<1									<1
2,4-Dichlorophenol				<2									<2
2,4-Dimethylphenol				<1									<1
2,4-Dinitrophenol				<3									<3
2,4-Dinitrotoluene				<1									<1
2,6-Dinitrotoluene				<2									<2
2-Chloronaphthalene				<1									<1
2-Chlorophenol				<1									<1
2-Methyl-4,6-dinitrophenol				<2									<2
2-Nitrophenol				<1									<1
3,3-Dichlorobenzidine				<5									<5
4-Bromophenyl phenyl ether				<1									<1
4-Chloro-3-methylphenol				<1									<1
4-Chlorophenyl phenyl ether				<1									<1
4-Nitrophenol				<3									<3
Acenaphthene				<1									<1
Acenaphthylene				<1									<1
Anthracene				<1									<1
Azobenzene				<1									<1
Benzidine				<5									<5
Benzo(a)anthracene				<5									<5
Benzo(a)pyrene				<1									<1
Benzo(b)fluoranthene				<1									<1
Benzo(g,h,i)perylene				<2									<2
Benzo(k)fluoranthene				<1									<1
Bis(2-chloroethoxy)methane				<2									<2
Bis(2-chloroethyl)ether				<1									<1
Bis(2-chloroisopropyl)ether				<1									<1
Bis(2-ethylhexyl)phthalate	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl benzyl phthalate				<1									<1
Chrysene				<1									<1
Dibenzo(a,h)anthracene				<1									<1
Diethyl phthalate				<2									<2
Dimethyl phthalate				<1									<1
Di-n-butyl phthalate				<1									<1
Di-n-octyl phthalate				<1									<1
Fluoranthene				<1									<1
Fluorene				<1									<1
Hexachlorobenzene				<1									<1
Hexachlorobutadiene				<1									<1
Hexachlorocyclopentadiene				<5									<5
Hexachloroethane				<1									<1
Indeno(1,2,3-cd)pyrene				<2									<2
Isophorone				<1									<1
Naphthalene				<1									<1
Nitrobenzene				<1									<1
N-Nitrosodimethylamine				<1									<1
N-Nitroso-di-n-propylamine				<1									<1
N-Nitrosodiphenylamine				<1									<1
Pentachlorophenol				<2									<2
Phenanthrene				<1									<1
Phenol				<1									<1
Pyrene				<1									<1

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

RP-5 (M-003) Effluent Remaining Priority Pollutants

Table 20c

RP-5 (M-003) Effluent Pesticides (EPA Method 608), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
4,4-DDD				<0.006									<0.006
4,4-DDE				<0.006									<0.006
4,4-DDT				<0.008									<0.008
Aldrin				<0.004									<0.004
Alpha-BHC				<0.008									<0.008
Beta-BHC				<0.005									<0.005
Delta-BHC				<0.007									<0.007
Dieldrin				<0.006									<0.006
Endosulfan I				<0.01									<0.01
Endosulfan II				<0.007									<0.007
Endosulfan Sulfate				<0.009									<0.009
Endrin				<0.009									<0.009
Endrin aldehyde				<0.006									<0.006
Gamma-BHC				<0.01									<0.01
Heptachlor				<0.006									<0.006
Heptachlor epoxide				<0.007									<0.007
Chlordane				<0.1									<0.1
PCB-1016				<0.5									<0.5
PCB-1221				<0.5									<0.5
PCB-1232				<0.5									<0.5
PCB-1242				<0.5									<0.5
PCB-1248				<0.5									<0.5
PCB-1254				<0.5									<0.5
PCB-1260				<0.5									<0.5
Toxaphene				<0.5									<0.5

RP-5 (M-003) Effluent Semiannual Dioxins & Furans, pg/L (reported values based on detection limit)

2,3,7,8-TetraCDD				<4.9								<2.1	<4.9
1,2,3,7,8-PentaCDD				<24.5									<24.5
1,2,3,4,7,8-HexaCDD				<24.5									<24.5
1,2,3,6,7,8-HexaCDD				<24.5									<24.5
1,2,3,7,8,9-HexaCDD				<24.5									<24.5
1,2,3,4,6,7,8-HeptaCDD				<24.5									<24.5
OctaCDD				<49									<49
2,3,7,8-TetraCDF				<4.9									<4.9
1,2,3,7,8-PentaCDF				<24.5									<24.5
2,3,4,7,8-PentaCDF				<24.5									<24.5
1,2,3,4,7,8-HexaCDF				<24.5									<24.5
1,2,3,6,7,8-HexaCDF				<24.5									<24.5
1,2,3,7,8,9-HexaCDF				<24.5									<24.5
2,3,4,6,7,8-HexaCDF				<24.5									<24.5
1,2,3,4,6,7,8-HeptaCDF				<24.5									<24.5
1,2,3,4,7,8,9-HeptaCDF				<24.5									<24.5
OctaCDF				140									140
Tot. 2,3,7,8-TCDD Equivalence				0.042									0.042

INLAND EMPIRE UTILITIES AGENCY
Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report
CCWRF (M-004) Effluent Remaining Priority Pollutants

Table 21a

CCWRF (M-004) Effluent Remaining Priority Pollutant Metals, µg/L													Annual Max.
Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Beryllium (Be)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5
Thallium (Tl)	<1	<1	<1	<1	<1	<1	<1			<1	<1	<1	<1
CCWRF (M-004) Effluent Volatile Organics (EPA Methods 624, 601/602), µg/L													
1,1,1-Trichloroethane				<1									<1
1,1,2,2-Tetrachloroethane				<0.5									<0.5
1,1,2-Trichloroethane				<1									<1
1,1-Dichloroethane				<0.5									<0.5
1,1-Dichloroethene				<1									<1
1,2-Dichlorobenzene				<1									<1
1,2-Dichloroethane				<1									<1
1,2-Dichloropropane				<0.5									<0.5
1,3-Dichlorobenzene				<1									<1
1,4-Dichlorobenzene				<1									<1
2-Chloroethyl vinyl ether				<1									<1
Benzene				<1									<1
Bromodichloromethane				32									32
Bromoform				2									2
Bromomethane				<1									<1
Carbon tetrachloride				<1									<1
Chlorobenzene				<1									<1
Chloroethane				<1									<1
Chloroform				37									37
Chloromethane				<1									<1
cis-1,3-Dichloropropene				<1									<1
Dibromochloromethane				18									18
Ethylbenzene				<1									<1
Methylene chloride				<1									<1
Tetrachloroethene				<1									<1
Toluene				<1									<1
trans-1,2-Dichloroethene				<0.5									<0.5
trans-1,3-Dichloropropene				<1									<1
Trichloroethene				<1									<1
Trichlorofluoromethane				<2									<2
Vinyl chloride				<1									<1
Acrolein				<2									<2
Acrylonitrile				<2									<2

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report
 CCWRF (M-004) Effluent Remaining Priority Pollutants

Table 21b

CCWRF (M-004) Effluent Base/Neutral and Acid Extractibles (EPA Method 625), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
1,2,4-Trichlorobenzene				<1									<1
1,2-Dichlorobenzene				<1									<1
1,3-Dichlorobenzene				<1									<1
1,4-Dichlorobenzene				<1									<1
2,4,6-Trichlorophenol				<1									<1
2,4-Dichlorophenol				<2									<2
2,4-Dimethylphenol				<1									<1
2,4-Dinitrophenol				<3									<3
2,4-Dinitrotoluene				<1									<1
2,6-Dinitrotoluene				<2									<2
2-Chloronaphthalene				<1									<1
2-Chlorophenol				<1									<1
2-Methyl-4,6-dinitrophenol				<2									<2
2-Nitrophenol				<1									<1
3,3-Dichlorobenzidine				<5									<5
4-Bromophenyl phenyl ether				<1									<1
4-Chloro-3-methylphenol				<1									<1
4-Chlorophenyl phenyl ether				<1									<1
4-Nitrophenol				<3									<3
Acenaphthene				<1									<1
Acenaphthylene				<1									<1
Anthracene				<1									<1
Azobenzene				<1									<1
Benzidine				<5									<5
Benzo(a)anthracene				<5									<5
Benzo(a)pyrene				<1									<1
Benzo(b)fluoranthene				<1									<1
Benzo(g,h,i)perylene				<2									<2
Benzo(k)fluoranthene				<1									<1
Bis(2-chloroethoxy)methane				<2									<2
Bis(2-chloroethyl)ether				<1									<1
Bis(2-chloroisopropyl)ether				<1									<1
Bis(2-ethylhexyl)phthalate	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2	<2
Butyl benzyl phthalate				<1									<1
Chrysene				<1									<1
Dibenzo(a,h)anthracene				<1									<1
Diethyl phthalate				<2									<2
Dimethyl phthalate				<1									<1
Di-n-butyl phthalate				<1									<1
Di-n-octyl phthalate				<1									<1
Fluoranthene				<1									<1
Fluorene				<1									<1
Hexachlorobenzene				<1									<1
Hexachlorobutadiene				<1									<1
Hexachlorocyclopentadiene				<5									<5
Hexachloroethane				<1									<1
Indeno(1,2,3-cd)pyrene				<2									<2
Isophorone				<1									<1
Naphthalene				<1									<1
Nitrobenzene				<1									<1
N-Nitrosodimethylamine				<1									<1
N-Nitroso-di-n-propylamine				<1									<1
N-Nitrosodiphenylamine				<1									<1
Pentachlorophenol				<2									<2
Phenanthrene				<1									<1
Phenol				<1									<1
Pyrene				<1									<1

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2013 NPDES Annual Report

CCWRF (M-004) Effluent Remaining Priority Pollutants

Table 21c

CCWRF (M-004) Effluent Pesticides (EPA Method 608), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
4,4-DDD				<0.006									<0.006
4,4-DDE				<0.006									<0.006
4,4-DDT				<0.008									<0.008
Aldrin				<0.004									<0.004
Alpha-BHC				<0.008									<0.008
Beta-BHC				<0.005									<0.005
Delta-BHC				<0.007									<0.007
Dieldrin				<0.006									<0.006
Endosulfan I				<0.01									<0.01
Endosulfan II				<0.007									<0.007
Endosulfan Sulfate				<0.009									<0.009
Endrin				<0.009									<0.009
Endrin aldehyde				<0.006									<0.006
Gamma-BHC				<0.01									<0.01
Heptachlor				<0.006									<0.006
Heptachlor epoxide				<0.007									<0.007
Chlordane				<0.1									<0.1
PCB-1016				<0.5									<0.5
PCB-1221				<0.5									<0.5
PCB-1232				<0.5									<0.5
PCB-1242				<0.5									<0.5
PCB-1248				<0.5									<0.5
PCB-1254				<0.5									<0.5
PCB-1260				<0.5									<0.5
Toxaphene				<0.5									<0.5

CCWRF (M-004) Effluent Semiannual Dioxins & Furans, pg/L (reported values based on detection limit)

2,3,7,8-TetraCDD				<5								<5	<5
1,2,3,7,8-PentaCDD				<25									<25
1,2,3,4,7,8-HexaCDD				<25									<25
1,2,3,6,7,8-HexaCDD				<25									<25
1,2,3,7,8,9-HexaCDD				<25									<25
1,2,3,4,6,7,8-HeptaCDD				<25									<25
OctaCDD				<50									<50
2,3,7,8-TetraCDF				<5									<5
1,2,3,7,8-PentaCDF				<25									<25
2,3,4,7,8-PentaCDF				<25									<25
1,2,3,4,7,8-HexaCDF				<25									<25
1,2,3,6,7,8-HexaCDF				<25									<25
1,2,3,7,8,9-HexaCDF				<25									<25
2,3,4,6,7,8-HexaCDF				<25									<25
1,2,3,4,6,7,8-HeptaCDF				<25									<25
1,2,3,4,7,8,9-HeptaCDF				<25									<25
OctaCDF				<50									<50
Tot. 2,3,7,8-TCDD Equivalence				0.00									0.00

APPENDIX C

Recycled Water Users and Demands

APPENDIX C
Recycled Water Users and Demands

City of Chino			
Customer	Site Address	Type	Total AF
C W FARMS IV	REMINGTON/WALKER NORTH #SPR	Agricultural	590
Cal Poly Pomona	Kimball Ave/Magnolia Channel#RC	Agricultural	797
Cal Poly Pomona	14515 Central Ave #A SPR/R	Agricultural	315
Cleveland Farm	HYDRANT METER	Agricultural	37
Cleveland Farm	HYDRANT METER	Agricultural	80
Cleveland Farm	HYDRANT METER	Agricultural	128
Cleveland Farm	7550 BICKMORE AVE #SPR-RC	Agricultural	88
CLEVELAND FARM #1	Bickmore East of Euclid#SPR-RC	Agricultural	274
CW Farms	S Pine/W of W Preserve Loop #RC	Agricultural	900
CW Farms II	Pine Ave W/of Grove #RC	Agricultural	121
CW Farms III	Remington/Walker Ave. #RC	Agricultural	680
DR Horton	HYDRANT METER	Agricultural	0
HERMAN WEISSKER INC	HYDRANT METER	Agricultural	14
La Brucherie Farms	Kimball & Rincon Meadows #RC	Agricultural	408
MESA CONTRACTING CORP	SOUTH/E OF COLLEGE BLDG #RC	Agricultural	10
Nyenhius Dairy	8711 Remington Ave #AGR	Agricultural	838
ORANGE COUNTY WATER DISTRICT	HYDRANT METER 1	Agricultural	1
Richardson, Don	Kimball & Rincon Meadows #RC	Agricultural	82
Standard Pacific	0 HYD MTR 04074614	Agricultural	1
Superior Sod #4	8900 Bickmore Ave.	Agricultural	2
WESTSTEYN DAIRY	8300 PINE AVE	Agricultural	859
Chino Agricultural Usage (AF)			6,226
PARKCREST CONSTRUCTION INC	7105 KIMBALL AVE	Construction	4
PARKCREST CONSTRUCTION INC	15709 EUCLID AVE	Construction	3
PARKCREST CONSTRUCTION INC	EUCLID AVE/KIMBALL AVE	Construction	31
Portrait Construction, Inc.	Portrait Construction, Inc.	Construction	2
STICE COMPANY INC	Pine/Euclid NW Corner	Construction	12
SUKUT CONSTRUCTION INC	8600 Chino Corona Rd.	Construction	0
DOWNING CONSTRUCTION INC	Mountain/Bickmore	Construction	0
GMC ENGINEERING INC	HYDRANT METER	Construction	0
Oltmans Construction	15970 MOUNTAIN AVE	Construction	0
STICE COMPANY INC	Pine/Euclid NW Corner	Construction	9
Chino Construction Usage (AF)			62
Calif Cogeneration	5605 COLLEGE PARK AVE #RC	Industrial	96
Superior Sod	PINE & HELLMAN #SPR-RC	Industrial	270
Superior Sod	CHINO CORONA RD #SPR-RC	Industrial	180
Superior Sod	CHINO CORONA RD	Industrial	167
Superior Sod #4	8545 PINE AVE - RC	Industrial	196
FIRST INDUSTRIAL	6185 KIMBALL AVE	Industrial	3
SUPERIOR SOD AIRPORT #1	KIMBALL AVE/WALKER AVE	Industrial	56
Chino Industrial Usage (AF)			968
AGAVE NEIGHBORHOOD ASSOCIATION	8100 W PRESERVE LOOP #SPR-RC	Landscape	11
All Coast Forest Products	13880 Monte Vista Ave #RC	Landscape	7
American Power Conversion	14875 Monte Vista Ave #SPR-RC	Landscape	7
American Power Conversion	14725 Monte Vista Ave #SPR-RC	Landscape	9
BOBERG ENGINEERING	HYDRANT METER	Landscape	9
Cal Poly Pomona	4575 Eucalyptus Ave #SPR-RC	Landscape	1
Cal Trans	Chino Hills Pkwy/71 #SPR-RC	Landscape	12
California Custom Shapes	5051 Edison Ave	Landscape	1
Central Business Owners Assoc	13931-13965 Central Ave	Landscape	5
Central Park Industrial PTNRS	14760 Central Ave	Landscape	5
City of Chino (Continued)			
Customer	Site Address	Type	Total AF
Central Park Industrial PTNRS	14602-14698 Central Ave	Landscape	8
Central Park Industrial PTNRS	14091 Twelfth St.	Landscape	3
Central Park Industrial PTNRS	14508 Central Ave	Landscape	7
Chaffey College	5897 College Park Ave #SPR-RC	Landscape	5
CHAFFEY COLLEGE	5890 COLLEGE PARK AVE	Landscape	6

APPENDIX C
Recycled Water Users and Demands

Chandler Real Properties	15342 El Prado Rd #SPR-RC	Landscape	4
Chino Development Corporation	Wetlands Project	Landscape	57
Chino Development Corporation	PRESERVE/RINCON MW HYD-R	Landscape	7
Chino Hills Ford	4480 Chino Hills Pkwy #SPR-RC	Landscape	10
Chino Industrial Commons	5505 Daniels St. #SPR-RC	Landscape	4
Chino Industrial Commons-Owners	5625 Daniels St. #SPR-RC	Landscape	5
CITRUS COMMONS	PARKSIDE/WEST PRES #SPR RC	Landscape	8
City of Chino	Edison Ave Bike Trail	Landscape	20
City of Chino	5604 COLLEGE PARK AVE #SPR-RC	Landscape	330
City of Chino Ayala Park	5301 Edison Ave	Landscape	53
CITY OF CHINO AYALA PARK	5301 Edison Ave	Landscape	56
COLLEGE PARK COMMUNITES	6524 WHEATON #SPR-RC	Landscape	4
COLLEGE PARK COMMUNITES	6572 WHEATON	Landscape	4
College Park Community Assoc	Eucalyptus/San Antonio #SPR	Landscape	16
College Park Community Assoc	San Antonio A/Standford #SPR-RC	Landscape	5
College Park Community Assoc	Eucalyptus/Fern #SPR-RC	Landscape	7
College Park Community Assoc	6975 EDINBORO ST #SPR-RC	Landscape	1
College Park Community Assoc	6623 CLEMSON ST #SPR-RC	Landscape	8
College Park Community Assoc	EUCALYPTUS	Landscape	4
College Park Community Assoc	EUCALYPTUS #SPR-RC	Landscape	11
College Park Community Assoc	6555 EUCALYPTUS	Landscape	5
College Park Community Assoc 1	Clemson/Tuskegee So #SPR-RC	Landscape	5
College Park Community Assoc 2	Clemson/Tuskegee No #SPR-RC	Landscape	8
Collins Company	5470 Daniels St.	Landscape	2
Colonial Electric	14981 Telephone Ave	Landscape	1
CP BUSINESS PARK PARTNERS LP	CENTRAL/CHINO HILLS PK SPR-RC	Landscape	10
CT Storage-Chino LLC	13855 Central Ave #SPR-RC	Landscape	8
DBRS Medical System	13820 Benson Ave	Landscape	1
Dept. of Corrections State	14515 Central Ave #B SPR/R	Landscape	10
DO + ABLE Product	5150 Edison Ave	Landscape	6
DR Horton	Purdue/Eucalyptus Ave HYD-R	Landscape	0
DR Horton	14569 Purdue	Landscape	4
DSC Logistics	5116 Chino Hills Parkway	Landscape	11
DSC Logistics	5026 CHINO HILLS PARKWAY	Landscape	2
DSC Logistics	5026 CHINO HILLS PARKWAY #SPR-RC	Landscape	1
El Prado Rd Business Owners	15278 EL PRADO RD	Landscape	6
EQUIPMENT WHOLESALERS	Daniels Ave #SPR-RC	Landscape	1
EVERBLOOM ENTERPRISE LLC	13975 CENTRAL AVE	Landscape	5
Evergreen at The Preserve	15731 Earhart Ct #SPR-RC	Landscape	9
Evergreen at the Preserve (222671-2)	8200 Garden gate ct #SPR-RC	Landscape	1
Excel INC	14701 Yorba CT	Landscape	5
Farrand Enterprises	14375 Monte Vista Ave #SPR-RC	Landscape	2
Funding Resources	13960 Benson Ave	Landscape	3
FUSION 5 CONDO ASSOCIATION	15804 MCINTOSH AVE	Landscape	3
Garrett Concrete	14923 Telephone Ave	Landscape	1
Garrett Concrete	14920 Telephone Ave	Landscape	1
City of Chino (Continued)			
Customer	Site Address	Type	Total AF
GILBERT WEST	16133 S FERN AVE	Landscape	13
Godinho Equipment	SAN ANTONIO/EUCALYPTUS #HYD RC	Landscape	0
Gro-Power Inc	15065 Telephone Ave	Landscape	2
H PLACENCIA NURSERY	8005 PINE AVENUE	Landscape	30
HILL PHOENIX INC	14680 MONTE VISTA AVE	Landscape	7
HYUNDAI-KIA AMERICA	14011 TWELFTH ST #SPR-RC	Landscape	2
INSTITUFORM TECHNOLOGIES INC	HYDRANT METER	Landscape	4
Jasmine Willows HOA	Begonia & Holland Park #SPR	Landscape	2
K-8 SCHOOL (PRESERVE)	8150 GARDEN PARK SCHOOL #SPR	Landscape	20
KB Homes	7988 PINE AVE	Landscape	14
KB Homes	HYDRANT METER	Landscape	2
KB Homes	BICKMORE/HUNTINGTON GARDEN	Landscape	3

APPENDIX C
Recycled Water Users and Demands

Kinfine USA Inc	13824 YORBA AVE	Landscape	5
LENNAR HOMES OF CA	6287 EUCALYPTUS AVE	Landscape	16
LENNAR HOMES OF CA	6069 EUCALYPTUS AVE	Landscape	14
LENNAR HOMES OF CA	5981 EUCALYPTUS AVE	Landscape	13
LENNAR HOMES OF CA	6088 SATTERFIELD	Landscape	4
LENNAR HOMES OF CA	6291 SATTERFIELD	Landscape	7
LENNAR HOMES OF CA	6019 Appalachian	Landscape	8
LENNAR HOMES OF CA	LENNAR HOMES OF CALIFORNIA	Landscape	1
LENNAR HOMES OF CA	HYDRANT METER	Landscape	0
LENNAR HOMES OF CA	HYDRANT METER	Landscape	9
LENNAR HOMES OF CA	14123 OAKS AVE	Landscape	19
LENNAR HOMES OF CA	14124 OAKS AVE	Landscape	12
LENNAR HOMES OF CA	14197 OAKS AVE	Landscape	0
Lewis Operating Corp	Main St/Kimball Ave, Hydrant Meter	Landscape	23
Lewis Operating Corp	16100 Rincon Meadows	Landscape	14
LW INCOME PROPERTIES	5051 EDISON AVE #SPR-RC	Landscape	0
Majestic Management	14510-70 Monte Vista Ave #SPR	Landscape	9
MEF Realty LLC	5220-5228 Edison Ave #SPR-RC	Landscape	2
MONTE VISTA #3	14720 MONTE VISTA AVE #SPR-RC	Landscape	7
MONTE VISTA #3	14880 MONTE VISTA AVE #SPR-RC	Landscape	4
National Distribution Center	16045 MOUNTAIN AVE	Landscape	18
National Distribution Center	16045 MOUNTAIN AVE #SPR-RC	Landscape	26
NEXGRILL INDUSTRIES INC	5270 EDISON AVE	Landscape	3
NORCO INJECTION MOLDING	14286 Monte Vista	Landscape	3
NORCO INJECTION MOLDING	5500 DANIELS AVE #SPR-RC	Landscape	1
NORCO INJECTION MOLDING	14325 MONTE VISTA AVE	Landscape	7
OMNIA ITALIAN DESIGN	4950 Edison Ave #SPR-RC	Landscape	8
Panattoni Construction	4565 Eucalyptus Ave #SPR-RC	Landscape	6
Panattoni Construction	14559 Ramona Ave #MED-RC	Landscape	2
Panattoni Construction	14607 Ramona Ave #SPR-RC	Landscape	5
Panattoni Construction	14609 Ramona Ave #SPR-RC	Landscape	5
Panattoni Construction	4685 EUCALYPTUS AVE #SPR-RC	Landscape	3
Preserve Maintenance Corp	8273 KIMBALL AVE #SPR-RC	Landscape	4
Preserve Maintenance Corp	15702 Meadow Valley #SPR-RC	Landscape	4
Preserve Maintenance Corp	15703 Meadow Valley #SPR-RC	Landscape	2
Preserve Maintenance Corp	8595 Forest Park #SPR-RC	Landscape	3
Preserve Maintenance Corp	8381 Kimball Ave #SPR-RC	Landscape	5
Preserve Maintenance Corp	7703 Kimball Ave #SPR-RC	Landscape	7
Preserve Maintenance Corp	15990 Nature Trail #SPR-RC	Landscape	14
City of Chino (Continued)			
Customer	Site Address	Type	Total AF
Preserve Master Community	15779 Starfighter Ave #SPR-R	Landscape	2
Preserve Master Corp	7920 Bickmore Ave #SPR-RC	Landscape	6
Preserve Master Corp	8704 Bridle Path ST #A #SPR	Landscape	18
PRESERVE MASTER MAINTENANCE	7973 KIMBALL AVE #SPR-RC	Landscape	5
PRESERVE MASTER MAINTENANCE	8456 E PRESERVE LOOP #SPR-RC	Landscape	8
PRESERVE MASTER MAINTENANCE	8344 FOREST PARK ST #SPR-RC	Landscape	5
PRESERVE MASTER MAINTENANCE	8473 FOREST PARK ST #SPR-RC	Landscape	3
PRESERVE MASTER MAINTENANCE	8100 W PRESERVE LOOP #SPR-RC	Landscape	8
PRESERVE MASTER MAINTENANCE	8179 KIMBALL AVE #SPR-RC	Landscape	2
PRESERVE MASTER MAINTENANCE	15750 MILL CREEK #SPR-RC	Landscape	4
PRESERVE MASTER MAINTENANCE	7714 BICKMORE AVE SPR-RC	Landscape	11
PRESERVE MASTER MAINTENANCE	8151 WEST PRESERVE LOOP-PARK	Landscape	27
PRESERVE MASTER MAINTENANCE	16343 MEADOWHOUSE AVE #SPR-RC	Landscape	6
PRESERVE MASTER MAINTENANCE	8383 KIMBALL AVE #SPR-RC	Landscape	2
PRESERVE MASTER MAINTENANCE	7585 BICKMORE AVE #SPR-RC	Landscape	1
PRESERVE MASTER MAINTENANCE	15591 RETREAT #SPR-RC	Landscape	5
Quetico Schaefer Properties	5610 Daniels St.#SPR/RC	Landscape	5
Redbuilt LLC	5088 EDISON AVE #SPR-RC	Landscape	1
Redwood Business Center	13851-97 Redwood Ave#SPR-RC	Landscape	4

APPENDIX C
Recycled Water Users and Demands

Repet Inc	14207 MONTE VISTA AVE	Landscape	22
RYLAND HOMES OF CA	HYDRANT METER	Landscape	0
SADDLE CREEK CORPORATION	5026 CHINO HILLS PARKWAY	Landscape	4
San Bdn County Fairgrounds	5410 Edison Ave #SPR-RC	Landscape	12
San Bdn County Fairgrounds	5410 Edison Ave, HYD-RC	Landscape	1
SCOTT ENGINEERING	5051 EDISON AVE #SPR-RC	Landscape	1
SEACOUNTRY HOMES	15777 MC INTOSH AVE	Landscape	10
Service Craft LLC	5116 Chino Hills Parkway	Landscape	0
Shamrock Marketing	5445 Daniels St	Landscape	1
SOUTHERN CALIFORNIA EDISON	14005 BENSON AVE	Landscape	1
Standard Pacific	6632 EUCALYPTUS AVE	Landscape	1
Standard Pacific	15784 Canopy Ave #SPR-RC-Park	Landscape	9
Sundance Spas	14525 Monte Vista Ave #SPR-RC	Landscape	8
Sundance Spas	14675 Monte Vista Ave #SPR-RC	Landscape	5
Tetherwinds Neighborhood	158519 LINDBERGH AVE	Landscape	6
Tetherwinds Neighborhood	15850 Lindbergh Ave #SPR-RC	Landscape	5
Tetherwinds Neighborhood	158519 LINDBERGH AVE	Landscape	4
Tetherwinds Neighborhood	15754 Lindbergh Ave #SPR-RC	Landscape	6
The Campus Owners Corp	14091 TWELFTH ST B-SPR	Landscape	6
The Preserve Master Community	15871 Main Street #SPR-RC	Landscape	10
The Preserve Master Community	EAST HUNTINGTON GARDEN #SPR-RC	Landscape	12
The Preserve Master Community	8122 Garden Park St #SPR-RC	Landscape	7
The Preserve Master Community	15784 CANOPY AVE #SPR-RC PARK	Landscape	2
Trammel Crow So Cal Inc	14651 Yorba Ct SPR-RC	Landscape	6
Trammel Crow So Cal Inc	14575 Yorba Ct	Landscape	3
Trammel Crow So Cal Inc	4775 Eucalyptus Ave	Landscape	4
Trammel Crow So Cal Inc	YORBA/EUCALYPTUS (SW) #SPR-RC	Landscape	1
Trammel Crow So Cal Inc	14525 YORBA AVE #SPR RC	Landscape	3
Valbruna	13930-13950 Benson Ave #SPR-RC	Landscape	2
Viaverde Nursery	MAIN ST/FORREST PARK #SPR-RC	Landscape	40
Viaverde Nursery	15801 E PRESERVE LOOP #SPR-RC	Landscape	12
Viaverde Nursery	15800 E PRESERVE #SPR-RC	Landscape	49
City of Chino (Continued)			
Customer	Site Address	Type	Total AF
VIRAMONTES EXPRESS	8600 CHINO CORONA RD #HYD-RC	Landscape	4
W L Homes	Kimball/Preserve #HYD	Landscape	1
Warehouse Technology	5065 Eucalyptus Ave	Landscape	6
Warehouse Technology	5151 Eucalyptus	Landscape	7
WATSON LAND COMPANY	6911 BICKMORE AVE #SPR-RC	Landscape	13
Woodbury Neighborhood Association	7034 EDINBORO AVE	Landscape	7
Yin, Zhihua	13860 Benson Ave. #SPR-RC	Landscape	2
Yorba Industrial Center	13901 Yorba Ave #SPR-RC	Landscape	8
Yorba Industrial Center	14670 YORBA CT	Landscape	7
Yoshimura R&D	5420 Daniels St #SPR-RC	Landscape	3
Yoshimura Racing LLC	5411 Daniels St #SPR-RC	Landscape	0
Yoshimura Racing LLC	5411 Daniels St #HYD/RC	Landscape	0
KB Homes	8090 PINE AVE	Landscape	45
LENNAR HOMES OF CA	6287 SHEFFIELD ST	Landscape	0
LENNAR HOMES OF CA	14687 APPALACHIAN ST	Landscape	1
LENNAR HOMES OF CA	14549 APPALACHIAN ST	Landscape	1
LENNAR HOMES OF CA	HYDRANT METER	Landscape	3
Standard Pacific	6615 EUCALYPTUS AVE	Landscape	1
Chino Landscape Usage (AF)			1,702
Chino Total Usage (AF)			8,957

APPENDIX C
Recycled Water Users and Demands

City of Chino Hills			
Customer	Site Address	Type	Total AF
5771 Pine Ave (5651 Pine Ave, LLC)	5771 Pine Ave	Agricultural	3
City of Chino Hills	15941 Fairfield Ranch Rd	Agricultural	2
City of Chino Hills	16886 Butterfield Ranch Rd	Agricultural	4
Country Club Market Place II	15948 Los Serranos Country Club D	Agricultural	0
Monte Vista Farmer (1)		Agricultural	36
Vellano Golf Course	15100 Fairfield Ranch Rd	Agricultural	26
Vista San Juan/ C.C. Medical Center	15944 Los Seranos C.C. Dr,	Agricultural	1
Chino Hills Agricultural Usage (AF):			72
15870 Soquel Canyon Pkwy	15870 Soquel Canyon Pkwy	Landscape	4
15872 Soquel Canyon Pkwy	15872 Soquel Canyon Pkwy	Landscape	0
15944 Los Serranos Country Club Dr. (4-09 just	15944 Los Serranos Country Club Dr.	Landscape	0
16343 Canyon Rim Dr	16343 Canyon Rim Dr	Landscape	6
16370 Vista Ct	16370 Vista Ct	Landscape	17
3550 Woodview Rd.	3550 Woodview Rd.	Landscape	3
4670 Soquel Cyn Pkwy	4670 Soquel Cyn Pkwy	Landscape	4
6085 Butterfield ranch road	6085 Butterfield Ranch Road	Landscape	13
6087 Butterfield ranch road	6087 Butterfield Ranch Road	Landscape	11
7-Eleven (15450 Fairfield Ranch Rd)	15450 Fairfield Ranch Rd	Landscape	3
Albertsons	4999 Soquel Canyon Parkway	Landscape	9
ARCO	15380 Fairfield Ranch Rd	Landscape	0
Artisan	16594 Slate east (3190159)	Landscape	22
Artisan	16302 Butterfield Ranch Rd	Landscape	7
Artisan	16308 Butterfield Ranch Rd (14551-1)	Landscape	6
Artisan	16675 C State Dr	Landscape	4
Big League Dreams	16333 Fairfield Ranch Rd	Landscape	43
BRR HOA	16780 Quail Country Ave	Landscape	14
BRR HOA	16804 Butterfield Ranch Rd	Landscape	9
BRR HOA	16572 Butterfield Ranch Rd	Landscape	13
C.U.S.D.	5130 Riverside Dr, Chino, CA 91710	Landscape	37
C.U.S.D.	5130 Riverside Dr	Landscape	5
CalTrans	East of Mesa Oak Ave	Landscape	10
CalTrans	1 Monte Vista Ave	Landscape	7
Centex	High View at Opal (3177799)	Landscape	0
Centex	x from 5008 Glen View (3181307)	Landscape	0
Centex	4937 Glen View (3187716)	Landscape	9
Centex	16857 Verbana (3160264)	Landscape	0
Centex	16857 Verbana east	Landscape	23
Centex	5044 Glen View (3212515)	Landscape	0
Centex	5139 Glen View (3212754)	Landscape	8
Centex	Highview & Glenview (3452614)	Landscape	24
Centex	16679 High View	Landscape	0
Centex	High View /buckwheat (3453402)	Landscape	5
Centex	High View west (3453563)	Landscape	5
Chapparral Elem. School (4342912)	4849 E Bird Farm Rd (Chaparral School)	Landscape	16
Chino Hills Business Park	15360 E Fairfield Ranch Rd (3384301)	Landscape	5
Chino Hills Business Park	15330 A Fairfield Ranch Rd	Landscape	5
Chino Hills Business Park	15315 E Fairfield Ranch Rd	Landscape	7
Chino Hills Business Park	15325 E Fairfield Ranch Rd	Landscape	6
Chino Hills Car Wash	15969 Los Serranos Country Club Dr	Landscape	0
Chino Hills Storage	15315 Los Serranos Road	Landscape	1
Chino Valley Fire	5551 Butterfield Ranch Rd	Landscape	2
City of Chino Hills (Continued)			
Customer	Site Address	Type	Total AF
City of Chino Hills	5005 Soquel Canyon Pkwy	Landscape	2
City of Chino Hills	15695 Fairfield Ranch Rd (Danbury Park)	Landscape	12
City of Chino Hills	15697 Fairfield Ranch Rd (Danbury Park)	Landscape	11
City of Chino Hills	5331 Picasso Dr	Landscape	1
City of Chino Hills	4639 Chino Hills Pkwy	Landscape	2

APPENDIX C
Recycled Water Users and Demands

City of Chino Hills	4792 Sapphire Rd	Landscape	5
City of Chino Hills	16343 Fairfield Ranch Rd	Landscape	22
City of Chino Hills	5901 Butterfield Ranch Rd	Landscape	2
City of Chino Hills	17350 Butterfield Ranch Rd	Landscape	11
City of Chino Hills	1 Pine Ave	Landscape	2
City of Chino Hills	City of Chino Hills	Landscape	8
City of Chino Hills	Elinver Dr	Landscape	7
City of Chino Hills	0 Butterfield Ranch C Rd	Landscape	12
City of Chino Hills	16200 Slate Dr.	Landscape	13
City of Chino Hills	0 Butterfield Ranch D Rd	Landscape	12
City of Chino Hills	16980 Butterfield Ranch Rd	Landscape	7
City of Chino Hills	16186 Butterfield Ranch Rd	Landscape	9
City of Chino Hills	6060 Natalie Rd (Hunter Hill Park)	Landscape	16
City of Chino Hills	16464 Butterfield Ranch Rd	Landscape	7
City of Chino Hills	1 Hunters Hill Dr	Landscape	4
Country Club Villa	15447 B Pomona Rincon Rd	Landscape	1
Dennys	Fairfield Ranch Rd & Central Ave	Landscape	4
EGM Management	4641 Chino Hills Pkwy	Landscape	12
EGM Management	4635 Chino Hills Pkwy	Landscape	14
EGM Management	4631 Chino Hills Pkwy	Landscape	14
Fairfield Ranch HOA	15966 Fairfield Ranch Rd (West @ Victoria Fal	Landscape	10
Fieldstone	4022 Soquel Canyon Rd. (Fieldstone)	Landscape	2
Fieldstone	16343 Canyon Rim Dr	Landscape	0
Higgins Ranch Community	3 Heritage Dr	Landscape	4
Higgins Ranch Community	1 Heritage Dr.	Landscape	8
Higgins Ranch Community	2 Heritage Dr	Landscape	4
Higgins Ranch Community	16110 Butterfield Ranch Rd	Landscape	0
Hyoung Corp	15380 Fairfield Ranch Rd	Landscape	2
Lexington	4915 Torrey Pines Dr. (Lexington HOA)	Landscape	1
Los Serranos Golf Course	Pinehurst Tract 14427	Landscape	187
Los Serranos Golf Course	15656 Yorba Ave	Landscape	157
Los Serranos Ranch Comm. Assoc.	4249 Soquel Cyn Pkwy	Landscape	12
New Vellano		Landscape	10
New Vellano		Landscape	5
New Vellano		Landscape	2
New Vellano		Landscape	441
New Vellano		Landscape	2
Pine Corp Center (4274439)	5825 Pine Avenue	Landscape	7
Pine Corp Center (4279489)	5825 Pine Avenue	Landscape	11
Ridgegate HOA		Landscape	12
Ridgegate HOA	16359 Canyon Rim Dr	Landscape	7
Ridgegate HOA	3989 Golden Terrace Ln	Landscape	6
Ridgegate HOA	3987 Golden Terrace Ln	Landscape	13
Ridgegate HOA	16361 Canyon Rim Dr.	Landscape	14
Ridgegate HOA	16341 Canyon Rim Dr.	Landscape	15
Rincon Park	16202 Pinehurst Drive	Landscape	19
City of Chino Hills (Continued)			
Customer	Site Address	Type	Total AF
Rincon Park	16202 Pinehurst Drive	Landscape	0
Standard Pacific	5641 Tipu Tree (4369857)	Landscape	13
Standard Pacific	5381 Tipu Tree (61613321)	Landscape	12
Standard Pacific	5488 Pine (62078505)	Landscape	6
Standard Pacific	5331 Buttonwood (62078507)	Landscape	8
Standard Pacific	5378 Pine (98650539)	Landscape	11
Standard Pacific	16791 Morning Glory (99528055)	Landscape	11
Standard Pacific	5361 Ebony (999001111)	Landscape	10
Standard Pacific	5393 Carob (99900120)	Landscape	15
Sterling Downs Apartments	16011 Butterfield Ranch Rd - (Sterling Downs	Landscape	5
Sterling Downs Apartments	16011 Butterfield Ranch Rd - (Sterling Downs	Landscape	4
Taylor Woodrow	16675 Slate (3185134)	Landscape	6

APPENDIX C
Recycled Water Users and Demands

Taylor Woodrow	5181 Fox Hall (3275266)	Landscape	6
Taylor Woodrow	5221 High View (3533362)	Landscape	2
Vellano	3230 Venezia Terrace	Landscape	12
Vellano	3199 Woodview Rd	Landscape	6
Vellano Homeowner	16525 Palmero Dr	Landscape	2
Vellano Homeowner	2535 Venazia Ter	Landscape	5
Vellano Homeowner	13875 Catena Dr	Landscape	0
Vellano Homeowner	16626 Catena Dr	Landscape	5
Vellano Homeowner	2491 Milano Terr	Landscape	7
Vellano Homeowner	16797 Palermo Dr	Landscape	6
Vellano Homeowner	16327 Aviano Ln	Landscape	0
Vellano Homeowner	3015 Aviano Ct	Landscape	7
Vellano Homeowner	16318 Aviano Ln	Landscape	4
Vellano Homeowner	16685 Palermo Dr	Landscape	5
Vellano Homeowner	2960 Venezia Ter	Landscape	7
Vellano Homeowner	3233 Venezia Ter	Landscape	9
Vellano Homeowner	16311 Aviano Ln	Landscape	8
Vellano Homeowner	2983 Aviano Ct	Landscape	4
Vellano Homeowner	2425 Milano Ter	Landscape	8
Vellano Homeowner	2421 Milano Ter	Landscape	1
Vellano Homeowner	2850 Venezia Ter	Landscape	8
Vellano Homeowner	3066 Venezia Ter	Landscape	8
Vellano Homeowner	16622 Catena Dr	Landscape	1
Vellano Homeowner	16401 Aviano Ln	Landscape	7
Vellano Homeowner	16337 Aviano Ln	Landscape	8
Vellano Homeowner	2753 Woodview Rd	Landscape	4
Vellano Homeowner	2977 Versnate Ter	Landscape	4
Vellano Homeowner	2681 Vellano Club Dr	Landscape	10
Vellano Homeowner	2308 Vellano Club Dr	Landscape	4
Vellano Homeowner	2316 Vellano Club Dr	Landscape	4
Vellano Homeowner	2312 Vellano Club Dr	Landscape	3
Vellano Homeowner	2999 Woodview Rd	Landscape	6
Vellano Homeowner	2975 Woodview Rd	Landscape	4
Vellano Homeowner	2925 Woodview Rd	Landscape	0
Wickman Elem	16250 Pinehurst Ave	Landscape	16
Chino Hills Landscape Usage (AF):			1,817
Chino Hills Total Usage (AF):			1,890

APPENDIX C
Recycled Water Users and Demands

City of Ontario			
Customer	Site Address	Type	Total AF
Bedford Properties	4100 E Jurupa	Agricultural	5
Bedford Properties	1420 S Milliken	Agricultural	2
Bedford Properties	1460 S Milliken	Agricultural	3
Calif Com Cntr Owners (North)	4205 E Airport	Agricultural	9
Calif Com Cntr Owners (North)	4205 E Airport	Agricultural	4
Chaffey High School (Valley View)	7233 E Eucalyptus	Agricultural	254
City of Ontario	2701 E Guasti	Agricultural	11
City of Ontario (Fire Station #6)	2931 E Philadelphia	Agricultural	42
City of Ontario (Fire Station #6)	2931 E Philadelphia	Agricultural	0
Cleveland Farm	14451 Bon View	Agricultural	24
Cleveland Farm	7565 Eucalyptus	Agricultural	10
Cleveland Farm	7565 Eucalyptus	Agricultural	40
Cleveland Farm	15133 Carpenter	Agricultural	305
Cleveland Farm	8061 E Edison	Agricultural	41
Cleveland Farm	7511 E Eucalyptus	Agricultural	129
Cleveland Farm	9155 E Riverside Dr.	Agricultural	101
David Li	9110 E Edison Ave	Agricultural	9
Dial Chemical	600 S Wineville Ave	Agricultural	10
Feed the Children	2551 E Philadelphia	Agricultural	1
Kohls	1051 N Milliken	Agricultural	0
LaBrucherie Farm	9343 E Edison Ave	Agricultural	483
Legend Dairies (Petersma)	7565 Eucalyptus	Agricultural	0
Lewis Farms	9491 E Edison Ave	Agricultural	95
Li Farm (Western Oriental Growers)	9119 E Schaeffer	Agricultural	251
Li Yuan Farms	9110 E Edison Ave	Agricultural	64
Li Yuan Farms	9110 E Edison Ave	Agricultural	136
Murai Farm	9091 E. Edison Ave	Agricultural	210
Murai Farm	9091 E. Edison Ave	Agricultural	318
Nexen Tire America Inc	4305 E Jurupa	Agricultural	3
Ontario Lodging Associates LLC	3663 E Guasti	Agricultural	3
Stein & Roitblat Living Trusts	701 S Dupont	Agricultural	3
Yoog II Farm Inc.	14133 Carpenter Ave	Agricultural	191
Cleveland Farm	7565 Eucalyptus	Agricultural	275
Ontario Agricultural Usage (AF):			3,033
City of Ontario Street Sweepers	1425 S Bon View	Construction	1
Ontario Construction Usage (AF):			1
Cintas	2150 Proforma Ave	Industrial	81
Shelby Office Park (PDEV04-006)	3112 E Inland Empire	Industrial	16
Temple Inland Paper	5100 Jurupa St	Industrial	891
Cintas	2150 S Proforma	Industrial	3
Ontario Industrial Usage (AF):			992
24 Hour Fitness	2580 S Archibald	Landscape	2
Acco America	2830 E Philadelphia	Landscape	2
AEG Ontario Arena	4000 E Ontario Center Pkwy(5277545)	Landscape	14
AEG Ontario Arena	4000 E Ontario Center Pkwy(5279471)	Landscape	12
AEG Ontario Arena	4000 E Ontario Center Pkwy(5284910)	Landscape	12
Akzo Nobel Coatings (Haven B)	2160 S Haven	Landscape	1
Archibald & Philadelph (03177014) 2300 S Archibald	2300 S Archibald	Landscape	0
Archibald & Philadelph (03452888) 2200 S Archibald	2200 S Archibald Ave	Landscape	6
Archibald & Philadelph (03452952) 2320-S Archibald	2320-2330 S Archibald	Landscape	3
Archibald & Philadelph (03624103) 2260 S Archibald	2260 S Archibald Ave	Landscape	6
Archibald & Philadelph (04723822) 2340 S Archibald	2340 S Archibald	Landscape	0
Arrowood Invest	2155 S Excise	Landscape	12
City of Ontario (Continued)			
Customer	Site Address	Type	Total AF
Bedford Properties	4200 E Jurupa	Landscape	4
Bellevue Cemetary	1240 W G Street	Landscape	157
Bootsma Farm	7721 E. Edison Ave	Landscape	94
BP West Coast Products,LLC #5965	4525 E Jurupa St	Landscape	1

APPENDIX C
Recycled Water Users and Demands

Caliber Collision	250 S. Wineville	Landscape	1
Caliber Collision	200 S. Wineville	Landscape	1
California Commerce Center	1 Jurupa N Side	Landscape	14
California Commerce Center	1 Jurupa N Side	Landscape	9
California Commerce Center	1 Jurupa S Side	Landscape	5
California Commerce Center	1 S Rockfeller	Landscape	4
CalTrans	2291 S Archibald Ave	Landscape	13
CalTrans	2448 S Archibald Ave	Landscape	56
Castle Industries	601 S Dupont	Landscape	2
CCC-N	300 S Milliken	Landscape	14
CCC-N	3660 E Airport	Landscape	11
CCC-N	4151 E Jurupa	Landscape	9
CCC-N	1 S Milliken	Landscape	10
CCC-N	1152 S Milliken	Landscape	15
CCC-N	1 S Rockefeller	Landscape	2
CCC-N	4081 E Airport	Landscape	6
CCC-N	1 E Jurupa	Landscape	11
CCC-N	4400 E Jurupa	Landscape	6
CCC-N	880 S Dupont	Landscape	5
CCC-N	1425 S Haven	Landscape	13
CCC-N	1119 S Milliken	Landscape	5
CCC-N	4301 E Airport	Landscape	5
CCC-N	1380 S milliken	Landscape	10
CCC-N	1 S Commerce	Landscape	12
CCC-S	2123 S Proforma Ave	Landscape	6
CCC-S	2030 S Haven	Landscape	3
CCC-S	2021 S Archibald Ave	Landscape	11
CCC-S	2626 E Cedar St	Landscape	11
CCC-S	2764 E Philadelphia	Landscape	7
CCC-S	2190 S Excise	Landscape	18
CCC-S	2924 E Philadelphia	Landscape	4
Centrelake Assn	3261 E Guasti	Landscape	37
Chaffey High School	500 W Fourth	Landscape	37
Chevron Land	840 N Haven	Landscape	20
Chevron Land	3399 E Inland Empire	Landscape	14
Chevron Land	950 N Center	Landscape	14
Chevron Land	1025 N Center	Landscape	4
Chevron Land	4198 E Concours	Landscape	11
Chevron Land	4004 E Fourth	Landscape	11
Chevron Land	4004 E Fourth	Landscape	4
Chevron Land	3500 E Concours	Landscape	9
Chevron Land	950 N Duesenberg	Landscape	3
Chevron Land	980 N Haven	Landscape	7
Chevron Land	904 N Turner	Landscape	4
Cintas	2150 Proforma Ave	Landscape	4
City of Ontario	1495 S Dupont	Landscape	4
City of Ontario	2442 S. Archibald Ave	Landscape	1
City of Ontario	610 N Turner	Landscape	12
City of Ontario	2289 S Archibald Ave	Landscape	0
City of Ontario (Continued)			
Customer	Site Address	Type	Total AF
City of Ontario (4th/Milliken Parkway)	4320 E Fourth	Landscape	6
City of Ontario (Holt/Guasti East)	1 Kline Center/Holt	Landscape	1
City of Ontario (Holt/Guasti West)	2200 E Holt	Landscape	2
City of Ontario (Soccer Complex)	2400 E Philadelphia	Landscape	50
CK Restaurants	4555 E Jurupa Street	Landscape	2
Comstock Homes	2750 E Archibald	Landscape	4
Concours Plaza	3333 E Concours	Landscape	7
Concours Retail	3491 E Concours St	Landscape	3
Corona Elementary School (OMSD)	1040 N Corona Ave	Landscape	17
Corona Elementary School (OMSD)	1040 N Corona Ave	Landscape	3

APPENDIX C
Recycled Water Users and Demands

Customized Distribution	2151 S Proforma	Landscape	21
Del Norte Elementary School	850 N Del Norte Ave	Landscape	44
Dorthy Gibson Continuation School	1800 E Seventh Street	Landscape	30
Doubletree	228 N Vineyard	Landscape	6
Doubletree	228 N Vineyard Ave	Landscape	10
Dura Coat Powder Coating	190 S. Wineville	Landscape	0
EJM Development	101 S Milliken	Landscape	2
Elderberry Elementary School (OMSD)	950 N. Elderberry Ave	Landscape	9
Ely Basin #3	2095 S Vineyard Ave	Landscape	3
Empire Towers	4200 E Concours	Landscape	4
Empire Towers	3800 E Concours	Landscape	2
Empire Towers	3633 E Inland Empire	Landscape	1
Ferrari Corporate Center LLC	4150 E Concours	Landscape	8
Fire Station	2931 Philedalphia	Landscape	1
Flags Importer	1700 S Milliken	Landscape	6
FRUIT GROWERS SUPPLY	225 S WINEVILLE AV	Landscape	34
G & K Services	3465 E Cedar	Landscape	6
Galvin Park	1 Galvin Park	Landscape	18
Galvin Park	1205 E I St	Landscape	14
Galvin Park	1 City - East I St.	Landscape	17
Galvin Park	1205 E I St	Landscape	5
Guasti Park	800 N Archibald	Landscape	38
Guasti Park	800 N Archibald	Landscape	37
Haliburton	2539 E Philadelphia	Landscape	5
Haven Ave LLC	3664 E Guasti	Landscape	4
Hino Motor Manufacturing	209 S Milliken	Landscape	4
HMC Architects	3546 E Concours	Landscape	8
Inland Empire Utilities Agency	1818 E Philadelphia	Landscape	3
IT Performance	800 S. Wineville	Landscape	2
JMS Wineville	170 S Wineville Ave	Landscape	1
Kaiser	2295 S Vineyard Ave	Landscape	43
Khaloghli, Khosro	4295 E Jurupa	Landscape	2
Landmark at Ontario Towne LLC	950 N Duesenberg	Landscape	14
Landmark at Ontario Towne LLC	950 N Duesenberg (Top)	Landscape	8
Lord Baltimore Properties	3990 E Concours	Landscape	6
M. Craitenberger	650 S. Wineville	Landscape	1
Majestic Reality	4060 E Jurupa	Landscape	6
Majestic Reality	4061 E Francis	Landscape	9
Majestic Reality	3790 E Jurupa	Landscape	3
Majestic Reality	3505 E Francis	Landscape	8
Majestic Reality	3550 E Jurupa #A	Landscape	3
Majestic Reality	4061 E Francis	Landscape	6
Majestic Reality	1500 S Dupont	Landscape	4
City of Ontario (Continued)			
Customer	Site Address	Type	Total AF
Majestic Reality	1505 S Haven #5	Landscape	5
Majestic Reality	3690 E Jurupa	Landscape	2
Majestic Reality	3551 E Francis	Landscape	10
Majestic Reality	3551 E Francis	Landscape	7
Mathis Brothers Furniture	4105 E Inland Empire	Landscape	14
Mathis Brothers Furniture	4105 E Inland Empire	Landscape	9
Mercedes Benz of Ontario	3787 E Concours	Landscape	7
Mintra Corp	1690 S Milliken	Landscape	7
Munoz Park	1200 W Fourth	Landscape	46
Niagara Water	2560 E Philadelphia St	Landscape	2
OM Guasti	2855 E Guasti	Landscape	9
Ont Convention Center	2000 E Convention Center	Landscape	18
Ont Indusruial Partn	3601 E Jurupa	Landscape	7
Ontario Airport Center	2855 E Guasti	Landscape	9
Ontario Airport Center	2777 E Guasti	Landscape	3
Ontario Airport Center	2855 E Guasti	Landscape	8

APPENDIX C
Recycled Water Users and Demands

Ontario Center (Founders Garden)	3994 E Concours	Landscape	40
Ontario Collision Center	450 S Wineville	Landscape	2
Ontario Commerce Park	801 S Dupont	Landscape	4
Ontario Commerce Park	801 S Dupont	Landscape	1
Ontario Health Education	3130 E Sedona	Landscape	20
ONTARIO MONTCLAIR	1700 E 7TH ST	Landscape	19
ONTARIO MONTCLAIR	1450 E G ST	Landscape	30
ONTARIO MONTCLAIR	1605 E D ST	Landscape	33
Ontario Motor Speedway Park	915 N. Center Ave	Landscape	16
Panattoni Developement (03453746) 2250 S Archibald	2250 S Archibald	Landscape	1
Panattoni Developement (03453746) 2250 S Archibald	2320-2330 S Archibald Ave	Landscape	1
Panattoni Development (Best Buy)	4190 E Fourth	Landscape	4
Panattoni Development (Best Buy)	4190 E Fourth	Landscape	1
Panattoni Development (MT Airport)	285 S Dupont	Landscape	3
Parks Dept. (Galanis Park)	1280 E D St.	Landscape	7
Parks Dept. (Galvin Park West)	1153 E I St.	Landscape	10
Parks Dept. (Galvin Park West)	1153 E I St.	Landscape	19
Parks Dept. (Haven Parkway)	2045 S Haven	Landscape	1
Parks Dept. (Haven Parkway)	2140 S Haven	Landscape	0
Parks Dept. (Veterans Park)	1257 E D St.	Landscape	15
People Movers	150 S. Wineville	Landscape	1
Piemonte 5-story	901 N Via Piemonte	Landscape	3
Piemonte Business Park (04306405)	4004 E Fourth	Landscape	1
Piemonte Business Park (04725037)	4004 E Fourth	Landscape	2
Piemonte Business Park (04920427)	4004 E Fourth	Landscape	1
Piemonte Business Park (04930593)	4004 E Fourth	Landscape	1
Piemonte Business Park (04934728)	4004 E Fourth	Landscape	5
Pier 1 Imports	3000 E Philadelphia	Landscape	10
Pier 1 Imports	3000 E Philadelphia St	Landscape	23
Pier 1 Imports	3000 E Philadelphia	Landscape	2
Poseidon Ontario Airport Plaza	191 N Vineyard	Landscape	3
Prologis California	4091 E Francis	Landscape	10
Prologis California	3510 E Francis	Landscape	6
Prologis California	3550 E Francis	Landscape	8
Prologis California	4060 E Francis	Landscape	11
Prologis California	3550 E Francis	Landscape	8
Prologis California	3510 E Francis	Landscape	3
City of Ontario (Continued)			
Customer	Site Address	Type	Total AF
Prologis California	4060 E Francis	Landscape	7
Roshan LLC (La Galleria at the Mills)	4323 E Mills Cir	Landscape	2
Ruth Group	3536 E Concours Dr.	Landscape	5
Shelby Office Park (PDEV04-006)	3175 E Sedona Ct	Landscape	8
Sierra Insulation	120 S Wineville	Landscape	1
T S Express	3351 E Philadelphia	Landscape	7
Target	4200 E Fourth	Landscape	9
Top & Tech	400 S. Wineville	Landscape	1
Toyota	1425 S Toyota Way(3164331)	Landscape	12
Toyota	1425 S Toyota Way(3212250)	Landscape	13
Toyota	1425 S Toyota Way(3212327)	Landscape	11
Toyota	1425 S Toyota Way (3217175)	Landscape	0
Toyota	1425 S Toyota Way(5491111)	Landscape	15
Toyota	1425 S Toyota Way(3094467)	Landscape	12
Toyota	1425 S Toyota Way	Landscape	10
Utility Board	100 S Wineville	Landscape	1
Vina Danks Junior High	1020 N Vine	Landscape	18
Vineyard Elementary School	1500 E Sixth Street	Landscape	19
Vineyard Park	1400 E 6TH	Landscape	21
Vineyard Plaza	1865 E Fourth St	Landscape	2
Vintage Apts.	955 N Duesenberg	Landscape	5
Vintage Apts.	955 N Duesenberg	Landscape	5

APPENDIX C
Recycled Water Users and Demands

Warmington Residential Comm. (04748546)	2424 E Fourth	Landscape	5
Wella Mfg	950 S Dupont	Landscape	3
Westwind Park	2522 Riverside Drive	Landscape	58
Whispering Lakes Golf Course	2525 Riverside Drive	Landscape	735
10433 4th st	190 S Wineville Ave	Landscape	0
Calif Com Cntr Owners (North)	3660 E Airport	Landscape	4
Chevron Land	3399 E Inland Empire	Landscape	4
Ont/Mont School Dist - Elem School	930 N Elderberry	Landscape	3
Ontario Airport Center	2855 E Guasti	Landscape	5
Parks Dept. (Veterans Park)	1257 E D St.	Landscape	4
Ontario Landscape Usage (AF):			2,868
Ontario Total Usage (AF):			6,894

APPENDIX C
Recycled Water Users and Demands

City of Upland			
Customer	Site Address	Type	Total AF
City of Upland	463 North Euclid Av. Median	Landscape	1
City of Upland	365 South Euclid Av. Median	Landscape	2
City of Upland	81 North Euclid Av. Median	Landscape	0
City of Upland	561 North Euclid Av. Median	Landscape	1
City of Upland	679 North Euclid Av. Median	Landscape	1
City of Upland	891 North Euclid Av. Median	Landscape	2
City of Upland	825 North Euclid Av. Median	Landscape	2
City of Upland	265 South Euclid Av. Median	Landscape	3
City of Upland	169 North Euclid Av. Median	Landscape	2
City of Upland	121 South Euclid Av. Median	Landscape	0
City of Upland	173 South Euclid Av. Median	Landscape	2
City of Upland	415 South Euclid Av. Median	Landscape	1
City of Upland	263 North Euclid Av. Median	Landscape	2
City of Upland	335 North Euclid Av. Median	Landscape	4
City of Upland	743 North Euclid Av. Median	Landscape	2
City of Upland	967 North Euclid Av. Median	Landscape	1
City of Upland / Memorial Park	1150 East Foothill Blvd.	Landscape	35
City of Upland / Memorial Park	1150 East Foothill Blvd.	Landscape	8
City of Upland / Sierra Vista Park	294 East 15th St.	Landscape	1
City of Upland / Sierra Vista Park	294 East 15th St.	Landscape	9
Foothill Knolls Elementary	1245 Veteran Ct. / In Mobile Hm Park	Landscape	5
Mountain View Estates	704 & 706 Sawtooth Dr.	Landscape	5
Sierra Vista Elementary	253 East 14th St.	Landscape	7
Upland Elementary	601 North 5th Av. / On Arrow Hwy	Landscape	1
Upland Elementary	601 North 5th Av. / On 5th Av.	Landscape	2
Upland Elementary	601 North 5th Av. / On ArrowHwy	Landscape	5
Upland Hills Country Club	1231 East 16th Street	Landscape	153
Upland JR H.S.	444 East 11th St. / On 5th Av.	Landscape	6
Western Inn	1209 East Foothill Blvd.	Landscape	1
Upland Landscape Usage (AF):			264
Upland Total Usage (AF):			264

APPENDIX C
Recycled Water Users and Demands

Cucamonga Valley Water District (CVWD)			
Customer	Site Address	Type	Total AF
Shawnee Const	Ontario mills pkwy w/o Etiwanda	Construction	8
CVWD Construction Usage(AF):			8
9373 - 9405 Haven Av Landscape (median)	11359 6th st	Landscape	6
Aloft Hotel	10480 4th Street	Landscape	5
Alta Loma High School	8880 Baseline Rd	Landscape	25
Andy's Palms	12079 Foothill	Landscape	0
ASAP power sports	9029 Rochester Ave	Landscape	2
Bass Pro Shop	7777 Victoria Park	Landscape	26
Bradshaw International, Inc	9409 Buffalo Ave	Landscape	13
Bradshaw International, Inc	9471 Buffalo Ave	Landscape	13
Cabot Industrial Trust	9357 Richmond Pl	Landscape	3
Cabot Industrial Trust	11653 6th St	Landscape	9
Cabot Industrial Trust	9370 Buffalo Ave	Landscape	3
Cal Development LLC	11530 4th St	Landscape	5
Cal Development LLC	11570 4th St	Landscape	5
Cal Development LLC	11540 4th St	Landscape	6
Cal National Bank	8047 Day Creek	Landscape	0
CIP Real Estate	9469-9485 Haven	Landscape	8
City of Fontana	7406 East Ave	Landscape	5
City of Fontana	13470 Baseline	Landscape	10
City of Fontana	13525 Baseline Rd	Landscape	11
City of Rancho Cucamonga	8404 Rochester	Landscape	5
City of Rancho Cucamonga	12500 Church Street	Landscape	2
City of Rancho Cucamonga	12510 Church	Landscape	3
City of Rancho Cucamonga	12690 Church	Landscape	5
City of Rancho Cucamonga	8408 Rochester	Landscape	3
City of Rancho Cucamonga	8408 Rochester	Landscape	5
City of Rancho Cucamonga	11768 Arrow	Landscape	1
City of Rancho Cucamonga	8408 Rochester	Landscape	13
City of Rancho Cucamonga	12910 Candlewood	Landscape	0
City of Rancho Cucamonga	8057 Day Creek	Landscape	1
City of Rancho Cucamonga	7915 Day Creek	Landscape	1
City of Rancho Cucamonga	7481 Arbor	Landscape	11
City of Rancho Cucamonga	12989 Base linee rd	Landscape	2
City of Rancho Cucamonga	7491 Arbor	Landscape	14
City of Rancho Cucamonga	7491 Arbor	Landscape	1
City of Rancho Cucamonga	8408 Rochester	Landscape	27
City of Rancho Cucamonga	8408 Rochester	Landscape	28
City of Rancho Cucamonga	10601 6th st	Landscape	1
City of Rancho Cucamonga	10801 6th Street Medians	Landscape	1
City of Rancho Cucamonga	9702 4th st pkwy	Landscape	1
City of Rancho Cucamonga	11310 Milliken & 4th st	Landscape	4
City of Rancho Cucamonga	11359 6th Street Median	Landscape	2
City of Rancho Cucamonga	11907 6th st	Landscape	1
City of Rancho Cucamonga	11067 6th st	Landscape	1
City of Rancho Cucamonga	11469 6th Street	Landscape	0
City of Rancho Cucamonga	13096 Baseline Rd	Landscape	0
City of Rancho Cucamonga	11549 6th Street	Landscape	0
City of Rancho Cucamonga	13200 Brookfield Dr	Landscape	0
City of Rancho Cucamonga	7140 East Ave	Landscape	1
City of Rancho Cucamonga	7091 East Ave	Landscape	1
City of Rancho Cucamonga	8686 Base Line	Landscape	0
City of Rancho Cucamonga	12781 Base line rd	Landscape	1
Cucamonga Valley Water District (CVWD) (Continued)			
Customer	Site Address	Type	Total AF
City of Rancho Cucamonga	8349 Baseline Rd	Landscape	0
City of Rancho Cucamonga	8355 Baseline Rd	Landscape	0
City of Rancho Cucamonga	7265 Forester	Landscape	2
City of Rancho Cucamonga	9479 Haven Ave	Landscape	3

APPENDIX C
Recycled Water Users and Demands

City of Rancho Cucamonga	8686 Base Line	Landscape	1
Comfort - Pedic Mattress USA	9080 Charles Smith Ave	Landscape	2
CPT 6th & Cleveland LLC	9199 Cleveland Building #101	Landscape	3
CPT 6th & Cleveland LLC	9199 Cleveland Building #102	Landscape	11
CVWD Recycled Water Usage (AF)	9111 Cleveland	Landscape	2
Day creek aps	7828 Day Creek	Landscape	19
Day creek aps	7828 Day Creek	Landscape	17
Earth Basics	Ontario mills pkwy west of Etiwanda	Landscape	15
Empire Lakes Golf Course	11015 6th St	Landscape	502
Etiwanda School District	13500 Victoria	Landscape	89
Facility Builders & Erectors	11846 6th Street	Landscape	2
Frito Lay Inc.	9535 Archibald	Landscape	17
Harrys Pacific Grill	8009 Day Creek	Landscape	1
Hilemen Development Co.	9670 Haven Ave	Landscape	15
Market Place Properties	9659 Milliken Ave	Landscape	12
Mission Business Center LLC	9450 Buffalo Ave	Landscape	7
Murfco INC.	11854 6th Street	Landscape	1
O & S Holdings	8252 Daycreek Blvd	Landscape	10
O & S Holdings	8051 Day Creek	Landscape	12
O & S Holdings	8251 Day Creek	Landscape	11
O&S(Foothill Crossings)	8340 Day Creek	Landscape	8
Prologis	951 Etiwanda AVE	Landscape	30
Prologis	5655 Ontario mills pkwy	Landscape	25
Prologis	5655 Ontario mills pkwy Lndsc	Landscape	4
Prologis	5655 Ontario mills pkwy Lndsc	Landscape	10
Rackafeller group	9461 - 9591 Pittsburgh ave	Landscape	3
Richard Dick & Associates	9302 Pittsburg Ave	Landscape	5
Southern California Edison	12484 6th st	Landscape	11
Stadium Plaza North	11996 Jack Benny	Landscape	4
Stadium Plaza North	8351 Rochester	Landscape	5
Stadium Plaza South	12005 Jack Benny	Landscape	4
Stadium Plaza South	8351 Rochester	Landscape	5
Stanley Steamers	9051 Rochester Ave	Landscape	2
Starbuck's Coffee	8025 Day Creek	Landscape	0
Toyota Motor Sales	9040 Charles Smith Ave	Landscape	1
Vega Industries	11933 6th st	Landscape	3
Victoria Gardens(Shea Homes)	7695 Day Creek	Landscape	11
Victoria Gardens(Shea Homes)	7695 Day Creek	Landscape	9
Victoria Gardens(Shea Homes)	12867 Church	Landscape	5
Wells Fargo Bank	8071 Day Creek	Landscape	1
City of Rancho Cucamonga	7484 Vineyard	Landscape	3
City of Rancho Cucamonga	7491 Arbor	Landscape	9
City of Rancho Cucamonga	7491 Arbor	Landscape	1
City of Rancho Cucamonga	7484 Vineyard	Landscape	13
Clark and Sons	Ontario mills pkwy w/o Etiwanda	Landscape	6
CVWD Landscape Usage (AF):			1,223
CVWD Total Usage (AF):			1,231

APPENDIX C
Recycled Water Users and Demands

Inland Empire Utilities Agency (IEUA)			
Customer	Site Address	Type	Total AF
Declez Channel Drainage System		Agricultural	0
IEUA Agricultural Usage (AF):			0
Construction Sites		Construction	0
IEUA Construction Usage (AF):			0
ESCI	RP5-SHF	Industrial	0
Genon Energy Plant	8800 Etiwanda Ave	Industrial	677
IERCF	12645 6th Street	Industrial	8
IEUA Industrial Usage (AF):			685
Chino Creek Park Evaporation		Landscape	166
Chino Creek Wetlands and Educational Park	6075 Kimball Avenue	Landscape	18
Greenlee Nursery	15993 El Prado Rd	Landscape	0
IEUA Headquarters	6075 Kimball Ave.	Landscape	1
IEUA Landscape Usage (AF):			186
7th & 8th Street	E 8th Street	Recharge	2,261
Banana Basin		Recharge	670
Brooks Basin		Recharge	1,505
Ely Basin	East Philadelphia Ave	Recharge	1,378
Hickory Basin	Arrow Hwy	Recharge	874
RP-3	RP-3 carbon Canyon	Recharge	2,198
San Sevaine No. 5		Recharge	575
Turner Basin		Recharge	176
Victoria Basin		Recharge	842
IEUA Recharge Usage (AF):			10,479
IEUA Total Usage (AF):			11,350

APPENDIX C
Recycled Water Users and Demands

Monte Vista Water District (MVWD)			
Customer	Site Address	Type	Total AF
5100 Benito	5100 Benito	Landscape	11
Alma Hoffman Park	5201 Benito Street	Landscape	12
Buena Vista Elem School	5675 San Bernardino Street	Landscape	37
City Hall	5111 Benito Street	Landscape	3
Demonstration Garden	4594 San Bernardino St.	Landscape	1
Golden Girls Park	9762 Benson Ave	Landscape	8
Golden Girls Park	9762 Benson Ave	Landscape	-8
Kingsley Elem School	5625 Kingsley Street	Landscape	22
Kingsley Park	5575 Kingsley Street	Landscape	13
Lehigh Elementary School	10200 Lehigh Avenue	Landscape	11
Library/City Hall	9955 Fremont Avenue	Landscape	6
Montclair Hi School	4700 Orchard Street	Landscape	61
Montclair Medical Center	5000 San Bernardino Street	Landscape	15
Montclair Towncenter HOA	9950 Fremont Avenue	Landscape	0
Montclair Towncenter HOA	9700 Fremont Avenue	Landscape	17
Montclair Towncenter HOA	9800 Fremont Avenue	Landscape	15
Monte Vista Elementary School	4900 Orchard Street	Landscape	17
Our Lady of Lourdes Church	5300 Orchard Street	Landscape	4
Saratoga Park	5397 Kingsley St	Landscape	44
Sunrise Park	5616 Princeton Street	Landscape	9
Sunset Park	4351 Orchard Street	Landscape	7
Sunset Park	4351 Orchard Street	Landscape	13
Wilderness Basin Park	4594 San Bernardino St.	Landscape	9
MVWD Landscape Usage (AF):			327
MVWD Total Usaga (AF):			327

APPENDIX C
Recycled Water Users and Demands

San Bernardino County			
Customer	Site Address	Type	Total AF
El Prado Golf Course	6555 Pine Ave	Landscape	314
El Prado Park	16700 S. Euclid Avenue	Landscape	1,093
SB County Landscape Usage (AF):			1,407
SB County Total Usage (AF):			1,407


INFORMATION
ITEM


3L


Date: November 19, 2014

To: The Honorable Board of Directors

Through: Public, Legislative Affairs, and Water Resources Committee (11/12/14)

From:  P. Joseph Grindstaff
General Manager

Submitted by: Chris Berch 
Executive Manager of Engineering/Assistant General Manager

 Sylvie Lee
Manager of Planning and Environmental Compliance

Subject: FY 2013/14 IEUA Annual Water Use Efficiency Programs Report

RECOMMENDATION

This is an informational item for the Board of Directors to receive and file.

BACKGROUND

Each year, Inland Empire Utilities Agency (IEUA) prepares a comprehensive water-use efficiency report which captures all of the activities from the past fiscal year. This report tracks the progress that has been made against the goals and objectives set forth in the Agency's long-term Water-Use Efficiency Business Plan. Member agencies receive service area specific activity and data, which provides the foundation for regulatory compliance with water use efficiency state statutes and Best Management Practices. In addition, the Report serves as a guide for developing the next annual budget and evaluates overall program performances.

Currently, the Agency offers a portfolio of water-use efficiency programs, which focuses on enhanced efforts to improve landscape management and reduce outdoor water use. Over the last fiscal year, there were approximately 42,597 water saving technologies/services implemented throughout the service area and includes some of the following items:

- ✓ Turf Removal
- ✓ High-Efficiency Sprinkler Nozzles
- ✓ Weather Based Irrigation Controllers
- ✓ Landscape Evaluations and Consultations

- ✓ High-Efficiency Toilets
- ✓ High Efficiency Clothes Washers, and
- ✓ Rain Barrels.

The water savings achieved through these regional demand reduction activities is estimated to be 486 acre-feet per year with an average lifetime savings of 4,216 acre-feet. This new water savings is in addition to IEUA's cumulative lifetime water savings of 101,983 acre-feet for all water conserving activities since 1992.

Water-use efficiency and conservation are key fundamentals of the Agency's long-term water resource management strategy. Policies and practices are shaped largely by core strategies and programs designed to meet the requirements of the following initiatives:

- SBX 7-7 - The Water Conservation Act of 2009 (the legislation sets an overall goal of reducing per capita urban water use by 20% by December 31, 2020)
- Assembly Bill 1420 - Mandatory Demand Management Measures Statute
- Assembly Bill 1881 - Enforcement of local water efficient landscape ordinances
- The California Urban Water Conservation Council's Best Management Practices
- State grant and loan eligibility requirements
- Future water use efficiency legislation and regulation

The sustained reduction in water use, as mandated by state legislation, will be met through IEUA's member agency regional alliance and the Agency's continued commitment to implement innovative water-use efficiency programs that create market transformations. The programs support our member agencies compliance with state statutes, and the California Urban Water Conservation Council Best Management Practices. Many of these programs have been made possible through funding partnerships with local agencies such as: Metropolitan Water District, the Department of Water Resources, the Bureau of Reclamation, and Chino Basin Water Conservation District.

These Programs are consistent with the Agency's Business Goal of increasing *Water Reliability* by promoting water use efficiency and education to enhance water supplies within the region; and meeting the region's need to develop reliable and diverse local water resources in order to reduce dependence on imported water supplies.

PRIOR BOARD ACTION

None.

IMPACT ON BUDGET

None.

Annual Water Use Efficiency Programs Report FY 2013-14



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

Annual Programs Summary

- * 42,597 water saving technologies/services implemented
- * Approximately 486 AF of annual water savings from water use efficiency activities
- * Projected lifetime water savings: 4,216 AF
- * Total Conservation Program Funding (FY 2013-2014)
 - Outside sources: \$620,043
 - Agency funding: \$271,615
 - Imported Tier II (\$752) avoided cost: \$365,472
 - Water Use Efficiency Programmatic Cost Per AF: \$211

Regional Priorities

- * IEUA's Regional Water Use Efficiency Business Plan
- * Senate Bill X7-7 - The Water Conservation Act of 2009
- * Assembly Bill 1420-Demand Management Measures
- * California Urban Water Conservation Council MOU
- * Maintain state grant and loan eligibility (IEUA & members)
- * Compliance with future WUE legislation and regulations

Regional SBX 7-7 Compliance

Year	Actual GPCD	WUE	RW	Reported GPCD*
<i>UWMP 2010 Baseline</i>				251
2010	230	3	11	216
2011	240	4	14	222
2012	245	6	16	223
2013	246	7	20	219
2014**	243	7	21	215
<i>UWMP 2015 Target</i>				226
2015**	241	8	24	209
<i>UWMP 2020 Target</i>				201
2020**	240	9	37	194

*Compliance through IEUA/Member Agency Regional Alliance

**Projection: 2015 and 2020 based upon 3-yr average of 2011-2013

Note - Targets were developed using a baseline period of 1998-2008

FY 2013-2014

Water Use Efficiency Programs

- * Landscape Transformation Program (Turf Removal)
 - Completed 65 sites-removed 57,889 square feet of lawn

- * Freesprinklernozzles.com Voucher Program
 - Residential & Commercial Customers (516 vouchers, 34,264 HE nozzles)

- * IEUA Residential Landscape Retrofit Program
 - 185 site retrofits; 299 weather-based controllers; 3,282 HE nozzles

- * IEUA Regional Landscape Evaluation and Audit Program
 - 79 Residential – 4 Commercial

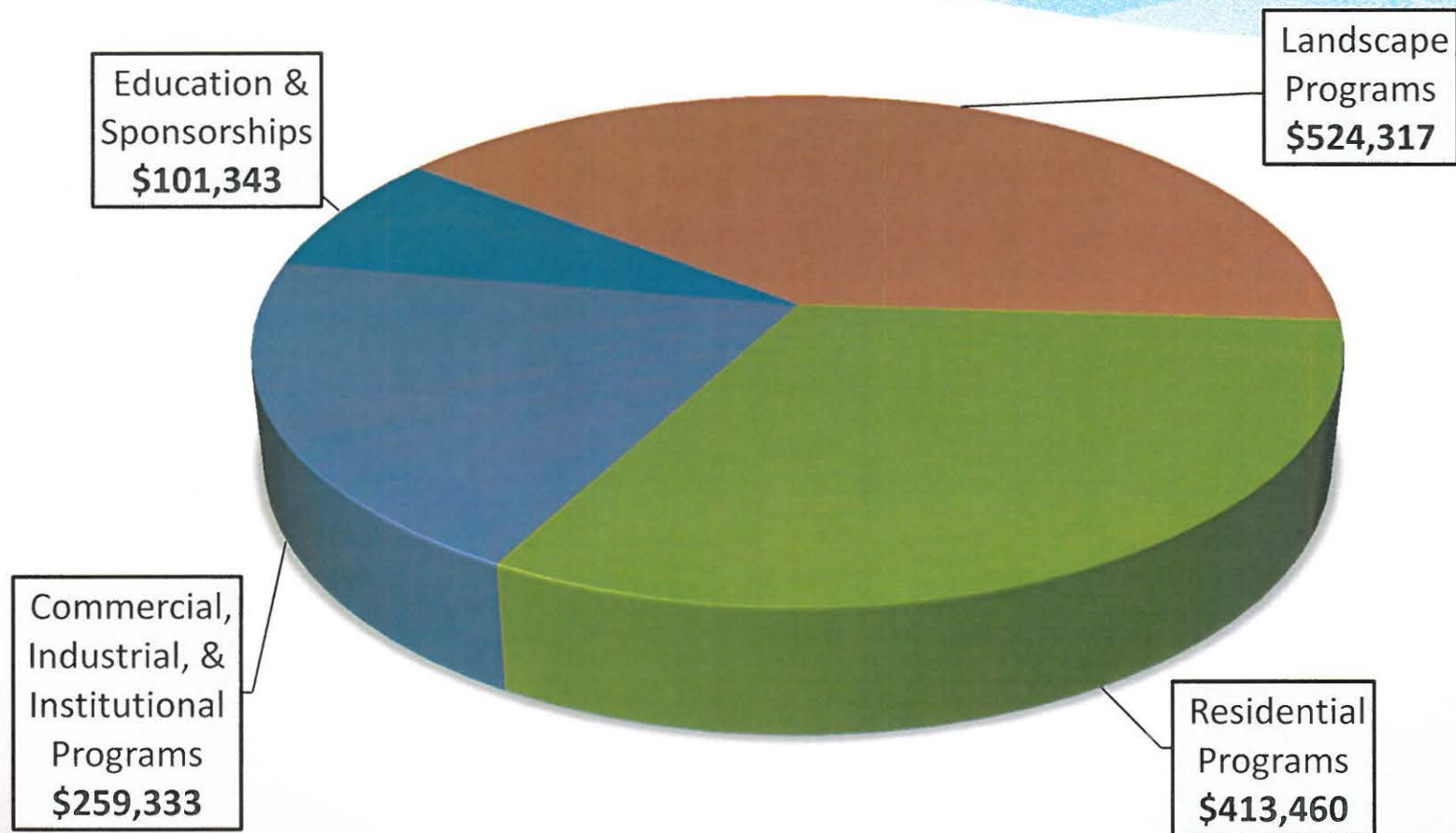
FY 2013-2014

Education & Outreach

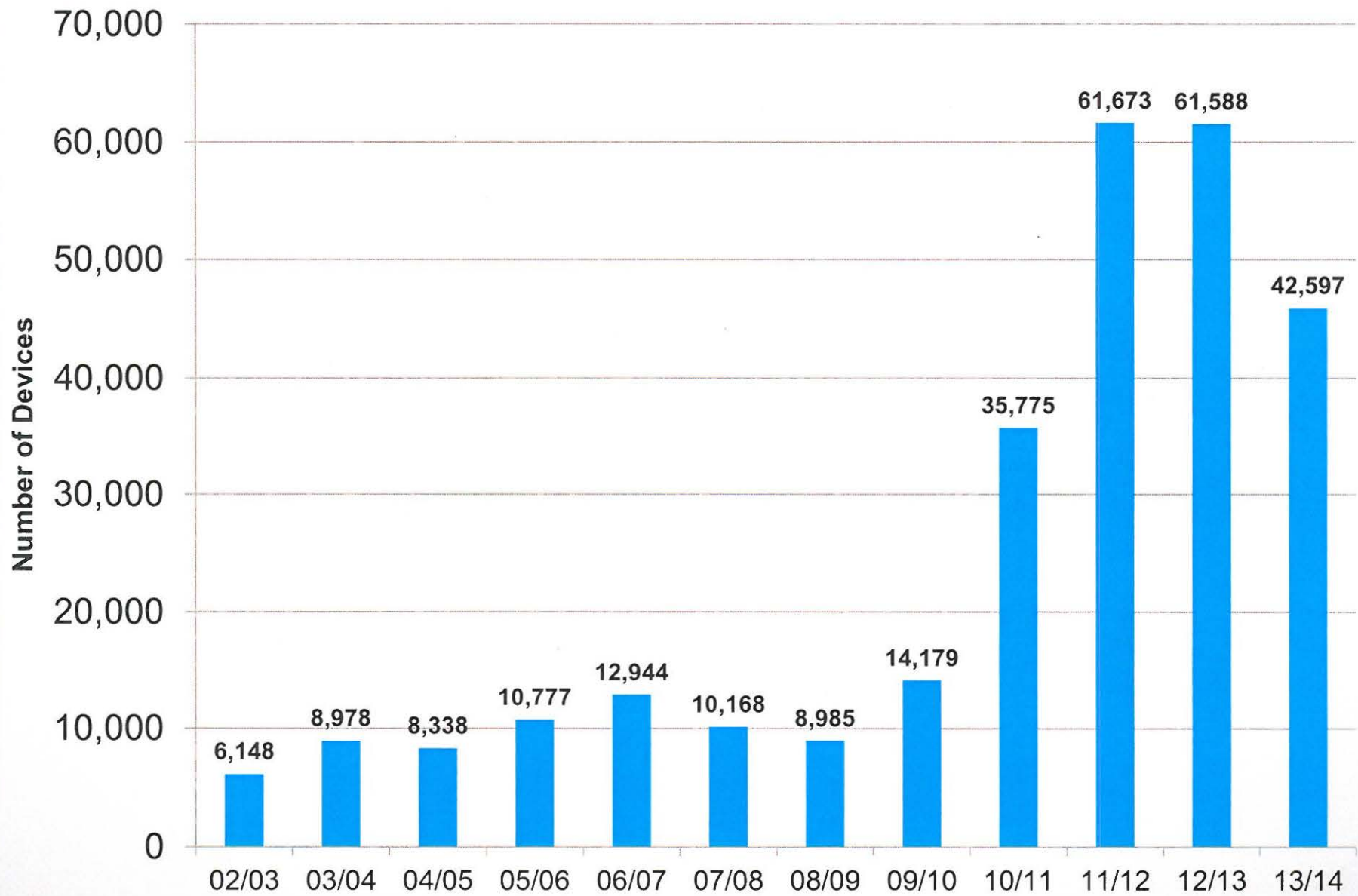
- * Residential, Commercial, Institutional, & Industrial Rebates
 - 8,018 residential and commercial rebates
- * IEUA Regional Landscape Training Classes
 - 23 residential courses conducted throughout IEUA's service areas
- * National Theatre for Children
 - 48 Theater Performances - 24,497 K-6 students, teachers & parents reached
- * Garden-In-Every School
 - 21 Garden Inspections Completed - 16,550 students, teachers, and parents reached
- * Inter-Agency Partnering Programs

FY 2013-2014 WUE Programs

For every \$1 invested, IEUA received \$1.20 in outside funding

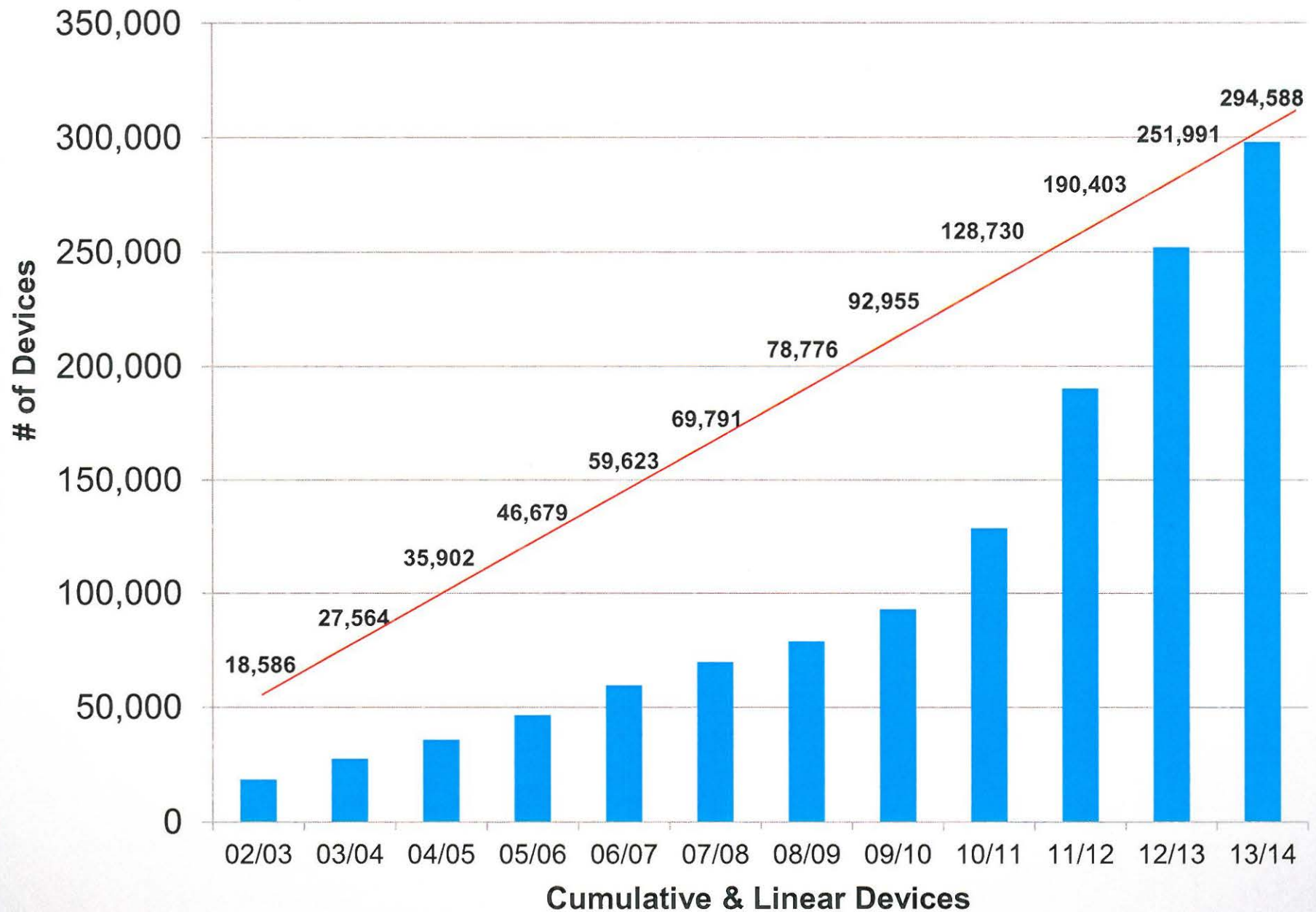


IEUA Conservation Devices Installed Annually

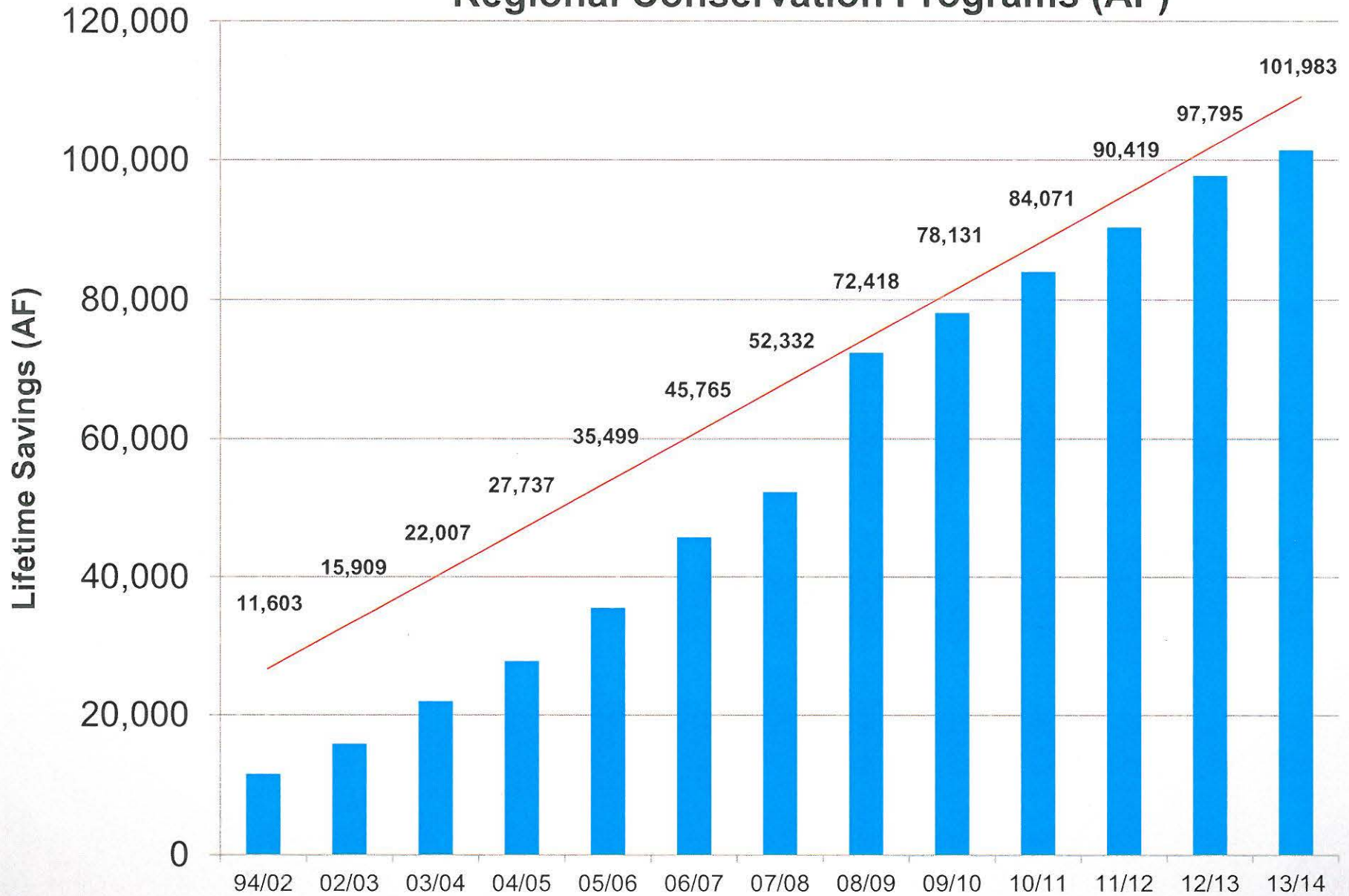


Note: Of the 42,597 devices, 38,845 represent high efficiency nozzles

IEUA Cumulative Conservation Devices Installed



IEUA Lifetime Water Savings From Regional Conservation Programs (AF)





Questions?



INFORMATION
ITEM

3M

Pretreatment & Source Control Program Update



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

September 2014

Presentation Overview

- **Regional Program**
 - Regional Wastewater Ordinance
 - Local Limits
 - Pretreatment Program Audit
- **Non-Reclaimable Wastewater System**
- **Inland Empire Brine Line**
- **Compliance Update**

Regional Wastewater Ordinance

- **Ordinance No. 97 Adopted Oct. 2014**
- **Enforcement Response Plan Approved Oct. 2014**
- **Reissue Regional Industry Permits within 90 days (25 Permits)**
- **City of Chino and Fontana Ordinance updates**

Local Limits – Pollutants of Concern

- **Draft Pollutants of Concern (POC)**
 - Metals
 - Volatile Organics
 - Di(2-ethylhexyl)phthalate
 - Nitrogen compounds
 - BOD5, TDS, TSS
 - Chloride, sulfate, fluoride, hardness
 - Cyanide-free
- **Sensitivity Analysis**

Local Limits – Next Steps

- **Draft Technical Memorandum (Nov. '14)**
- **Final Technical Memorandum (Dec. '14)**
- **Draft Interim Tables (Feb. '15)**
- **Present Draft Local Limits to Tech. Com. (Feb. '15)**
- **Local Limits Report (Mar. '15)**
- **Submit to RWQCB for approval (Apr. '15)**

Regional Pretreatment Program Audit

- **Tetra Tech conducted Pretreatment Compliance Inspection in April 2014**
- **Audit results include:**
 - Minor permit modifications
 - Incorrect test method
 - Local Limits
 - Enforcement
 - Procedural changes
- **Dental Amalgam Rule**

Non-Reclaimable Wastewater System

- **New wastewater disposal agreement effective July 1, 2014**
- **14 industries out of 37 exceeded their allocated Capacity Units (CU) in the first two months of FY 2014/15**
- **Sum of actual CU used by industries did not exceed 15,000.**

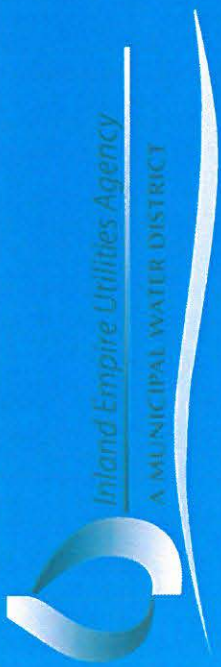
Inland Empire Brine Line

- **SAWPA/OCSD Pretreatment Compliance Inspection 2014**
- **Result of Audit findings:**
 - Ordinance Revision
 - Local Limits update
 - Inconsistencies in Pretreatment Program Documents
- **SAWPA Remedial Plan follow-up audit**
 - EEC will be conducting the audit
 - Tentatively scheduled for Dec. 2014

Compliance Update

	NRWS	IEBL	Regional
Permitted Industries	39	17	25
Enforcement Actions	43	11	20
Significant Non-Compliance	4	3	6
Permits Issued/Renewed	9	5	7
Permits Voided	0	0	2

- EPA investigation of 2 industries



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

Questions?



**AGENCY
REPRESENTATIVES'
REPORTS**

4A



S A W P A

SANTA ANA WATERSHED PROJECT AUTHORITY
11615 Sterling Avenue, Riverside, California 92503 • (951) 354-4220

WORKSHOP/REGULAR COMMISSION MEETING TUESDAY, NOVEMBER 4, 2014 – 9:30 A.M.

AGENDA

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE (Phil Anthony, Chair)

2. ROLL CALL

3. PUBLIC COMMENTS

Members of the public may address the Commission on items within the jurisdiction of the Commission; however, no action may be taken on an item not appearing on the agenda unless the action is otherwise authorized by Government Code §54954.2(b).

4. CONSENT CALENDAR

All matters listed on the Consent Calendar are considered routine and non-controversial and will be acted upon by the Commission by one motion as listed below.

- A. APPROVAL OF MEETING MINUTES: OCTOBER 21, 2014.....5
Recommendation: Approve as posted.

5. WORKSHOP DISCUSSION AGENDA

A. MS4 AND TMDL COMPLIANCE STATUS

Presenters: Jason Uhley, Chief of Watershed Protection, Riverside County Flood Control and Water Conservation District | Marc Rodabaugh, Stormwater Program Manager, San Bernardino County Flood Control District

Recommendation: Receive and file.

6. NEW BUSINESS

A. LiDAR PILOT PROJECT AGREEMENT WITH BUREAU OF RECLAMATION (CM#8943)...13

Presenter: Dean Unger

Recommendation: It is recommended that the Commission (1) authorize the transfer of \$22,605 from General Fund Licensing-100 to Fund 370-02 USBR Partnership Studies; and, (2) authorize the existing budgeted balance under 370-02 to be applied toward the remaining 50% local share.

B. REQUEST FOR PROPOSALS (RFP) – INLAND EMPIRE BRINE LINE VIDEO (CM#8944)...17

Presenter: Dean Unger

Recommendation: It is recommended that the Commission ratify issuance of a Request for Proposals (RFP) for video production services, and authorize the General Manager to enter into a contract with the qualified vendor, pending review of the proposals.

7. **OLD BUSINESS**

None.

8. **INFORMATIONAL REPORTS**

Recommendation: Receive and file the following oral/written reports/updates.

- A. **SAWPA ROUNDTABLE QUARTERLY STATUS REPORT – THIRD QUARTER**.....30

Presenter: Mark Norton

- B. **CHAIR’S COMMENTS/REPORT**

- C. **COMMISSIONERS’ COMMENTS**

- D. **DEDICATION OF THE PATTI BONAWITZ DEMONSTRATION GARDEN**

Ribbon cutting and reception following the meeting.

9. **CLOSED SESSION**

There were no Closed Session items anticipated at the time of the posting of this agenda.

10. **ADJOURNMENT**

PLEASE NOTE:

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Clerk of the Board at (951) 354-4230. Notification at least 48 hours prior to the meeting will enable staff to make reasonable arrangements to ensure accessibility to this meeting.

Materials related to an item on this agenda submitted to the Commission after distribution of the agenda packet are available for public inspection during normal business hours at the SAWPA office, 11615 Sterling Avenue, Riverside, and available at www.sawpa.org, subject to staff’s ability to post documents prior to the meeting.

Declaration of Posting

I, Kelly Berry, Clerk of the Board of the Santa Ana Watershed Project Authority declare that on Wednesday, October 29, 2014, a copy of this agenda has been uploaded to the SAWPA website at www.sawpa.org and posted in SAWPA’s office at 11615 Sterling Avenue, Riverside, California.

 /s/
Kelly Berry, CMC

2014 - SAWPA Commission Upcoming Meetings/Events

(NOTE: Unless otherwise noted, all Commission Workshops/Meetings begin at **9:30 a.m.**, and are held at SAWPA.)

November		December	
11/3 – 11/6/14	AWRA Annual Water Resources Conference, Tysons Corner, Virginia. Ron Sullivan and OWOW plans to receive awards.	Dark??	
		12/2 – 12/5/14	ACWA Fall Conference San Diego, California
11/18/14	Regular Commission Meeting		

2015 - SAWPA Commission Upcoming Meetings/Events

(NOTE: Unless otherwise noted, all Commission Workshops/Meetings begin at 9:30 a.m., and are held at SAWPA.)

<p>January</p> <p>1/6/15 Commission Workshop 1/20/15 Regular Commission Meeting</p>	<p>July</p> <p>7/7/15 Commission Workshop 7/21/15 Regular Commission Meeting</p>
<p>February</p> <p>2/3/15 Commission Workshop 2/17/15 Regular Commission Meeting</p>	<p>August</p> <p>8/4/15 Commission Workshop 8/18/15 Regular Commission Meeting</p>
<p>March</p> <p>3/3/15 Commission Workshop 3/17/15 Regular Commission Meeting</p>	<p>September</p> <p>9/1/15 Commission Workshop 9/15/15 Regular Commission Meeting</p>
<p>April</p> <p>4/7/15 Commission Workshop 4/21/15 Regular Commission Meeting</p>	<p>October</p> <p>10/6/15 Commission Workshop 10/20/15 Regular Commission Meeting</p>
<p>May</p> <p>5/5/15 Commission Workshop 5/19/15 Regular Commission Meeting</p>	<p>November</p> <p>11/3/15 Commission Workshop 11/17/15 Regular Commission Meeting</p>
<p>June</p> <p>6/2/15 Commission Workshop 6/16/15 Regular Commission Meeting</p>	<p>December</p> <p>12/1/15 Commission Workshop 12/15/15 Regular Commission Meeting</p>

**AGENCY
REPRESENTATIVES'
REPORTS**

4B



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

MWD MEETING AGENDA

Adjourned Regular Board Meeting

November 18, 2014

12:00 p.m. -- Board Room

Tuesday, November 18, 2014 Meeting Schedule		
7:00-8:00 a.m.	Rm. 2-413	Dir. Computer Training
8:30 a.m.	Rm. 2-145	L&C
10:00 a.m.	Rm. 2-456	OP&T
12:00 p.m.	Board Room	Board Meeting

MWD Headquarters Building

• 700 N. Alameda Street

• Los Angeles, CA 90012

1. Call to Order

- (a) Invocation: Denician Parrish, Administrative Assistant II, Water System Operations Group
- (b) Pledge of Allegiance: Director Larry McKenney

2. Roll Call

3. Determination of a Quorum

4. Opportunity for members of the public to address the Board on matters within the Board's jurisdiction. (As required by Gov. Code § 54954.3(a))

4A. Presentation by Karen Ross, Secretary, California Department of Food and Agriculture

5. OTHER MATTERS

- A. Approval of the Minutes of the Meeting for October 14, 2014. (A copy has been mailed to each Director)
Any additions, corrections, or omissions
- B. Report on Directors' events attended at Metropolitan expense for month of October
- C. Approve Resolution for Metropolitan's Partnership with Palo Verde Irrigation District on the 10th anniversary of the Palo Verde Land Management, Crop Rotation and Water Supply Program. (Exec)
- D. Approve committee assignments
- E. Chairman's Monthly Activity Report
- F. Report from Executive Committee on nominations
- G. Approve waiving Section 2201(b) of the Administrative Code regarding the Board Secretary to serve a third full two-year term
- H. Nomination and election of Board Secretary for two-year term effective January 1, 2014

6. DEPARTMENT HEADS' REPORTS

- A. General Manager's summary of Metropolitan's activities for the month of October
- B. General Counsel's summary of Legal Department activities for the month of October
- C. General Auditor's summary of activities for the month of October
- D. Ethics Officer's summary of activities for the month of October

7. CONSENT CALENDAR ITEMS — ACTION

- 7-1 Appropriate \$1.58 million; and authorize design and procurement to replace valves on the Palos Verdes Feeder and Middle Feeder (Approps. 15441 and 15480). (E&O)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is categorically exempt, and

- a. Appropriate \$1.58 million; and
- b. Authorize design and procurement to replace valves on the Palos Verdes and Middle Feeders.

- 7-2 Appropriate \$1.95 million; and authorize: (1) design of seismic upgrades to the electrical switch houses at the Colorado River Aqueduct pumping plants; (2) agreement with Degenkolb Engineers for design services; and (3) agreement with Fugro West, Inc. for geotechnical investigations (Approp. 15438). (E&O)

Recommendation:

Option #1:

Adopt the CEQA determination that this action is categorically exempt, and

- a. Appropriate \$1.95 million;
- b. Authorize final design of seismic upgrades to the electrical switch houses at the Colorado River Aqueduct;
- c. Authorize agreement with Degenkolb Engineers in an amount not to exceed \$510,000; and
- d. Authorize agreement with Fugro West, Inc. in an amount not to exceed \$450,000.

(END OF CONSENT CALENDAR)

8. OTHER BOARD ITEMS — ACTION

- 8-1 Approve the proposed terms for Purchase Orders with Member Agencies; authorize the General Manager to execute Purchase Orders with Member Agencies consistent with the proposed terms; and approve the Proposed Amendments to the Administrative Code. (F&I)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is not defined as a project and is not subject to CEQA, and

- a. Approve the proposed terms for Purchase Orders with member agencies as outlined in Attachment 1 to the board letter;**
- b. Authorize the General Manager to execute the Purchase Order with member agencies opting to execute the Purchase Order consistent with the proposed terms, in a form approved by the General Counsel; and**
- c. Approve amendment of Sections 4120, 4122, 4401, 4404, and 4507 of the Administrative Code as shown in Attachment 3 to the board letter.**

- 8-2** Authorize the execution and distribution of (1) the Official Statement in connection with the issuance of the Waterworks General Obligation Refunding Bonds, 2014 Series A; and (2) Remarketing Statements in connection with the remarketing of the Water Revenue Refunding Bonds (Index Mode), 2011 Series A-1 and A-3, and 2009 Series A-2. (F&I)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed project is not defined as a project and is not subject to CEQA, and

- a. Approve the draft Official Statement and draft Remarketing Statements substantially in the form attached to the board letter**
- b. Authorize the General Manager to finalize, with changes approved by the General Manager and General Counsel, and execute the Official Statement and Remarketing Statements; and**
- c. Authorize distribution of the Official Statement and Remarketing Statements in connection with remarketing and marketing of the related Bonds.**

- 8-3** Appropriate \$3.7 million; and authorize design to repair the pipe lining in the southern reach of the Orange County Feeder (Approp. 15377). (E&O)

Recommendation:

Option #1:

Adopt the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program, and

- a. Appropriate \$3.7 million; and**
- b. Authorize final design to repair the pipe lining in the southern reach of the Orange County Feeder.**

- 8-4 Appropriate \$3.93 million; and award \$2,155,000 Professional Services Agreement to Application Software Technology Corporation to upgrade Metropolitan's Oracle Financial Application and deploy an integrated Travel Expense Reimbursement Module (Approp. 15484). (OP&T)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed actions are not defined as a project and are not subject to CEQA, and

- a. **Appropriate \$3.93 million; and**
- b. **Award \$2,155,000 professional services agreement to Application Software Technology Corporation to upgrade Metropolitan's Oracle Financial Application and deploy Oracle's iExpenses module.**

- 8-5 Award contract to Shared Solutions and Services, Inc. in an amount not to exceed \$3.86 million to replace Metropolitan's telephone system (Approp. 15376). (OP&T)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is not defined as a project and is not subject to CEQA, and award an agreement to Shared Solutions and Services, Inc. in an amount not to exceed \$3.86 million to replace Metropolitan's telephone system.

- 8-6 Authorize an increase of \$40 million for conservation incentives and increase the contract capacity of the five year agreement with Electric and Gas Industries Association for Metropolitan's regional conservation rebate program. (WP&S) **(To be mailed separately)**
- 8-7 Authorize the execution of a cost-share agreement among the participating urban water agencies in an amount not to exceed \$750,000 for the Bacon Island Levee Rehabilitation Project in the Sacramento-San Joaquin Delta. (WP&S) **(To be mailed separately)**
- 8-8 Report on water diversions in the Bay-Delta and request authority to initiate an administrative claim or other appropriate action regarding illegal diversion of stored water. (L&C) **(To be mailed separately)**
[Conference with legal counsel—anticipated litigation (one case); to be heard in closed session pursuant to Gov. Code Section 54956.9(d)(4)]

9. BOARD INFORMATION ITEMS

None

10. FUTURE AGENDA ITEMS

11. OTHER MATTERS

- a. AB 1234 Ethics Training

12. ADJOURNMENT

NOTE: At the discretion of the Board, all items appearing on this agenda and all committee agendas, whether or not expressly listed for action, may be deliberated and may be subject to action by the Board.

Each agenda item with a committee designation will be considered and a recommendation may be made by one or more committees prior to consideration and final action by the full Board of Directors. The committee designation appears in parentheses at the end of the description of the agenda item e.g. (E&O, F&I). Committee agendas may be obtained from the Board Executive Secretary.

Writings relating to open session agenda items distributed to Directors less than 72 hours prior to a regular meeting are available for public inspection at Metropolitan's Headquarters Building and on Metropolitan's Web site <http://www.mwdh2o.com>.

Requests for a disability related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting should be made to the Board Executive Secretary in advance of the meeting to ensure availability of the requested service or accommodation

**AGENCY
REPRESENTATIVES'
REPORTS**

4C



Regional Sewerage Program Policy Committee Meeting

AGENDA

Thursday, November 6, 2014

4:30 p.m.

Location

Inland Empire Utilities Agency
6075 Kimball Avenue
Chino, CA 91710

Thursday, November 6, 2014

Call to Order and Roll Call

Pledge of Allegiance

Public Comment

1. Technical Committee Report – Ryan Shaw (Oral)

2. Approval of Minutes

A. Minutes of June 5, 2014 Meeting

3. Informational Items

A. Proposition 1E Grant Update (Written)

B. Regional Contract Update (Written)

C. FY13/14 Building Activity Summary and Ten-Year Growth Survey
(PowerPoint)

D. Drought Update (PowerPoint)

E. Recycled Water Program Overview (PowerPoint)

4. Receive and File

A. 4th Quarter Budget Variance

B. AAA Rating Analysis

C. Recycled Water Operations Summary

D. Recycled Water FY13/14 Update

5. Other Business

A. IEUA General Manager's Update

B. Committee Member Requested Agenda Items for Next Meeting

C. Committee Member Comments

D. Next Meeting – December 4, 2014

6. Adjournment

DECLARATION OF POSTING

I, Cheyanne Reseck-Francis, Administrative Assistant of the Inland Empire Utilities Agency, A Municipal Water District, hereby certify that a copy of this agenda has been posted by 5:30 p.m. in the foyer at the Agency's main office, 6075 Kimball Avenue, Building A, Chino, CA on Thursday, October 30, 2014.



Cheyenne Reseck-Francis

**AGENCY
REPRESENTATIVES'
REPORTS**

4D

**CHINO BASIN WATERMASTER
WATERMASTER BOARD MEETING**

11:00 a.m. – October 23, 2014

WITH

Mr. Robert "Bob" Craig – Chair

Mr. Steve Elie – Vice-Chair

At The Offices Of

Chino Basin Watermaster

9641 San Bernardino Road

Rancho Cucamonga, CA 91730

AGENDA

CALL TO ORDER

PLEDGE OF ALLEGIANCE

PUBLIC COMMENTS

AGENDA - ADDITIONS/REORDER

I. CONSENT CALENDAR

Note: All matters listed under the Consent Calendar are considered to be routine and non-controversial and will be acted upon by one motion in the form listed below. There will be no separate discussion on these items prior to voting unless any members, staff, or the public requests specific items be discussed and/or removed from the Consent Calendar for separate action.

A. MINUTES

1. Minutes of the Watermaster Board meeting held September 25, 2014

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of August 2014
2. Watermaster VISA Check Detail for the month of August 2014
3. Combining Schedule for the Period July 1, 2014 through August 31, 2014
4. Treasurer's Report of Financial Affairs for the Period August 1, 2014 through August 31, 2014
5. Budget vs. Actual Report for the Period July 1, 2014 through August 31, 2014

C. AMENDMENT TO MWD DRY YEAR YIELD AGREEMENT

Approve Amendment No. 8 to the MWD Dry Year Yield Agreement and authorize the General Manager to execute the agreement.

II. BUSINESS ITEMS

A. PHYSICAL SOLUTION TRANSFER RATE SUBSTITUTION

Approve the proposed FY 2014/15 substitute Physical Solution Transfer rate, and approve Watermaster legal counsel's filing of motion for Court approval of the same.

B. SAFE YIELD RECALCULATION AND RESET (DISCUSSION ONLY)

Review staff's proposal as requested by the Board. If the Board desires, direct staff to prepare a pleading for review at the November 20, 2014 Board meeting.

III. REPORTS/UPDATES

A. LEGAL COUNSEL REPORT

1. West Venture
2. Waters of the United States Rulemaking

B. CFO REPORT

None

C. ENGINEER REPORT

1. Proposition 1E Grant Transfer Support
2. Prado Basin Habitat Sustainability Program

D. GM REPORT

1. November Meeting Schedule

IV. INFORMATION

1. Cash Disbursements for September 2014
2. 2014/15 First Interim Organization Performance Report

V. BOARD MEMBER COMMENTS

VI. OTHER BUSINESS

VII. CONFIDENTIAL SESSION - POSSIBLE ACTION

Pursuant to Article 2.6 of the Watermaster Rules & Regulations, a Confidential Session may be held during the Watermaster committee meeting for the purpose of discussion and possible action.

VIII. FUTURE MEETINGS AT WATERMASTER


10/21/14	Tue	2:00 p.m.	Assessment Package Workshop
10/23/14	Thu	9:00 a.m.	Land Subsidence Committee
10/23/14	Thu	11:00 a.m.	Watermaster Board
10/28/14	Tue	9:00 a.m.	Groundwater Recharge Coordinating Committee (at CBWCD)
11/06/14	Thu	10:00 a.m.	Safe Yield Recalculation and Related Matters
11/13/14	Thu	9:00 a.m.	Appropriative Pool
11/13/14	Thu	11:00 a.m.	Non-Agricultural Pool
11/13/14	Thu	1:30 p.m.	Agricultural Pool
11/20/14	Thu	8:00 a.m.	Joint IEUA/CBWM Recharge Improvement Projects
11/20/14	Thu	9:00 a.m.	Advisory Committee
11/20/14	Thu	10:00 a.m.	Safe Yield Recalculation and Related Matters*
11/20/14	Thu	11:00 a.m.	Watermaster Board

ADJOURNMENT

*This meeting will take place immediately following the Advisory Committee meeting.

Date: November 19, 2014

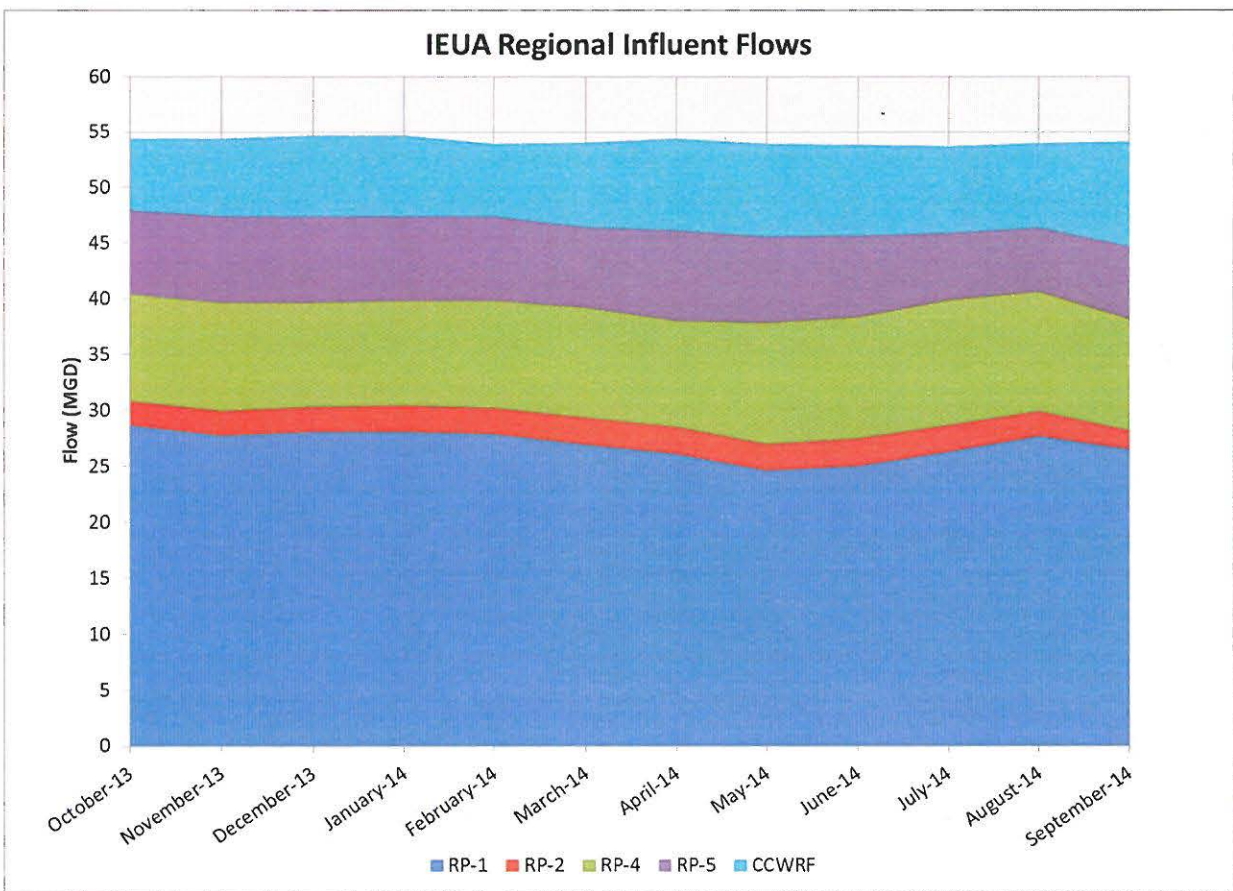
To: The Honorable Board of Directors

From:  P. Joseph Grindstaff
General Manager

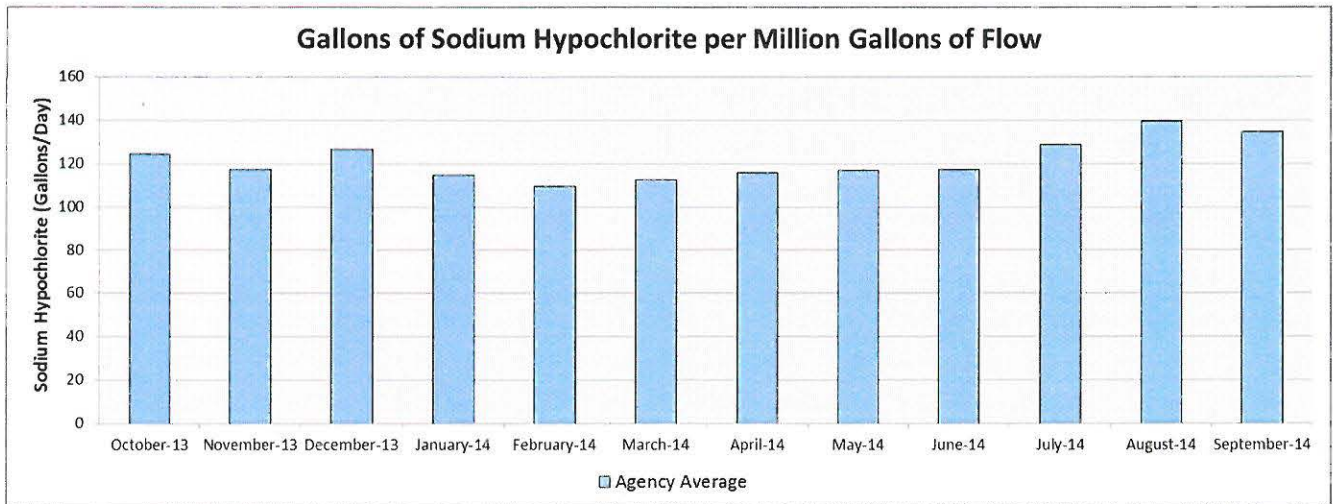
Subject: General Manager's Report Regarding Agency Activities

OPERATIONS UPDATE

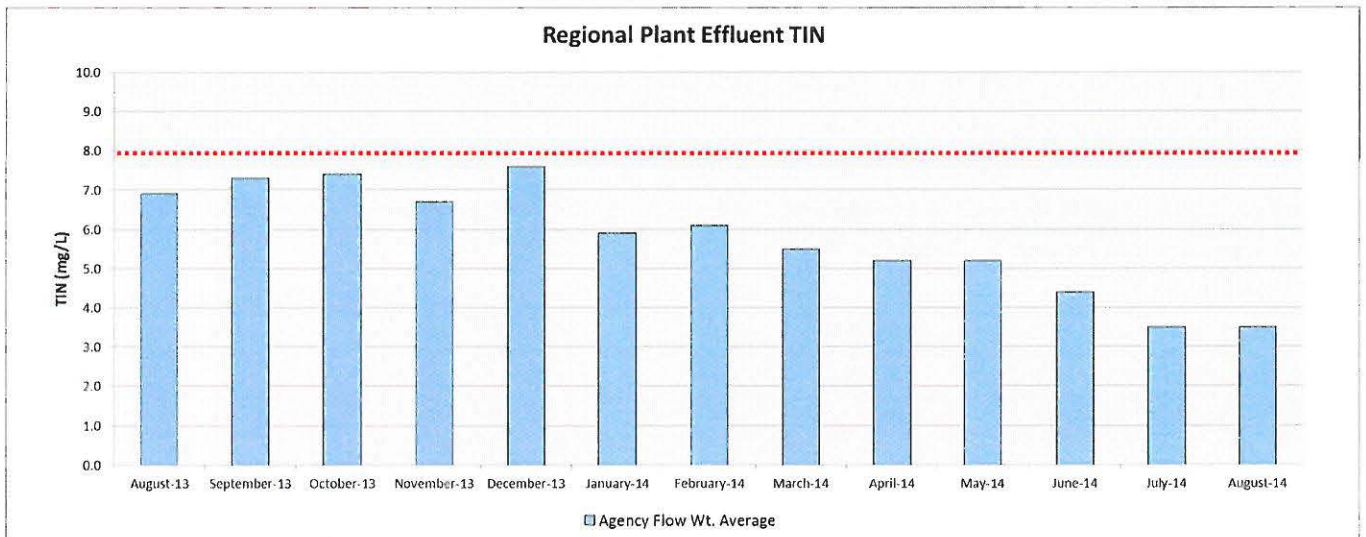
Regional Plant influent flows during the month of September continued to be consistent with the flow received during the previous month. Agency wide average daily influent flow for the month of September was approximately 54 million gallons per day.



September 2014, Regional Plant sodium hypochlorite consumption averaged 135 gallons per million gallons of treated flows.



Agency flow weighted Total Inorganic Nitrogen (TIN) was 3.5 mg/L for the month of August.



IERCF UPDATE

Operational Comments – Facility throughput for October averaged approximately 98% of permitted capacity at an average of 429 tons per day of biosolids and 153 tons per day of amendments (based on a 30 day month). The facility is operating well with no violations or lost time incidents.

Facility Throughput

POTW	Wet Tons Month	Wet Tons Year to Date
LACSD	8,353.92	81,805.81
IEUA	4,521.44	43,409.61
Total	12,875.36	125,215.42

Compost Sales –October sales volumes increased by over 6,000 cubic yards compared to last year. Five new customers were added in October and compost inventory in the storage facility was reduced to 12,000 cubic yards with a capacity of 38,000 cubic yards.

Monthly Sales Summary October 2014

Month	Product	Cyds	Av. \$/cyd	Total \$
October	Premium	9,103.43	\$3.48	\$22,531.05
	Base	22,383.94	\$0.40	\$9,021.51
Total		31,487.37	\$1.00	\$31,552.56

YTD Sales Summary through October 2014

Month	Total Cyds 2014/2015	Total Cyds 2013/2014	Total \$ 2014/2015	Total \$ 2013/2014
July	23,882.49	18,501.14	\$39,474.57	\$47,324.52
August	25,621.25	16,818.80	\$27,575.69	\$44,837.97
September	33,184.90	18,837.71	\$37,732.49	\$42,131.44
October	31,487.37	25,034.52	\$31,552.56	\$40,585.79
Total	114,176.01	79,192.17	\$136,335.31	\$174,879.72
Average	28,544.00	19,798.04	\$34,083.83	\$43,719.93

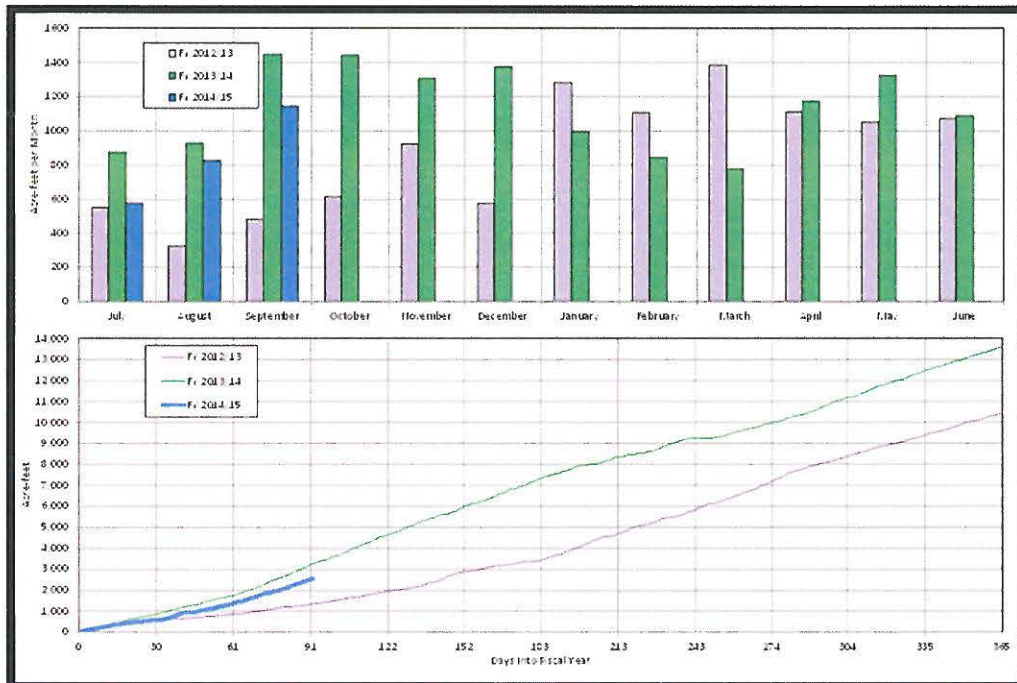
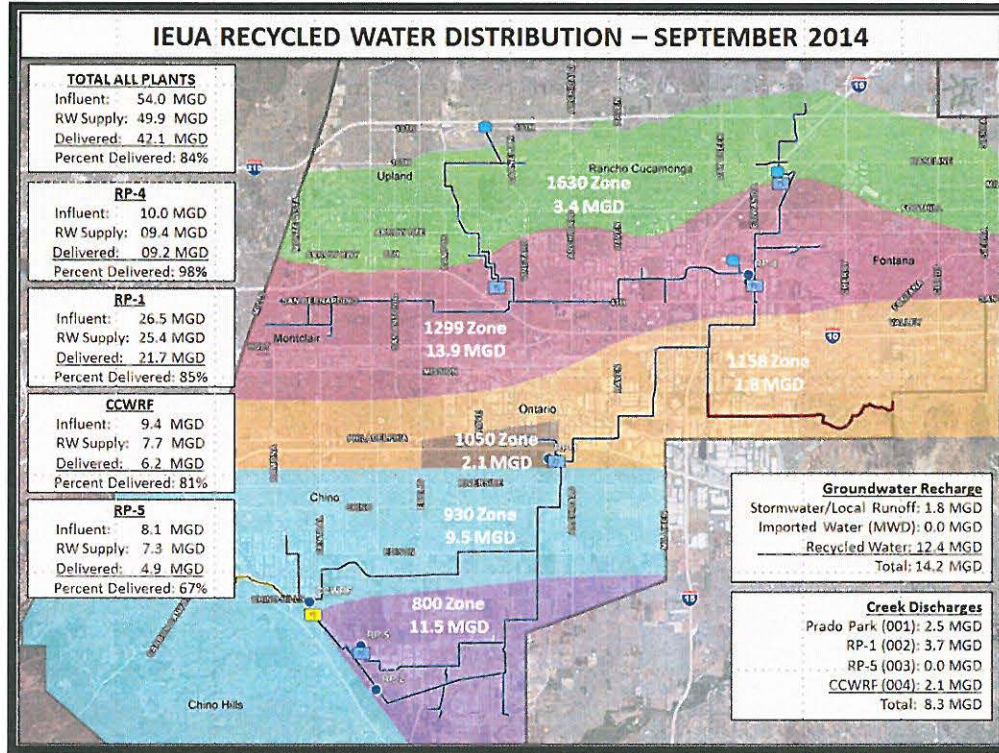
GROUNDWATER RECHARGE

During September 2014, recycled water recharge totaled 1,145 acre-feet and there was no imported water delivered for recharge. The capture of dry weather creek flows totaled 112 acre-feet. Two thunderstorms contributed an additional 51 AF of stormwater.

SUMMARY OF CHINO BASIN GROUNDWATER RECHARGE OPERATIONS					
September 2014					
Drainage System	Recharge Volume (AF)*			Management Zone Subtotals	
	Basin	SW/LR	MW		RW
San Antonio Channel Drainage System					
College Heights	-	-	N	MZ-1 204 AF**	
Upland	-	-	N		
Montclair 1, 2, 3 & 4	2	-	N		
Brooks	1	-	157		
West Cucamonga Channel Drainage System					
8th Street	14	-	32	MZ-2 719 AF**	
7th Street	-	-	-		
Ely 1, 2, & 3	15	-	121		
Minor Drainage					
Grove	5	N	N		
Cucamonga and Deer Creek Channel Drainage Systems					
Turner 1 & 2	54	-	128		
Turner 3 & 4	-	-	-		
Day Creek Channel Drainage System					
Lower Day	1	-	X		
Etiwanda Channel Drainage System					
Etiwanda Debris	-	-	X		
Victoria	2	-	155		
San Sevaine Channel Drainage System					
San Sevaine 1, 2, 3, & 4	1	-	-		
San Sevaine 5	-	-	1		
West Fontana Channel System					
Hickory	-	-	236		
Banana	-	-	72		
Declez Channel Drainage System					
RP3 Cells 1,3, & 4	24	-	243	MZ-3 385 AF**	
RP3 Cell 2	16	-	-		
Declez	30	-	-		
Non-Replenishment Recharge**					
Brooks (MVWD) MZ-1	-				
Montclair (MVWD) MZ-1	(2)				
Turner (SAWCO) MZ-2	-				
Month Total = 1,308 AF	163	-	1,145	September 2014	
Fiscal Year to Date Total				Fiscal Year to Date	
Since July 1, 2014 = 2,969 AF	425	-	2,544		
Calendar Year to Date Total				Calendar Year to Date	
Since Jan. 1, 2014 = 12,074 AF	2,513	0.0	9,561		
SW : Storm Water, LR : Local Runoff (and GE, MVWD), MW: MWD Imported Water, RW : Recycled Water - : No stormwater/local runoff, or basin not in use due to maintenance or testing. X : Tismouts not available - to be installed during future projects. N : No turnout planned for installation. * : Data are preliminary based on the data available at the time of this report preparation. ** : Management Zone Sub totals have deducted from them any Non-Replenishment Recharge, which is recharge originating from pumped groundwater and is not new water.					
Printed: Oct 01, 14					

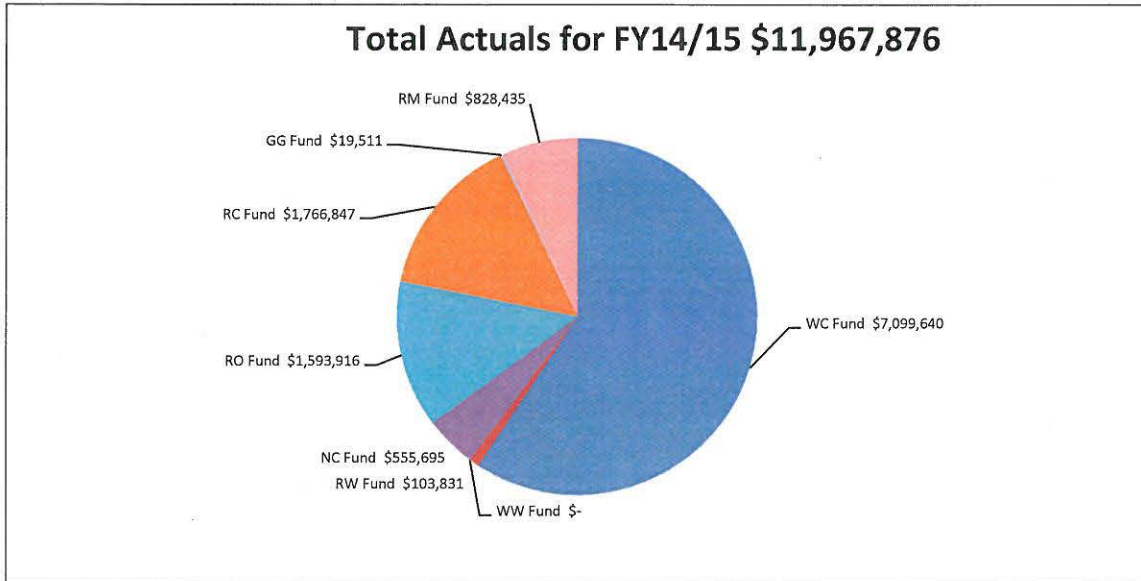
RW DISTRIBUTION

During September 2014, 84% (42.1 MGD) of IEUA recycled water supply (49.9 MGD) was delivered into the distribution system for both direct use customers (29.7 MGD) and groundwater recharge (12.4 MGD). Plant discharge to creeks feeding the Santa Ana River averaged 8.3 MGD.



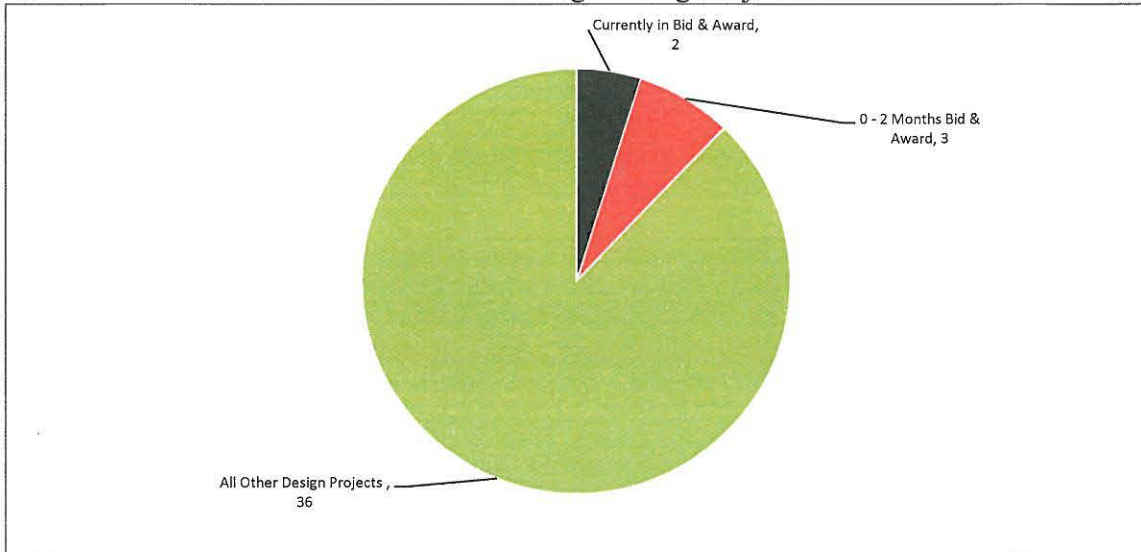
ENGINEERING AND CONSTRUCTION MANAGEMENT

Engineering and Construction Management's FY14/15 budget is \$49,327,096. Staff has projected to spend \$42,797,638 during FY14/15 of which \$11,967,876 has been expended. The following charts summarize the Engineering and Construction Management project status update.



Engineering Project Status

41 Active Engineering Projects



3 Project Currently in Bid & Award

- RAI4004.00 IERCF Harmonic Filters Air Conditioning
- EN13016.00 SCADA Enterprise System

3 Projects Currently in 0-2 Months Bid & Award

- EN13046.00 RP1 Flare System Improvements
- EN13051.00 1630 E RW Pipeline Surge Tank Replacement
- EN15047.00 1630W.RWPS Check Valves Replacement

Construction Project Status

	Project ID	Project Title	Description	Total Project Budget (\$)	Total Cost to Date (\$)	FY Budget (\$)	FY Cost to Date 2015 (\$)	September's CO's Processed (\$)	Total Project CO's (%)	% Project Complete	Original Operational Date	Estimated Operational Date
1	EN06025	Wineville Ext Recy Wtr Pipline Seg A	Construct RWP along Wineville to RP-3, Declerz and two turnout	17,965,518	2,806,945	3,236,749	503,911	0	0.00%	45.40%	23-Sep-15	25-Sep-15
2	EN09021	RP-4 Headworks Retrofit	Improve access @ Headworks for Ops and Maint & replace gates	2,185,900	1,133,298	1,030,075	267,825	10,613	0.94%	73.79%	31-Mar-15	17-Jul-15
3	EN11035	Philadelphia Pump Station Upgrades	Upgrade Force Main to 12-inch and replace surge protection pipe	2,381,100	820,625	1,410,742	252,823	11,164	0.81%	88.41%	16-Feb-15	29-Dec-14
4	EN12019	GWR and RW Comm. Sys. Upgrades	Upgraded SCADA system to provide complete control & monitoring of the GWR & RW SCADA	1,594,400	182,365	650,000	5,707	0	0.00%	20.21%	2-Jul-15	30-Jul-15
5	EN12022	RP-1 Aeration Ducting	Replacement of leaking air pipe coupling for RP-1 Aeration Basin	1,256,000	509,586	793,546	47,132	-138,210	-14.05%	76.94%	25-May-14	2-Jan-15
6	EN13023	930 Zone RW Pipeline Construction	13,000 linear feet of 30-inch Recycled Water Pipeline	15,228,329	12,403,323	7,529,744	4,386,134	5,962,873	99.26%	93.06%	1-Jul-14	29-Dec-14
7	EN13029	Turner 1 Turnout & Deer Creek Drop-Inlet Mods	Turnout within Basin 1 of approx. 200 LF of 16-inch steel pipe	1,025,000	517,701	524,801	17,502	0	0.00%	99.94%	8-Jul-14	4-Sep-14
8	EN13038	RP-1 Outfall Relocation & Upsizing	Construct 72" PL along the flood control channel right-of-way	5,200,000	2,961	5,200,000	2,961	0	0.00%	22.28%	29-May-15	15-Jun-15
9	EN13040	Prado Dechlor Communication System	Communication monopole in the southern area to communicate with the RP-5	200,000	114,881	162,000	58,616	0	0.00%	39.86%	30-Jun-15	12-May-15
10	EN13042	Philly Pump Station Communication System	Communication monopole at the Philadelphia PS & integrate with communication network.	200,000	72,073	260,963	34,155	0	0.00%	38.00%	30-Jun-15	12-May-15
11	EN13043	Montclair Lift Stn Communication System	Communication monopole at Montclair LS to become part of the communication network.	200,000	100,153	165,000	55,872	0	0.00%	39.44%	30-Jun-15	13-May-15
12	EN13045	Wineville RW Extension Segment B	Install 2.8 miles of 30" RWP & to the associated appurtenances	11,880,300	156,851	3,000,000	56,403	0	0.00%	36.36%	15-Oct-15	6-Aug-15
13	EN13047	RP-5 Standby Generators Control Mods	Design, procure & install new control components, programming	417,000	145,158	306,162	59,320	0	0.00%	82.89%	15-Jan-15	24-Nov-14
14	EN13053	RP-2 GT Splitter Box Gates Replacement	Replacement of existing slide gates and frames	175,000	133,715	127,250	105,872	69,236	77.16%	88.99%	-	19-Sep-14
15	EN13054	Montclair Lift Station Upgrades	Eliminate the ragging problem due to diverted flows from RP1	3,591,600	994,354	2,577,831	336,527	30,949	0.98%	77.21%	1-May-15	26-Feb-15
16	EN13056	Agency-Wide HVAC Improvements- Pckg No. 2	design, procurement and installation of all necessary HVAC equipment	1,086,500	58,551	750,023	22,075	0	0.00%	34.27%	14-Jun-15	2-Apr-15
17	EN14012	RP-2 Drying Beds Rehabilitation	Evaluate drying beds, and implementing improvements	1,818,400	61,938	1,278,279	14,210	0	0.00%	9.16%	21-Jun-15	31-Mar-15
18	EN14027	CCWRF Secondary Clarifier No. 3 Rehab	Rehab Secondary Clarifier at CCWRF	1,540,600	185,351	864,964	150,314	0	0.00%	44.50%	20-Jul-15	29-May-15
19	EN14035	NRW Collection System Repair Phase 4 - Rehab	Lower existing 22 NRW manholes from 5 ft above grade so the rim will be 12"	762,900	143,050	478,882	16,919	0	0.00%	36.55%	15-Mar-15	25-Feb-15
20	EN14037	Sewer Collection System Manhole Rehabilitations	Rehabilitation of 40 manholes within the Regional Sewer System	1,712,000	76,606	546,544	11,150	0	0.00%	30.93%	15-Mar-15	11-Mar-15
21	EN14040	Jurupa Pump Station HVAC Improvements	Design, procure and install new conditioning sys at Electrical Room	185,200	77,474	164,081	56,355	0	0.00%	97.78%	16-Oct-14	25-Jul-14
22	EN14050	Collection System Repairs Phase V	Repair 960lf of PL & secure permits & easements, control traffic and bypass the WW flow	561,800	91,889	407,868	32,296	0	0.00%	99.52%	16-Oct-14	10-Oct-14
23	EN14051	RP1 Centrifuge Stair and Catwalk Installation	New stairway access, catwalk, connecting bridge and portable lift	532,000	268,290	461,083	197,373	0	0.00%	83.99%	30-May-14	26-Nov-14
24	EN14052	RP1 Primary Clarifier West Effluent PL Rplcment	Replace effluent pipeline w/vitrified clay pipe and extend life	970,000	808,202	470,502	308,705	0	0.00%	78.14%	30-May-14	26-Nov-14
25	EN15037	NRW Manhole Upgrades	Hire Rotating Contractor to repair the manhole frames and covers and bring them to grade.	37,100	19,218	37,100	19,218	0	0.00%	24.25%	15-Jan-15	15-Jan-15
26	EN15038	Collection System Manhole Upgrades	Hire Rotating Contractor to repair the manhole frames and covers and bring them to grade.	63,000	24,959	63,000	24,959	0	0.00%	11.15%	15-Jan-15	15-Jun-15
27	EN15040	RP-1 North lagoon Water Line Repair	Saw cutting concrete lagoon to expose 4" water main, repair leak, & slurry backfilling	14,000	1,570	14,000	1,570	0	0.00%	100.00%	8-Jul-14	8-Jul-14
28	EN15049	AV Replacement on SACP-Seg B	Replacement of existing air vacuum/release valves (AVs)	90,000	197	90,000	197	0	0.00%	0.00%	3-Mar-15	22-Apr-15
29	RA11004	IERCF Process Improvements	Upgrading the conveyor belts at IERCF	4,800,000	3,918,513	2,020,885	520,025	115,378	3.64%	89.97%	26-Nov-14	26-Jan-15
30	RA14002	IERCF Locker Room A/C System Upgrade	Ducting installation, electrical, and A/C	92,300	83,799	7,009	3,542	3,118	9.62%	99.85%	8-Jul-14	18-Jun-14
31	WR11017	Turner Basin Recharge Improvements	Recharge improvements	1,623,550	1,264,811	395,610	36,871	62,164	5.68%	99.04%	8-Jul-14	31-Jul-14
				79,389,497	27,178,405	35,024,694	7,606,539	6,127,285				

- Total construction contract payments for October 2014: \$1,277,157.64

Completed Construction Projects - Notice of Completion Filed in October 2014

Project ID	Project Title	Description	Total Project Budget (\$)	Total Cost to Date (\$)	FY Budget (\$ 2015)	FY Cost to Date 2015 (\$)	September's CO's Processed (\$)	Total Project CO's (%)	% Project Complete	Original Operational Date	Estimated Operational Date
1 EN11010	Headquarters Central Plant Improvements	HQ building and central plant HVAC upgrades and modifications	745,600	742,758	1,729	1,792	161,847	9.04%	100.00%	13-Jun-14	27-Jun-14
2 EN11051	Central Plant for the New Operations Laboratory	Central Plant (HVAC) improvements in the Lab	2,393,218	1,998,768	263,218	121,984	0	0.00%	100.00%	13-Jun-14	27-Jun-14
3 EN13022	930 Zone RW Reservoir Construction	5-MG RW welded steel storage reservoir in Chino Hills	8,025,750	6,908,094	0	558,927	883,799	17.44%	92.33%	1-Apr-14	4-Dec-14
4 EN13049	RP-2 Digester No. 4 Dome Improvements	Convert the floating dome to a fixed dome	1,725,000	1,571,106	327,157	165,363	118,064	10.61%	100.00%	17-Aug-14	30-Jul-14
			9,750,750	8,479,200	327,157	724,290	1,001,863				

Emergency Contracts

Project ID	Contractor	Task Order Description	TO #	Amount	Date
1 EN15026.02	Coconstruction, Inc.	RP-1 Odor Control Biofilter No. 2	TO-002	69,933	10/21/2014
2 EN15026.03	Norman Olsson Construction	HQ-B Backflow Assembly	TO-001	10,000	10/21/2014
3 EN15034.01	General Engineering, Pipeline, C-12 Earthwork & Paving	16" RW Triple Offset BFV Installation at RP-2	TO-004	37,600	10/1/2014

High Level Construction Activities/Information

- The pipeline installed along Foxglove Drive, for the 930 Zone Pipeline project, was connected to the Carbon Canyon Channel pipeline. The Eucalyptus jack and bore was completed and both pits have been backfilled and compacted. Issues associated with the existing sewer manhole affected by adverse soil conditions will be addressed. Appurtenance installation and grind and cap on Eucalyptus and Foxglove will be completed in November.
- RP4 Headworks Retrofit will see lower flows while a complete headworks bypass is in place. Current activities will run 4-6 weeks and impact the downstream processes, specifically RP1. Some of the treated influent (roughly 40%) will be diverted upstream from RP4 to RP1 during this period. Additionally, RP1 will undergo intermittent shutdowns.
- RP4 Bypass and a complete headworks demolition and reconstruction within the influent channels will occur over the next 4-6 weeks. During this period, RP4 will see lower flows while a complete headworks bypass is in place. Additionally, RP1 will undergo intermittent shutdowns, so complete coordination with operations is critical and will be ongoing.