

Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

6075 Kimball Ave. • Chino, CA 91708
P.O. Box 9020 • Chino, Hills, CA 91709
TEL (909) 993-1600 • FAX (909) 993-9000
www.ieua.org

REGIONAL SEWERAGE PROGRAM TECHNICAL COMMITTEE MEETING

September 1, 2011

4:00 pm

CITY OF CHINO HILLS
14000 CITY CENTER DRIVE
CHINO HILLS, CA 91709
(909) 364-2600
(See attached map)

AGENDA

CALL TO ORDER AND ROLL CALL 4:00 P.M.

ACTION ITEMS

1. Approval of Minutes - August 4, 2011
2. Construction Contract Authorization Increase
3. Request by the City of Chino for One Regional Connection Point to the Kimball Interceptor

INFORMATIONAL ITEMS

4. Recharge Allocation Update
5. Status Report on the Adoption of Contracting Agencies' Ordinances Addressing the Use of Self-Regenerating Water Softeners
6. 2012 Rate Review Process (ORAL)

RECEIVE AND FILE

7. IEUA Monthly Water Newsletter

OTHER BUSINESS

8. Agenda Items for Next Meeting
9. Committee Member Comments
10. Next Meeting - October 6, 2011

ADJOURNMENT

Water Smart – Thinking in Terms of Tomorrow

Terry Catlin
President

Michael E. Camacho
Vice President

Steven J. Elie
Secretary/Treasurer

Gene Koopman
Director

Angel Santiago
Director

Thomas A. Love
General Manager

ITEM 1

Inland Empire Utilities Agency Regional Sewerage Program Technical Committee Meeting

MINUTES OF August 4, 2011 MEETING

CALL TO ORDER

A regular meeting of the IEUA/Regional Sewerage Program – Technical Committee was held on August 4, 2011, at the City of Chino Hills located at 14000 City Center Drive, Chino Hills, California. Steve Nix, City of Chino Hills, called the meeting to order at 4:00 p.m.

ATTENDANCE

Committee Members:

Steve Nix.....City of Chino Hills
John Bosler Cucamonga Valley Water District
Chuck HaysCity of Fontana
Mike Hudson City of Montclair
Mohammed El-AmamyCity of Ontario
Jesus PlasenciaCity of Chino
Craig MillerInland Empire Utilities Agency

Absent Committee Members:

Shaun Stone City of Upland

Others Present:

Craig Parker Inland Empire Utilities Agency
Lisbeth Olhasso Inland Empire Utilities Agency
Braden Yu Cucamonga Valley Water District
Nicole Greene City of Montclair
Chris Bond City of Chino Hills

ACTION ITEMS

1. Approval of Minutes – May 5, 2011

Motion: By Mike Hudson/City of Montclair, and seconded by Chuck Hays/City of Fontana, to approve the May 5, 2011 minutes as presented.

Motion Carried: Unanimously. Mohammed El-Amamy/City of Ontario and Jesus Plasencia/City of Chino abstained.

2. Construction Contract Award for the CCWRF Aeration Basins' Air Ducting Replacement, Project No. EN08013.05

Craig Parker/IEUA gave a PowerPoint presentation of the Carbon Canyon Water Recycling Facility (CCWRF) Aeration Basins' Air Ducting Replacement Project, outlining the background, bid results, the project cost of \$1.3M, and project schedule, with completion projected to be January 2012. The recommendation was to award the contract to SCW Contracting.

Steve Nix/City of Chino Hills asked why the decision was made to spend \$300K more for stainless steel if it is all above ground. He asked if the air was that corrosive inside the pipe.

Craig Parker/IEUA said that a thorough analysis was done. They looked at fiberglass reinforced plastic but could not find a proven installation of FRP anywhere. Since it is a very corrosive environment, they wanted something that will last a long time.

Craig Miller/IEUA further stated that the exact same question was asked internally so they stepped back and looked to see if there was a cheaper alternative. Stainless steel is recommended because it will prevent them from having to do it again.

Mohammed El-Amamy/City of Ontario asked about the original budget because it was revised for this project.

Craig Parker/IEUA stated that the original budget was approximately \$1M. Funds were transferred from another project that had a little extra money. Reserve money is not being requested for this project; it's coming from a different budget.

Motion: By Mohammed El-Amamy/City of Ontario, and seconded by John Bosler/CVWD, to approve the construction contract award to SCW Contracting for the CCWRF Aeration Basins' Air Ducting Replacement, Project No. EN08013.05.

Motion Carried: Unanimously.

INFORMATIONAL ITEMS

- 3. **El Prado Road Improvements**
There was no presentation on this item. Detailed information was included in the agenda packet.
- 4. **Status Report on Adoption of Amendments to IEUA Ordinance No. 87 Addressing the Use of Self-Regenerating Water Softeners**
There was no presentation on this item. Detailed information was included in the agenda packet.

RECEIVE AND FILE

- 5. **Pretreatment Summary Report**
Receive and file the Pretreatment Summary Report included in the agenda packet.
- 6. **IEUA Monthly Water Newsletter**
Receive and file the Monthly Water Newsletter included in the agenda packet.

OTHER BUSINESS

- 7. **Agenda Items for Next Meeting**
 - a. Recycled water update.
 - b. Analysis of raising the construction price limit to a more current level to give more flexibility of what needs to be brought to the Policy Committee.

8. Committee Member Comments

No comments.

9. Next Meeting – September 1, 2011

ADJOURNMENT - Meeting was adjourned at 4:07 p.m.

Transcribed by: Pamela Sharp

Pamela Sharp, Administrative Secretary, City of Chino Hills

ITEM 2



Date: September 1, 2011
To: Regional Technical Committee
From: Inland Empire Utilities Agency *T. Spivey*
Subject: Construction Contract Authorization Increase

RECOMMENDATION

It is recommended that the Regional Technical Committee approve increasing the construction contract authorization from \$1,000,000 to \$5,000,000.

BACKGROUND

The Contracting Agencies and Inland Empire Utilities Agency amended the Chino Basin Regional Sewage Service Contract (Regional Contract) on April 12, 1984. The amendment added Section 9C – Major Construction Contracts, Subsection A – Construction Contracts. This section stated that IEUA shall not proceed with the award of a construction contract in excess of \$1,000,000 without the approval of the Regional Policy Committee. Since this time, construction costs have increased dramatically due to inflation. IEUA is recommending revising the authorization limit to \$5,000,000 to save time for both staff and members of the committees.

This increase will allow IEUA staff time to maintain a very efficient project development process without over burdening the role of the Regional Committees.

TAL:CM:CP

ITEM 3



Date: September 1, 2011
To: Regional Technical Committee
From: Inland Empire Utilities Agency *T. Love*
Subject: Request by the City of Chino for One Regional Connection Point to the Kimball Interceptor

RECOMMENDATION

This is a Notice of Intent for a new connection.

Inland Empire Utilities Agency (IEUA) hereby gives notice of its intent to approve the request by the City of Chino for one regional connection, wherein Chino Regional Connection No. C-34, Project No. CW19112.01, is to the Kimball Interceptor in Kimball Avenue, west of Mountain Avenue.

Pursuant to Section 13 of the Regional Sewer Service Contract, the request is being placed before the Regional Technical Committee for their review. Upon receipt of a favorable report and recommendation from the Committee, or upon failure of the Committee to report within 60 days, IEUA may authorize the City of Chino for using the new delivery point.

BACKGROUND

On August 8, 2011, IEUA received a request from the City of Chino (Attachment "A") for the approval of a connection to the Kimball Interceptor. The purpose of the connection is to discharge flows from a proposed industrial development at 6185 Kimball Avenue. The connection is required due to a lack of a City of Chino sewer located in close proximity. The connection will be made at a regional manhole through a lateral and will discharge domestic sewer flow to the existing 66-inch sewer pipeline, which is located in Kimball Avenue, west of Mountain Avenue (Attachment "B").

SUMMARY OF FLOW RATE

Peak Flow Rate 0.032 mgd or 0.05 cfs

The 66-inch Kimball Interceptor is designed to deliver a maximum flow rate of 55 mgd to the Regional Water Recycling Plant No. 5. The proposed additional flow rate of 0.032 mgd is within the capacity of this Interceptor.

DENNIS R. YATES
Mayor

EARL C. ELROD
Mayor Pro Tem



GLENN DUNCAN
TOM HAUGHEY
EUNICE M. ULLOA
Council Members

PATRICK J. GLOVER
City Manager

CITY of CHINO

August 8, 2011

Ms. Liza Munoz
Inland Empire Utilities Agency
6075 Kimball Avenue
Chino, CA 91710

Subject: Request for Sewer Connection to Existing IEUA 66" Kimball Interceptor Sewer located in Kimball Avenue east of El Prado Road.

Dear Ms. Munoz:

The City of Chino is hereby requesting a new point of connection to the existing 66-inch Inland Empire Utilities Agency Kimball Interceptor Sewer located in Kimball Avenue east of El Prado Road. The proposed lateral will serve the new industrial development at 6185 Kimball Avenue.

Because of the vertical constraints and lack of City of Chino sewer main in Kimball Avenue, the requested lateral to your facility by Kimball XC, LLC will prevent about 1030+/- lineal feet of off-site sewer lines. The proposed connection will be to Manhole No. 5 located at station 39+67.42 on sheet 4 of the subject Kimball Interceptor plans. The connection will be required for a peak wastewater outflow of 23 fixture units or 0.05 cubic feet per second.

If you should need any further information, please contact me at (909) 464-8384.

Sincerely,

Michael Bhatanawin

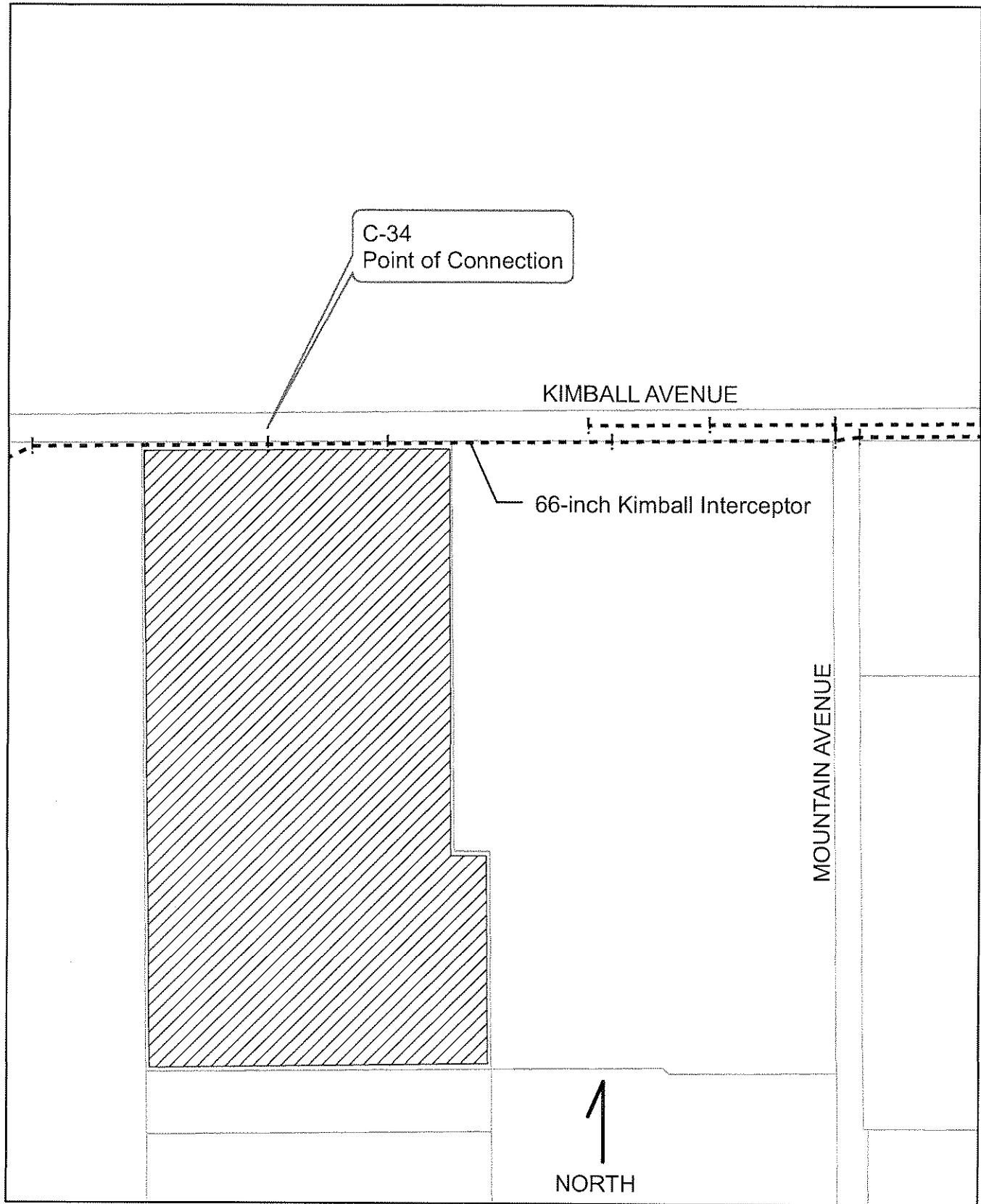
Michael Bhatanawin
Assistant Engineer

MB:tb

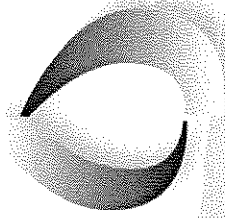
cc: Emily Mandrup, Kimball XC, LLC
Fred Cornwell, Cornwell & Associates, Inc.



ATTACHMENT "B"
CITY OF CHINO REGIONAL CONNECTION NO. C-34



ITEM 4



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

Recharge Allocation

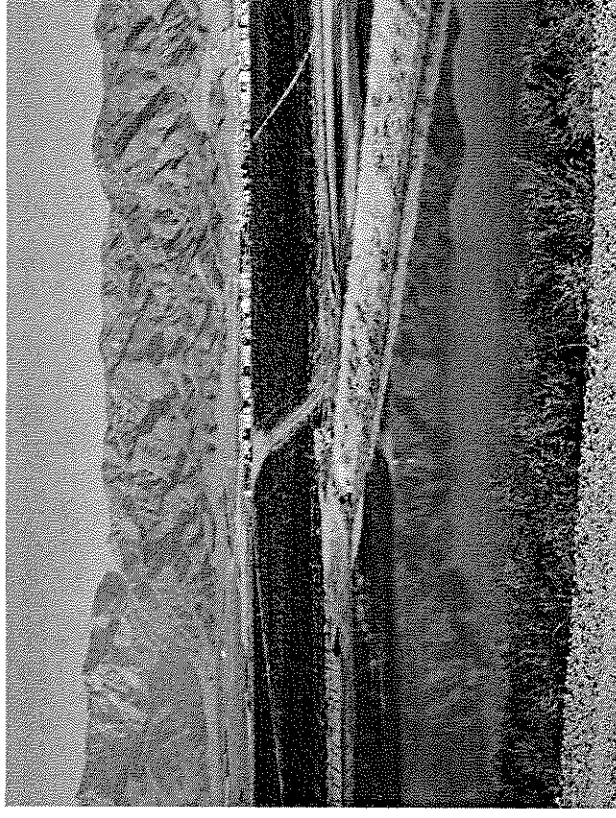
Second Half of FY 10/11

Presented by:

**Craig J. Parker, PE, BCEE
Manager of Engineering**

Background

- IEUA started recycled water recharge in Ely Basin in 1999: 500 AFY
- Since 1999 IEUA has developed additional recharge capacity. The basins online include:
 - Banana
 - Hickory
 - 8th Street
 - Turner
 - Brooks
 - RP-3
 - San Sevaine
 - Victoria



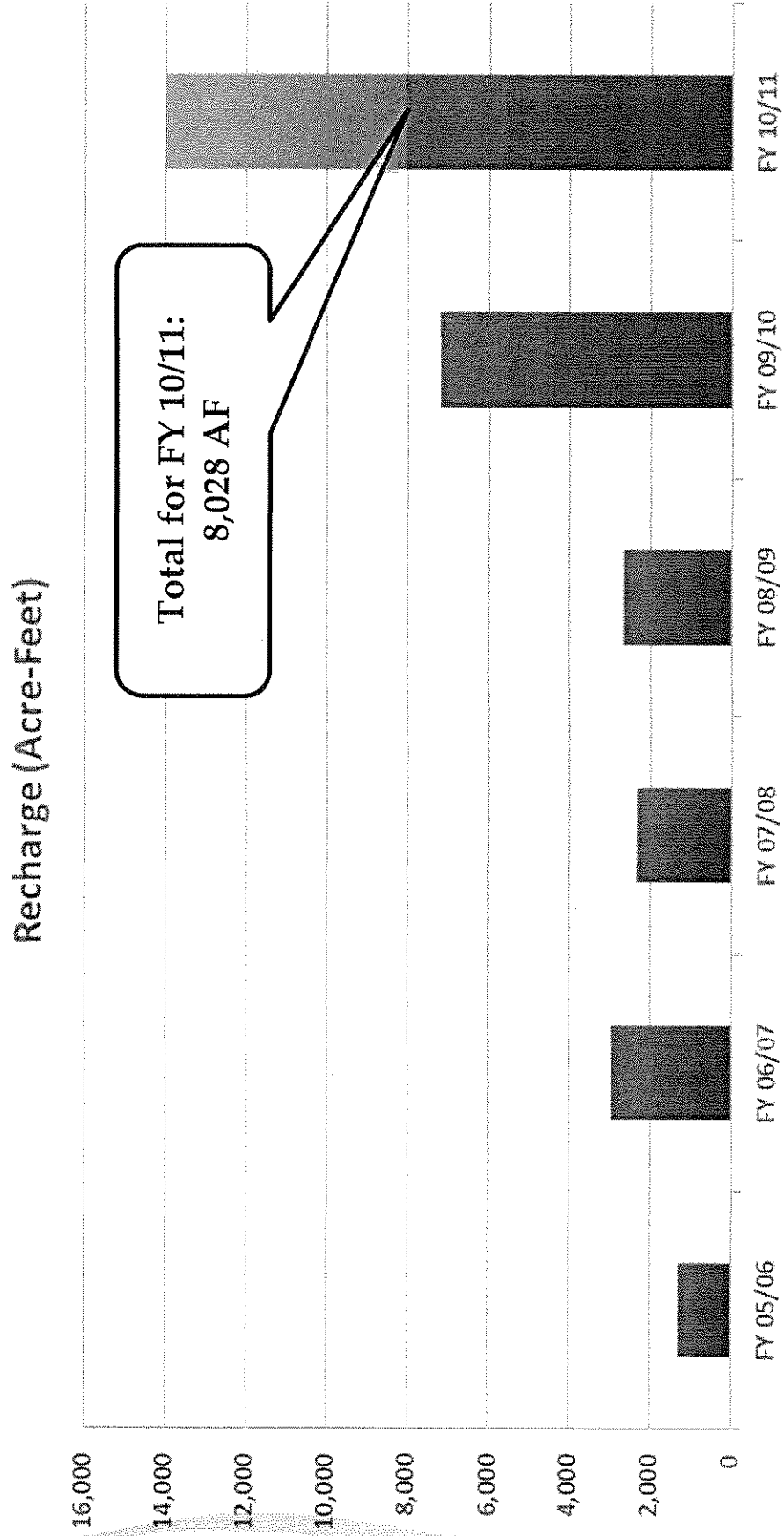
- The total combined recharge capacity of the basins in operation for recycled water recharge is over 17,000 AFY

Recycled Water Recharge

Month	Recharge Basins										Subtotal
	Victoria	Banana	RP-3	Hickory	Ely	Turner	8th Street	Sevaine No. 5	Brooks		
Jan-11	86	0	103	50	0	0	167	72	0		478
Feb-11	67	0	131	46	43	0	83	0	0		370
Mar-11	39	0	126	0	0	0	23	0	0		188
Apr-11	0	0	237	52	107	0	181	0	174		751
May-11	141	0	176	84	155	0	243	36	162		997
Jun-11	61	0	184	74	206	0	202	34	223		984
Total (Acre-feet)	394	0	957	306	511	0	899	142	559		3,768
										Total Recharge (Acre-feet) Excluding Allocation to JCSD:	3,577

JCSD Allocation	
JCSD (Jan 2011)	20.6 AF
JCSD (Feb 2011)	26.2 AF
JCSD (Mar 2011)	25.2 AF
JCSD (Apr 2011)	47.4 AF
JCSD (May 2011)	35.2 AF
JCSD (Jun 2011)	36.8 AF
Total to JCSD	191.4 AF

Recycled Water Recharge History



Recharge Allocation Calculation

- Recycled water recharge is allocated to the regional sewer agencies based on the pro-rated total of EDU's for each agency
- Through an agreement which resolves the historic percolation of RP-3 effluent in Management Zone 3 (MZ-3), Jurupa Community Services District (JCSD) is allocated 20 percent of the recycled water recharged in MZ-3
- Each regional sewer agency is invoiced for the respective allocated amount:
 - The prevailing rate was increased to a recharge rate of \$115/AF in January '11
 - JCSD is invoiced at a rate 25 percent higher per the aforementioned agreement
- The amounts allocated are reported to Chino Basin Watermaster for credit to the appropriate groundwater accounts

Recycled Water Recharge

AGENCY	EDU's FY 2009-2010	PRO RATA SHARE OF REGIONAL FLOW (%)	RECHARGE ALLOCATION (Acre-Feet) (Jan 11 - Jun 11)	INVOICE TO AGENCY \$115.00/AF (Jan 11 - Jun 11)
CHINO	327,915	10.84	388	\$44,605
CHINO HILLS	285,006	9.43	337	\$38,769
CVWD	661,435	21.87	782	\$89,973
FONTANA	618,130	20.44	731	\$84,082
MONTCLAIR	134,168	4.44	159	\$18,251
ONTARIO	684,069	22.62	809	\$93,052
UPLAND	313,001	10.35	370	\$42,577
TOTALS	3,023,724	100.00	3,577	\$411,309
		JCSD	191	\$27,514

Note: JCSD is billed 25% higher than the adopted wholesale rate.

ITEM 5

Date: September 1, 2011

To: Regional Technical Committee

From: Inland Empire Utilities Agency *T. Love*

Subject: Status Report on the Adoption of Contracting Agencies' Ordinances
Addressing the Use of Self-Regenerating Water Softeners

RECOMMENDATION

This is an informational item to the Regional Technical Committee.

BACKGROUND

On July 20, 2011, the IEUA Board of Directors adopted the amendments to IEUA Ordinance No. 87 to prohibit the future installation of self-regenerating water softeners in the IEUA service area.

- IEUA received over 150 letters of public support, 50 people attended the June 15, 2011 public hearing on the proposed ordinance, and 17 individuals spoke in favor of the ordinance.
- IEUA will continue to offer support to contracting agencies as they adopt local ordinances that implement the prohibition.
- The Residential Self-Regenerating Water Softener Removal Rebate program will continue.
- IEUA will contact "big box retailers" (Lowe's, Home Depot, etc.) to request that they remove self-regenerating water softeners from their shelves.
- IEUA will continue working with the Inland Valley Association of REALTORS to promote public education about the water softener ordinance and the availability of the rebate program.
- The City of Montclair has already adopted its local ordinance, and other cities have begun to schedule public hearings.
- IEUA will update the Technical and Policy Committees at each of their regularly scheduled meetings on the progress of contracting agencies adopting local ordinances.

In January 2011, the Water Softener Task Force recommended that IEUA adopt an amendment to Ordinance No. 87 to prohibit the future installation of residential self-regenerating water softeners. The Water Softener Task Force further recommended that IEUA adopt the regional ordinance amendment first, and that the contracting agencies follow, adopting their individual ordinances at their earliest convenience. This recommendation was unanimously approved by both the Technical Committee and Policy Committee in February 2011.

In 2009, Governor Schwarzenegger signed IEUA-sponsored AB 1366, which provides local governments with expanded authority to regulate residential self-regenerating water softeners, especially in areas of the state with identified salt problems (e.g., water bodies that are adversely impacted by salinity and high use groundwater basins that are hydro-geologically vulnerable to salinity pollution). The bill applies only to local agencies or cities that own and operate a community sewer or water recycling facility.

The next steps:

- The ordinance requires IEUA's contracting agencies to adopt local ordinances to implement this restriction.
- Cities/agencies that previously had water softener restrictions on the books still have to adopt a new ordinance.
 - Previous ordinances were all invalidated in 1999 through a lawsuit, Water Quality Association v. City of Escondido.
- IEUA will continue public outreach efforts to explain the new restrictions and promote the voluntary rebate program.

Local Ordinance Adoption Schedule

City of Chino	Scheduled for September 2011
City of Chino Hills	No date set
Cucamonga Valley Water District (CVWD)	No date set*
City of Fontana	No date set
City of Montclair	Passed in April 2011
City of Ontario	No date set
City of Upland	No date set

* CVWD is working the City of Rancho Cucamonga on ordinance adoption. Ordinance will be adopted by CVWD.

ITEM 6

Item 6 is an oral report on the
2012 Rate Review Process

ITEM 7

IEUA MONTHLY WATER NEWSLETTER

AUGUST 2011 (REPORTING JULY 2011 DATA)

Highlights

- **Delta Stewardship Council Releases 5th Draft of Delta Plan** - Public comments are due by September 30. (Page 1)
- **Another Record Year for IEUA Recycled Water Deliveries** - During Fiscal Year 2010/11, IEUA delivered approximately 25,000 acre-feet of recycled water. (Page 1)
- **Over 20,000 AF of Replenishment Water Recharged in Chino Basin** - IEUA plans on recharging 50,000 acre-feet by the end of Calendar Year 2011. (Page 1)

Delta Update

On August 2, the Delta Stewardship Council released the fifth draft of the Delta Plan. This draft is based on the Environmental Impact Report that is scheduled to be completed by the end of August 2011. The Council was created in legislation to achieve the state mandated coequal goals for the Delta. “Coequal goals means the two goals of providing a more reliable water supply for California and protecting, restoring, and enhancing the Delta ecosystem. The coequal goals shall be achieved in a manner that protects and enhances the unique cultural, recreational, natural resource and agricultural values of the Delta as an evolving place.”



IEUA Update

For the fourth consecutive year, IEUA set another record for delivering recycled water. During fiscal year 2010/11, IEUA delivered 24,684 acre-feet (16,656 acre-feet to direct reuse customers, and 8,028 acre-feet to recharge basins that replenish the Chino Groundwater Basin), as compared to five years ago when less than a total of 9,000 acre-feet was delivered. Every acre-foot of recycled water that IEUA delivers reduces the need for imported water. This equates to a savings of \$652 per acre-foot, Metropolitan Water Districts current rate for imported water.

During May, June and July 2011, IEUA and Chino Basin Watermaster recharged approximately 20,000 acre-feet in the Chino Basin, and plan on purchasing approximately 50,000 acre-feet through the end of the calendar year. On May 10, the Metropolitan Water District of Southern California (MWD) Board of Directors approved the sale of approximately 225,000 acre-feet of replenishment rate water (\$409/acre-foot).

IEUA Water Supply Programs

Imported Water Deliveries

For FY 2010/11, IEUA and its member agencies have purchased an estimated 51,491 AF. Compared with last year during this same time period, IEUA and its member agencies had purchases of 65,527 AF. IEUA has purchased approximately 10,000 AF of replenishment water, the first since the spring of 2007. IEUA plans on purchasing approximately 50,000 AF for future replenishment requirements.

Dry Year Yield (DYY) Program

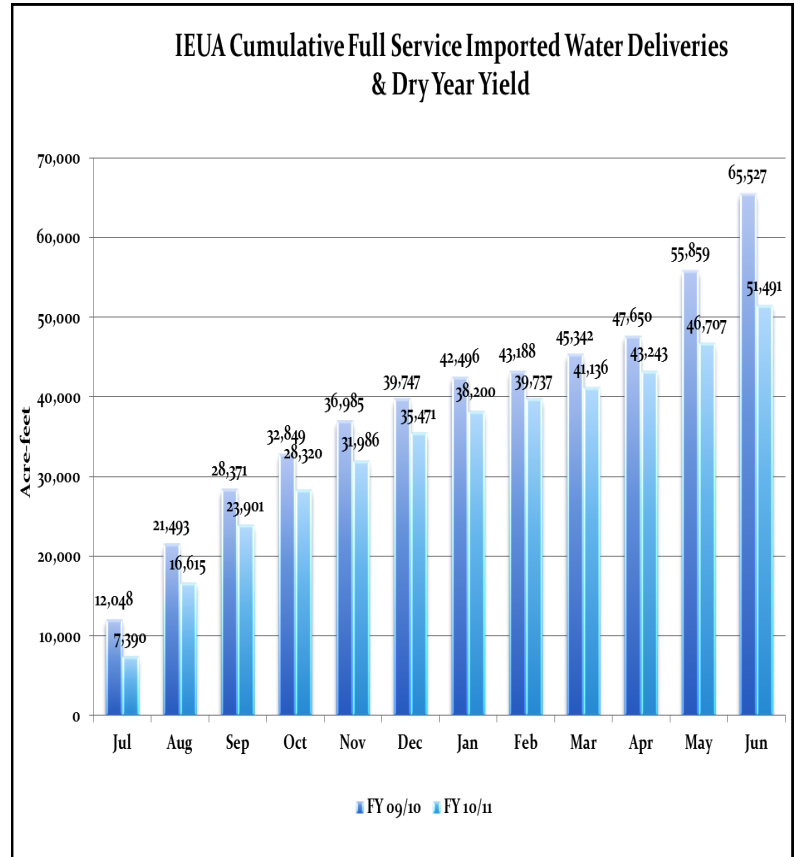
MWD has made a third consecutive call on the DYY Program. This call is considered to be a partial call because there is only 17,200 AF left in the storage account. The remaining water in the storage account will be split amongst the DYY participants based on a pre-defined “pro-rata” methodology. To date, DYY participants have certified all 17,200 AF (of which 4,707 AF will receive additional ion-exchange treatment credit from MWD).

Chino Desalter Authority (CDA)

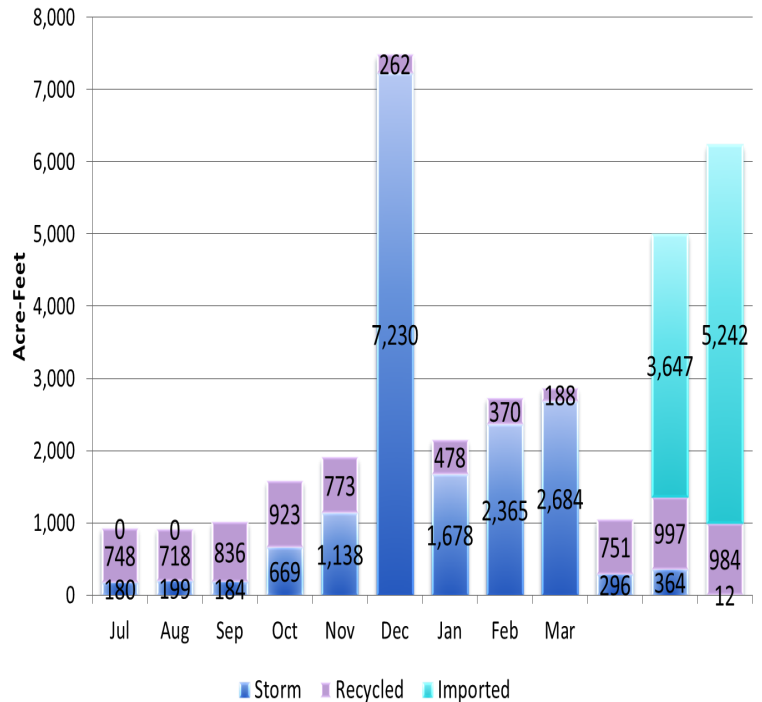
For the month of July the two desalters produced 2,208 AF of water (of which 1,275 AF was delivered to IEUA retail agencies). The contracted entitlement is 24,600 AFY (but actual production is 25,000 to 26,000 AFY) and is scheduled for expansion to produce approximately 40,000 AFY by 2014, with the implementation of CDA Phase III.

Groundwater Recharge Program

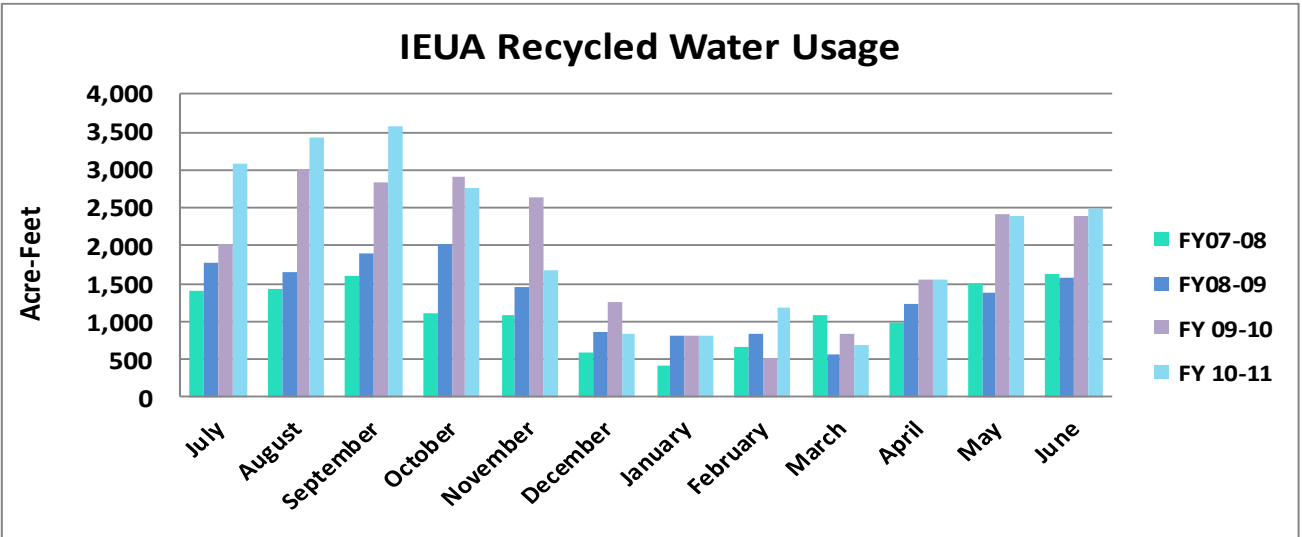
Fiscal Year 10/11 was another successful year for recharge in the Chino Basin. Through June, approximately 34,000 AF of storm, recycled and imported water was recharged.



IEUA Supplemental & Storm Water Recharge (FY 2010/11)



Recycled Water News

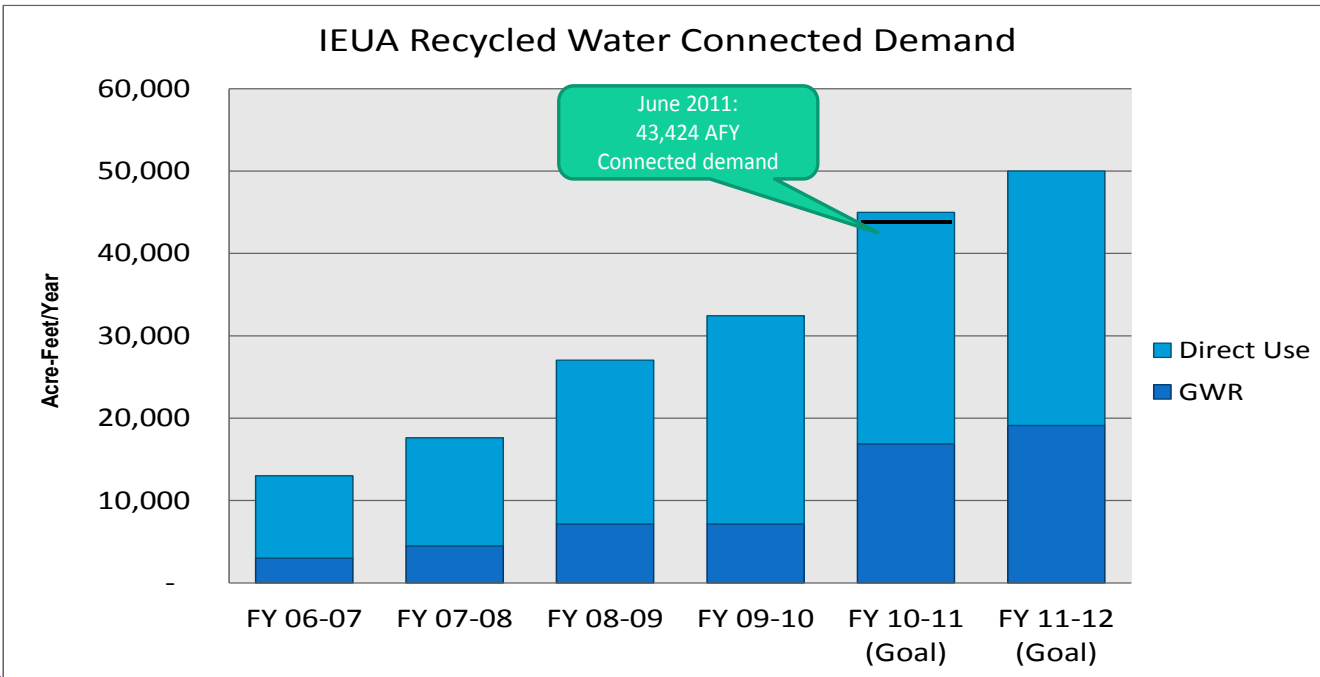


**Recycled Water Usage:
July 2011 Estimates**

Recharge: 984 AF
 Direct Sales: 1,679 AF
 Total Usage: 2,663 AF

***FY 2010/11 Total RW Usage: 24,684**

IEUA Connected Recycled Water Demand



Conservation Program News

MWD Conservation Programs

The MWD FY 2011/12 annual water use efficiency program budget of \$19.1 million is allocated as follows: The SoCal WaterSmart residential program—\$5.8 million; the Save-A-Buck commercial program—\$5.8 million; the Member Agency Administered Programs—\$5.5 million; the agriculture program—\$500,000; and existing contract agreements from prior year commitments is \$1.5 million. To date, 84% of the budget for the residential program remains for the fiscal year and 64% for the Save-A-Buck (CII) program. The other three programs remain unchanged.

MWD Strategic Focus Group-Proper Irrigation Control

Based on key strategies identified in MWD's Long-Term Conservation Plan, the Strategic Focus Group was established to begin work on a new outreach campaign that focuses on outdoor landscaping, proper irrigation control, and public awareness of outdoor water use. The goal of the workgroup is to drive market transformation through awareness and communication that will help the public to identify and understand the relationship between the weather, their controller, water use, and their water bill.



MWD California Friendly® Irrigation Retrofit Program for Multi-Family Communities

MWD is offering a new grant funded program for multi-family communities that provides enhanced incentives to retrofit existing irrigation systems. Sponsored by the DWR and MWD, this program has a budget of \$571,150 and provides incentives for smart and central irrigation controllers, rotating nozzles for pop-up spray heads, and high efficiency nozzles for large rotary sprinklers. The enhanced incentives cover the cost of the devices, including tax and shipping, but no labor. Reservations must be submitted prior to work beginning and all projects must be completed by December 31, 2012.

FY 2010/11 Regional Landscape Evaluation and Audit Program (LEAP)

Launched in August 2010 and administered by the Chino Basin Water Conservation District, a total of 129 landscape audits have been completed to date (August 4, 2011), constituting a potential water savings of 164 AFY, if all recommendations are implemented. Of the completed audits, 58 were single family sites and 71 were commercial sites, with a total landscaped area of 82.37 acres.

