



## Regional Sewerage Program Technical Committee Meeting

### AGENDA

Thursday, February 23, 2017  
3:30 p.m.

#### Location

Inland Empire Utilities Agency  
Event Room – Building B  
6075 Kimball Avenue  
Chino, CA 91708

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#### Call to Order and Roll Call

#### Additions/Changes to the Agenda

##### 1. Action Items

- A. Approval of the January 26, 2017 Meeting Minutes

##### 2. Informational Items

- A. RP-5 Expansion Preliminary Design Report
- B. Regional Contract Update/Renewal (*Oral*)
- C. Operations Summary Update

##### 3. Receive and File

- A. Fund Overview
- B. Draft Regional Policy Committee Agenda
- C. Building Activity Report
- D. Recycled Water Distribution - Operations Summary
- E. Pretreatment Committee Minutes

##### 4. Previous Technical Committee Items Requested

None


##### 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 – March 30, 2017

##### 6. Adjournment

## DECLARATION OF POSTING

I, Laura Mantilla, Executive 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 Monday, February 20, 2017.



Laura Mantilla

**ACTION  
ITEM**

**1A**



## **Regional Sewerage Program Special Technical Committee Meeting MINUTES OF JANUARY 26, 2017 MEETING**

### **CALL TO ORDER**

A regular meeting of the IEUA/Regional Sewerage Program – Technical Committee was held on Thursday, January 26, 2017, at the Inland Empire Utilities Agency located at 6075 Kimball Avenue, Chino, California. Committee Chairman Chuck Hays called the meeting to order at 3:30 p.m.

### **ATTENDANCE**

#### **Committee Members:**

Chuck Hays	City of Fontana
Mike Hudson	City of Montclair
Braden Yu	Cucamonga Valley Water District
Mark Wiley	City of Chino Hills
Jesus Plasencia	City of Chino
Katie Gienger	City of Ontario

#### **Absent Committee Members:**

Rosemary Hoerning	City of Upland
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#### **Others Present:**

Dan Chadwick	City of Fontana
Nicole deMoet	City of Montclair
Joseph Grindstaff	Inland Empire Utilities Agency
Chris Berch	Inland Empire Utilities Agency
Christina Valencia	Inland Empire Utilities Agency
Randy Lee	Inland Empire Utilities Agency
Sylvie Lee	Inland Empire Utilities Agency
Kathy Besser	Inland Empire Utilities Agency
Lisa Snider	Inland Empire Utilities Agency
Shaun Stone	Inland Empire Utilities Agency
Laura Mantilla	Inland Empire Utilities Agency
Ken Tam	Inland Empire Utilities Agency
Liza Munoz	Inland Empire Utilities Agency
Craig Proctor	Inland Empire Utilities Agency

**ADDITIONS/CHANGES TO THE AGENDA**

Chairman Hays asked if there were any changes/additions/deletions to the agenda. There were none.

**1. ACTION ITEMS****A. Approval of the October 27 and December 1, 2016 Meeting Minutes**

**Motion:** By Mike Hudson/City of Montclair and seconded by Jesus Plasencia/City of Chino to approve the minutes of the October 27 and December 1, 2016 Technical Committee meetings.

**Motion carried: Unanimously.**

**B. Approval of City of Fontana's Connection Request**

**Motion:** By Mike Hudson/City of Montclair and seconded by Jesus Plasencia/City of Chino to approve the City of Fontana's Connection Request.

**Motion carried: Unanimously.**

**2. INFORMATIONAL ITEMS****A. ENGINEERING QUARTERLY UPDATE**

Shaun Stone/IEUA provided a PowerPoint presentation. He stated that his department currently has 50 active projects. He discussed the Water Quality Laboratory, Declez Monitoring Well, NRWS Sewer Repair, Recycled Water Pump Station Upgrade and the RP-4 Disinfection Facility Improvements projects.

Mike Hudson/City of Montclair asked when the new building would be complete. Mr. Stone stated that the completion date would be 2019.

**B. REGIONAL CONTRACT UPDATE/RENEWAL (ORAL)**

Chairman Hays stated that the Committee did not have time to meet due to the holidays.

**C. REGIONAL PRETREATMENT LOCAL LIMITS UPDATE**

Craig Proctor/IEUA provided a PowerPoint presentation. Mr. Proctor stated that this item was presented to the Committee and the local limits report was submitted to the Regional Board back in 2015. Shortly thereafter IEUA received its revised NPDES permit which included new limits including a limit for Dioxin. As Dioxin was not included as part of the local limits study, IEUA requested the Regional Board delay its review of IEUA's local limits until an evaluation for Dioxin could be completed. The local limits were last adopted in 2006 and were due to be reevaluated. The evaluation process identified 29 Pollutants of Concern(POC). After review of the POCs, IEUA is recommending six local limits. The new proposed limits, which will be submitted to the Regional Board next month are more stringent, with a recommendation to eliminate cadmium and cyanide

altogether since there are no permitted industries that discharge these pollutants. The local limit for TDS will not change but the current test method using TDS (fixed) will be replaced with TDS by summation. A public hearing and Board adoption is slated for September 2017.

Mark Wiley/City of Chino Hills discussed lead levels and testing in schools.

**D. PAYMENT PROCESS FOR WASTEWATER CONNECTION FEES**

Craig Proctor/IEUA presented. Mr. Proctor gave an overview of the current process for collection of sewer connection fees. While some member agencies are collecting connection fees at time of building permit issuance, other member agencies collect these fees at the time of certificate of occupancy. Mr. Proctor asked the Committee if it would like to consider standardizing the process so every agency does it the same way. If so, Mr. Proctor stated that he could bring back the item to the Committee at a later date as a formal Action Item for the Committee's consideration.

Mr. Hudson stated that City of Montclair collects payment when the permit is issued and further discussed the benefits of their process.

Braden Yu/Cucamonga Valley Water District stated that his agency does not issue permits, but does encourage payment in advance.

Katie Gienger/City of Ontario stated that her agency collects payment when the permit is issued. She asked whether there is a formal policy. Mr. Proctor stated that payment must be made no later than at time of occupancy, allowing agencies the autonomy to decide when to collect.

Jesus Plasencia/City of Chino stated that his agency collects payment when the permit is issued, but does not allow pre-payment.

Mr. Yu asked about Community Facilities District (CFD) bonds and developer prepayment. Chris Berch/IEUA stated he was not aware of this.

Joe Grindstaff/IEUA stated that he would like for everyone to be in agreement and consistent with the policy. He encouraged everyone to be cautious of prepayments.

As the consensus of the Committee was to keep the current process, Mr. Proctor stated that the payment process would remain as is.

**E. SEWER FEE EVALUATION UPDATE**

Craig Proctor/IEUA presented. He stated that the agency has only received data from Chino Hills, Montclair and Fontana. He is still waiting on the other cities to provide data, which is putting the project behind schedule, and the draft report will not be ready by March as planned.

Mr. Plasencia stated that his agency is in the process of preparing the requested data.

Mr. Yu stated that his agency is awaiting the finalization of the non-disclosure agreement.

Ms. Gienger stated that her agency has provided some data and has provided comments on the draft non-disclosure agreement.

Mr. Hudson asked whether the data is subject to public records requests. Chris Berch/IEUA stated that he would look into it.

### **3. RECEIVE AND FILE**

#### **A. BUILDING ACTIVITY REPORT**

This informational item was received and filed by the Committee.

#### **B. RECYCLED WATER DISTRIBUTION - OPERATIONS SUMMARY**

This informational item was received and filed by the Committee.

#### **C. EDU RATE RESOLUTION REVISING THE ESTABLISHED SERVICE RATES (FY 2015/16 – 2019/20)**

This informational item was received and filed by the Committee.

#### **D. PRETREATMENT COMMITTEE MINUTES OF NOVEMBER 1, 2016**

This informational item was received and filed by the Committee.

### **4. PREVIOUS TECHNICAL COMMITTEE ITEMS REQUESTED**

#### **A. REGIONAL WASTEWATER FUNDS SOURCES & USES SUMMARY REPORT**

The Committee had no questions.

### **5. OTHER BUSINESS**

#### **A. IEUA GENERAL MANAGER'S UPDATE**

Mr. Grindstaff provided a handout regarding the 2017A Refunding Bond Update (attached), which will close on February 2, 2017 and will go to the Board on February 15, 2017. The agency did better than projected with the term of the bond ending five years early. Gross savings was \$129 million, and net present value savings was \$36.8 million. The total all-in-interest rate came in at 2.82%, lower than the projected 3.2%. Ms. Valencia stated that the \$125 million option was priced out, but the savings were much lower and would not reduce debt.

Mr. Plasencia asked when IEUA would be making a call for funds. Christina Valencia/IEUA stated that the call would be made following the completion of the Ten-Year Capital Improvement Plan update, which is currently being prepared.

Mr. Grindstaff stated that audio-visual improvements will be made to the Board Room, and while the improvements take place, the Committee will meet elsewhere.

Mr. Grindstaff stated that counsel informed him that the Special Technical Committee Workshops are subject to the Brown Act, and, as such, require the same advance public noticing as the monthly Committee meetings.

Mr. Grindstaff provided a copy of an article regarding Beaumont's wastewater treatment plant (attached).

Mr. Grindstaff stated that the agency is preparing to apply for new federal infrastructure grants to help fund new construction.

Mr. Hays asked whether future connection fees might be reduced. Mr. Grindstaff stated IEUA's fee structure has been evaluated by the Building Industry Association (BIA). The current fee was reduced as a result of negotiations with BIA from the amount determined in the engineering study conducted by Carollo. The Agency intends to review the fee every 5 years to ensure it is updated to reflect changes in new development and service demand assumptions. These periodic updates may result in fee adjustments being lower or higher from current projections.

**B. COMMITTEE MEMBER REQUESTED AGENDA ITEMS FOR NEXT MEETING**

No items were requested.

**C. COMMITTEE MEMBER COMMENTS**

The Committee members had no comments.

**D. NEXT MEETING – FEBRUARY 23, 2017**

**6. ADJOURNMENT**

The meeting adjourned at 4:15 p.m.

Transcribed

by:



Lisa Snider, Administrative Assistant II

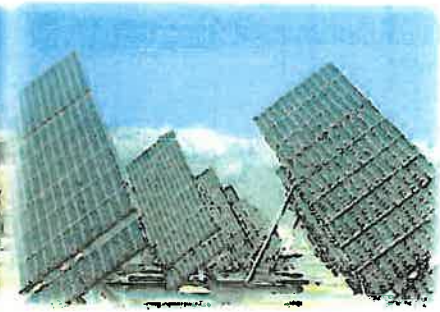
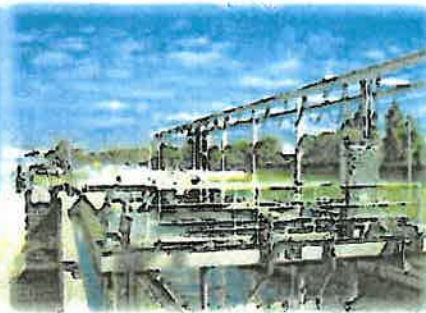




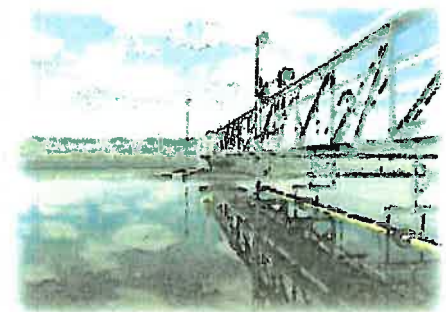
*Inland Empire Utilities Agency*

A MUNICIPAL WATER DISTRICT

# 2017A Refunding Bond Update



February 15, 2017



# How much money did we save?



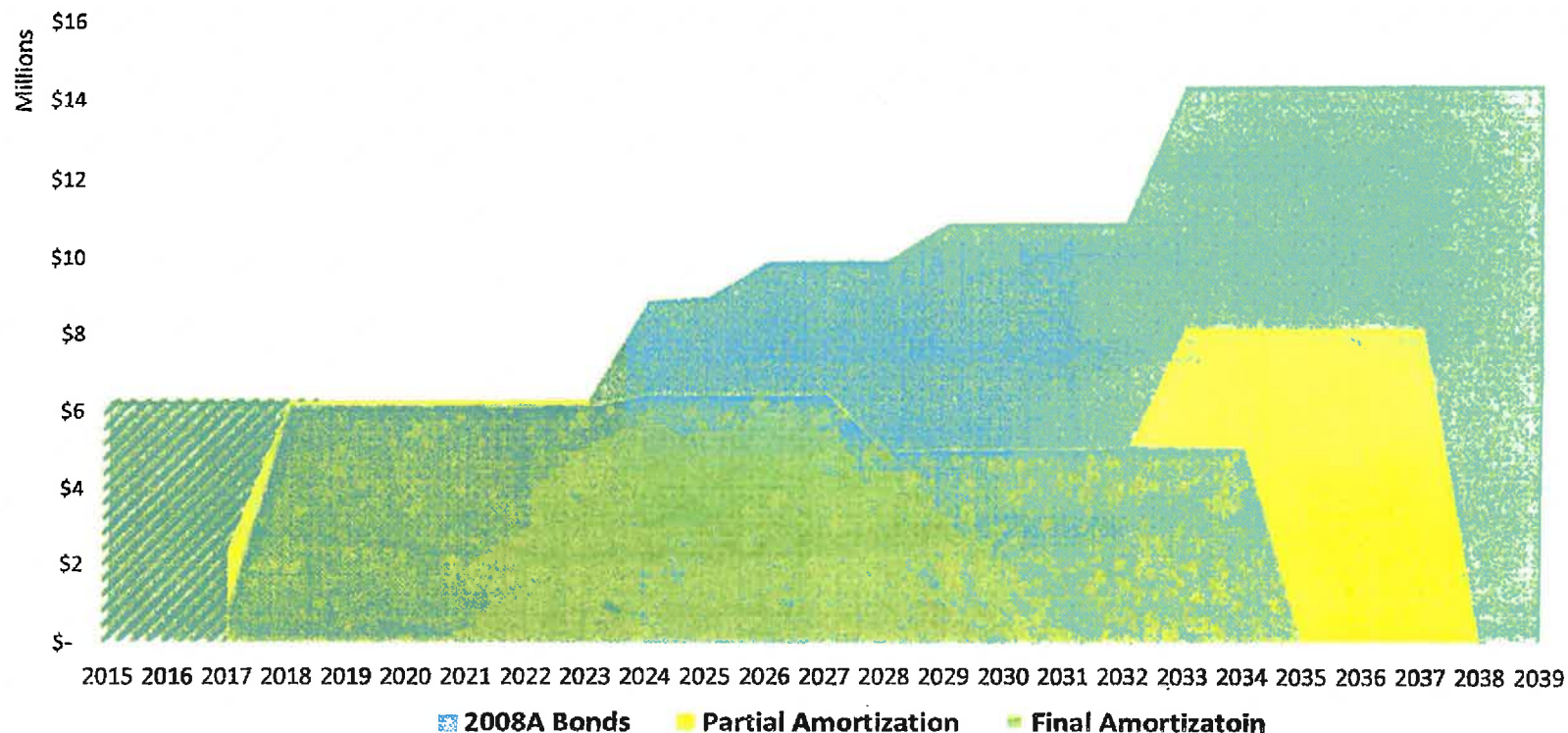
- Cost savings achieved over the life of the bonds;
  - \$129 million gross savings
  - \$36.8 million net present value savings (net of cash pay down)
  - All-In true interest cost 2.82%
- Significant reductions achieved;
  - \$57.4 million reduction in outstanding debt
  - \$185.3 million reduction in total debt service costs
    - \$8 million reduction in the maximum annual debt service costs
    - \$3.3 million reduction in average annual debt service costs
  - 5 year reduction in the repayment period

# Savings Higher than Projected



**Total Gross Savings: \$ 129.0 million**

**Net Present Value Savings: \$36.8 million**



# Key objectives achieved



Use of available cash reserves resulted in;

- Significant present value savings over the life of the bonds
- A reduction in outstanding debt of \$57.4 million
- Lower debt service costs every year through maturity
- Reduced repayment term by 5 years
  - Decrease pressure on rates/fees in the future
  - Improve long term debt coverage ratio
  - Make room for future borrowings to support capital investment
- Long term credit rating upgraded to AA+ by S&P
  - Moody's rating affirmed at Aa2

# Current Financing Schedule



Week of	Activity
11/28/16	Rating Agency Meetings
12/5/16	Redemption Notice to Trustee, Review of final documents
Mid-January	Received Credit Ratings
12/21/16	Board approval of final documents, Redemption Notice to Bondholders
1/20/17	Posted Preliminary Official Statement (POS), Market Bonds
01/19/17	Final Pricing
01/30/17	Execution of final documents
02/02/17	Bond Closing



# Why Beaumont is on a tight deadline to expand wastewater treatment plant

*The City Council chose an estimated \$95.75 million option to expand its existing plant to meet state requirements*



By **GAIL WESSON / STAFF WRITER**

*Published: Nov. 11, 2016 Updated: Nov. 13, 2016 10:39 a.m.*

## **BEAUMONT WASTEWATER TREATMENT PLAN**

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**Cost:** \$95.75 million

**Expansion:** From 4 million gallons a day to 6 million gallons a day

**When:** The design must be submitted to water officials by May 31.

The letters began arriving in November 2015, during a time of turmoil for Beaumont, which was under criminal and state auditor investigations.

Yet no one responded to the memos from the Santa Ana Regional Water Quality Control Board, which had learned that flows from Beaumont's wastewater treatment plant had exceeded 75 percent capacity. Passing the threshold triggers a requirement that the city share what steps it will take to add treatment capacity.

"It just got caught in the changes," said Amer Jakher, Public Works director and city engineer, who joined the city in late March. "Nobody was aware of it."

By May, seven former high-ranking Beaumont city officials were charged with felony corruption, including embezzlement and misappropriation of public funds. They have pleaded not guilty, and the case is pending.

And the city had finally responded to the water board – but only after water officials sent a notice-of-violation letter in April.

The Beaumont City Council took a significant step recently in dealing with the issue, deciding to expand its existing wastewater treatment plant. The choice was made over a more costly option to pay for an expansion of a Yucaipa Valley Water District plant and pipe the city's sewage 22 miles away for treatment.

The council took action Monday before a packed audience of customers, many of whom were concerned about the potential for increases in their rates, something the city will not be ready to address until 2019.

Construction, expected to be completed in 2020, is estimated at \$95.75 million. The project's 20-year life-cycle cost – including construction – is \$130.43million. The Yucaipa option would have a life-cycle cost of more than \$205 million.

The proposed project will expand the treatment plant from 4 million gallons a day to 6 million gallons a day. Some elements will be designed for an ultimate expansion to 8-8.5 million gallons a day.

The council has authorized a contract with Albert A. Webb Associates of Riverside – which did the feasibility study – for \$725,216 for preliminary design work and to file a loan application with the state. That design must be submitted to the regional board by May 31, 2017.

The city still will have to build a pipeline to carry salt brine from the city to a regional disposal line in San Bernardino.

"You should reduce the salt that goes into the basin" to protect the quality of the groundwater available for use, Jakher said.

The plant upgrade will include a microfiltration process – which uses frames of spaghetti-like hollow fiber membranes – and reverse osmosis, which helps remove salts.

"It's a much better pretreatment for reverse osmosis," Brian Knoll, vice president of Webb, said of the filtration. He noted it also takes up much less room at the plant than current methods.

Councilman Lloyd White said Beaumont city leaders and staffers "have to move forward" and meet the state deadlines. He noted that the notification letters came during a time the city had two interim city managers and others in temporary positions, including a 12-hour-a-week city engineer.

"I personally was surprised that staff had not addressed it before we got the final letter," he said.

Contact the writer: 951-368-9075 or [gwesson@scng.com](mailto:gwesson@scng.com)

**INFORMATION  
ITEM**

**2A**





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Date: February 23, 2017/March 2, 2017

To: Regional Technical Committee

From: Inland Empire Utilities Agency

Subject: RP-5 Expansion Update

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### **RECOMMENDATION**

This is an information item for the Regional Technical Committee to review.

### **BACKGROUND**

On January 20, 2016, the IEUA Board of Directors approved the consulting engineering services contract award for the RP-1/RP-5 Expansion Preliminary Design Report (PDR) to Parsons Water & Infrastructure Inc. for the not-to-exceed amount of \$2,431,598. IEUA and the Parsons project team promptly began working on the PDR, which has resulted in three IEUA Board Workshops conducted in May 2016, October 2016, and February 2017. In addition, the project team has provided updates to the IEUA Engineering, Operations, and Biosolids Management Committee in April 2016, August 2016, and November 2016. The PDR has been steadily progressing and it is anticipated that the PDR will be presented to the Board of Directors for approval in March 2017.

After each of the Board workshops, IEUA staff has presented an update of the project to the Regional Technical Committee. This will be the third and final workshop update. In addition to the workshop update IEUA is enclosing (via electronic link) the current technical memorandums for the committee's information.

With the current finalizing of the PDR and its anticipated approval in March 2017, IEUA staff will discuss the next steps in the process.

Attachments:

1. Technical Memorandums  
<https://www.dropbox.com/sh/1qwmz5pnl3ngbag/AADLEcU2hgnJeBuXI9DpDa3ya?dl=0>

# RP-1 & RP-5 Expansion

## Preliminary Design Report Update

February 2017



Shaun Stone, P.E.  
IEUA Manager of Engineering

# RP-1 & RP-5 Expansion Schedule



# Board Workshop No. 3 Objectives



RP-1 Liquids Treatment  
Alternatives



RP-1 Solids Treatment  
Alternatives



Advanced Water Treatment



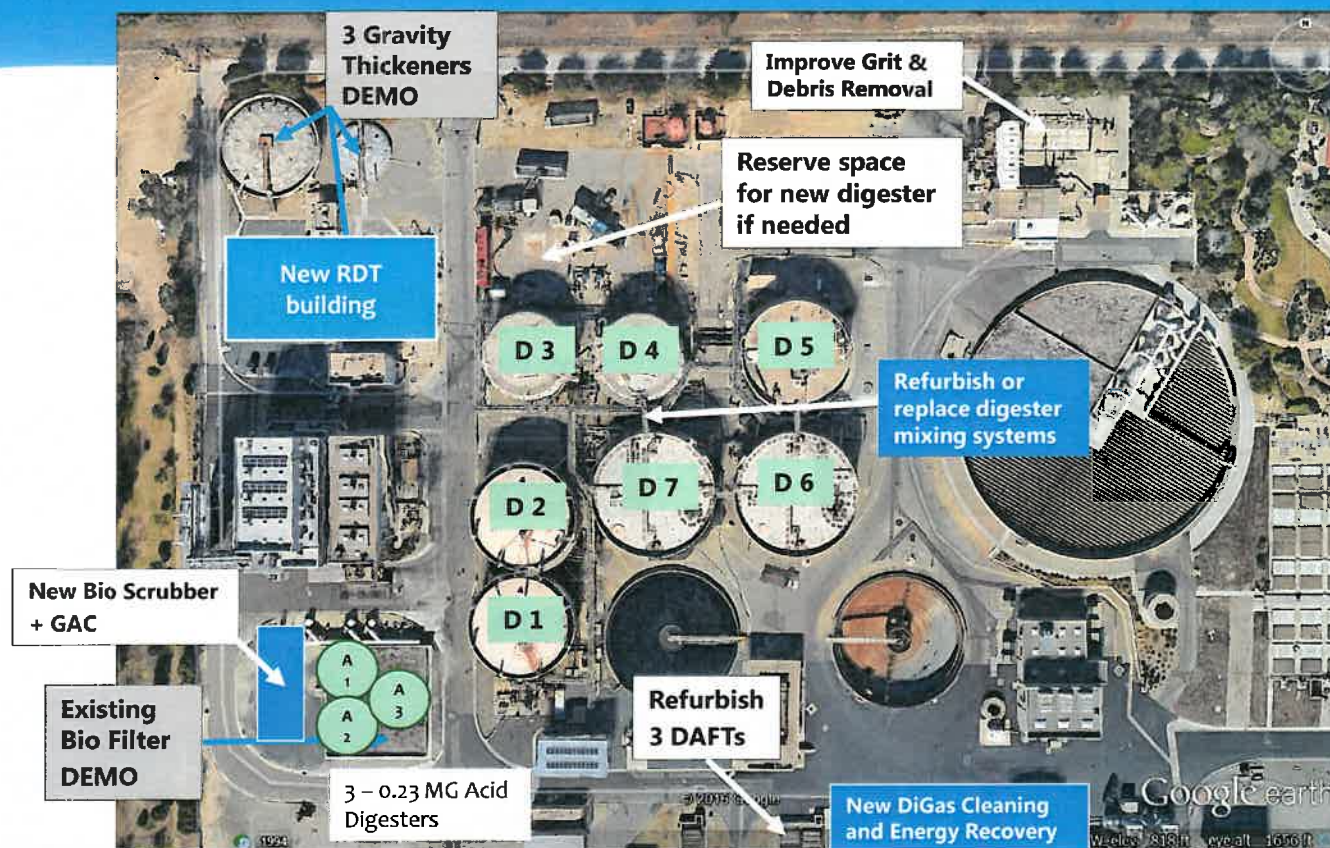
# RP-1 Liquids Treatment Expansion: Secondary Treatment Cost Analysis

Secondary Treatment Alternative	Construction Cost	Project Cost
Alt 1: Conventional Activated Sludge	\$72.9 M	\$92.1 M
Alt 2: Stand alone MBR for additional capacity	\$85.2M	\$107.7M
Alt 3: MBR Retrofit with additional train	\$129.5 M	\$163.8 M
Alt 4: MBR Retrofit without additional train	\$119.8 M	\$151.5 M



*RP-1 Secondary Treatment System*

# RP-1 Solids Treatment Expansion Layout





# RP-1 Expansion Project Cost

*RP-1 Solids Project Cost*

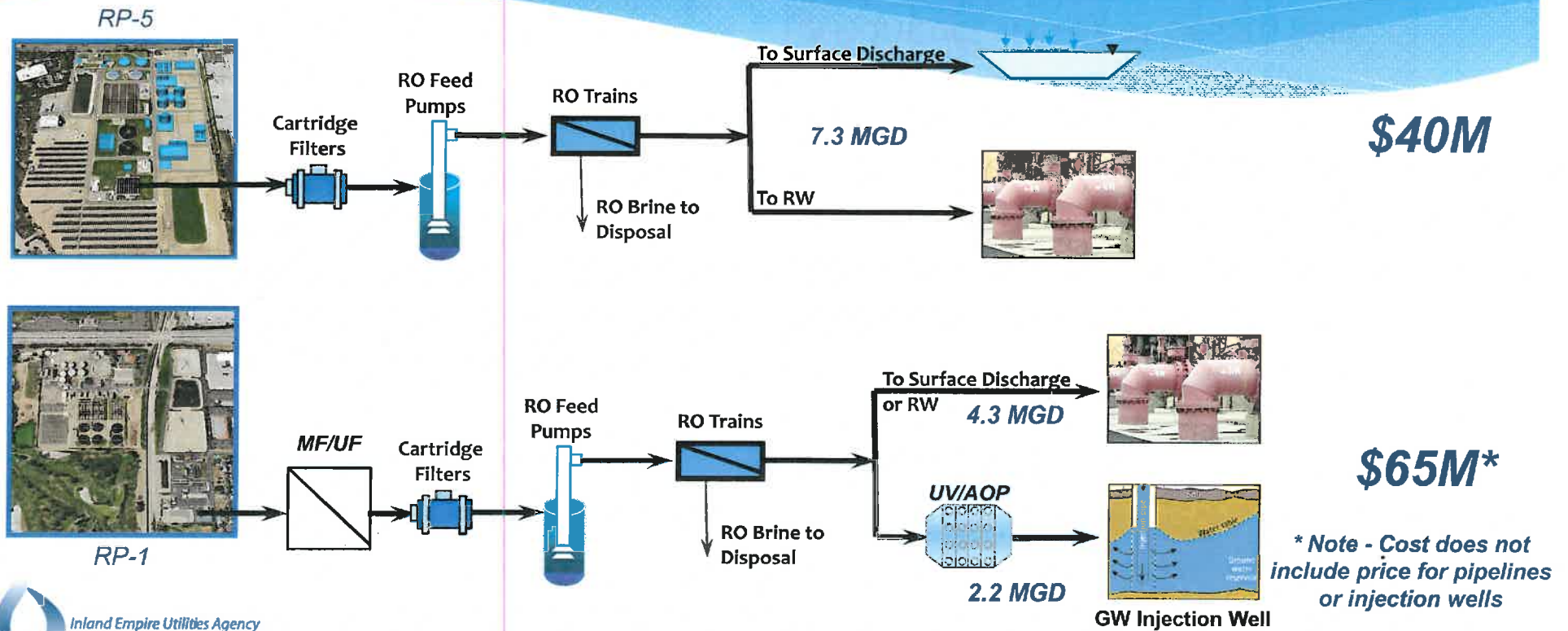
Major Systems	Cost
Thickening	\$19.8M
Digestion	\$11.5M
Dewatering	\$0.7M
Odor Control	\$4.3M
<b>Estimated Construction Cost*</b>	<b>\$36.3M</b>
<b>Design &amp; Project Management (30%)</b>	<b>\$10.9M</b>
<b>Estimated Project Cost</b>	<b>\$47.2M</b>

*RP-1 Liquids Project Cost*

Major Systems	Cost
Headworks & Primary	\$9.4M
Secondary	\$119.8M
Tertiary	\$0.8M
Odor Control	\$10.3M
<b>Estimated Construction Cost*</b>	<b>\$140.3M</b>
<b>Design &amp; Project Management (30%)</b>	<b>\$42.1M</b>
<b>Estimated Project Cost</b>	<b>\$182.4M</b>

**Estimated RP-1 Expansion Project Cost: \$230M**

# Advanced Water Treatment Alternatives





# Proceeding into RP-5 Expansion Design (Amendment to Parsons Existing Contract)

## Amendment Advantages

- Consistent with 2015 RFP
- Intrinsic knowledge of PDR
- No “learning curve”
- Maintain project team
- Maintain schedule

## Requirements for Amendment

- Finalize PDR & Design Scope of Work
- Negotiate Final Design Fee estimated to be \$13M - \$15M
- Conduct survey of design fees of recent similar projects

# Next Steps

Amendment of Parsons' contract to complete the RP-5 Expansion Final Design:

Receive Parsons' proposal for the RP-5 Expansion Final Design

Negotiate the Scope of Work and Fee

Bring amendment forward in April 2017 for Board action

Anticipated RP-1 & RP-5 Expansion  
PDR Board Acceptance  
Mar 15

Anticipated RP-5 Expansion  
Design Amendment Award  
Apr 19

Feb

Mar

Apr

2017

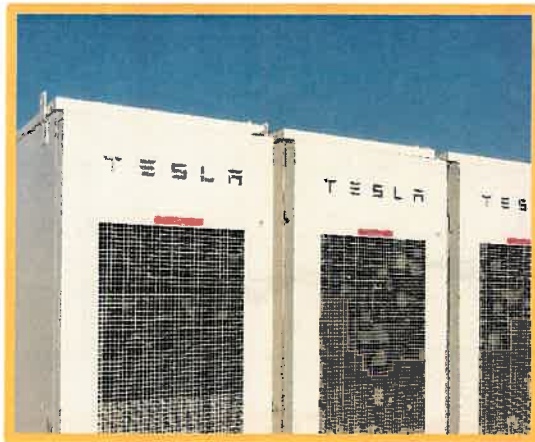
Receipt of Parsons Proposal

Feb 27

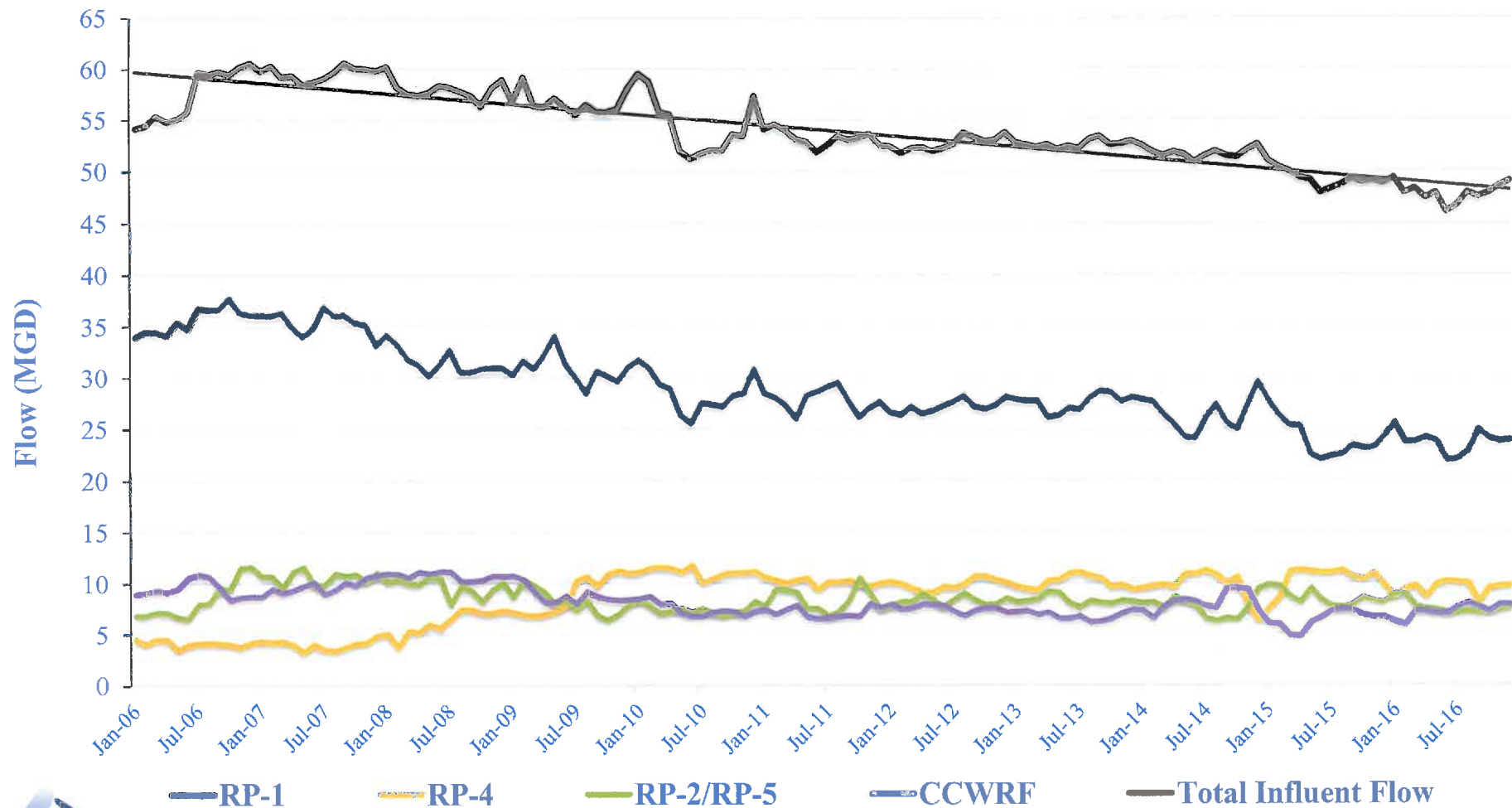
**INFORMATION  
ITEM**

**2C**

# Operations Update

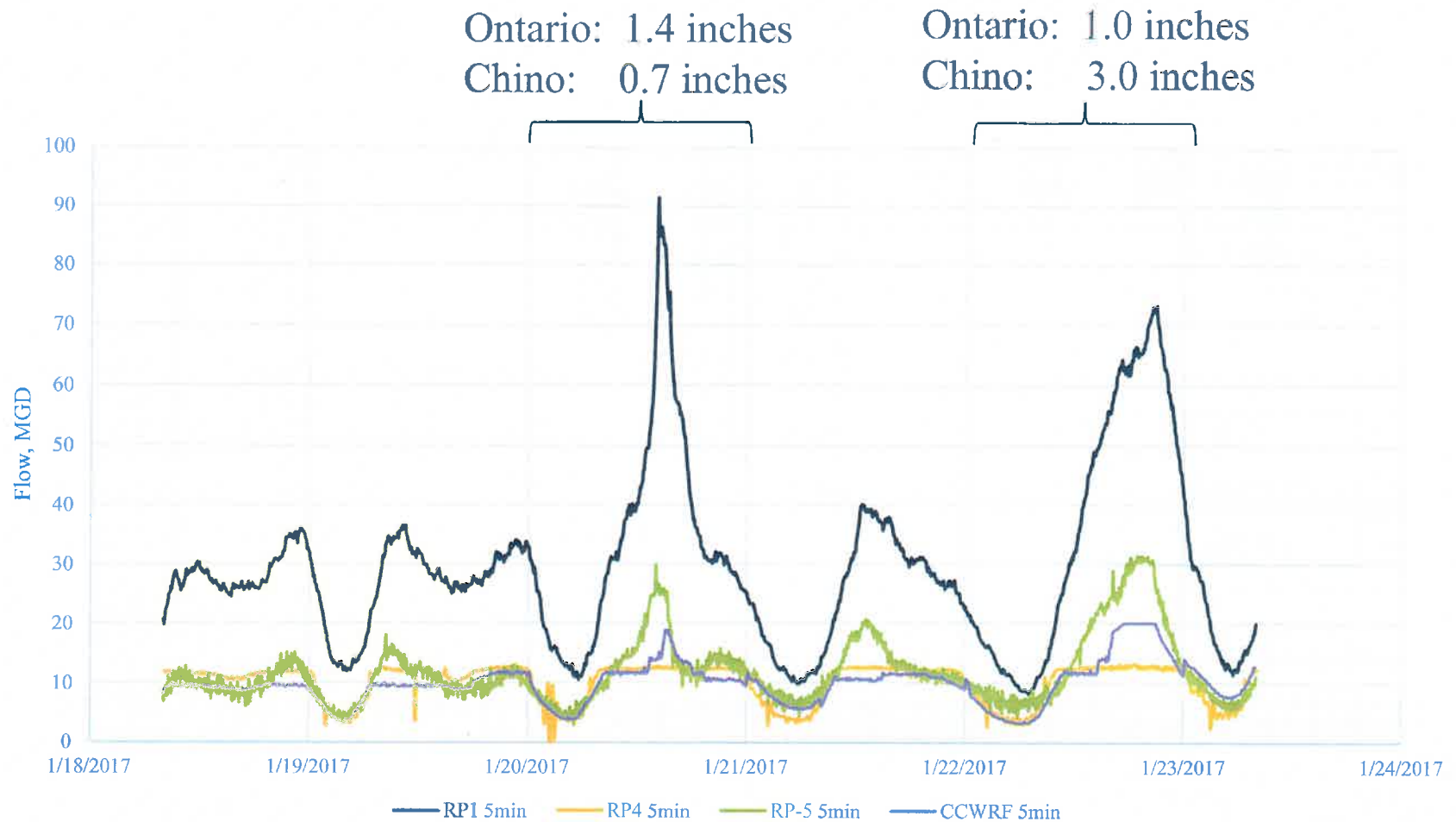


# IEUA Regional Influent Flows

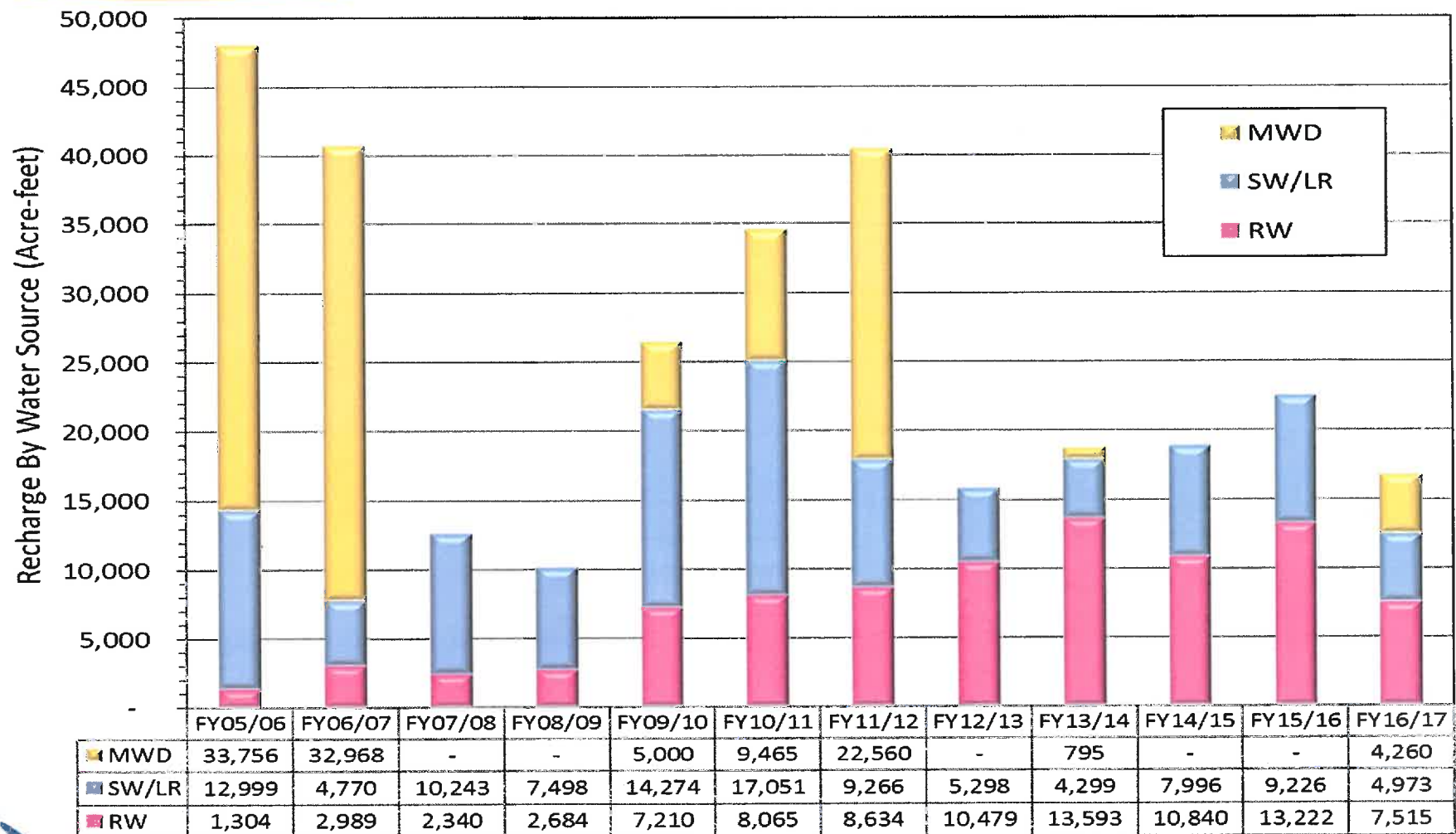




# IEUA Influent Flows During Recent Rain

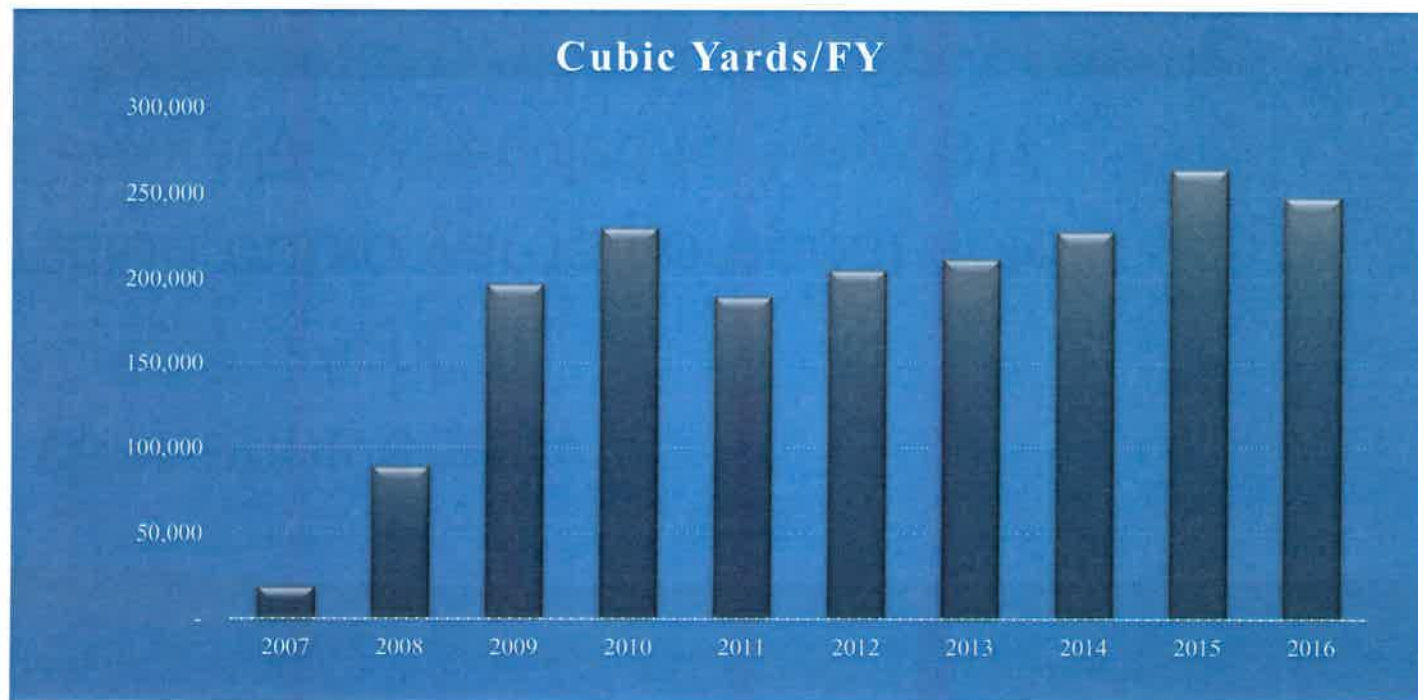


# Historical GWR Operations



# IERCF Compost Sales

- Winter sales exceeded 25,000 cyds/month
- 20% increase due to expansion into the ag market





# IERCF Milestones

- 10 year anniversary
  - April '07 – April '17
- 2 million cubic yards compost sold
  - Celebration scheduled for May 2017



IERCF Staff

RECEIVE AND  
FILE

**3A**



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Date: February 23, 2017/March 2, 2017  
To: Regional Committee  
From: Inland Empire Utilities Agency *CBH JH*  
Subject: Agency's Program Funds Review

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**RECOMMENDATION**

This is an information item for the Regional Committees to review.

**BACKGROUND**

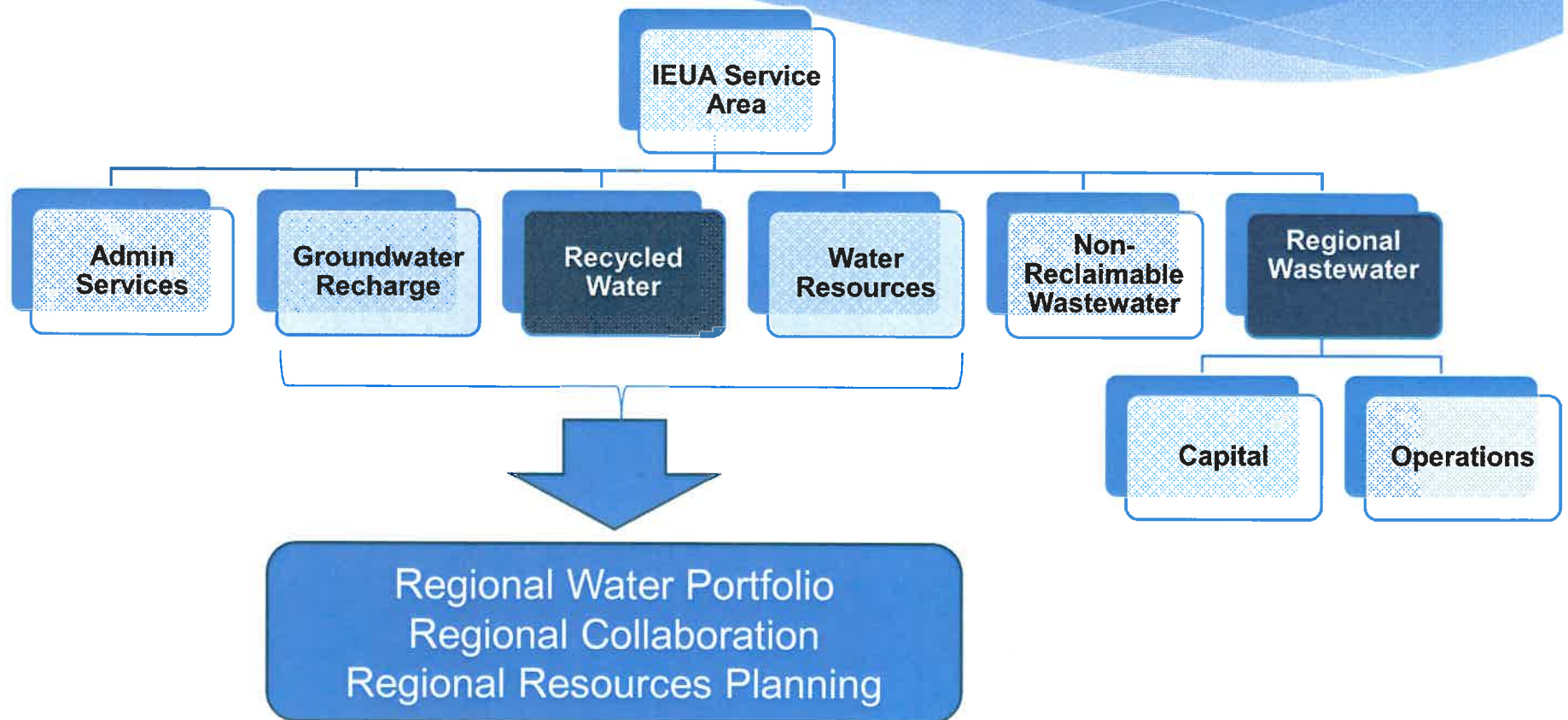
This item is scheduled to be presented to the IEUA Board of Directors meeting on February 15, 2017.

# Agency's Program Funds Review



February 2017

# Agency Program Funds





# Administrative Services

## Agency-wide Costs

Staffing

Benefits

Support  
services

Cost  
Allocations



### Expenses

Employment costs

Purchase of assets

Professional and contract  
services

### Revenues

Property tax

Contract cost  
reimbursements



3



# Groundwater Recharge

## Recharge Basins (19)

Storm  
Water

Recycled  
Water

Imported  
Water



Chino Basin Water Master  
Chino Basin Conservation District  
San Bernardino County Flood Control District

### Expenses

- Operations & Maintenance (O&M)
- System improvements
- Debt service

### Revenues

#### Contributions

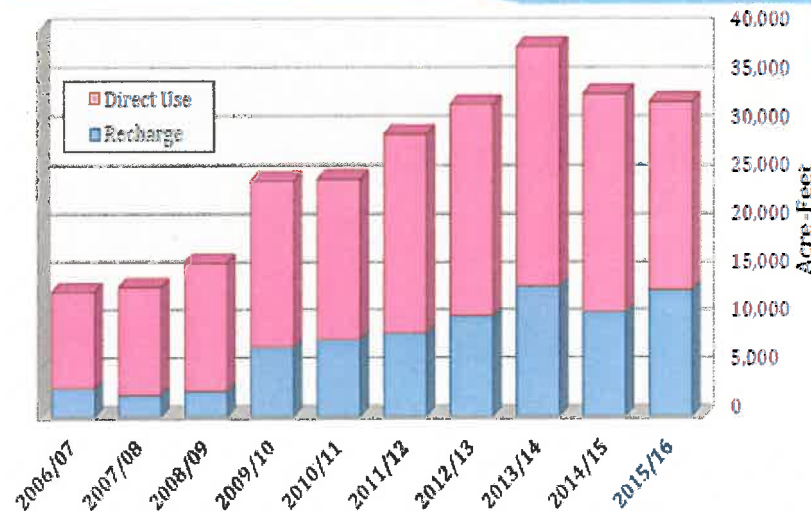
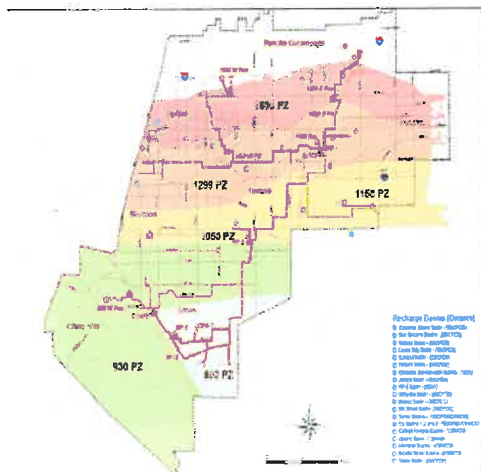
- Watermaster
- IEUA
  - Recycled water surcharge
  - Property tax



# Recycled Water

## Regional Recycled Water Distribution System

### Wastewater Recycling Plants



Contracting Agencies  
San Bernardino County  
Jurupa Community Service District  
Reliant

### Expenses

- Operations & Maintenance (O&M)
- System improvements
- Debt service

### Revenues

- Volumetric Rates
  - Direct Use
  - Groundwater recharge
- Connection fees
- Property tax
- Debt Proceeds/Grants

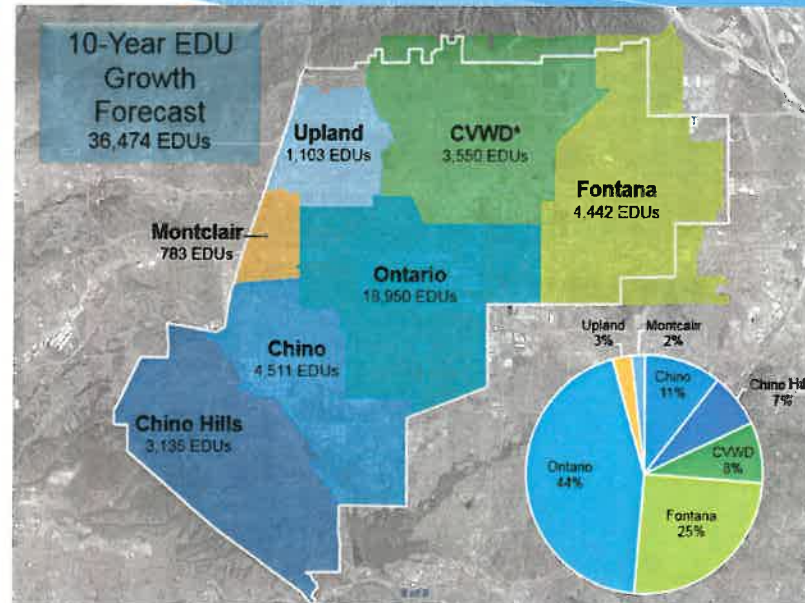




## 6

# Regional Wastewater Capital

Support growth in service area



Contracting Agencies

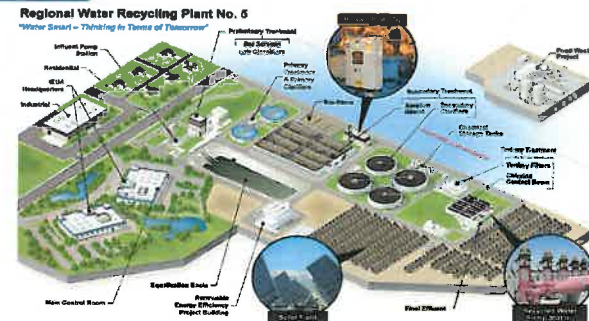


## Expenses

- Capital improvement projects (CIP)
- Debt service
- Program support

## Revenues

- Property tax
- Connection fees
- Debt Proceeds/Grants





# Regional Wastewater Operations and Maintenance

Wastewater Collection

Wastewater Treatment

Bio Solids Disposal

Renewal Energy

Regional Water Recycling Plants and Facilities



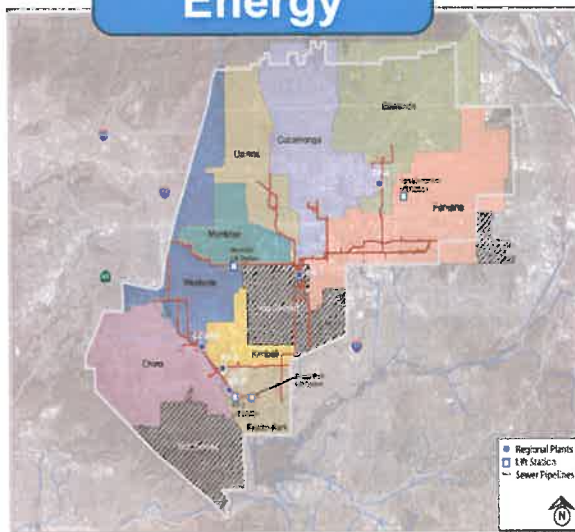
## Expenses

- Operations & Maintenance (O&M)
- Rehabilitation & Replacement (R&R)
- Biosolids Disposal

## Revenues

- EDU sewer rates
- Property tax
- IERCA Reimbursements
- Debt Proceeds/Grants

Contracting Agencies



# Non Reclaimable Wastewater

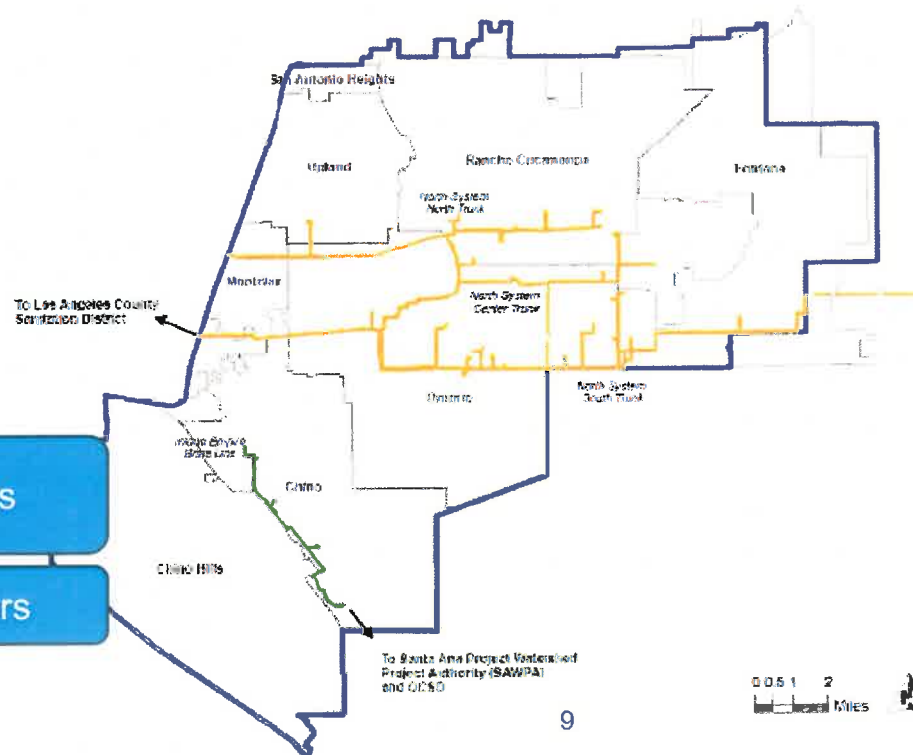
Sanitation District of Los Angeles County – North System  
Santa Ana Watershed Project Authority – South System

Exports export high-salinity industrial wastewater for treatment and discharge to the Pacific Ocean

North: 39 customers

South – 15 customers

## NON-RECLAIMABLE WASTEWATER SYSTEM AND DISCHARGES



## Expenses

- Pass through operating fees
- System improvements
- Debt service
- Program support

## Revenues

- Pass through operating revenues
- Capital improvement reimbursement

**RECEIVE AND  
FILE**

**3B**





## **Regional Sewerage Program Policy Committee Meeting**

**Thursday, March 2, 2017  
4:30 p.m.**

### **Location**

Inland Empire Utilities Agency  
Event Room – Building B  
6075 Kimball Avenue  
Chino, CA 91710

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### **Call to Order and Roll Call**

### **Pledge of Allegiance**

### **Public Comment**

### **Additions to the Agenda**

#### **1. Technical Committee Report (Oral)**

#### **2. Action Item**

- A. Approval of the November 3 and December 6, 2016 Meeting Minutes

#### **3. Informational Items**

- A. RP-5 Expansion Preliminary Design Report
- B. Regional Contract Update/Renewal
- C. Fund Overview

#### **4. Receive and File**

- A. Operations Summary Update
- B. 2017A Refunding Bond Update
- C. Building Activity Update
- D. Recycled Water Distribution – Operations Summary

#### **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 – April 6, 2017

#### **6. Adjournment**

### **DECLARATION OF POSTING**

I, Laura Mantilla, Executive 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 Monday, February 27, 2017.

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Laura Mantilla

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# Building Activity Report - YTD Fiscal Year 2016/17



## Legend

- Service Area
- Unincorporated

## EDU (YTD)

### Residential

- ≤1.0
- 1.0 - 10.0
- >10.0

### Commercial

- ≤1.0
- 1.0 - 10.0
- >10.0

### Industrial

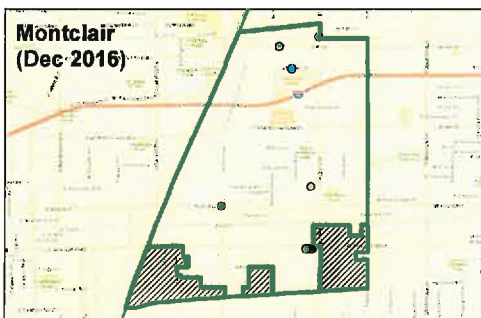
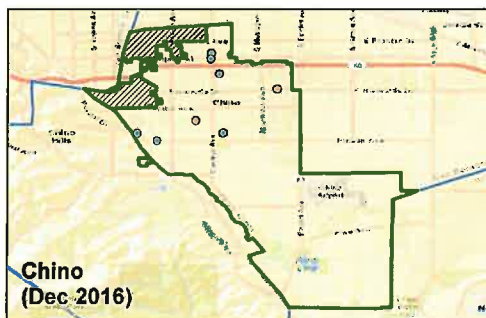
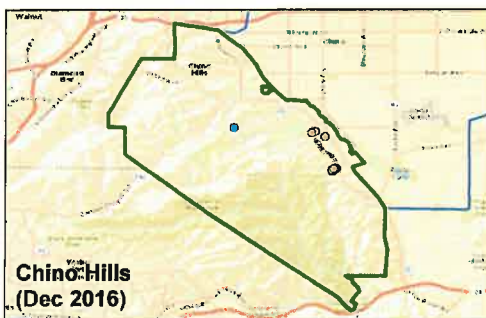
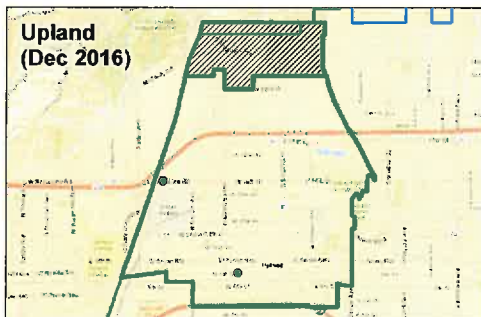
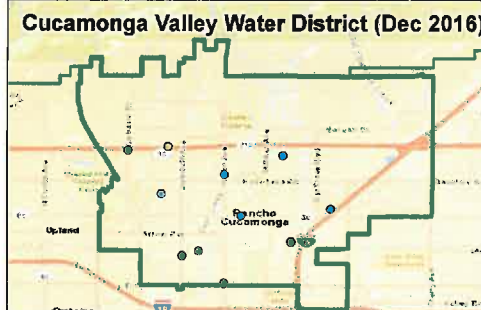
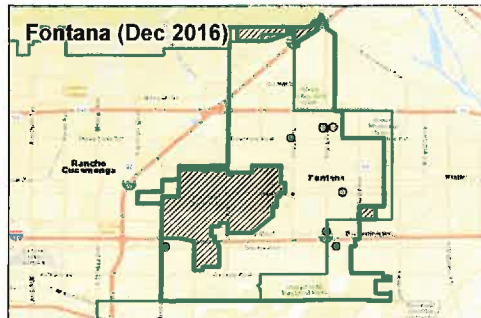
- ≤1.0
- 1.0 - 10.0
- >10.0

## HALF MILE GRID: TOTAL EDU's (YTD)



## TOTAL EDU BY CONNECTION TYPE (YTD)

Contracting Agency	YTD Actual			Total (EDUs)	Projected
	Residential (EDUs)	Commercial (EDUs)	Industrial (EDUs)		
Chino	227	150	0	377	610
Chino Hills	365	10	0	375	1236
CVWD	304	64	1	368	364
Fontana	119	64	4	187	605
Montclair	44	25	8	77	85
Ontario	298	91	188	577	2050
Upland	43	20	0	63	237
Total	1400	423	201	2024	5277

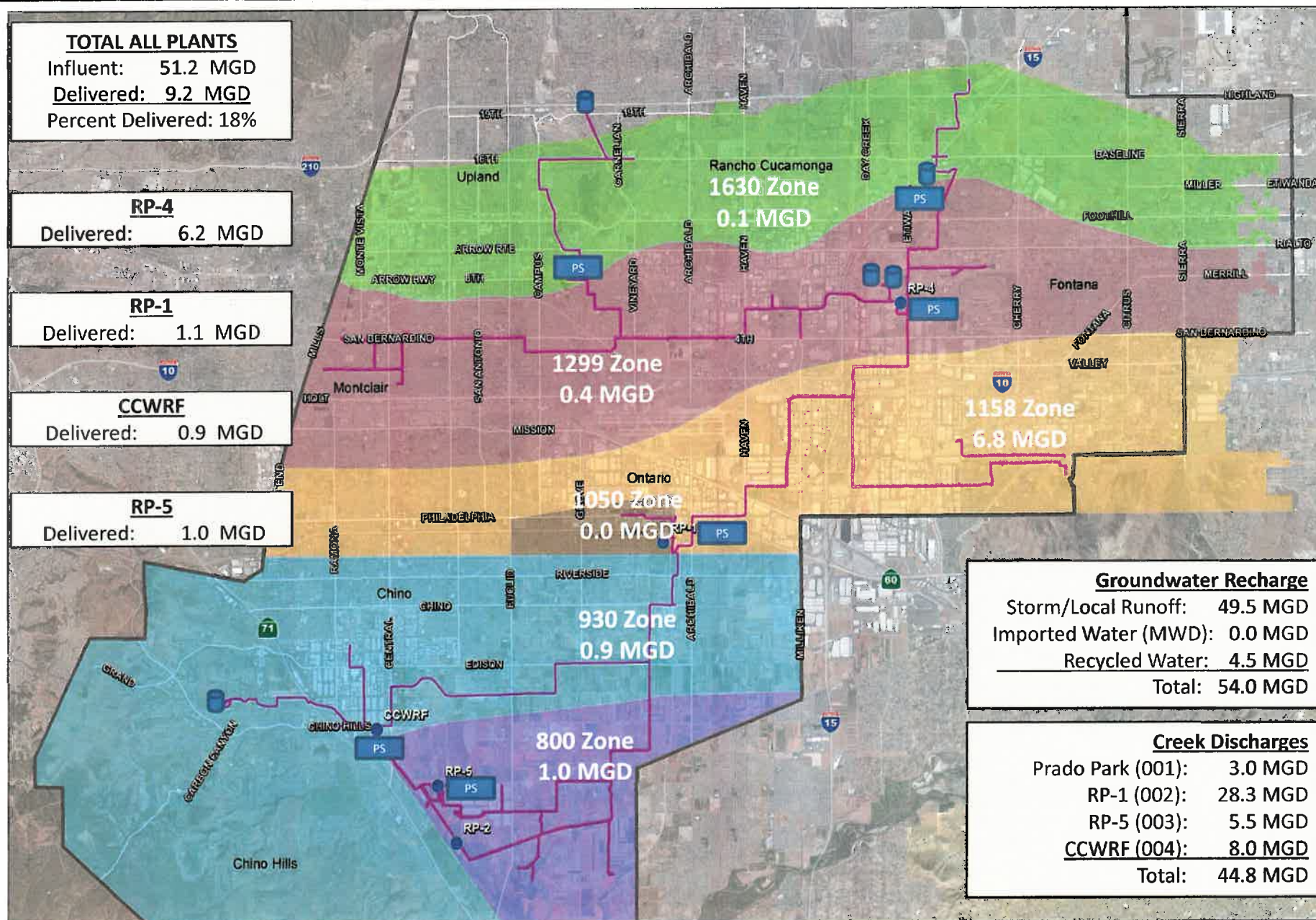


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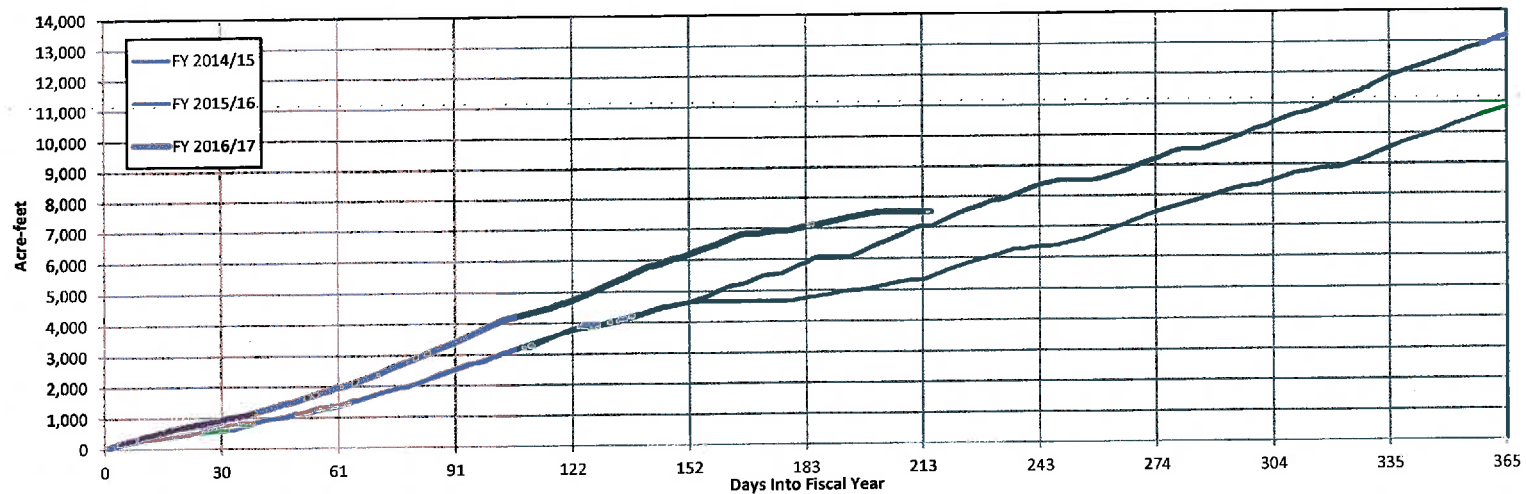
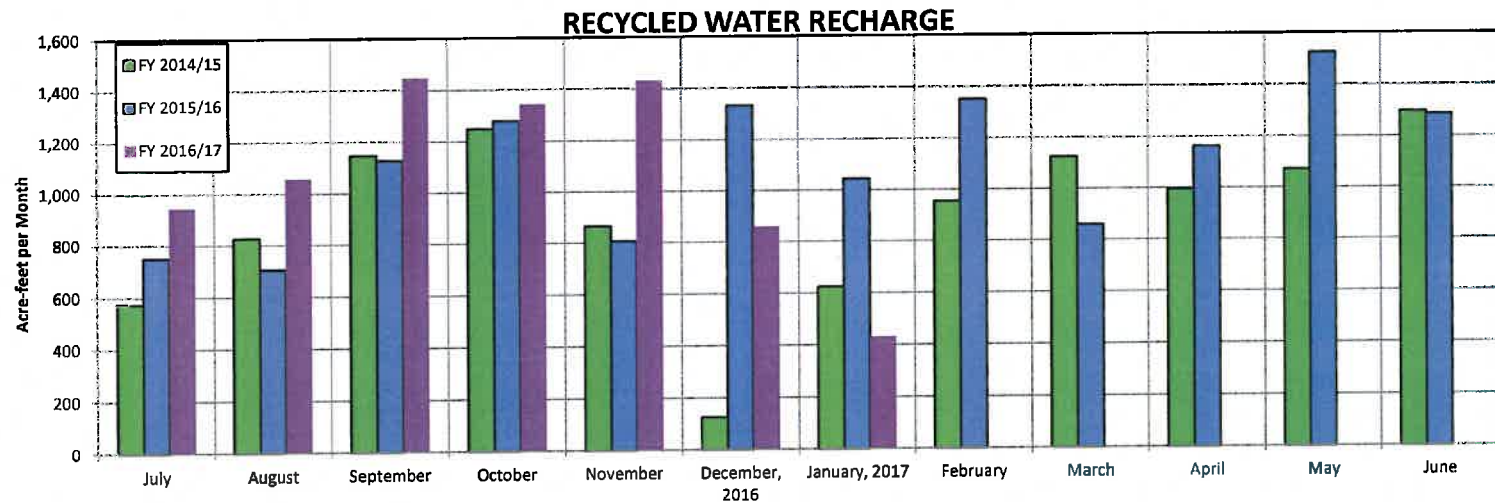


**IEUA RECYCLED WATER DISTRIBUTION – JANUARY 2017**



Recycled Water Recharge Deliveries / Plan - January 2017 (Acre-Feet)						Deliveries are draft until reported as final.		
Basin	1/1-1/6	1/7-1/13	1/14-1/20	1/21-1/27	1/28-1/31	Month Actual	Month Plan	FY To Date Actual
Ely	0.0	0.0	0.0	0.0	0.0	0.0	0	779
Banana	0.0	0.0	0.0	0.0	0.0	0.0	0	500
Hickory	0.0	0.0	0.0	0.0	0.0	0.0	0	136
Turner 1 & 2	0.0	0.0	0.0	0.0	0.0	0.0	75	368
Turner 3 & 4	0.0	0.0	0.0	0.0	0.0	0.0	75	
8th Street	0.0	0.0	0.0	0.0	0.0	0.0	0	1409
Brooks	0.0	0.0	0.0	0.0	0.0	0.0	0	293
RP3	157.9	176.8	95.8	0.8	0.0	431.2	475	2998
Declez	0.0	0.0	0.0	0.0	0.0	0.0	0	514
Victoria	0.0	0.2	0.0	0.0	0.0	0.2	75	519
San Sevaine	0.0	0.0	0.0	0.0	0.0	0.0	0	0
Total	157.9	177.0	95.8	0.8	0.0	431.4	700	7,516

7,039 AF, Previous FY End of Month Actual



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**REGIONAL SEWERAGE PROGRAM  
PRETREATMENT SUBCOMMITTEE**

January 10, 2017  
1:30 PM  
IEUA HQ Building A, Rains Conference Room  
6075 Kimball Avenue  
Chino, CA 91710

**Minutes**

**Members Present**

Ruben Valdez.....	City of Chino
Robert Herbster.....	City of Upland
Michael Birmelin.....	City of Ontario
Andy Zummo.....	City of Chino Hills
Craig Proctor.....	IEUA

**Absent**

Braden Yu.....	CWWD
Tony Mata.....	City of Fontana
Nicole deMoet.....	City of Montclair

**Others Present**

Ken Tam.....	IEUA
Julio Im.....	IEUA

**1. Introductions**

Introductions of those present were given.

**2. Informational Items & Updates**

**a. Tech Meeting Report**

Nothing to report.

b. Treatment Plants

RP-1/RP-4:

- RP-1/RP-4 met all the NPDES requirements during the months of October & November 2016.

RP-5:

- RP-5 met all the NPDES requirements during the months of October & November 2016.

CCWRF:

- CCWRF met all the NPDES requirements during the months of October & November 2016.

Agency-wide:

- The Agency-Wide 12-month running average TDS for the months of October & November 2016 were 506 and 505 mg/L, respectively, which did not exceed the 550 mg/L Agency-wide 12-month running average limit.
- The Agency-wide 12-month running average incremental increase between secondary effluent and water supply TDS for the months of October & November 2016 were 221 and 223 mg/L, respectively, which did not exceed the 250 mg/L Agency-wide 12-month running average limit.

Collections System:

- No SSOs occurred during the months of October & November 2016.

Recycled Water:

- No unauthorized discharges of more than 50,000 gallons of disinfected tertiary recycled water into the waters of the state occurred during the months of October & November 2016.
- No agricultural runoff events were reported to IEUA by member agencies during the months of October & November 2016.

c. Pretreatment Programs

Envision Plastics, in the City of Chino, was issued Notices of Non-Compliance for exceeding the permitted local limit for TDS in October and November. Results of industries investigation point to a non-routine activity which consisted of cleaning out a sink float tank, as the likely cause of the violations. Envision Plastics is having a company experienced in wastewater processes and equipment review



their system to see if operational improvements can be made. Resampling was conducted and results indicated compliance.

Inland Powder Coating, in the City of Ontario, was issued a Notice of Violation for exceeding the permitted local limit for TDS in December. Results of industries investigation was inconclusive. Three weeks of weekly sampling was conducted and results indicated compliance. No further enforcement action was necessary.

Netshapes, in the City of Ontario, was issued a Notice of Violation for exceeding the federal monthly average limit for Oil and Grease. Results of industries investigation found that operators failed to clean the oil and grease traps. As a corrective action, refresher training was conducted on proper maintenance of the oil removal systems. Resampling was conducted and results indicated compliance. No further enforcement action was necessary.

Jewlland-Freya Health Sciences, LLC, dba Ingredients by Nature Mfg., LLC., in the City of Montclair, was issued a Notice of Violation and Order for Corrective Action for failure to comply with all terms of the Enforcement Compliance Schedule Agreement and for improper chemical storage and labeling. Because of the continued non-compliance, Industry will be issued an Administrative Complaint for Administrative Civil Liability. A hearing on this matter is being scheduled within the next month.

### 3. Discussion Items

#### a. Local Limits

As previously reported, the revised IEUA NPDES Permit was approved by the Regional Board in October 2015. The new permit contained limits for Dioxin which was not part of the original local limits study. Therefor IEUA conducted a review to determine if Dioxin should have a local limit. After completing its evaluation, it was determined there will not need to be a local limit for this constituent. Additionally, there is a concern now the Regional Board will no longer allow IEUA to use TDS, Fixed for TDS compliance determination. The Regional Board has indicated they believe this method underestimates the amount of inorganic TDS in the wastewater. Their preference is to use TDS by summation. IEUA will propose this change with its local limits amendment which will be sent to the Board in February 2017.

#### b. Pretreatment Compliance Audit

IEUA had its Pretreatment Compliance Audit (PCA) performed by Tetra Tech (EPA Contract Auditors) in November. The auditors reviewed IEUA's Ordinance, Enforcement Response Plan and conducted site inspections and file review for several of the permitted industries. It is expected the final report will be received in the next several months once the Regional Board has reviewed.

c. Exhibit J Evaluation – Carollo Engineering

IEUA provided an update to the committee on the status of the Carollo Engineering study and next steps.

4. Other Items

None

The next committee meeting is tentatively scheduled for March 2017.

The meeting adjourned at 2:25 p.m.