Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Regional Sewerage Program Technical Committee Meeting

AGENDA
Thursday, August 26, 2021
2:00 p.m.
Teleconference Call

PURSUANT TO THE PROVISIONS OF EXECUTIVE ORDER N-25-20 ISSUED BY GOVERNOR GAVIN NEWSOM ON MARCH 12, 2020, AND EXECUTIVE ORDER N-29-20 ISSUED BY GOVERNOR GAVIN NEWSOM ON MARCH 17, 2020 ANY COMMITTEE MEMBER MAY CALL INTO THE COMMITTEE MEETING WITHOUT OTHERWISE COMPLYING WITH ALL BROWN ACT'S TELECONFERENCE REQUIREMENTS.

In effort to prevent the spread of COVID-19, the Regional Sewerage Program Technical Committee Meeting will be held remotely by teleconference.

Teams Conference Link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_NmRmY2FmMDYtNTBmMS00MjA5LTk3ODgtZDkyY2U3MTRmZGYz%40thread.v2/0?context=%7b%22Tid%22%3a%224c0c1e57-30f3-4048-9bd2-cd58917dcf07%22%2c%22Oid%22%3a%22329ec40e-eb94-4218-9621-6bfa0baa9697%22%7d

Teleconference: (415) 856-9169/Conference ID: 715 477 121#

This meeting is being conducted virtually by video and audio conferencing. There will be no public location available to attend the meeting; however, the public may participate and provide public comment during the meeting by calling into the number provided above. Alternatively, you may email your public comments to the Recording Secretary Sally H. Lee at shlee@ieua.org no later than 24 hours prior to the scheduled meeting time. Your comments will then be read into the record during the meeting.

Call to Order

Roll Call

Public Comment

Members of the public may address the Committee on any item that is within the jurisdiction of the Committee; 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. Comments will be limited to three minutes per speaker.

(Continued)

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. **Action Items**
   A. Approval of July 29, 2021 Technical Committee Meeting Minutes
   B. Request by the City of Ontario for a Regional Connection Point to the Upland Interceptor Relief Sewer (Ontario Regional Sewer Connection #O-105)
   C. Request by the City of Ontario for a Regional Connection Point to the Upland Interceptor Relief Sewer (Ontario Regional Sewer Connection #106)
   D. 2021 IEUA Wastewater and Recycled Water Demand Forecasts

2. **Informational Items**
   A. CBP|WSIP Update
   B. Building Activity Reporting
   C. Return to Sewer Study *(Oral)*
   D. Operations & Compliance Updates *(Oral)*

3. **Receive and File**
   A. Draft Regional Sewerage Program Policy Committee Meeting Agenda
   B. Recycled Water Distribution - Operations Summary
   C. Pretreatment Committee Meeting Minutes
   D. CBP|WSIP Workgroup Meeting Presentation

4. **Technical Committee Items Distributed**
   A. Operations and Compliance Update Follow-up (1,2,3-Trichloropropane)

5. **Other Business**
   A. IEUA General Manager's Update
   B. Committee Member Requested Agenda Items for Next Meeting
   C. Committee Member Comments
   D. Next Regular Meeting – September 30, 2021

Adjournment

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Recording Secretary (909) 993-1926, 48 hours prior to the scheduled meeting so that the Agency can make reasonable arrangements.

DECLARATION OF POSTING

I, Sally H. Lee, Executive Assistant of the Inland Empire Utilities Agency, A Municipal Water District, hereby certify that a copy of this agenda has been posted to the IEUA Website at www.ieua.org and posted at the Agency's main office at 6075 Kimball Avenue, Building A, Chino, CA, on Thursday, August 19, 2021.

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Sally H. Lee

ACTION ITEM

1A

Regional Sewerage Program
Technical Committee Meeting
MINUTES OF JULY 29, 2021

CALL TO ORDER

A regular meeting of the IEUA/Regional Sewerage Program – Technical Committee was held via teleconference on Thursday, July 29, 2021. Committee Chair Nicole deMoet/City of Upland called the meeting to order at 2:00 p.m. Recording Secretary Sally Lee took roll call and established a quorum was present.

ATTENDANCE via Teleconference

COMMITTEE MEMBERS PRESENT:

Amanda Coker	City of Chino
Eduardo Espinoza	Cucamonga Valley Water District (CVWD)
Mark Wiley	City of Chino Hills
Abigail Gomez	City of Fontana
Mike Hudson	City of Montclair
Courtney Jones	City of Ontario
Nicole deMoet	City of Upland
Shivaji Deshmukh	Inland Empire Utilities Agency (IEUA)

OTHERS PRESENT:

Steve Nix	City of Fontana
Christopher T. Quach	City of Ontario
Julian Chang	City of Upland
Braden Yu	City of Upland
Bob Jones	Unknown
Kathy Besser	Inland Empire Utilities Agency
Christiana Daisy	Inland Empire Utilities Agency
Randy Lee	Inland Empire Utilities Agency
Christina Valencia	Inland Empire Utilities Agency
Jerry Burke	Inland Empire Utilities Agency
Javier Chagoyen-Lazaro	Inland Empire Utilities Agency
Robert Delgado	Inland Empire Utilities Agency
Lucia Diaz	Inland Empire Utilities Agency
Elizabeth Hurst	Inland Empire Utilities Agency
Sally Lee	Inland Empire Utilities Agency
Sylvie Lee	Inland Empire Utilities Agency
Scott Lening	Inland Empire Utilities Agency

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Eddie Lin	Inland Empire Utilities Agency
Scott Oakden	Inland Empire Utilities Agency
Cathleen Pieroni	Inland Empire Utilities Agency
Ken Tam	Inland Empire Utilities Agency

PUBLIC COMMENTS
There were no public comments.

ADDITIONS/CHANGES TO THE AGENDA
There were no additions/changes to the agenda.

1. **ACTION ITEM**
   A. **APPROVAL OF JUNE 24, 2021 TECHNICAL COMMITTEE MEETING MINUTES**

Motion: By Eduardo Espinoza/CVWD and seconded by Courtney Jones/City of Ontario to approve the meeting minutes of the June 24, 2021 Technical Committee meeting.

Motion carried: Ayes: 8; Noes: 0; Absent: 0; Abstained: 0

With the following roll call vote:

Ayes: Espinoza, Jones, Coker, Deshmukh, Gomez, Wiley, deMoet
Noes: None
Absent: None
Abstain: Hudson

2. **INFORMATIONAL ITEMS**
   A. **OPERATIONS DIVISION QUARTERLY UPDATE**
   Scott Lening/IEUA provided an Operations Division Quarterly update.

   B. **ENGINEERING AND CONSTRUCTION MANAGEMENT PROJECT UPDATES**
   Jerry Burke/IEUA provided an update on Engineering and Construction Management projects.

   C. **2021 SEWER SYSTEM MANAGEMENT PLAN AUDIT REPORT UPDATE**
   Lucia Diaz/IEUA provided an update on the 2021 Sewer System Management Plan Audit report.

   D. **RETURN TO SEWER STUDY**
   Ken Tam/IEUA provided an update on the progress of the expanded Return to Sewer Study and the CASA Flow and Loading Study.

   E. **OPERATIONS & COMPLIANCE UPDATES**
   Ken Tam/IEUA stated there is accelerated monitoring for toxicity at RP-1. Staff is in the process of securing a consultant to assist in evaluating the toxicants. He stated that there were no sanitary sewer overflows or collection issues in the southern and northern service area. In the southern service area, there is accelerated monitoring for discharge for toxicity at Prado. Staff is awaiting the results of the second monitoring test; the first test passed. He stated that RP-5 experienced the loss of one mixed liquor return pump, operation staff replaced the failed pump with submersible units, and avoided a

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disruption in operation. The pump is being repaired and will be reinstalled next week. Recycled water use for groundwater recharge is exceeding the maximum part per trillion (ppt) for 1,2,3, -Trichloropropane (1,2,3 - TCP) and weekly monitoring continues to be performed. Perfluorooctanoic acid (PFOA) testing continues to exceed the notification level of 5.1 ppt and weekly testing for PFOA is currently taking place. Amanda Coker/City of Chino asked how much the recycled water was exceeding the maximum ppt requirement. Mr. Tam stated that he will provide that information.

3. RECEIVE AND FILE

A. DRAFT REGIONAL SEWERAGE PROGRAM POLICY COMMITTEE MEETING AGENDA

The draft Regional Sewerage Program Policy Committee meeting agenda was received and filed by the Committee.

B. BUILDING ACTIVITY REPORT

The Building Activity Report for May 2021 was received and filed by the Committee.

C. RECYCLED WATER DISTRIBUTION – OPERATIONS SUMMARY

The Recycled Water Distribution – Operations Summary for June 2021 was received and filed by the Committee.

4. TECHNICAL COMMITTEE ITEMS DISTRIBUTED

A. CHINO BASIN PROGRAM | WATER STORAGE INVESTMENT PROGRAM FACT SHEET

5. OTHER BUSINESS

A. IEUA GENERAL MANAGER'S UPDATE

General Manager Shivaji Deshmukh stated that safety continues to be a priority with staff. He shared that the Inland Empire Regional Composting Facilities reached two years without any recordable or lost-time incidents.

B. COMMITTEE MEMBER REQUESTED AGENDA ITEMS FOR NEXT MEETING

Ms. Jones requested a presentation on the status and configuration of the Chino Basin Program |Water Storage Investment Program that includes the wastewater component at the next Technical and Policy Committee meeting.

C. COMMITTEE MEMBER COMMENTS

Eduardo Espinoza/CVWD stated his appreciation for the staff presentations. Chair deMoet asked Regional Contract contracting agencies for their availability to meet to discuss the Regional Contract negotiations.

D. NEXT MEETING – AUGUST 26, 2021

ADJOURNMENT – Chair deMoet adjourned the meeting at 2:37 p.m.

Prepared by:

_____

Sally H. Lee, Executive Assistant

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ACTION ITEM

1B

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date: August 26, 2021

To: Regional Technical Committee

From: Inland Empire Utilities Agency

Subject: Request by the City of Ontario for a Regional Connection Point to the Upland Interceptor Relief Sewer (Ontario Regional Sewer Connection# O-105)

RECOMMENDATION

It is recommended that the Regional Technical Committee approve the request by the City of Ontario for one new connection point to the Upland Interceptor Relief Sewer (Ontario Regional Sewer Connection # O-105).

BACKGROUND

On April 9, 2021, Inland Empire Utilities Agency (IEUA) received a request from the City of Ontario (Attachment "A") for the approval of a new Regional Connection to the Upland Interceptor Relief Sewer at Station 59+53.71 through a reconstructed manhole (MH) on the northwest side to this 36" sewer located at the intersection of Grove Avenue and Holt Boulevard. The Upland Interceptor Relief Sewer has sufficient ultimate capacity to accept this flow. This request will modify an existing tributary area point of connection in order to mitigate capacity deficiencies under future buildout conditions in the City of Ontario's collection system.

An overall vicinity map is provided to show where flow will be removed from and rerouted to (Attachment "B"). It should be emphasized that this flow is already permitted in the system.

Average Dry Weather Flows provided by the City and peaked using IEUA's Peaking Factors:

SUMMARY OF FLOW RATES UTILIZED

Ontario Regional Connection O-105:

Average Dry Weather Flow (ADWF) Rate =0.32MGD (222 GPM)
Peak Dry Weather Flow (PDWF) Rate = 0.67 MGD (463 GPM)
Peak Wet Weather Flow (PWWF) Rate =0.89 MGD (616 GPM)

The hydraulic analysis confirmed that the connection will not create a capacity deficiency within the Upland Interceptor Relief Sewer and that there is sufficient capacity in the Interceptor under future buildout peak flow conditions to convey projected flows at the design criteria from the proposed connection to RP-1.

ATTACHMENT A

April 9, 2021, City of Ontario Regional Interceptor Request

CITY OF ONTARIO
303 EAST B STREET | ONTARIO, CALIFORNIA 91764
(909) 395-2000 FAX (909) 395-2070 OntarioCA.gov

PAUL S. LEON
MAYOR

ALAN D. WAPNER
MAYOR PRO TEM

JIM W. BOWMAN
DEBRA DORST-PORADA
RUBEN VALENCIA
COUNCIL MEMBERS

SHEILA MAUTZ
CITY CLERK

JAMES R. MILHISER
TREASURER

SCOTT OCHOA
CITY MANAGER

April 9, 2021

Mr. Matthew Poeske
Senior Engineer
Inland Empire Utility Agency
6075 Kimball Avenue
Chino, CA 91710

Subject: Request for a new Regional Sewer Connection to the 36-inch Upland Interceptor Relief Sewer at the intersection of Grove Ave. and Holt Blvd.

The City of Ontario is hereby requesting a new Regional Point of Connection to the Upland Interceptor Relief Sewer located at the intersection of Grove Ave. and Holt Blvd.

The City is proposing to connect a new sewer main (15-inch) to the Upland Interceptor at an existing manhole located within the intersection of Grove Ave. and Holt Blvd. (per IEUA drawing #D4645, Cucamonga Interceptor at STA 59+53.71). The connection will require reconstructing the manhole to add a new stub on the northwest side of the manhole (See attached Exhibit 1).

This proposed connection is part of CIP No. 2, included in the City of Ontario's Sewer Master Plan (draft 2020 update) to address build-out capacity (ultimate) deficiencies. The total ultimate estimated Average Dry Weather Flow (ADWF) is 0.32 mgd and the Peak Dry Weather Flow (PDWF) is 0.71 mgd. This was based on the City's draft 2020 Sewer Master Plan Demand Factors and peaking formula (PDWF = 1.77(ADWF)^0.893).

If you should need any further information, please contact Thom Lambertson at (909) 395-2774.

Sincerely,

Dennis Mejia, P.E.
Utilities Engineering Division Manager

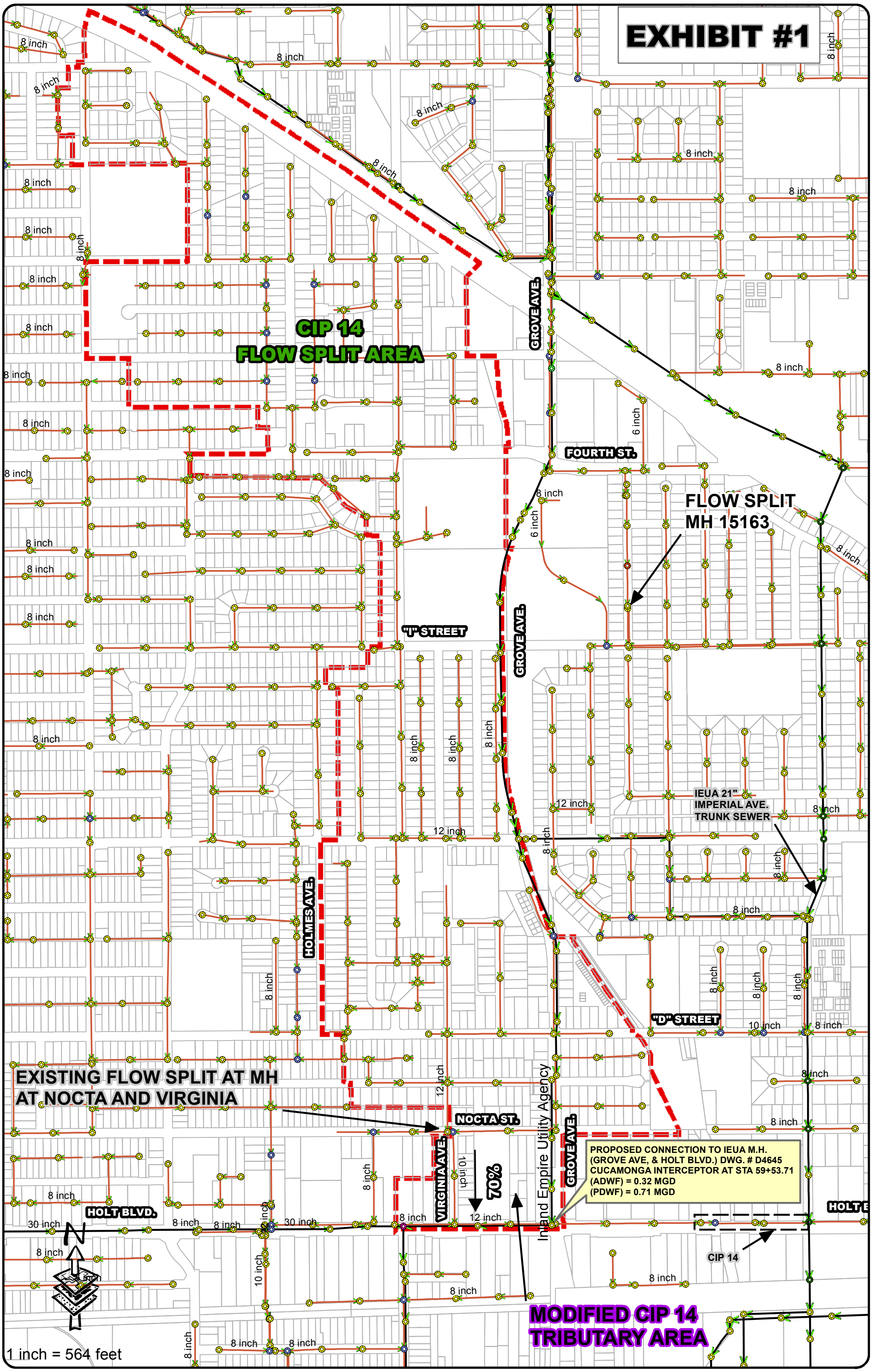
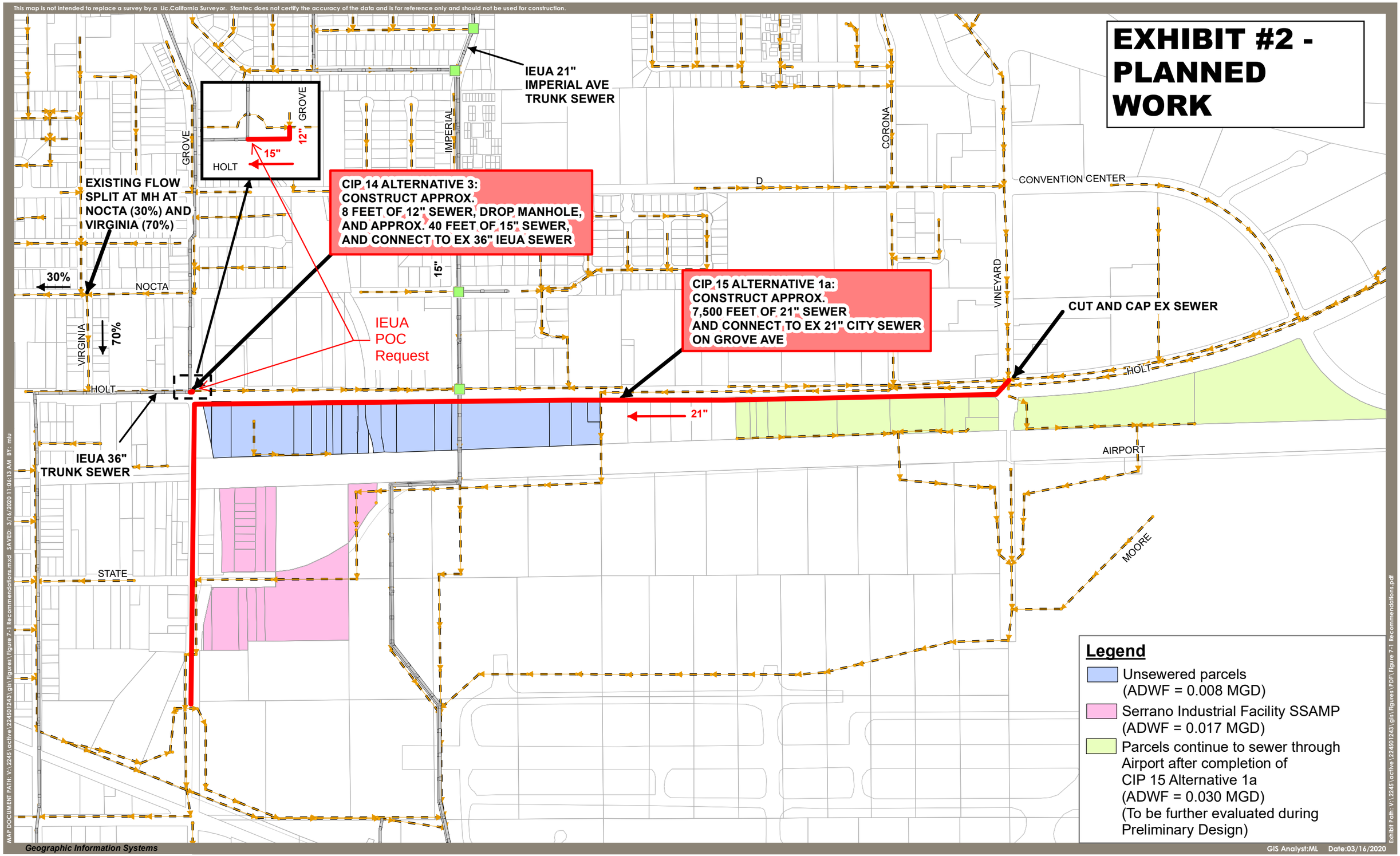


EXHIBIT #1
CIP 14
FLOW SPLIT AREA
GROVE AVE.
FOURTH ST.
FLOW SPLIT
MH 15163
"I" STREET
GROVE AVE.
IEUA 21"
IMPERIAL AVE.
TRUNK SEWER
HOLMES AVE.
"D" STREET
EXISTING FLOW SPLIT AT MH
AT NOCTA AND VIRGINIA
NOCTA ST.
VIRGINIA AVE.
70%
Inland Empire Utility Agency
GROVE AVE.
PROPOSED CONNECTION TO IEUA M.H.
(GROVE AVE, & HOLT BLVD.) DWG. # D4645
CUCAMONGA INTERCEPTOR AT STA 59+53.71
(ADWF) = 0.32 MGD
(PDWF) = 0.71 MGD
HOLT BLVD.
CIP 14
MODIFIED CIP 14
TRIBUTARY AREA
1 inch = 564 feet



Stantec
38 Technology Drive, Irvine, CA 92618
Phone 949.923.6000 www.stantec.com

0 170 340 680 1,020 1,360
1 inch = 567 feet

N

North Vineyard Sewer Main Feasibility Study
Future Improvement Recommendations
Figure 7-1
City of Ontario, CA

ATTACHMENT B

General Location for Connection O-105

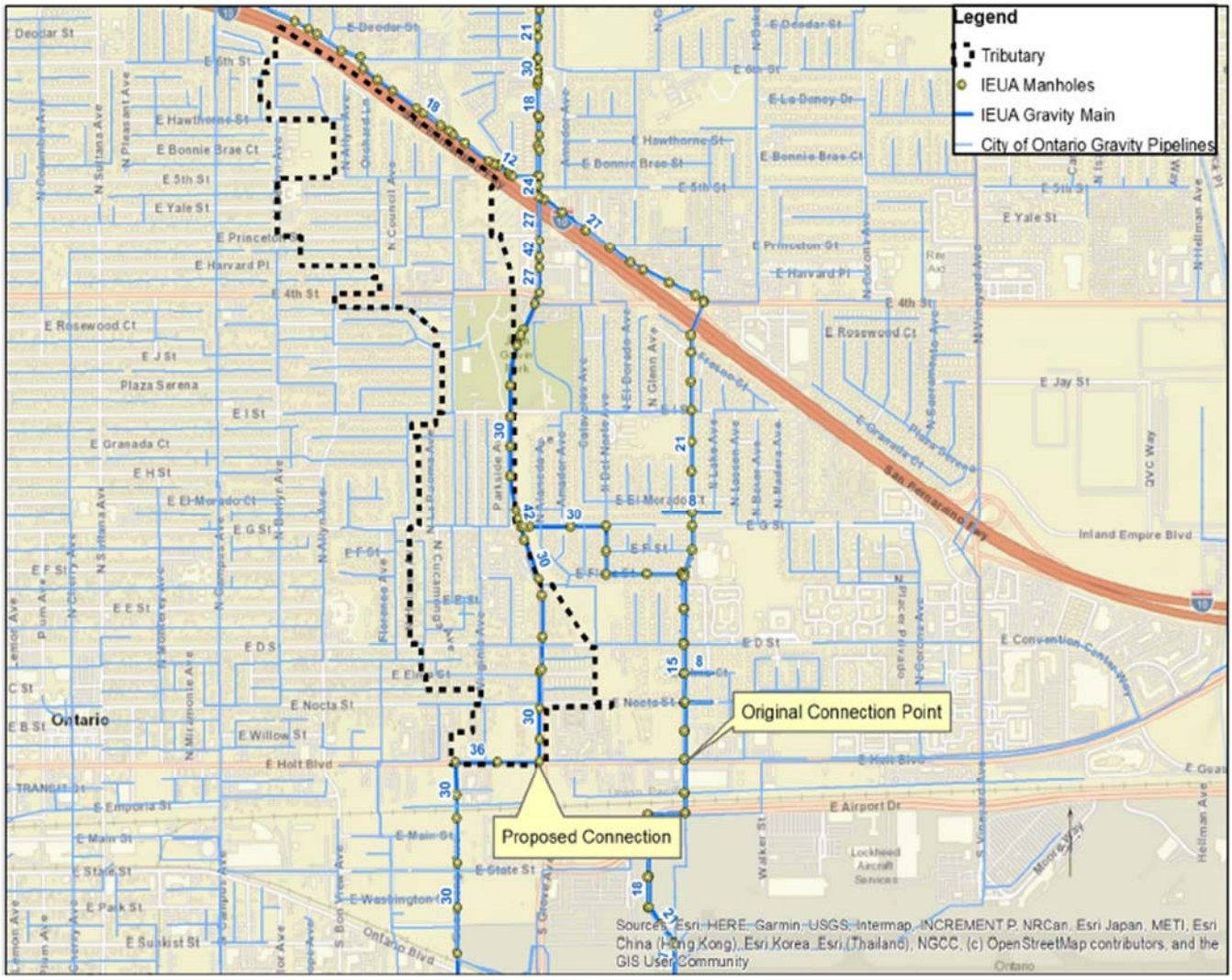


Figure 1 City of Ontario's Tributary and Upland Interceptor Relief Sewer

ACTION ITEM

1C

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date: August 26, 2021

To: Regional Technical Committee

From: Inland Empire Utilities Agency

Subject: Request by the City of Ontario for a Regional Connection Point to the Upland Interceptor Relief Sewer (Ontario Regional Sewer Connection # O-106)

RECOMMENDATION

It is recommended that the Regional Technical Committee approve the request by the City of Ontario for one new connection point to the Upland Interceptor Relief Sewer (Ontario Regional Sewer Connection # O-106).

BACKGROUND

On April 21, 2021, Inland Empire Utilities Agency (IEUA) received a request from the City of Ontario (Attachment "A") for the approval of a new Regional Connection to the Upland Interceptor Relief Sewer at Station 21+45 through the construction of a new MH on the west side of this tributary area where the upstream 30" increases to a 36" sewer.

The connection point is required to serve both existing and future development, some of which is assigned to Regional Connection # O-004. Appendix A is the City of Ontario's request for a new connection. Currently, existing development disposes of wastewater onsite (Septic). Attachment B, Figure 1, shows an exhibit of the proposed regional connection and tributary area generating wastewater. This connection will also provide service to a proposed new Kimberly Horn development.

Average Daily Flows provided by the City of Ontario and peaked using IEUA's peaking factors for this connection:

SUMMARY OF FLOW RATES UTILIZED

Ontario Regional Connection O-106:

Average Daily Wastewater Flow (ADWF) Rate =0.008382MGD (5.82 GPM)
Peak Dry Weather Flow (PDWF) Rate = 0.023347 MGD (16.21 GPM)
Peak Wet Weather Flow (PWWF) Rate =0.032225 MGD (22.38 GPM)

The hydraulic model was used to evaluate the Upland Interceptor Relief Sewer under buildout flow conditions and confirmed the connections will not create a capacity deficiency within the Upland Interceptor Relief Sewer. Downstream of the connection point, under buildout peak flow, the Upland Relief Sewer has a d/D of 0.1 and flowrate of 0.69 MGD without the connection. With the proposed connection, the relief sewer has a d/D of 0.1 and a flowrate of 0.72 MGD. Further downstream with the Upland Interceptor flows diverted into the relief sewer, the d/D is 0.61 with a flow rate of 16.4 MGD. There is sufficient capacity in the Interceptor under buildout peak flow conditions to convey projected flows from the proposed connections to RP-1 and flow depth can be maintained at d/D=0.75 at ultimate.

ATTACHMENT A

April 21, 2021, City of Ontario Regional Interceptor Request

CITY OF ONTARIO

303 EAST B STREET | ONTARIO, CALIFORNIA 91764

(909) 395-2000 FAX (909) 395-2070 OntarioCA.gov

PAUL S. LEON
MAYOR

ALAN D. WAPNER
MAYOR PRO TEM

JIM W. BOWMAN
DEBRA DORST-PORADA
RUBEN VALENCIA
COUNCIL MEMBERS

SHEILA MAUTZ
CITY CLERK

JAMES R. MILHISER
TREASURER

SCOTT OCHOA
CITY MANAGER

April 21, 2021

Mr. Matthew Poeske
Senior Engineer
Inland Empire Utility Agency
6075 Kimball Avenue
Chino, CA 91710

Dear Mr. Poeske:

Subject: Request for Regional Sewer Connection to the Upland Interceptor Relief Sewer located in Cucamonga Ave at the intersection of California St.

The City of Ontario is hereby requesting a new Regional Point of Connection to the Upland Interceptor Relief Sewer in Cucamonga Avenue at the intersection of California St.

The City is proposing to connect a new 8-inch sewer main to the Upland Interceptor Relief Sewer at a New Manhole in the intersection of Cucamonga Ave and California St near Station 21+45 (per IEUA drawing #4645-1, Upland Interceptor Relief Sewer).

This proposed connection is for new development and existing development on Onsite Wastewater Treatment Systems OWTS/Septic) within the Proposed Tributary of approximately 5.31 Acres of Industrial and Business Park land use, which is included in the City of Ontario's Sewer Master Plan. These flows were previously included in the Ultimate Master Plan Flows for Regional Connection O-004 and are now proposed to be moved to this new Regional Connection.

The total ultimate estimated Average Dry Weather Flow (ADWF) is 0.008382 mgd, Peak Dry Weather Flow (PDWF) is 0.024747 mgd, and Peak Wet Weather Flow (PWWF) is 0.033161 mgd. This is based on the City's Draft 2020 Sewer Master Plan Demand Factors and peaking formula [PDWF = 1.77 x (ADWF)^0.893; PWWF = 1.34 x PDWF].

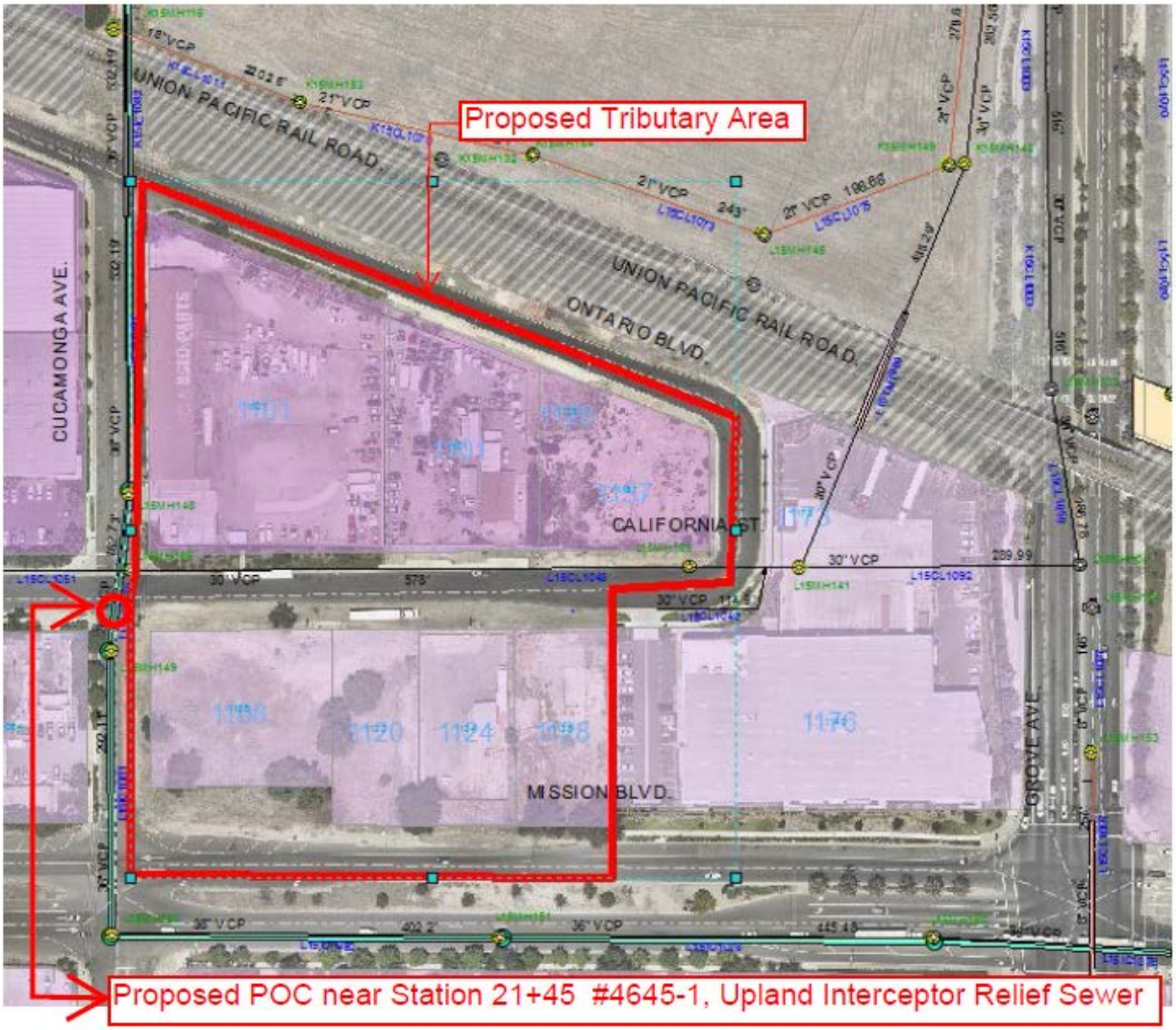
If you should need any further information, please contact Christy Stevens at (909) 395-2641.

Sincerely,

Dennis Mejia, P.E.
Utilities Engineering Division Manager

EXHIBIT 1

PROPOSED ONTARIO REGIONAL CONNECTION TRIBUTARY AREA



ATTACHMENT B

General Location for Connection O-106

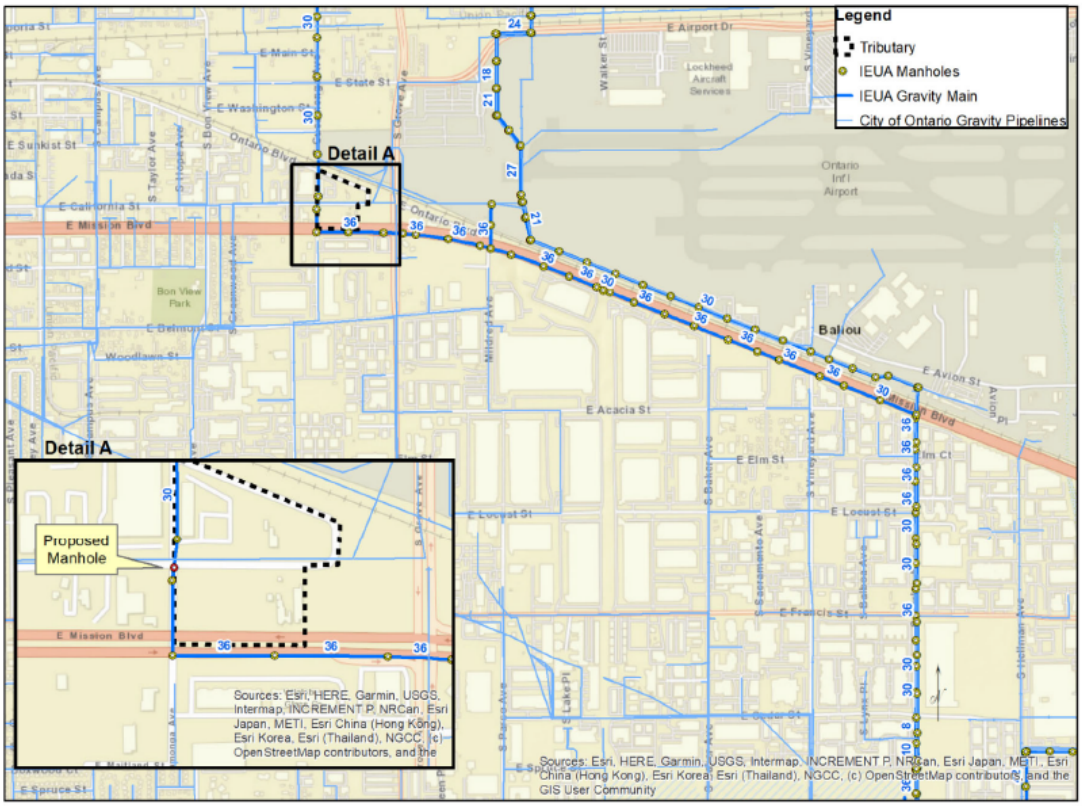


Figure 1 City of Ontario's Tributary and Upland Interceptor Relief Sewer

ACTION ITEM

1D

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date: August 26, 2021

To: Regional Technical Committee

From: Inland Empire Utilities Agency

Subject: 2021 IEUA Wastewater and Recycled Water Demand Forecasts

RECOMMENDATION

It is recommended that the Regional Technical Committee provide consensus that the 2021 Wastewater and Recycled Water Demand Forecast will serve as the demand forecast model for the IEUA service area.

BACKGROUND

In 2015, a land use demand model (Model), based on General Plan land use data, was developed as part of the 2015 IEUA Urban Water Management Plan (UWMP). The Model was capable of forecasting water demands in the IEUA service area. The development of the Model was supported by city/retail agencies and used in their UWMPs. IEUA intended to update the Model based on the current General Plans and develop unit use factors to project demands for water, recycled water, and wastewater in 5-year increments to the furthest build-out date.

A workshop was held on November 20, 2020 with the contracting agencies to provide an overview of the proposed methodology to develop the unit factors that will generate the wastewater flow and recycled water demand forecasts for new developments only. The 2015 land use acreage inventories for future land uses were maintained for this interim demand forecast.

For the wastewater flow factor, two sewer master plans and the pilot "return to sewer" study were evaluated to compare values. In a comparison to the actual 2020 influent flows, applying the City of Ontario's unit factor to the IEUA service area resulted in a 33% higher value; whereas, the pilot study generated almost a 6% higher value. Using the Per Capita method, the total flow was 17% higher than the 2020 actual. This was considered a reasonable value since new developments were being built at greater densities than older, established ones. It was agreed upon to use the Per Capita method which based the wastewater flow factor on a per capita basis depending on residential and non-residential land uses, starting with 50 gallons per capita per day (gpcd) in 2020 and incrementally decreasing by 5 gpcd every 5 years to 30 gpcd in 2040. This gradual reduction is anticipating indoor water use efficiencies.

Future New Flows by Contracting Agencies (gpd)				
	2025	2030	2035	2040
Chino	542,165	1,042,011	1,069,043	1,138,597
Chino Hills	186,624	416,288	364,302	593,896
CVWD	928,626	1,159,573	1,218,757	1,091,416
Fontana	1,408,453	2,012,335	2,556,174	2,278,544
Montclair	3,473	8,822	33,232	31,761
Ontario	1,404,136	2,799,537	3,058,027	5,483,941
Upland	59,382	109,874	112,160	153,366
Total	**4,532,858**	**7,548,439**	**8,411,695**	**10,771,520**

Adding the future new flows to the 2020 actual influent flow results in the incremental projected flows to 2040.

Total Projected Flows by Treatment Plant (gpd)					
	2020 Actual	2025	2030	2035	2040
RP1	23,491,685	24,655,887	25,065,668	25,379,875	25,285,712
RP4	9,339,146	10,829,104	11,648,771	12,101,338	11,836,409
RP5	8,460,502	10,193,321	11,817,753	11,898,963	14,333,499
CCWRF	7,881,736	8,027,615	8,189,315	8,204,588	8,488,968
Total	**49,173,069**	**53,705,927**	**56,721,508**	**57,584,764**	**59,944,589**

For the recycled water unit demand evaluation, actual billing data was used for sample properties under each land use type that were developed recently in Chino and Ontario where the extent of recycled water areas could be identified through aerial imagery such as landscaped areas, common areas, or frontages. The landscaped area was calculated as a percentage of the gross area. For each land use type, the billing data and calculated landscaped areas were averaged to develop the recycled water unit demands. Adjustment factors were included for recycled water such as climate change, passive conservation, and unbilled water estimates.

By applying the recycled water unit demands to the future land use acreage, the incremental 5-year potential recycled water demand projections are added to the 2020 IEUA direct use sales of 16,278 acre-feet resulting in a total demand projection of 27,855 acre-feet in 2040.

Recycled Water Potential (acre-feet)					
Source of Data	2020	2025	2030	2035	2040
Total IEUA Direct Use Sales	16,278				
New Growth Potential Demand		4,592	6,998	8,426	11,577
Total Potential Demand		**20,870**	**23,276**	**24,704**	**27,855**

The potential direct use demands by contracting agency are shown below:

Contracting Agency	Billed 2020	Potential Direct Use Demand (acre-feet) 2025	2030	2035	2040
Chino Total	4,795	5,498	5,780	5,961	6,178
New Demands Only		704	985	1,166	1,384
Chino Hills Total	1,417	1,858	2,047	2,047	2,626
New Demands Only		441	630	630	1,209
CVWD Total	1,038	2,032	2,288	2,513	2,674
New Demands Only		995	1,250	1,475	1,636
Fontana Total	211	994	1,392	1,911	2,000
New Demands Only		784	1,182	1,701	1,789
Montclair Total	298	359	363	396	398
New Demands Only		61	65	98	101
Ontario Total	7,817	9,188	10,383	10,814	12,820
New Demands Only		1,372	2,566	2,997	5,003
Upland Total	703	940	1,022	1,062	1,158
New Demands Only		237	320	359	455
Total	**16,278**	**20,870**	**23,275**	**24,704**	**27,855**

A second workshop was held on May 5, 2021 with the contracting agencies to discuss the results of the forecasting effort. The methodology for forecasting wastewater flows and recycled water demands being land use based and GIS-supported allowed for transparency. This interim evaluation reflected the general plans as of 2015 which provided the timing of development through 2040. When the model is updated in 2025, the main effort will be verifying the existing and future land uses with the current general plans of the contracting agencies for revised wastewater flow and recycled water demand projections.

A technical memorandum describing the methodology and resulting interim forecasts is attached for information.

INFORMATION ITEM

2A

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Date: August 26, 2021

To: Regional Technical Committee

From: Inland Empire Utilities Agency

Subject: Chino Basin Program

RECOMMENDATION

This is an information item per the Regional Technical Meeting's request at the July 29, 2021 meeting.

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

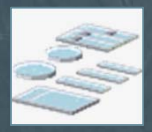
Chino Basin Program| WSIP

August 2021

CBP | WSIP Overview

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

1 Advanced Water Treatment



15,000 AF per year advanced treated recycled water

2 Groundwater Storage

375,000 AF
25 years through injection facilities

3 Wellhead Improvements

Constructs new wells and/or treatment

4 Pipeline Interconnection

Interconnection to MWD

$650 million (2019$) capital investment | **$212.1 million** WSIP Conditional Funding

CBP | WSIP Overview - Program Costs

Total program cost is $650M (2019$)

- Wastewater permit compliance (Baseline): $160 M
- Water supply development: $490 M
  - WSIP Funding: $212 M
- Early funding: $8.9 M
  - Covers all planning related expenses
  - Costs to date: $5 M

Work to date is for permit compliance and ensures water is available for future growth

Infrastructure	Capital Cost [2019$]
AWPF Baseline	$160 M
Water Supply	$490 M
AWPF added capacity + Injection Wells + Pipeline	$146 M
External Supply	$80 M
Extraction Wells	$95 M
Potable Water Pipeline + MWD Interconnection	$169 M
Total Project Cost	$650 M

Schedule | *CWC Feasibility Determination & Final Funding Award Requirements*

- January 1, 2022, Deadline for CWC to make feasibility determination:
  - Completed feasibility studies (Sep 2021)
  - Draft environmental document is available for public review (Oct 2021)
  - Commitments for local cost share (IEUA Board, Oct 2021)
  - Request CWC to make a feasibility determination (Nov 2021)

IEUA Board's commitment for local cost share in October 2021 will be based on member agency interest in the Chino Basin Program. This action will not set future rates.

IEUA commitment is needed for the project to remain eligible for funding.

Prior to entering into final funding agreement (2022-2023), IEUA will enter into required agreements with participating agencies and work with all its member agencies to levy rates and charges to recover local cost shares.

Schedule | *Timeline & Upcoming Milestones*

Aug 2021

CBP Workgroup Meeting

Sep 2021

Policy Workshop

CEQA Notice of Preparation

Oct 2021

IEUA Board Action

CEQA Circulation

Participating Agency Letter of Intent

Dec 2021

Deadline to submit Final Feasibility Report to secure WSIP funding by Jan 1, 2022

INFORMATION ITEM

2B

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

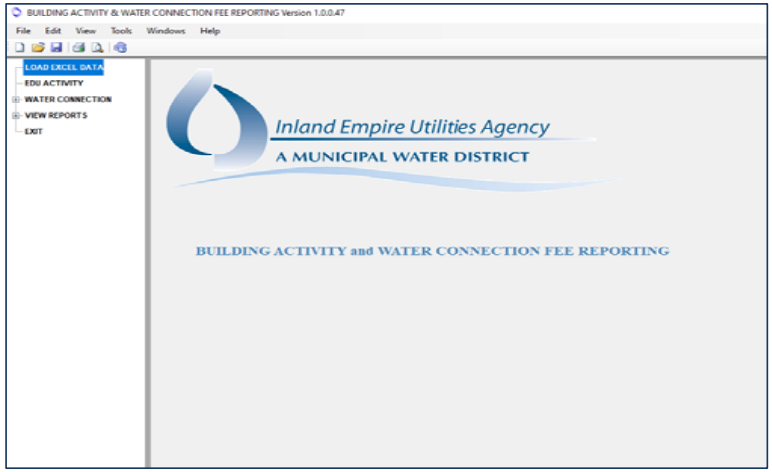
Building Activity Reporting

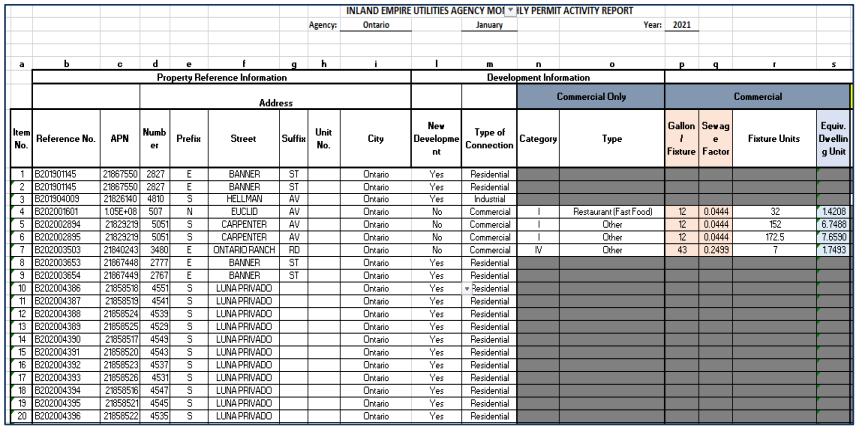
Ken Tam, P.E.
Deputy Manager of Strategic Planning & Resources

August 2021

Building Activity Reporting (BAR)

- Section 9A.A.2 of Regional Sewage Service Contract
- Monthly BAR – Due 15 days after end of month
  - Information on development (new or tenant improvements)
  - Equivalent Dwelling Units (EDUs) calculated via Exhibit J
  - Capital Capacity Reimbursement Account (CCRA) tracking
- IEUA BAR Database
  - Central data repository of BAR (2000 to present)
  - Established by BAR Subcommittee (2012)
    - Data collection review
    - Develop BAR template
    - Review/Amend Exhibit J (2013)
- Monthly BAR Map



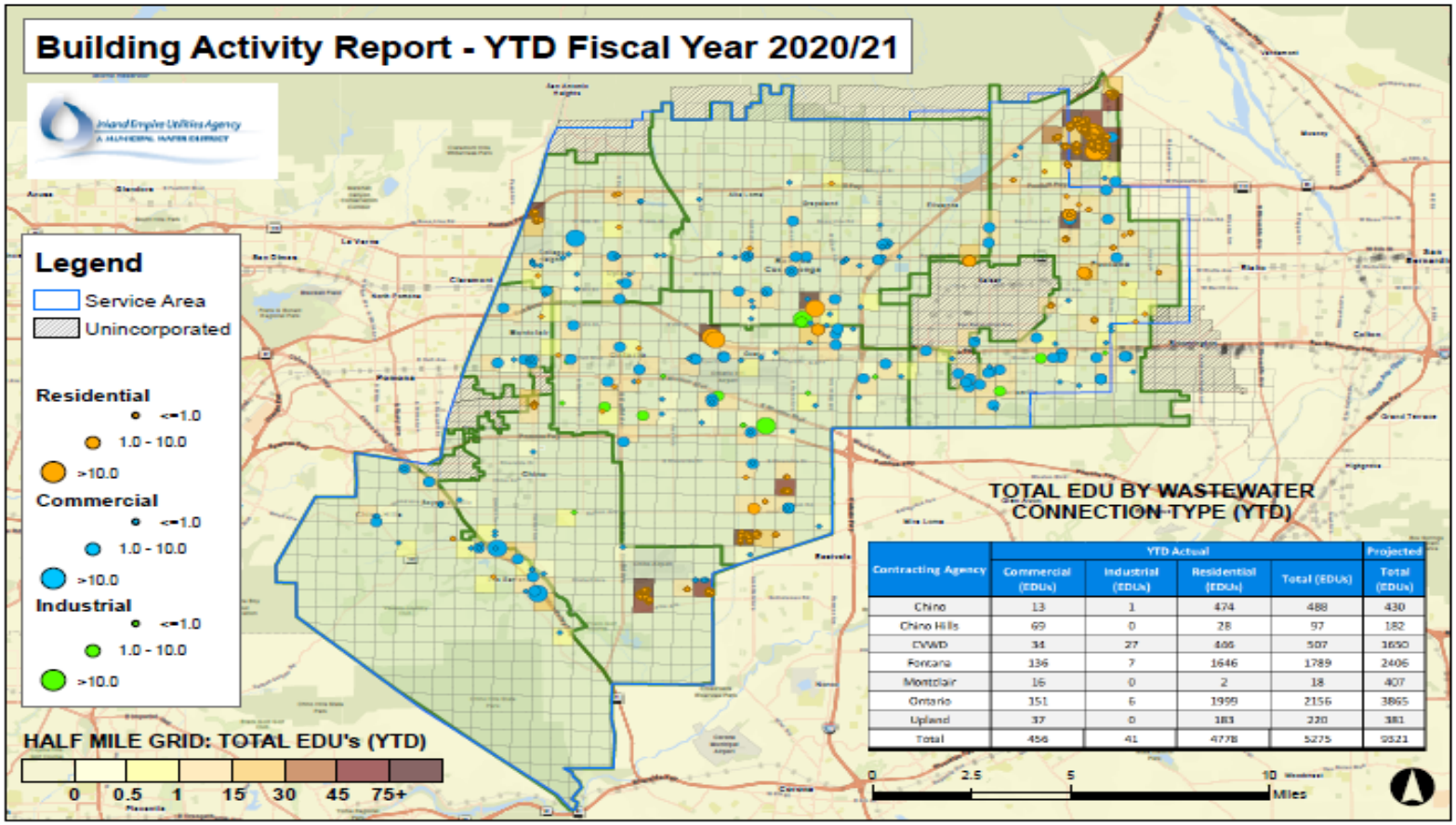


INLAND EMPIRE UTILITIES AGENCY MO(ILY PERMIT ACTIVITY REPORT

Agency: Ontario January Year: 2021

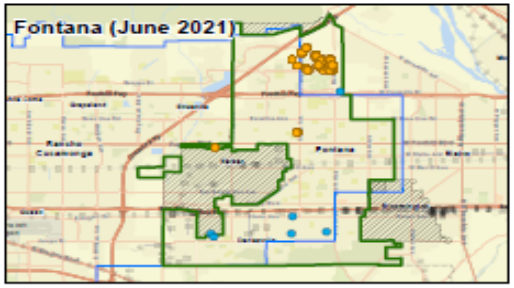
a	b	c	d	e	f	g	h	i	l	m	n	o	p	q	r	s
	Property Reference Information								Development Information							
			Address								Commercial Only		Commercial			
Item No.	Reference No.	APN	Number	Prefix	Street	Suffix	Unit No.	City	New Development	Type of Connection	Category	Type	Gallon / Fixture	Sewage Factor	Fixture Units	Equiv. Dwelling Unit
1	B201901145	21867550	2827	E	BANNER	ST		Ontario	Yes	Residential						
2	B201901145	21867550	2827	E	BANNER	ST		Ontario	Yes	Residential						
3	B201904009	21826140	4810	S	HELLMAN	AV		Ontario	Yes	Industrial						
4	B202001601	1.05E+08	507	N	EUCLID	AV		Ontario	No	Commercial	I	Restaurant (Fast Food)	12	0.0444	32	1.4208
5	B202002894	21829219	5051	S	CARPENTER	AV		Ontario	No	Commercial	I	Other	12	0.0444	152	6.7488
6	B202002895	21829219	5051	S	CARPENTER	AV		Ontario	No	Commercial	I	Other	12	0.0444	172.5	7.6590
7	B202003503	21840243	3480	E	ONTARIO RANCH	RD		Ontario	No	Commercial	IV	Other	43	0.2499	7	1.7493
8	B202003653	21867448	2777	E	BANNER	ST		Ontario	Yes	Residential						
9	B202003654	21867449	2767	E	BANNER	ST		Ontario	Yes	Residential						
10	B202004386	21858518	4551	S	LUNA PRIVADO			Ontario	Yes	Residential						
11	B202004387	21858519	4541	S	LUNA PRIVADO			Ontario	Yes	Residential						
12	B202004388	21858524	4539	S	LUNA PRIVADO			Ontario	Yes	Residential						
13	B202004389	21858525	4529	S	LUNA PRIVADO			Ontario	Yes	Residential						
14	B202004390	21858517	4549	S	LUNA PRIVADO			Ontario	Yes	Residential						
15	B202004391	21858520	4543	S	LUNA PRIVADO			Ontario	Yes	Residential						
16	B202004392	21858523	4537	S	LUNA PRIVADO			Ontario	Yes	Residential						
17	B202004393	21858526	4531	S	LUNA PRIVADO			Ontario	Yes	Residential						
18	B202004394	21858516	4547	S	LUNA PRIVADO			Ontario	Yes	Residential						
19	B202004395	21858521	4545	S	LUNA PRIVADO			Ontario	Yes	Residential						
20	B202004396	21858522	4535	S	LUNA PRIVADO			Ontario	Yes	Residential						

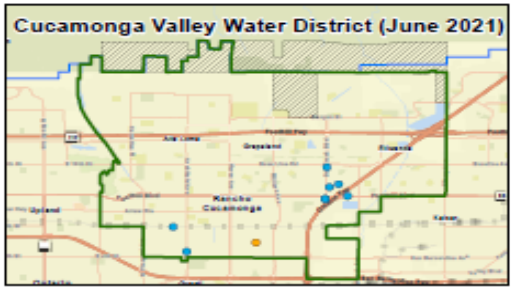
Building Activity Report - YTD Fiscal Year 2020/21

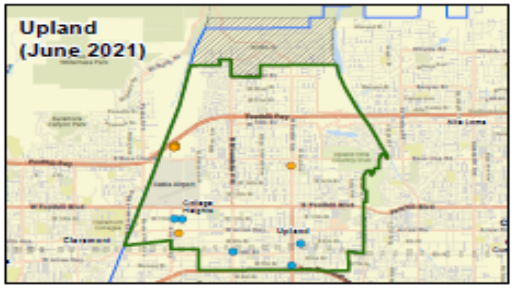


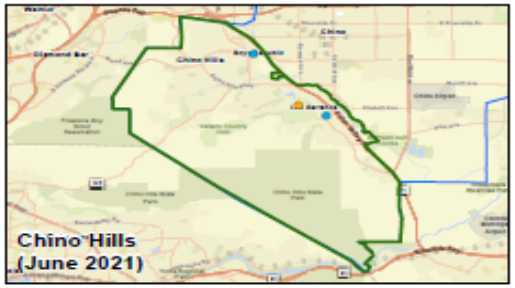
TOTAL EDU BY WASTEWATER CONNECTION TYPE (YTD)

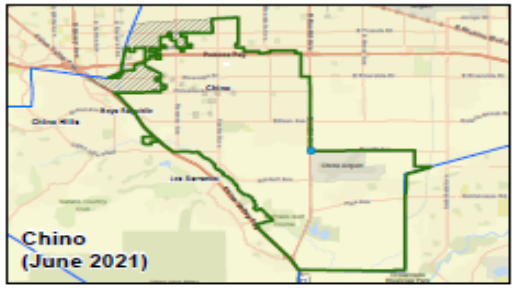
Contracting Agency	YTD Actual				Projected
	Commercial (EDUs)	Industrial (EDUs)	Residential (EDUs)	Total (EDUs)	Total (EDUs)
Chino	13	1	474	488	430
Chino Hills	69	0	28	97	182
CVWD	34	27	446	507	1650
Fontana	136	7	1646	1789	2406
Montclair	16	0	2	18	407
Ontario	151	6	1999	2156	3865
Upland	37	0	183	220	381
Total	456	41	4778	5275	9521

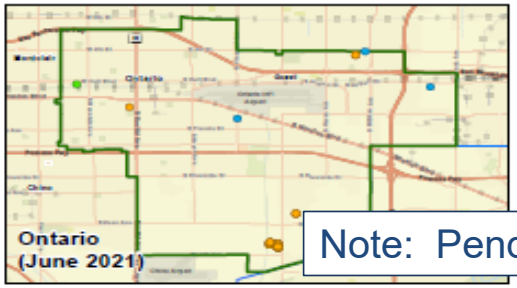












Note: Pending FY20/21 Reconciliation

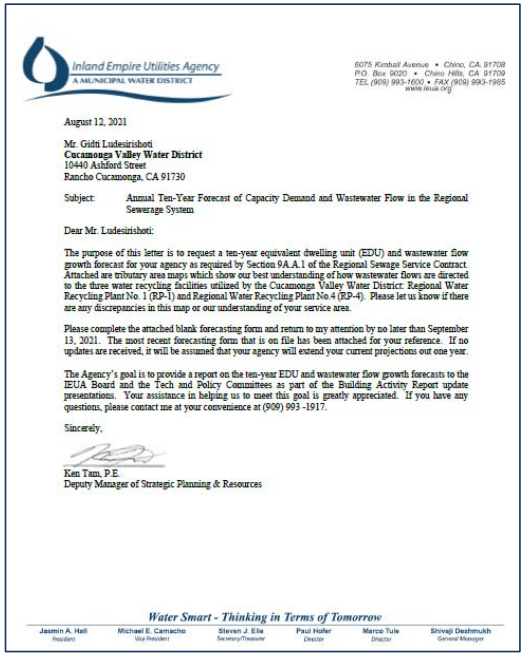
Fiscal Year End Activities - Reconciliation

- Mid-August - Annual BAR Reconciliation
- Review of Building Activity for Fiscal Year
  - —EDU adjustments
  - —Over/under payment review
  - —CCRA balance verification

BUILDING ACTIVITY REPORT CALCULATIONS SUPPORT 19/20										
CHINO										
QUARTERLY	MONTH	EDU'S	RATE	SUBTOTAL	Capital Calls	Adjustments	Date Reconciled	MO. TOTAL	CCRA	REMARKS
									$ 10,465,834.52	Agreed Carry-Over
	JULY	44.0888	$6,624.00	$292,044.21				$292,044.21	$ 10,757,878.73	
1	AUGUST	9.7084	$6,624.00	$64,308.44		$ (769.23)		$63,539.21	$ 10,821,417.94	Note: Chino staff indicated underpayment at previous FY rate. To be reconciled
	SEPTEMBER	52.3543	$6,624.00	$346,794.88		$ 0.09		$346,794.97	$ 11,168,212.92	Rounding
	OCTOBER	5.5567	$6,624.00	$36,807.58	1,199,133.00	$ (442.67)		($1,162,768.09)	$ 10,005,444.83	Note: Chino staff indicated underpayment of $442.67. To be reconciled
2	NOVEMBER	3.9738	$6,624.00	$26,322.45				$26,322.45	$ 10,031,767.28	
	DECEMBER	2.7528	$6,624.00	$18,234.55				$18,234.55	$ 10,050,001.83	
	JANUARY	7.9596	$6,624.00	$52,724.39				$52,724.39	$ 10,102,726.22	
3	FEBRUARY	15.3764	$6,624.00	$101,853.27	1,015,176.00	$ 4,721.59		($908,601.14)	$ 9,194,125.08	Note: Chino to reconcile overpayment of $4,721.59
	MARCH	34.8086	$6,624.00	$230,572.17		$ (0.01)		$230,572.16	$ 9,424,697.24	Note: Chino adjusted one entry and added 1.1466 EDUs
	APRIL	40.1776	$6,624.00	$266,136.42				$266,136.42	$ 9,690,833.66	
4	MAY	85.9384	$6,624.00	$567,003.80		$ 3,541.19		$570,544.99	$ 10,261,378.65	Note: Chino added 49 EDUs to May's report. Chino to also reconcile overpayment of $3,541.19
	JUNE	130.3422	$6,624.00	$863,386.73		$ (0.01)		$863,386.72	$ 11,124,765.37	Note: Chino added 18 EDUs to May's report
TOTAL		******		$2,866,188.90	$2,214,309.00	$ 7,050.95		$658,930.85	$ 11,124,765.37	
										←AGREED CCRA BALANCE

Fiscal Year End Activities - Forecasting

- 10-year Growth Forecast Request (per Regional Contract)
  - Mid-August – request letters with tributary map/spreadsheet
  - Cumulative EDU projections are placed in the Ten-Year Forecast
  - Cumulative EDU projections are adjusted for budget projections/revenue forecasting



Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

6075 Kimball Avenue • Chino, CA 91708
P.O. Box 9020 • Chino Hills, CA 91709
TEL (909) 993-1600 • FAX (909) 993-1985
www.ieua.org

August 12, 2021

Mr. Gidri Ludesirishoti
Cucamonga Valley Water District
10440 Ashford Street
Rancho Cucamonga, CA 91730

Subject: Annual Ten-Year Forecast of Capacity Demand and Wastewater Flow in the Regional Sewerage System

Dear Mr. Ludesirishoti:

The purpose of this letter is to request a ten-year equivalent dwelling unit (EDU) and wastewater flow growth forecast for your agency as required by Section 9A.A.1 of the Regional Sewage Service Contract. Attached are tributary area maps which show our best understanding of how wastewater flows are directed to the three water recycling facilities utilized by the Cucamonga Valley Water District: Regional Water Recycling Plant No. 1 (RP-1) and Regional Water Recycling Plant No.4 (RP-4). Please let us know if there are any discrepancies in this map or our understanding of your service area.

Please complete the attached blank forecasting form and return to my attention by no later than September 13, 2021. The most recent forecasting form that is on file has been attached for your reference. If no updates are received, it will be assumed that your agency will extend your current projections out one year.

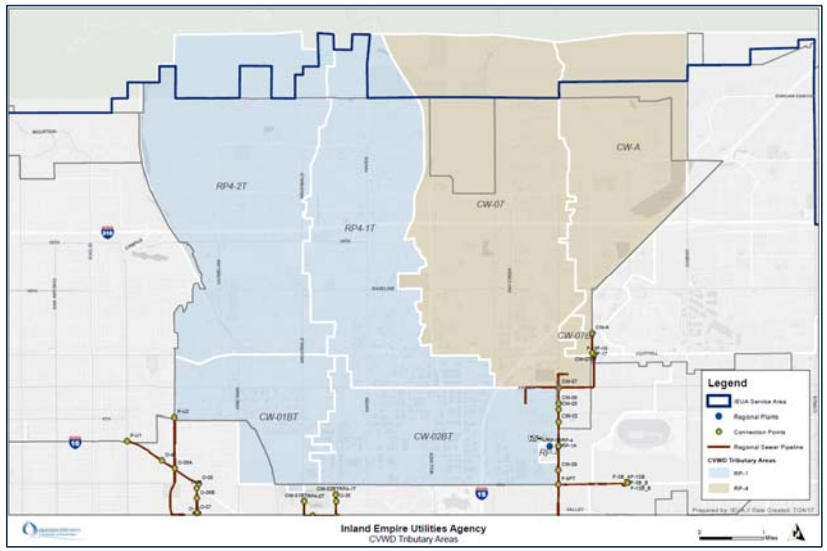
The Agency's goal is to provide a report on the ten-year EDU and wastewater flow growth forecasts to the IEUA Board and the Tech and Policy Committees as part of the Building Activity Report update presentations. Your assistance in helping us to meet this goal is greatly appreciated. If you have any questions, please contact me at your convenience at (909) 993 -1917.

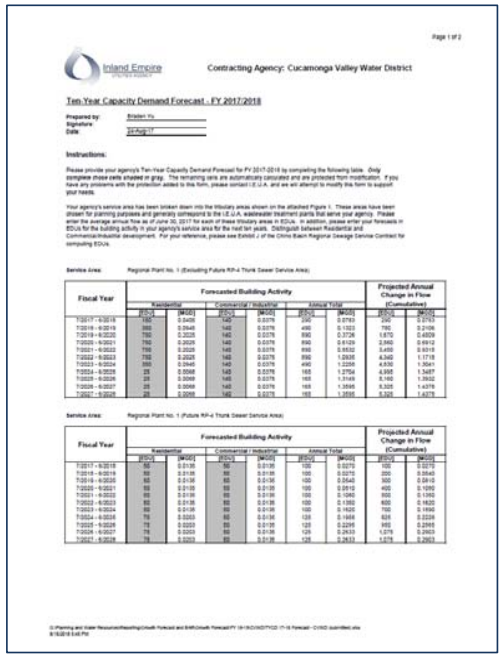
Sincerely,

Ken Tam, P.E.
Deputy Manager of Strategic Planning & Resources

Water Smart - Thinking in Terms of Tomorrow

Jasmin A. Hall, President | Michael E. Camacho, Vice President | Steven J. Elie, Secretary/Treasurer | Paul Hofer, Director | Marco Tule, Director | Shivaji Deshmukh, General Manager





Page 1 of 2

Inland Empire

Contracting Agency: Cucamonga Valley Water District

Ten-Year Capacity Demand Forecast - FY 2017/2018

Prepared by:
Signature
Date

Instructions:

Please provide your agency's Ten-Year Capacity Demand Forecast for FY 2017-2018 by completing the following table. Only complete those cells shaded in gray. The remaining cells are automatically calculated and are protected from modification. If you have any problems with the protection added to this form, please contact I.E.U.A. and we will attempt to modify the form to support your needs.

Your agency's service area has been broken down into the tributary areas shown on the attached Figure 1. These areas have been chosen for planning purposes and generally correspond to the I.E.U.A. wastewater treatment plants that serve your agency. Please enter the average annual flow as of June 30, 2017 for each of these tributary areas in EDUs. In addition, please enter your forecasts in EDUs for the building activity in your agency's service area for the next ten years. Distinguish between Residential and Commercial/Industrial development. For your reference, please see Exhibit J of the Chino Basin Regional Sewage Service Contract for computing EDUs.

Service Area: Regional Plant No. 1 (Excluding Future RP-4 Trunk Sewer Service Area)

Fiscal Year	Forecasted Building Activity						Projected Annual Change in Flow (Cumulative)	
	Residential		Commercial / Industrial		Annual Total			
	[EDU's]	[MGD]	[EDU's]	[MGD]	[EDU's]	[MGD]	[EDU's]	[MGD]
7/2017 - 6/2018	350	0.0400	140	0.0076	490	0.0761	490	0.0761
7/2018 - 6/2019	350	0.0946	140	0.0076	490	0.1323	980	0.2084
7/2019 - 6/2020	350	0.2025	140	0.0076	490	0.2736	1,470	0.4829
7/2020 - 6/2021	350	0.2025	140	0.0076	490	0.4129	2,940	0.8912
7/2021 - 6/2022	350	0.2025	140	0.0076	490	0.5522	3,430	0.9315
7/2022 - 6/2023	350	0.2025	140	0.0076	490	1.2935	4,340	1.1718
7/2023 - 6/2024	350	0.2946	140	0.0076	490	1.2296	4,830	1.3541
7/2024 - 6/2025	25	0.0066	140	0.0076	165	1.2754	4,995	1.3687
7/2025 - 6/2026	25	0.0066	140	0.0076	165	1.3149	5,160	1.3832
7/2026 - 6/2027	25	0.0066	140	0.0076	165	1.3545	5,325	1.4076
7/2027 - 6/2028	25	0.0066	140	0.0076	165	1.3595	5,325	1.4076

Service Area: Regional Plant No. 1 (Future RP-4 Trunk Sewer Service Area)

Fiscal Year	Forecasted Building Activity						Projected Annual Change in Flow (Cumulative)	
	Residential		Commercial / Industrial		Annual Total			
	[EDU's]	[MGD]	[EDU's]	[MGD]	[EDU's]	[MGD]	[EDU's]	[MGD]
7/2017 - 6/2018	50	0.0136	50	0.0136	100	0.0272	100	0.0272
7/2018 - 6/2019	50	0.0136	50	0.0136	100	0.0272	200	0.0545
7/2019 - 6/2020	50	0.0136	50	0.0136	100	0.0545	300	0.0818
7/2020 - 6/2021	50	0.0136	50	0.0136	100	0.0818	400	0.1090
7/2021 - 6/2022	50	0.0136	50	0.0136	100	0.1090	500	0.1363
7/2022 - 6/2023	50	0.0136	50	0.0136	100	0.1363	600	0.1635
7/2023 - 6/2024	50	0.0136	50	0.0136	100	0.1635	700	0.1908
7/2024 - 6/2025	75	0.0203	50	0.0136	125	0.1839	825	0.2228
7/2025 - 6/2026	75	0.0203	50	0.0136	125	0.2295	950	0.2595
7/2026 - 6/2027	75	0.0203	50	0.0136	125	0.2633	1,075	0.2963
7/2027 - 6/2028	75	0.0203	50	0.0136	125	0.2633	1,075	0.2963

Current Fiscal Year End Activities

- BAR Reconciliation
  - Request sent to Contracting Agencies – 8/12/21
  - Reconciliation confirmation due – 9/13/21
- 10-Year Growth Forecast
  - Request sent to Contracting Agencies – 8/12/21
  - Projections and forecasting due – 9/13/21
  - Consideration of 2021 wastewater demand forecast model

RECEIVE AND FILE

3A

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Regional Sewerage Program Policy Committee Meeting

AGENDA
Thursday, September 2, 2021
3:30 p.m.
Teleconference Call

PURSUANT TO THE PROVISIONS OF EXECUTIVE ORDER N-25-20 ISSUED BY GOVERNOR GAVIN NEWSOM ON MARCH 12, 2020, AND EXECUTIVE ORDER N-29-20 ISSUED BY GOVERNOR GAVIN NEWSOM ON MARCH 17, 2020 ANY COMMITTEE MEMBER MAY CALL INTO THE COMMITTEE MEETING WITHOUT OTHERWISE COMPLYING WITH ALL BROWN ACT'S TELECONFERENCE REQUIREMENTS.

In effort to prevent the spread of COVID-19, the Regional Sewerage Program Policy Committee Meeting will be held remotely by teleconference.

Teams Conference Link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_NWU1NzA2NDktM2VjMC00NDU1LTkxMmUtMjYyMjA2YWM3YWU4%40thread.v2/0?context=%7b%22Tid%22%3a%224c0c1e57-30f3-4048-9bd2-cd58917dcf07%22%2c%22Oid%22%3a%22329ec40e-eb94-4218-9621-6bfa0baa9697%22%7d

Teleconference: 1-415-856-9169/Conference ID: 552 973 583#

This meeting is being conducted virtually by video and audio conferencing. There will be no public location available to attend the meeting; however, the public may participate and provide public comment during the meeting by calling into the number provided above. Alternatively, you may email your public comments to the Recording Secretary Sally H. Lee at shlee@ieua.org no later than 24 hours prior to the scheduled meeting time. Your comments will then be read into the record during the meeting.

Call to Order/Flag Salute

Roll Call

Public Comment

Members of the public may address the Committee on any item that is within the jurisdiction of the Committee; 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. Comments will be limited to three minutes per speaker.

DRAFT

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

2. **Action Item**
   A. Approval of August 5, 2021 Policy Committee Meeting Minutes

3. **Informational Items**
   A. CBP|WSIP Update
   B. Regional Contract Negotiation Update *(Oral)*

4. **Receive and File**
   A. Building Activity Report
   B. Recycled Water Distribution – Operations Summary
   C. Regional Contract Negotiations Meeting Notes
   D. Wastewater and Recycled Water Demand Forecasts
   E. CBP|WSIP Workgroup Meeting Presentation

5. **Policy Committee Items Distributed**
   A. Response to August 5, 2021 Policy Committee Questions Related to Wastewater Connection Fees

6. **Other Business**
   A. IEUA General Manager's Update
   B. Committee Member Requested Agenda Items for Next Meeting
   C. Committee Member Comments
   D. Next Meeting – October 7, 2021

Adjournment

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Recording Secretary (909) 993-1926, 48 hours prior to the scheduled meeting so that the Agency can make reasonable arrangements.

DRAFT

DECLARATION OF POSTING

I, Sally H. Lee, Executive Assistant of the Inland Empire Utilities Agency, A Municipal Water District, hereby certify that a copy of this agenda has been posted to the IEUA Website at www.ieua.org and posted at the Agency's main office at 6075 Kimball Avenue, Building A, Chino, CA, by Thursday, August 26, 2021.

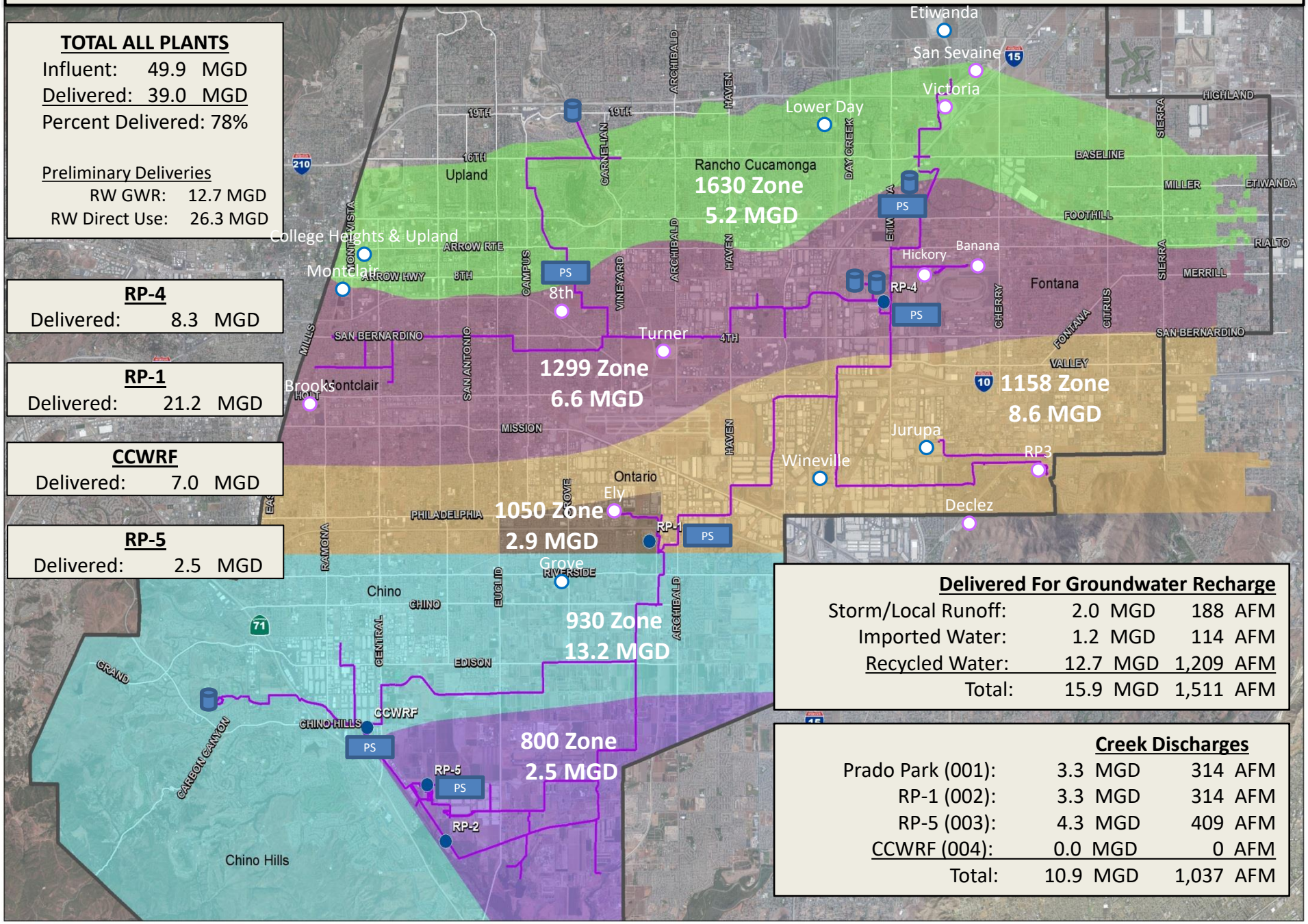
_____
Sally H. Lee

DRAFT

RECEIVE AND
FILE

3B

IEUA RECYCLED WATER DISTRIBUTION – JULY 2021



TOTAL ALL PLANTS

Influent: 49.9 MGD
Delivered: 39.0 MGD
Percent Delivered: 78%

Preliminary Deliveries
RW GWR: 12.7 MGD
RW Direct Use: 26.3 MGD

RP-4
Delivered: 8.3 MGD

RP-1
Delivered: 21.2 MGD

CCWRF
Delivered: 7.0 MGD

RP-5
Delivered: 2.5 MGD

Delivered For Groundwater Recharge

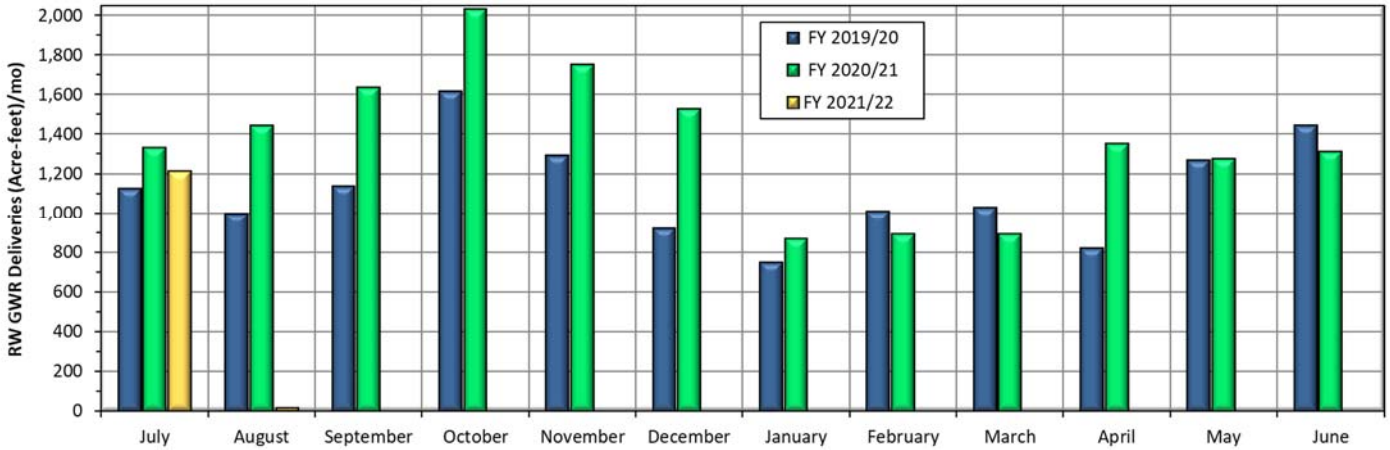
Storm/Local Runoff:	2.0 MGD	188 AFM
Imported Water:	1.2 MGD	114 AFM
Recycled Water:	12.7 MGD	1,209 AFM
Total:	15.9 MGD	1,511 AFM

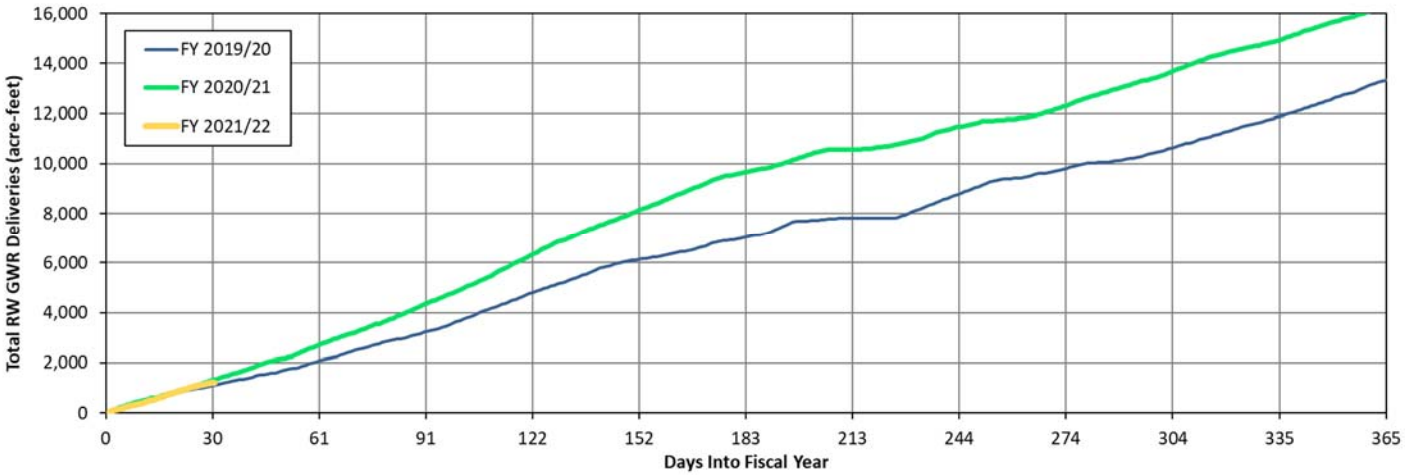
Creek Discharges

Prado Park (001):	3.3 MGD	314 AFM
RP-1 (002):	3.3 MGD	314 AFM
RP-5 (003):	4.3 MGD	409 AFM
CCWRF (004):	0.0 MGD	0 AFM
Total:	10.9 MGD	1,037 AFM

Recycled Water Recharge Actuals - July 2021 (Acre-Feet)

Basin	7/1-7/3	7/4-7/10	7/11-7/17	7/18-7/24	7/25-7/31	Month Actual	FY To Date Actual	Deliveries are draft until reported as final and do not included evaporative losses.
Ely	23.7	41.7	45.9	50.2	33.3	194.8	195	
Banana	9.7	18.6	30.4	21.0	9.5	89.2	89	
Hickory	0.0	0.0	0.0	0.0	0.0	0.0	0	
Turner 1 & 2	0.0	0.0	0.0	0.0	0.0	0.0	0	
Turner 3 & 4	0.0	0.0	0.0	0.0	0.0	0.0		
8th Street	0.0	0.0	0.0	0.0	0.0	0.0	0	
Brooks	17.5	39.5	27.1	15.5	26.7	126.3	126	
RP3	46.9	108.9	102.9	99.8	36.7	395.2	395	
Declez	9.2	26.4	19.9	11.6	7.0	74.1	74	
Victoria	0.0	0.0	0.0	0.0	0.0	0.0	0	
San Sevaine	16.9	34.9	78.9	106.8	91.9	329.4	329	
Total	123.9	270.0	305.1	304.9	205.1	1,209.0	1,209	1,330 AF previous FY to day actual





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REGIONAL SEWERAGE PROGRAM
PRETREATMENT SUBCOMMITTEE

August 5, 2021
1:30 PM
Via in-person & Microsoft Teams

Minutes

Members Present

Tere Worsham……CVWD
Ruben Valdez……City of Chino
Andy Zummo……..…...City of Chino Hills
Abigail Gomez……...City of Fontana
Ken Tam…….....IEUA
Mike Hudson……..……City of Montclair
Michael Birmelin……City of Ontario
Nicole DeMoet...…..…….……City of Upland

Others Present

Branden Hodges...…….....IEUA
Michael Barber…….…. IEUA
Kimberly Lopez...……City of Ontario
Michael Milhiser……..City of Ontario
Mason Paps…….……City of Ontario

1. Introductions

- Introductions of those present were given. Craig Proctor has retired from IEUA. Ken Tam is new Deputy Manager of Strategic Planning & Resources.

2. Informational Items & Updates

a. Tech Meeting Report

- Most items have been routine in nature. IEUA will distribute minutes from most recent Tech meeting.

b. Treatment Plants

RP-1/RP-4:

- RP-1 met all the NPDES requirements during the months of April through June 2021. RP-1 has been experiencing toxicity issues and has increased toxicity

monitoring. IEUA may reach out to the Contracting Agencies for information regarding toxicant contributors in their service area.

RP-5:

- RP-5 met all the NPDES requirements during the months of April through June 2021. RP-5 has been experiencing toxicity issues, and has increased toxicity monitoring. IEUA may reach out to Member Agencies for information regarding toxicant contributors in their service area.

CCWRF:

- CCWRF met all the NPDES requirements during the months of April through June 2021.

Agency-wide:

- The Agency-Wide 12-month running average TDS for the months of April through June 2021 were 488, 488, and 489 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 April through June 2021 were all 212, 210, And 210 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 April through June 2021.

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 April through June 2021.

- No agricultural runoff events were reported to IEUA by member agencies during the months of April through June 2021.

d. <u>Pretreatment Programs</u>

- Aquamar, Inc. (Aquamar) was issued a Notice of Violation/Order for Corrective Action and Order to Show Cause (NOV-OCA-SC) in March for discharging low pH wastewater in July 2020, failure to report the violation and failure to re-sample and report laboratory analysis results within thirty 30 days of discovering the violation. The NOV/OCA/SC indicates IEUA determined Aquamar is in SNC for review period July-December 2020, for failure to report the violation and failure to conduct repeat sampling for pH and submitting the results within thirty (30) of discovering the

violation. Aquamar attended a compliance meeting and submitted a written response in March stating it has instructed its contract laboratory to send analysis results for self-monitoring to multiple people within its organization to better identify violations and avoid reporting violations. Permittee states low pH may have been cause by cleaning agent used for cleaning its pasteurizer units. Permittee states to prevent further violations it will change cleaning agent used for sanitizing its pasteurizer to an agent that has neutral pH. Subsequent pH monitoring indicates compliance.

- Scott Brothers Dairy (SBD) was issued a Notice of Non-Compliance (NNC) on 2-9-21 for exceeding the TDS limit (840 mg/L) on 1-22-21. As a result, TDS monitoring was temporarily increased. All 4 subsequent samples were in compliance with their Industrial User Discharge Permit. On 2-18-21 SBD responded to NNC indicating they found no source for increased TDS in their discharge. SBD did note that they have been in low production overall, while increasing the production of non-dairy products. Subsequent laboratory analysis for TDS in February and March indicates compliance.

- Wing Lee Farms, Inc. (WLF) was issued a NNC on 1-15-21 for exceeding the permitted maximum daily discharge flow limit on 2 days in December based on City calculations. On 1-24-21 WLF response to NNC explained the increase in discharge was due to receiving birds to process with more than usual dirt, requiring more rinsing/cleaning. WLF indicated that in the future when further rinsing/cleaning of birds is required, other sources of industrial wastewater will be reduced to stay within the permitted limit. WLF was issued a NNC on 4-8-21 for exceeding the maximum GPD permit limit on 1 day in March based on City calculations. On 4-15-21 WLF response to NNC explained there was a power outage at the facility which reduced available production time and the number of chickens processed and overage on 3-3-21, may have been caused by higher than normal production needed to fill orders. WLF states their temporary flow meter indicated permitted daily flow limit was not exceeded. WLF states plans for permanent effluent flow meter will be submitted to the City and IEUA for review and approval by April 31, 2021.

- American Beef Packers (ABP) was issued a NNC on 7-13-21 for failing to instrumentally calibrate their effluent flow meter in January 2021. Industrial User Discharge Permit requires calibration every 6 months. Response is pending.

- Net Shapes, Inc. (NSI) was issued a Notice of Violation and Order for Corrective Action in April for exceeding the federal daily and monthly average and local daily limit for copper in March. The Notice requires NSI to submit a written response and conduct special copper monitoring for three (3) consecutive weeks. NSI responded in April stating it has not found a root cause of the violations. NSI states it does not cast any copper material at its facility and has not been able to identify a source. Subsequent laboratory analysis results for copper indicate compliance. No further action required at this time.

- Sun Badge Company (SBC) was issued a Notice of Violation and Order for Corrective Action (NOV/OCA) in March for exceeding the permitted local TDS by Summation (TDS) limit in February. The Notice requires SBC to submit a written response and conduct special TDS monitoring for three (3) consecutive weeks. SBC responded in April stating violation was caused because pH adjustment chemical injection system was overdosing Sodium Hydroxide due to dosing setting being changed. Permittee states it has made adjustments to its Sodium dosage system to correct the overdosing issue and it has secured the adjustment settings so it cannot be changed without approval from supervisor. Subsequent laboratory analysis results for TDS indicate compliance. No further action is required at this time.

- Forbes Industries (FI) was issued a Notice of Violation/Order for Corrective Action and Show Cause in June for exceeding the local daily limit for copper in January, failure to report a violation within twenty-four (24) hours of becoming aware and failure to re-sample and report result(s) within 30 days of becoming aware of a violation. The Notice requires FI to submit a written response, re-sample for copper and submit result on or before July 8, 2021. Response submitted by FI states violation occurred because it had procurement issues with its pumping company that cleans, pumps and hauls away wastewater from the water jet machine tank. FI states it has procured United Pumping to clean the water jet tank every 4 months moving forward. Waste manifests submitted by FI indicate water jet tank was pumped in January and July. Subsequent laboratory analysis results for copper indicate compliance. FI will be reported as SNC for review period January-June 2021, because it failed to re-sample and report result(s) within thirty (30) days of becoming aware of copper violation that occurred on January 7, 2021.

e. <u>Pandemic Work Status</u>

- As of August 2nd, IEUA staff is currently able to work remotely and in the office, and have been informed by IEUA Management that a full return to the office will occur on September 27, 2021.

3. <u>Discussion Items</u>

a. <u>EPA Pretreatment Compliance Inspection Status</u>

- IEUA underwent a Pretreatment Compliance Inspection in 2020. The EPA auditors completed the file review portion of this PCI, and conducted a virtual inspection of an industrial facility, but the in-person inspection portion of the PCI has not yet been completed. IEUA expects EPA auditors to return for either this portion of the 2020 PCI or for a completely new PCI/PCA in November of 2021.

b. <u>Annual Reporting</u>

- IEUA discussed the Pretreatment Program Annual Report for fiscal year 20-21. IEUA requested that each Member Agency submit the SNC information required

for the annual report, and also requested that Chino and Ontario submit all of the other information required for the annual report within the next couple of weeks.

c. Agency Audits

- IEUA will soon perform the annual audits of the Member Agencies' pretreatment Programs. IEUA plans to perform the audits of Ontario's and Chino's programs in November 2021, and February 2022, respectively.

d. Dental Amalgam Rule - One Time Certification Update

- IEUA updated the committee on the status of the inventory list of active dental offices. A third round of certification mailings was completed in October 2020. To date, IEUA and the member agencies have received 386 completed forms representing a 91% response rate. The committee discussed following up with the dental offices that have been non-responsive. IEUA requested the member agencies continue to provide information on any new dental facilities that locate within their service area and provide copies of completed certifications to IEUA.

e. Illegal Discharger Investigation Status Update

- IEUA updated the committee on the suspected illegal discharger Masters Recycling, located in the City of Rancho Cucamonga. IEUA explained the circumstances supporting the current situation, and updated the Member Agencies on the expected timeline moving forward.

f. Return to Sewer Expanded Study/CASA Study

- IEUA provided an update on the CASA non-residential sampling program study. IEUA informed Member Agencies that the next round of monitoring has been moved to March of 2022, due to the continually changing COVID-19 situation. IEUA also informed the group that the Expanded Return to Sewer Study kicked off at the end of July and which will build on the pilot study by expanding into the Cities of Chino and Ontario and CVWD.

4. Open Discussion and Future Topics

- IEUA informed the group that the Pretreatment Subcommittee meetings will be held on a quarterly basis moving forward, at least for the next year or so.

- Ontario requested City of Ontario inspectors shadow IEUA inspectors on a few upcoming inspections, in order to gain more pretreatment inspection experience. IEUA agreed and will coordinate upcoming inspections with City of Ontario inspectors.

The meeting adjourned at 2:20 p.m.

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Chino Basin Program| WSIP Workgroup Meeting

August 2021

Agenda

- Chino Basin Program (CBP) | Water Storage Investment Program (WSIP) Overview
- Alternatives Summary
- CBP | WSIP Benefits
- Rates
- Schedule
- Stakeholder Discussion

Inland Empire Utilities Agency
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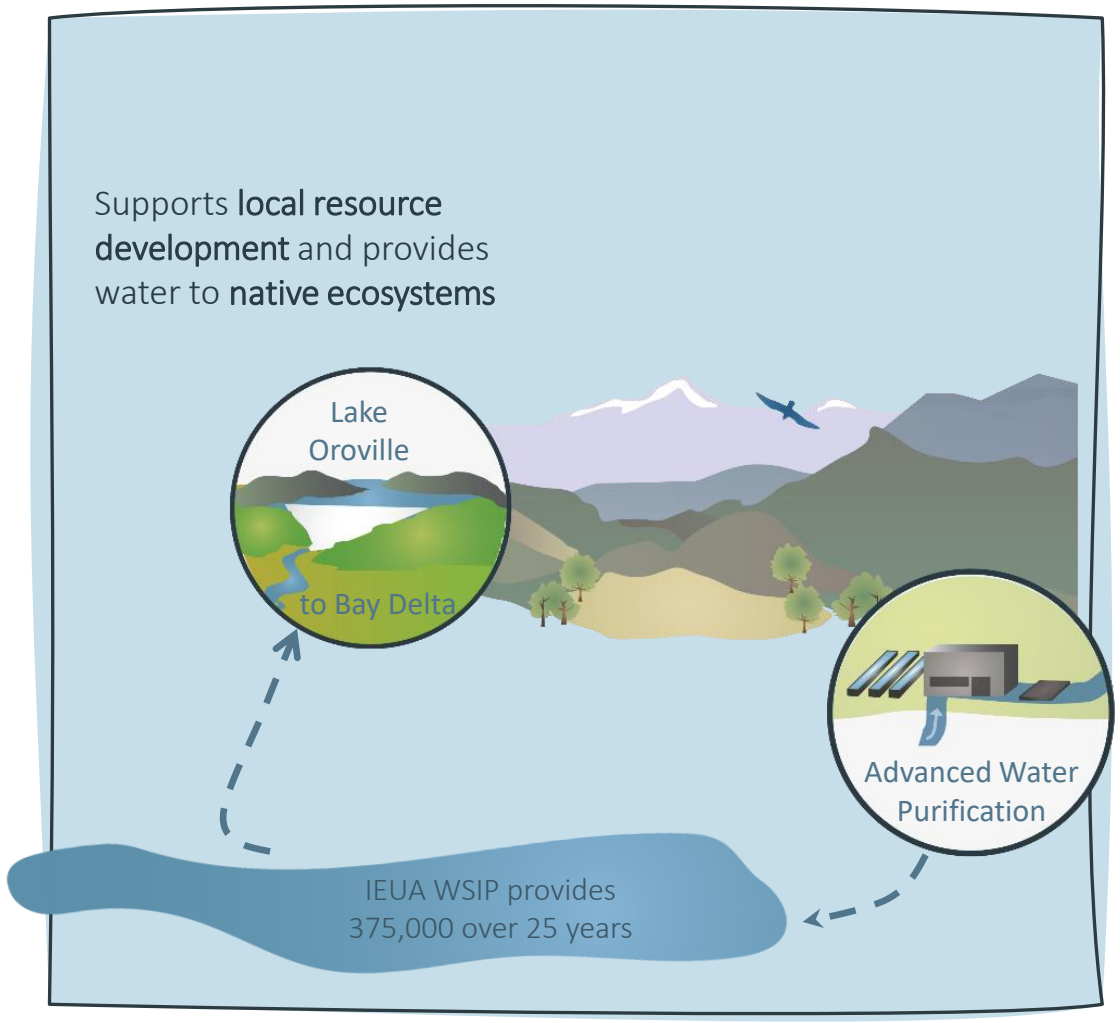
CBP | WSIP Overview

CBP | WSIP Overview - *North of Delta*



Program provides:

- 375,000 AF over 25 years
- Up to 50,000 AF per call year

IEUA's State Water Project Contract Partner:
Metropolitan Water District of Southern California

During a call year:

- DWR implements pulse flows from Lake Oroville in coordination with Metropolitan
- Fishery benefits in the Feather River
- IEUA produces water from Chino Basin

CBP | WSIP Overview - *South of Delta*

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1 Advanced Water Treatment

15,000 AF per year advanced treated recycled water

2 Groundwater Storage

375,000 AF 25 years through injection facilities

3 Wellhead Improvements

Constructs new wells and/or treatment

4 Pipeline Interconnection

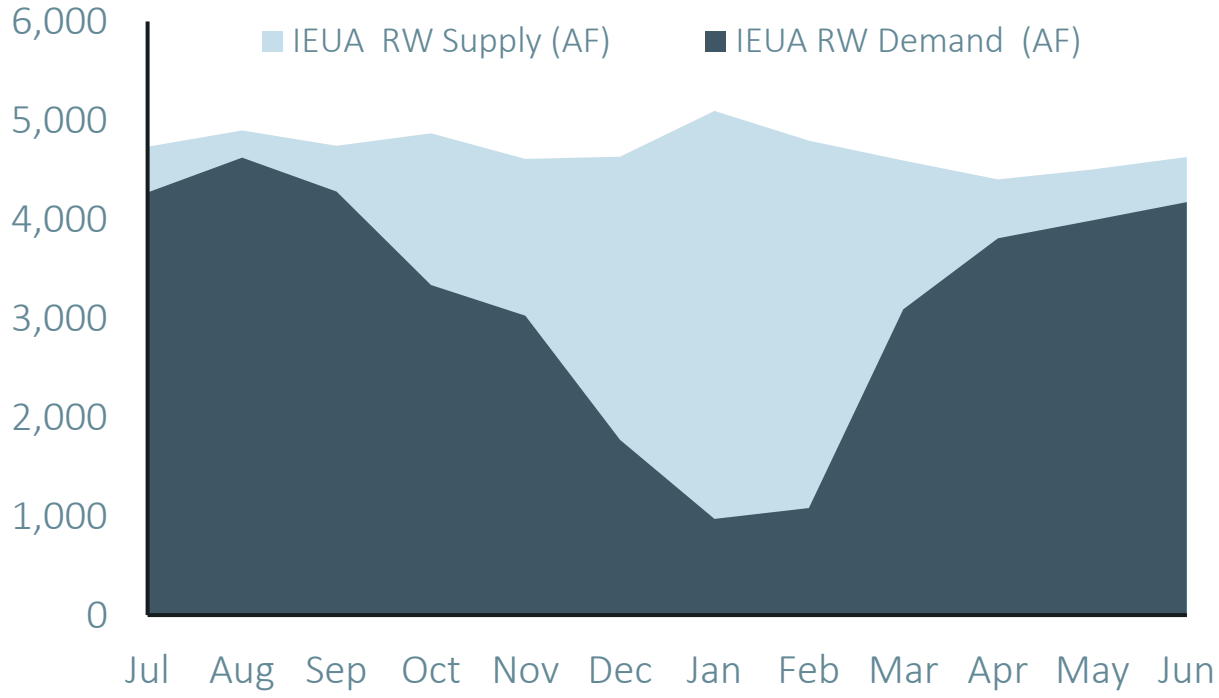
Interconnection to MWD

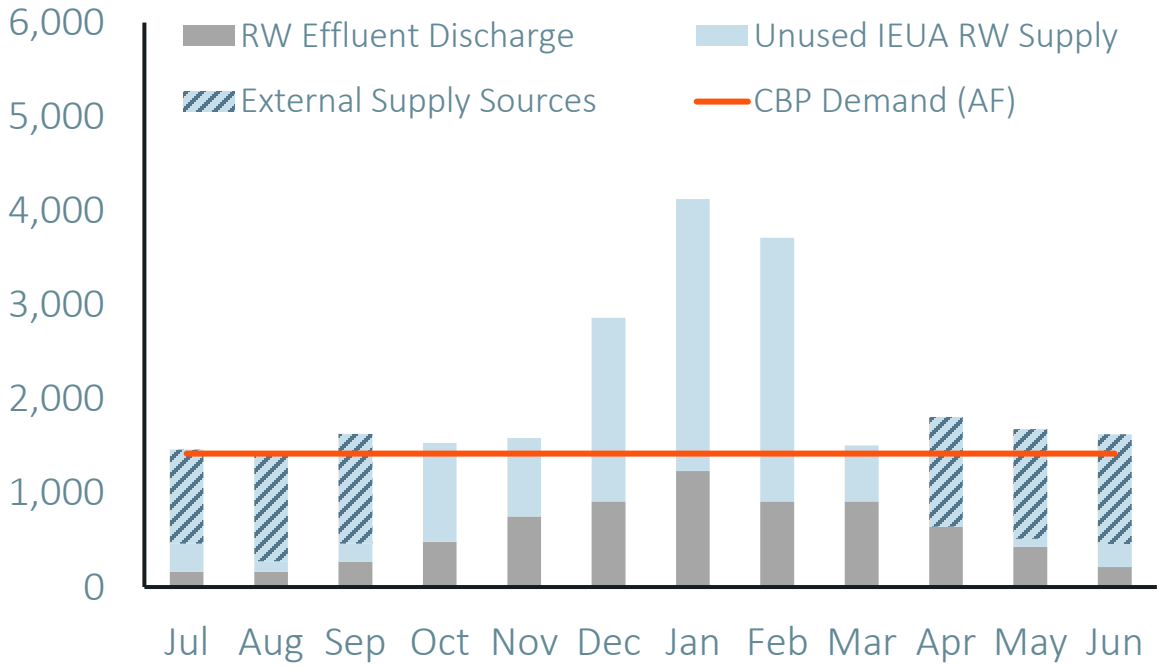
$650 million (2019$) capital investment | **$212.1 million** WSIP Conditional Funding

CBP | WSIP Overview - *2021 Configuration*

- Advanced Water Purification Facility (AWPF)
  - Construction of a 15,000 AF/year AWPF by 2028
  - Proactively mitigates salinity permit compliance concerns
- Recycled Water
  - Uses 11,000 AF/year of unused recycled water that is currently discharged as effluent to the Santa Ana River (SAR)
  - Secures additional 6,000 AF/year of local supplies from partner agencies within the watershed
  - Project does not impact SAR baseflow obligation
- Groundwater Injection
  - 16 injection wells in Management Zone 2
  - Storage of 15,000 AF/year advanced treated recycled water
- Extraction Wells
  - 17 new production wells in Management Zone -2 [max 50,000 AF/year]
  - New pipeline distribution network to deliver treated drinking water
- Interconnection to Metropolitan pump-in @ Rialto [max 10,000 AF/call year]

CBP | WSIP Overview - *Source Water*





CBP uses 11,000 AFY of unused IEUA recycled water and secures 6,000 AFY of external supplies from partner agencies in the Upper Santa Ana River watershed

CBP | WSIP Overview - Program Costs

Total program cost is $650M (2019$)

- Wastewater permit compliance (Baseline): $160 M
- Water supply development: $490 M
  - WSIP Funding: $212 M
- Early funding: $8.9 M
  - Covers all planning related expenses
  - Costs to date: $5 M

Work to date is for permit compliance and ensures water is available for future growth

Infrastructure	Capital Cost [2019$]
AWPF Baseline	$160 M
Water Supply	$490 M
AWPF added capacity + Injection Wells + Pipeline	$146 M
External Supply	$80 M
Extraction Wells	$95 M
Potable Water Pipeline + MWD Interconnection	$169 M
Total Project Cost	**$650 M**

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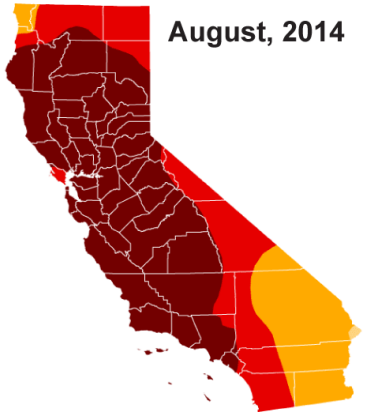
CBP | WSIP Benefits

CBP | WSIP Benefits

The CBP | WSIP provides multiple benefits:

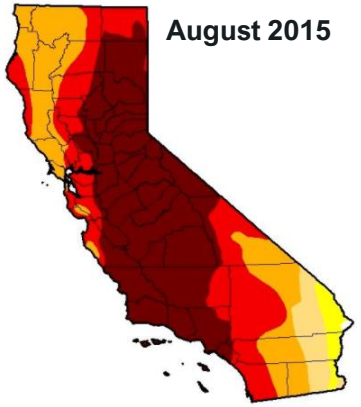
1. Meets water quality requirements
2. Allows the continued use of current IEUA recycled water
3. Reduces unused recycled water supplies
4. Enhances local water supply portfolio
5. Provides insurance supplies
6. Addresses groundwater level concerns
7. Provides additional funding and regional partnership opportunities

CBP | WSIP Benefits - *Water Quality*



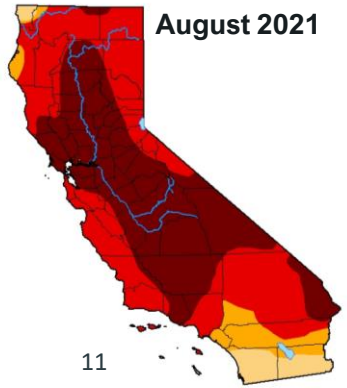
Wastewater Compliance

- Proactively prepares the region for salinity compliance with Basin Plan
  - AWPF online by 2028 reduces risk of noncompliance
  - Allows for the continued use of 35,000 AFY recycled water
  - Permit compliance based on current 12-month average
  - Drought conditions increase the need for treatment solutions to meet permit compliance



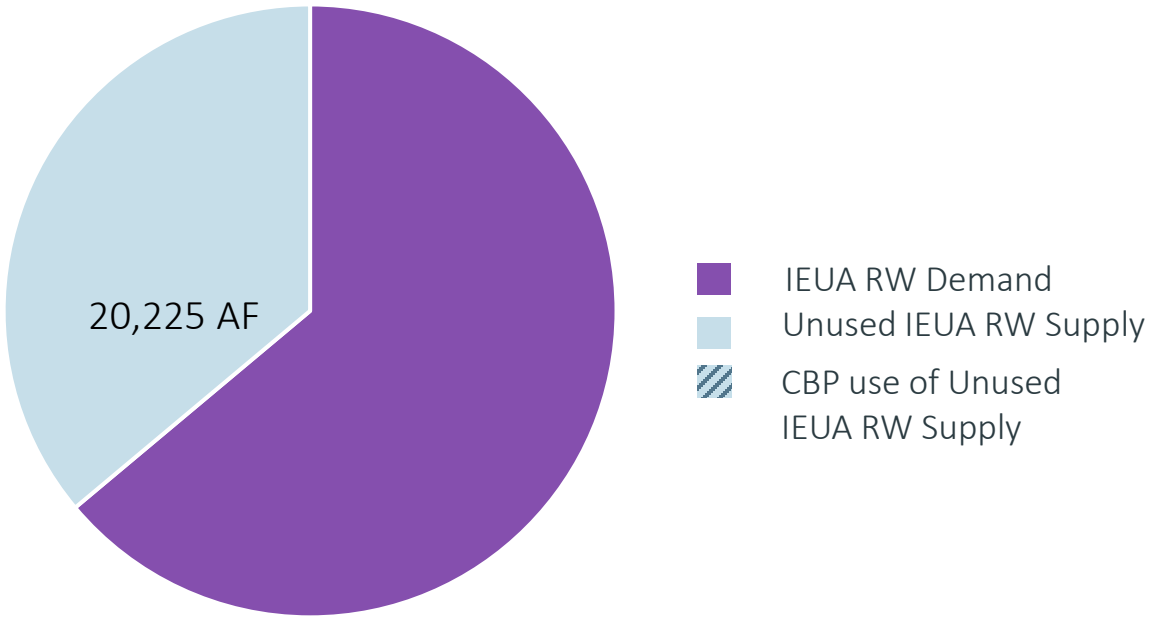
Water Supply and Reliability

- AWPF treatment provides additional water supply flexibility
  - Provides salt offset for high salinity supply sources such as Colorado River
  - Foundation for future direct potable reuse

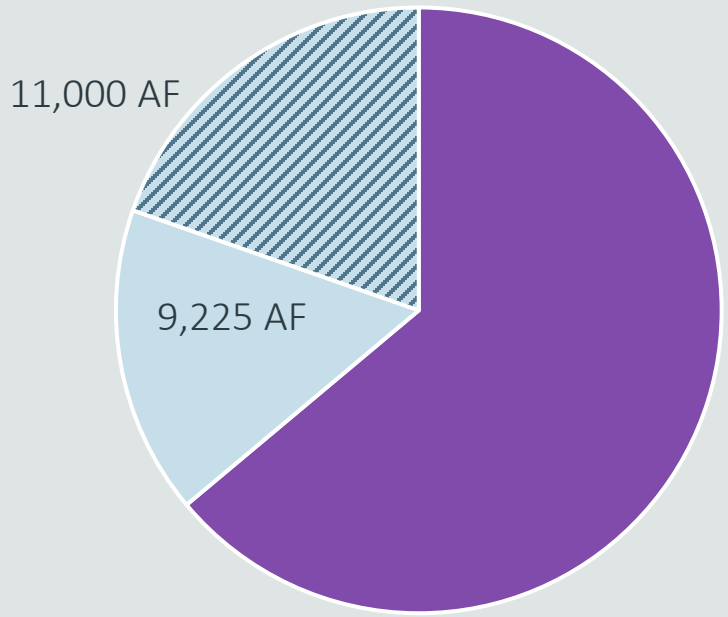


CBP | WSIP Benefits - *Maximize IEUA RW*

IEUA RW Portfolio - *Current*



IEUA RW Portfolio - *with CBP*

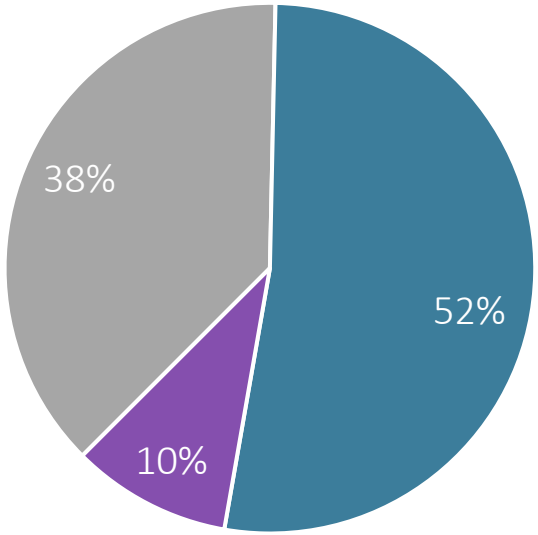


CBP monetizes $5.7M per year of unused IEUA RW Supply* or $140M over 25 years

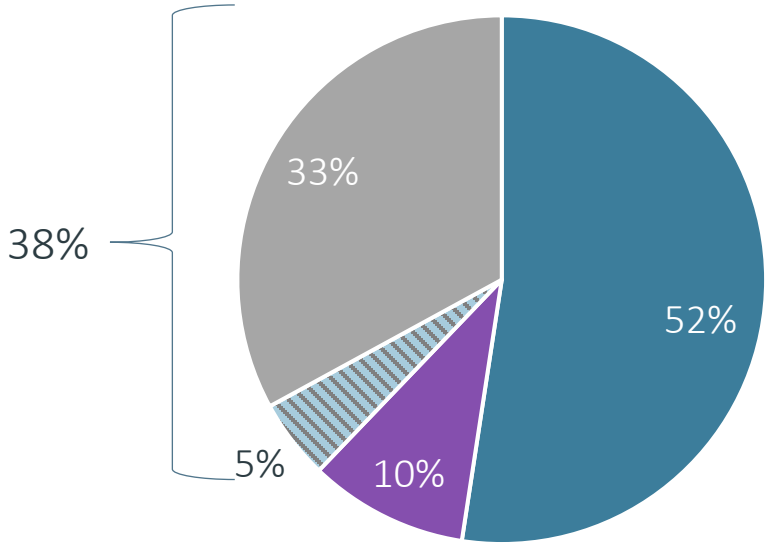
**value based on FY 2020-21 IEUA RW direct use rate of $520/AF*

CBP | WSIP Benefits - *Regional Water Supply Portfolio*

2021



With CBP | WSIP



Water supply portfolio based on Local Agencies' 2020 UWMP Projections for 2025

CBP

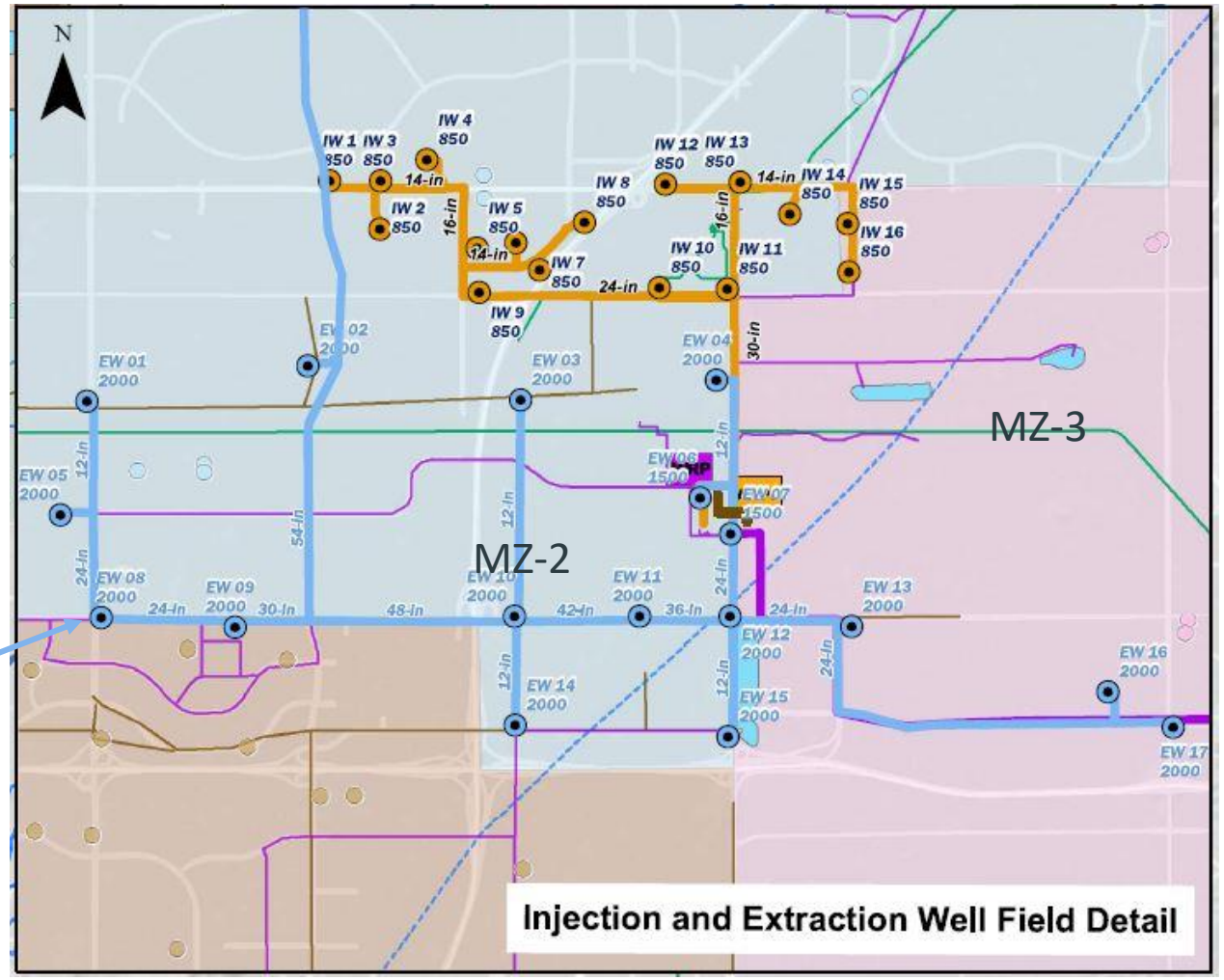
Creates new local water supplies, equivalent to Metropolitan supplies
Benefits participating agencies by diversifying their water supply portfolios
Provides resilience and reduces long term water supply costs

CBP | WSIP Benefits - *Insurance Supplies*

Average MWD Supply to IEUA:	60,000 AFY
MWD Supply w/ Rialto Pipeline shutdown:	Loss of MWD supplies, quantity based on length of interruptions
CBP | WSIP Benefit:	Provides up to 40,000 AFY of extraction wells and treatment capacity

CBP | WSIP Benefits – *Improve Groundwater Level*

- New extraction wells proposed in Chino Basin Management Zone-2 to offset pumping in Management Zone-3 and address groundwater level concerns



New extraction wells in MZ-2

CBP | WSIP Benefits | *Funding Opportunities*

Program	Total Cost	Funding Opportunities
Chino Basin Program 15,000 AFY	$650 M	$212 M (WSIP Prop 1) Federal grants SRF | WIFIA | Infrastructure Funding? MWD Partnership?
City of San Diego Pure Water Phase 1 (2036) 33,000 AFY	$1.4 B	$115 M – MWD LRP $614 M – Federal Loan (WIFIA) + $68 M State Funding Unsuccessful – WSIP Prop 1
Proposed LACSD/MWD	$3.4 B	MWD | LACSD, State/federal loans and grants
Sac Regional Harvest Water 50,000 AFY Tertiary Treatment	$375 M	$280.5 M (WSIP Prop 1)
OCWD GWRS (2008, 78,000 AFY)	$481 M 2018$	$87 M in grants; MWD LRP Funding

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Rates

Rates | *What have we done as a Region?*

- Chino Basin Desalters
  - JPA by Participating Agencies pay for capital + O&M
  - ALL Chino Basin Parties share annual Desalter Replenishment Obligations
- Regional Recycled Water Program
  - Postage stamp rate for O&M
  - ALL IEUA agencies share debt service
- Support growth with wastewater treatment plant expansions
  - Proportionally pay for O&M
  - ALL IEUA agencies share capital costs

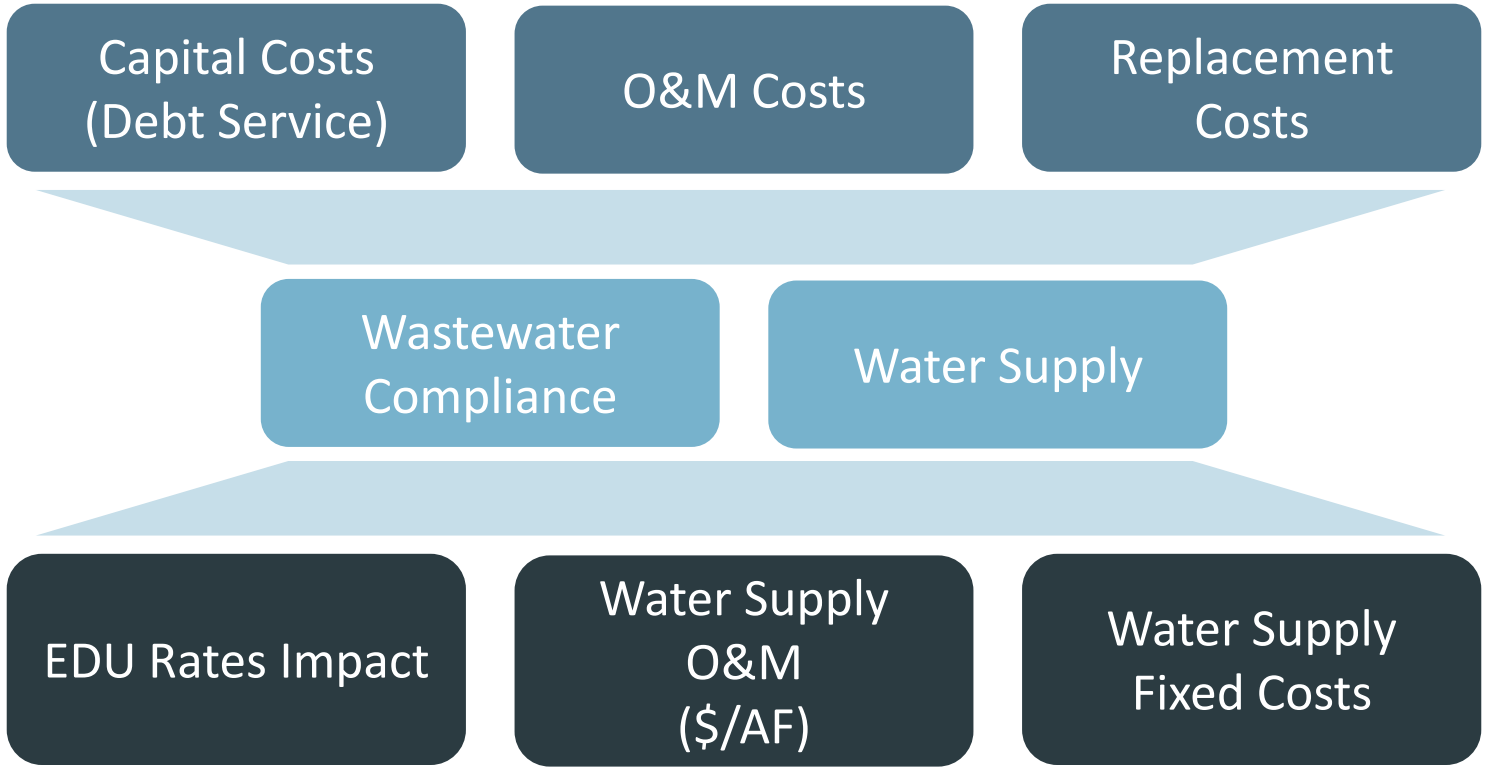
Rates | Methodology

Analysis Components for Each Alternative

1: Develop financial forecast

2: Allocate costs by benefits

3: Estimate rate impacts



Rates | Assumptions

	Alt 1. Baseline	Alt 2. Regional RW	Alt 3. Regional RW Expansion	Alt 4. CBP
Project Elements Included				
AWPF	✓	✓	✓	✓
Injection		✓	✓	✓
External Supplies			✓	✓
Take Facilities				✓
Capital Costs (2019, $ M)	**$160**	**$306**	**$386**	**$650**
Project Start (FY Ending)	2025	2023	2023	2023
Project Completion (FY Ending)	2029	2027	2027	2027
Grant Funding Secured	**$0**	**$0**	**$0**	**$212**
New Supply Available	**n/a**	**9,000 AFY Stored**	**15,000 AFY Stored**	**12,000 AFY Delivered**

Rates | Assumptions (cont.)

Capital Costs and Funding

- Costs escalated to midpoint of construction at 4.0% per year
- Non-grant funded costs financed at 3% per year for 30 years
- Assumes use of bridge financing during design and construction

Operating and Replacement Set-Aside Costs

- Operating costs projected based on 4.5% per year escalation
- Replacement costs projected based on 4.0% per year escalation

Projected EDUs

- Assumes 3,400,000 EDUs for 2020 with 0.5% annual growth

Rates | *Net Present Value (2021$)*

Water Supply (AFY) Full Costs Start Year	Alt 1. Baseline FYE 2031	Alt 2. Regional RW 9,000 FYE 2029	Alt 3. Regional RW Expansion 15,000 FYE 2029	Alt 4. CBP 12,000 | 15,000 FYE 2029
Wastewater				
$/EDU	$4.75	$4.85	$4.85	$4.70
Water Supply				
Fixed Costs				
Annual $/Year		$11 M	$17 M	$25 M
$/AF	-	$910	$840	$1,485
O&M Costs $/AF	-	$220	$660	$1,265
Total Water Supply		**$1,130**	**$1,500**	**$2,750**

Rates | *CBP Annual Fixed Water Supply Cost Allocation*

	Capital Cost [2019$]	Max Regional Benefit		Shared Regional WS Benefit		Low Regional WS Benefit	
		Regional	Participating	Regional	Participating	Regional	Participating Agency
Baseline Compliance	$160 M	100%	-	100%	-	100%	
Water Supply	$490 M	100% $25 M	-	50% $12.5 M	50% $12.5 M	0%	100% $25 M
Added AWPF + Injection	$146 M	✓	-	✓	-	-	✓
External Supplies	$80 M	✓	-	✓	-	-	✓
Extraction Wells + Pipeline	$264 M	✓	-	-	✓	-	✓
Total Project Cost	$650 M						

Regional: All IEUA agencies | Participating Agency: Agencies interested in participating in the CBP | WSIP

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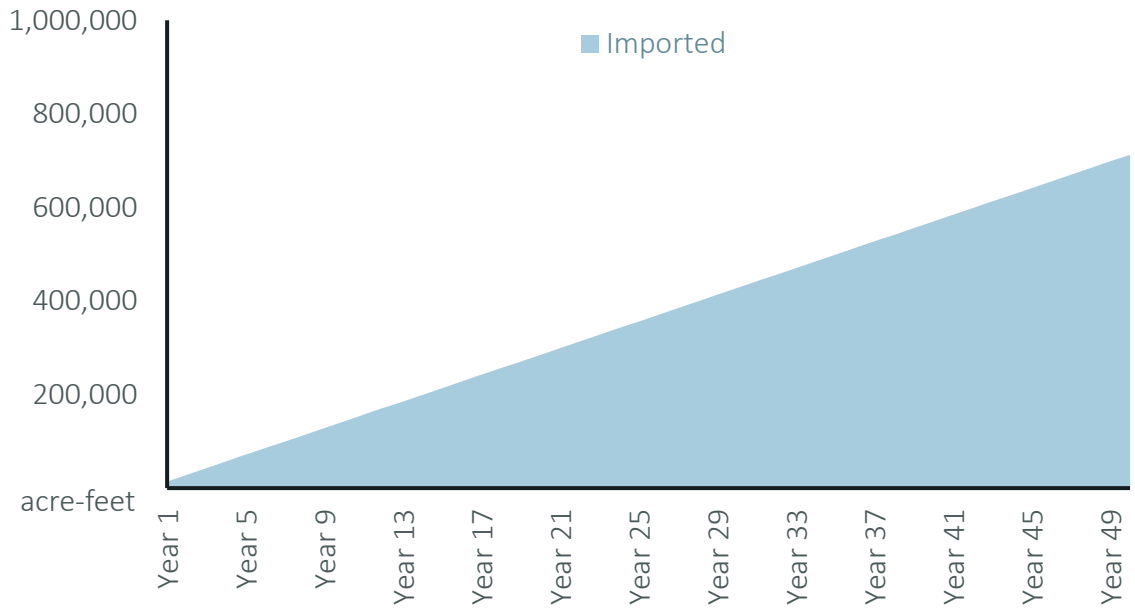
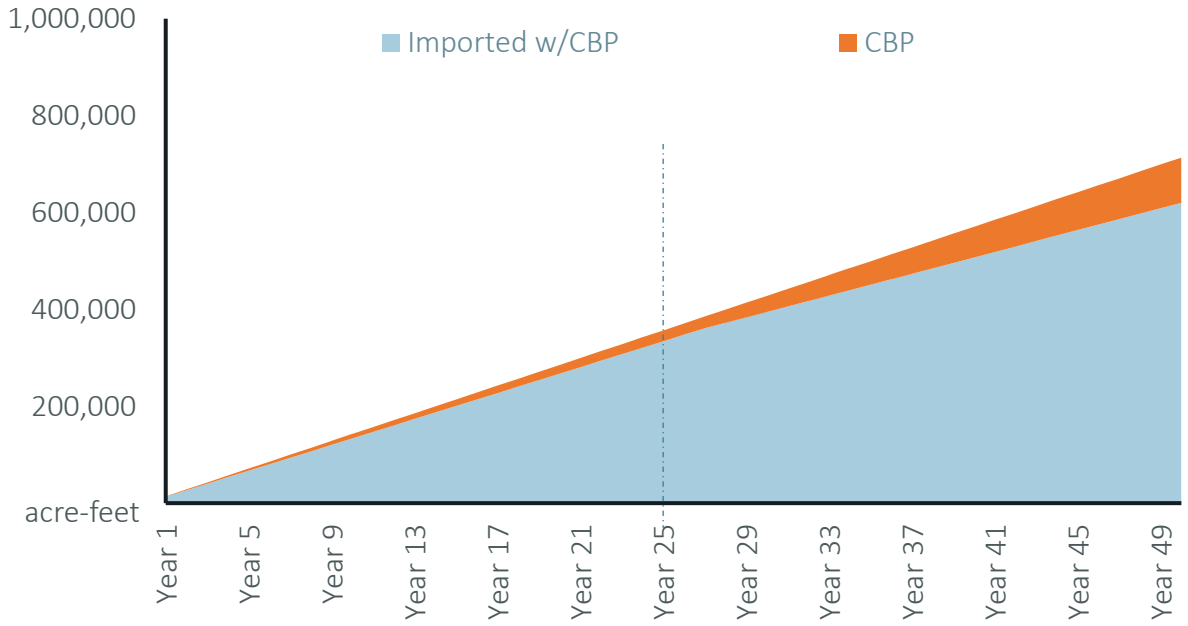
Example
Local Agency CBP Participation

Rates | *Local Agency- Cumulative Water Supply*

Example: CBP In-Lieu participation of 3,000 AF per call year





2020 Imported Water | WFA Purchase: 1,700 AF | CBP water Years 1-25: 720 AFY + WFA 980 AF | CBP water Years 25+ 900 AFY + WFA 800 AFY

CBP water may be used for replenishment obligation [CDA ~ 650 AFY] or reduce imported water

- 18,000 acre-feet over 25 years [~ $18 M]
- 40,140 acre-feet over 50 years [~ $40 M]

MWD 2021 ~Full Tier 1 Untreated Rate $1,050/AF

Rates | *Local Agency - Cumulative Water Supply*

Assumption: CBP In-Lieu participation of 3,000 AF per call year

2021 Water Portfolio
- Imported Water: 1,700 AFY
- Total Demands: 14,500 AFY

Water Supply Benefit
- Years 1-25 720 AFY
- Years 25+ 900 AFY

MWD Avoided Cost @ Tier 1 rate $1,050/AF*:
- Years 1-25 $720,000 per year
- Years 25+ $900,000 per year

Water Resilience | Emergency Supply Benefit:
- Year 1+ 3,000 AFY production + treatment capacity

CBP Costs [shown as Net Present Value, 2021$]

- Baseline Compliance cost $4.70 per EDU
- Water Supply Cost Years 1-30 [Participating Agency]
  - Fixed costs $1,485/AF
  - O&M Costs $1,265/AF
  - Total $2,750/AF
- Water Supply Cost Year 30+
  - Fixed costs -
  - O&M costs $1,340/AF

Long term water supply resilience| insurance supplies during emergency conditions

*Metropolitan costs do not reflect its rate refinement implications and implementation of its Regional Programs

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Schedule

Schedule | *CWC Feasibility Determination & Final Funding Award Requirements*

- **January 1, 2022, Deadline for CWC to make feasibility determination:**
  - Completed feasibility studies (Sep 2021)
  - Draft environmental document is available for public review (Oct 2021)
  - Commitments for local cost share (IEUA Board, Oct 2021)
  - Request CWC to make a feasibility determination (Nov 2021)

IEUA Board's commitment for local cost share in October 2021 will be based on member agency interest in the Chino Basin Program. This action will not set future rates.

IEUA commitment is needed for the **project to remain eligible for funding**.

Prior to entering into final funding agreement (2022-2023), IEUA will enter into required agreements with participating agencies and work with all its member agencies to levy rates and charges to recover local cost shares.

Schedule | *Timeline & Upcoming Milestones*

Aug 2021

CBP Workgroup Meeting

Sep 2021

Policy Workshop

CEQA Notice of Preparation

Oct 2021

IEUA Board Action

CEQA Circulation

Participating Agency Letter of Intent

Dec 2021

Deadline to submit Final Feasibility Report to secure WSIP funding by Jan 1, 2022

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Stakeholder Discussion

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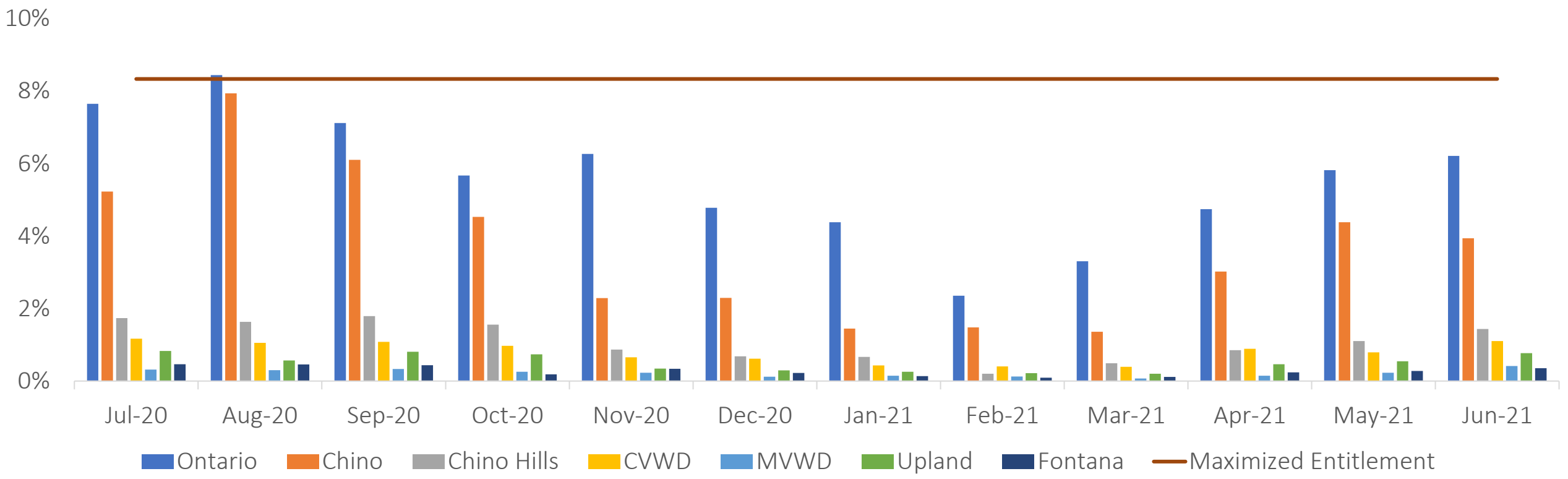
Reference Slides

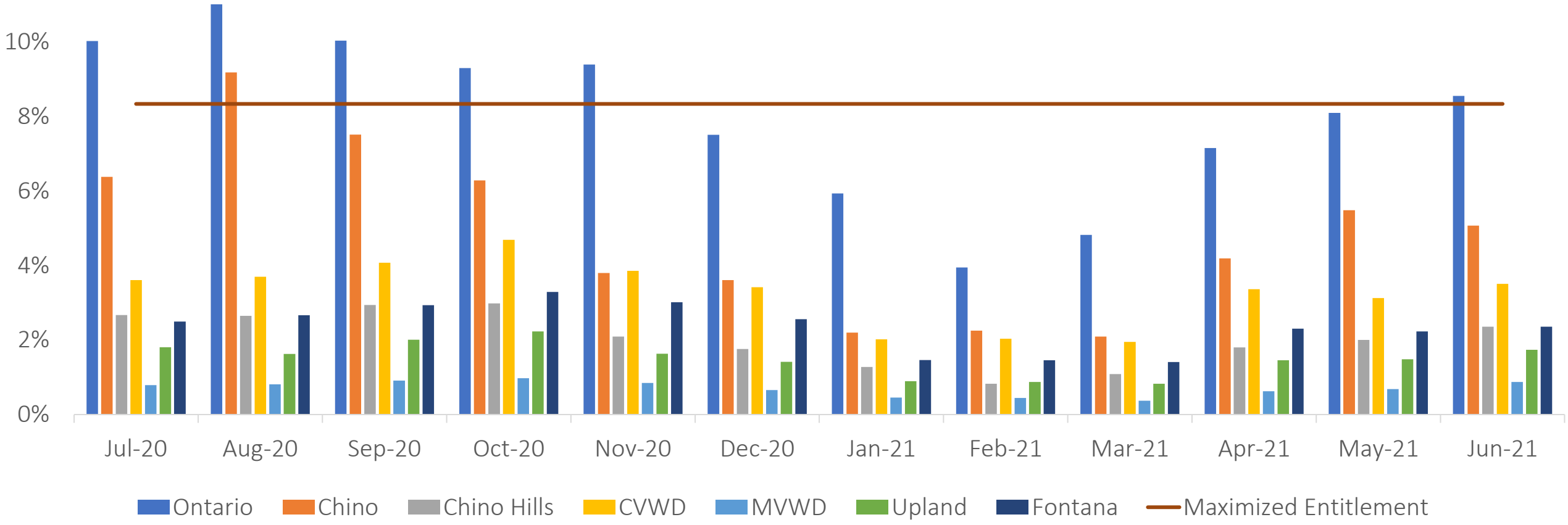
IEUA RW | *Direct Use as % Entitlement FY2020-21*

Preliminary FY2020-21 Data



IEUA RW | *Direct + GWR as % Entitlement FY2020-21*

Preliminary FY2020-21 Data



CBP Source Water Balance

RW supply and demand projections are consistent with the 2021 Wastewater and Recycled Water Demand Forecast

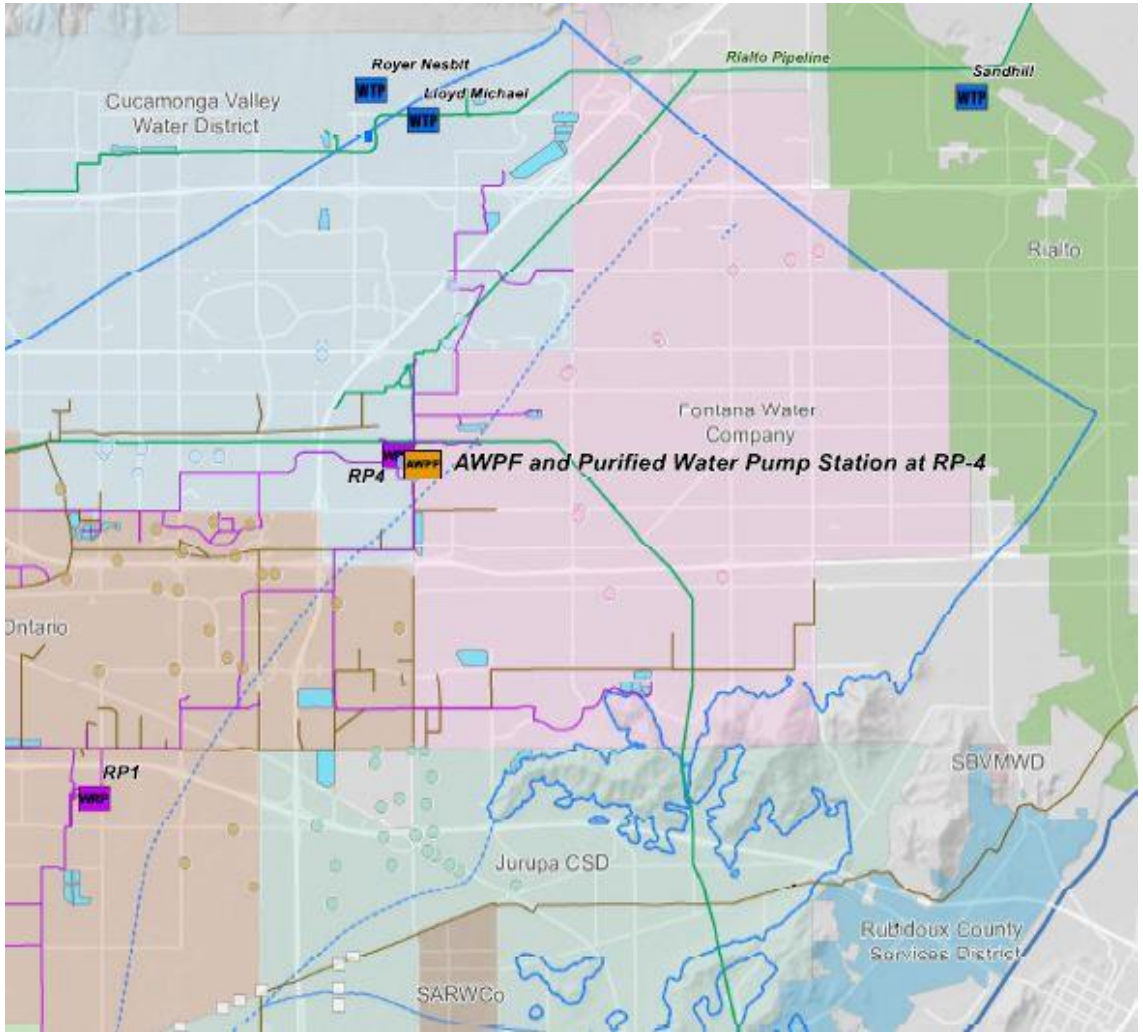
Fiscal Year 2028-29 Projections	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
IEUA Supply (AF)	**4,733**	**4,896**	**4,741**	**4,869**	**4,611**	**4,632**	**5,095**	**4,794**	**4,594**	**4,402**	**4,504**	**4,629**	**56,500**
IEUA RW Demand (AF)	4,272	4,623	4,281	3,336	3,026	1,770	972	1,082	3,089	3,807	3,990	4,172	38,420
Direct Use (AF)	3,159	3,378	2,575	1,751	1,339	756	464	443	1,206	2,019	2,081	2,827	22,000
Tertiary GWR (AF)	1,112	1,246	1,705	1,585	1,687	1,013	508	639	1,883	1,788	1,909	1,345	16,420
Unused IEUA supply	**461**	**273**	**460**	**1,533**	**1,585**	**2,862**	**4,123**	**3,712**	**1,506**	**595**	**514**	**457**	**18,080**
External Supply Sources													
Rialto (AF)	583	583	583	0	0	0	0	0	0	583	583	583	3,500
WRCRWA (AF)	417	417	417	0	0	0	0	0	0	417	417	417	2,500
Total Supply (AF)	**1,461**	**1,273**	**1,460**	**1,533**	**1,585**	**2,862**	**4,123**	**3,712**	**1,506**	**1,595**	**1,514**	**1,457**	**24,080**
CBP Demand (AF)	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	17,000

Alt 1. Baseline

Facilities:

- Advanced Water Purification Facility at RP-4

Capital Cost: $160 M (2019$)

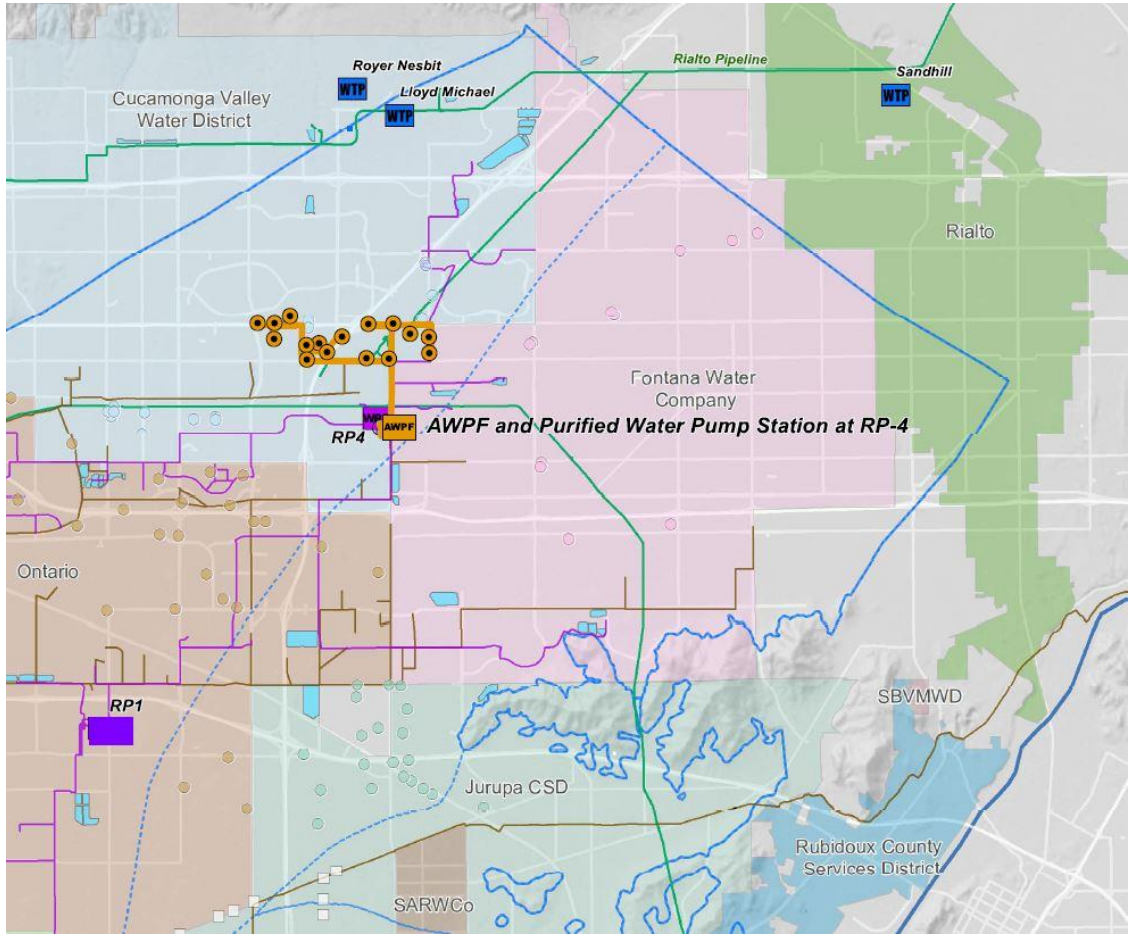


Alt 2. Regional RW Program
(Baseline + Injection Wells)

Facilities:

- Advanced Water Purification Facility at RP-4
- Purified water pipelines
- Injection wells

Capital Cost: $306 M (2019$)

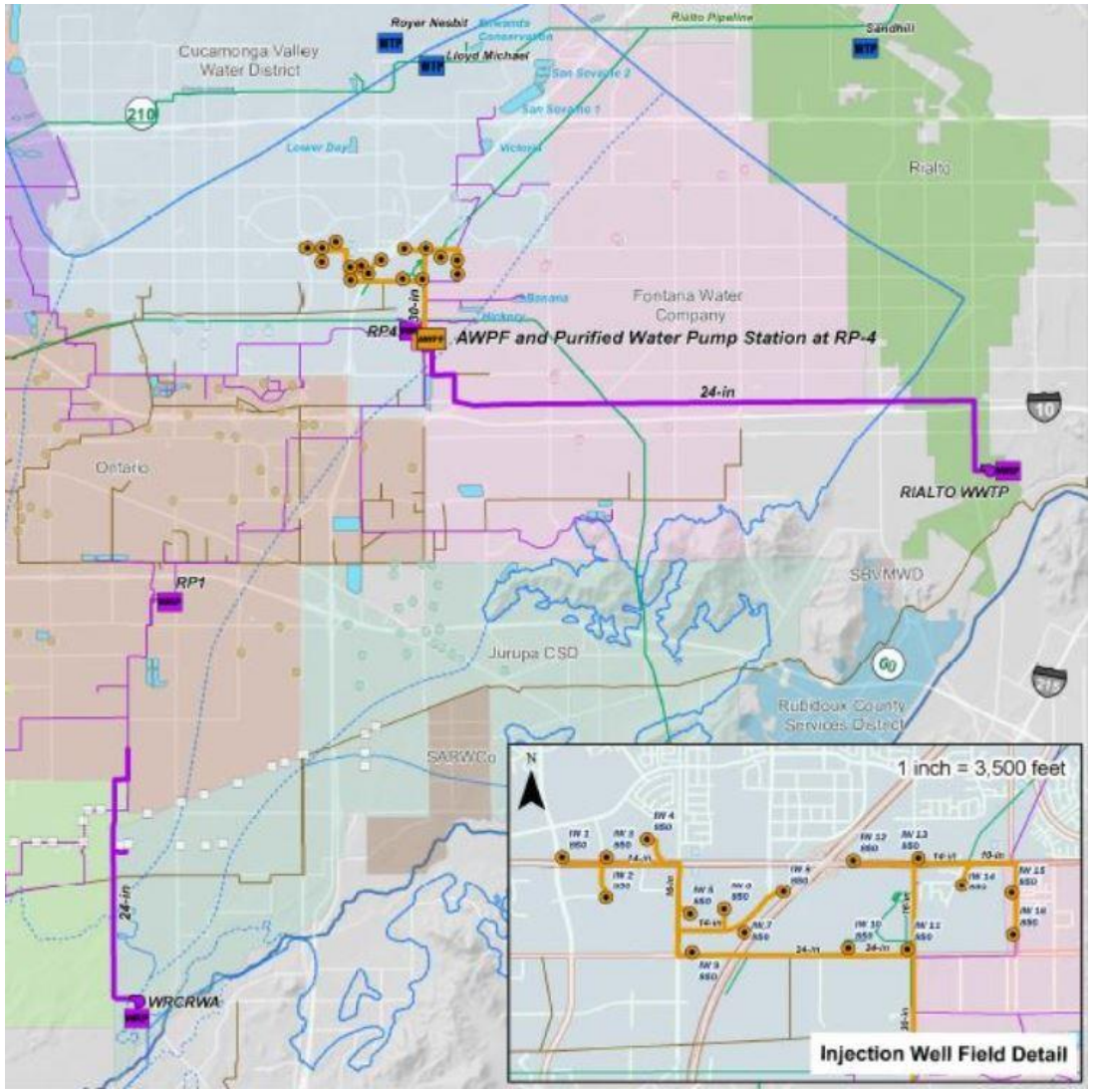


Alt 3. Regional RW Program Expansion
(Regional RW Program + External Supplies)

Facilities:

- Advanced Water Purification Facility at RP-4
- Purified water pipelines
- Injection wells
- 6 TAFY External supply sources

Capital Cost: $386 M (2019$)

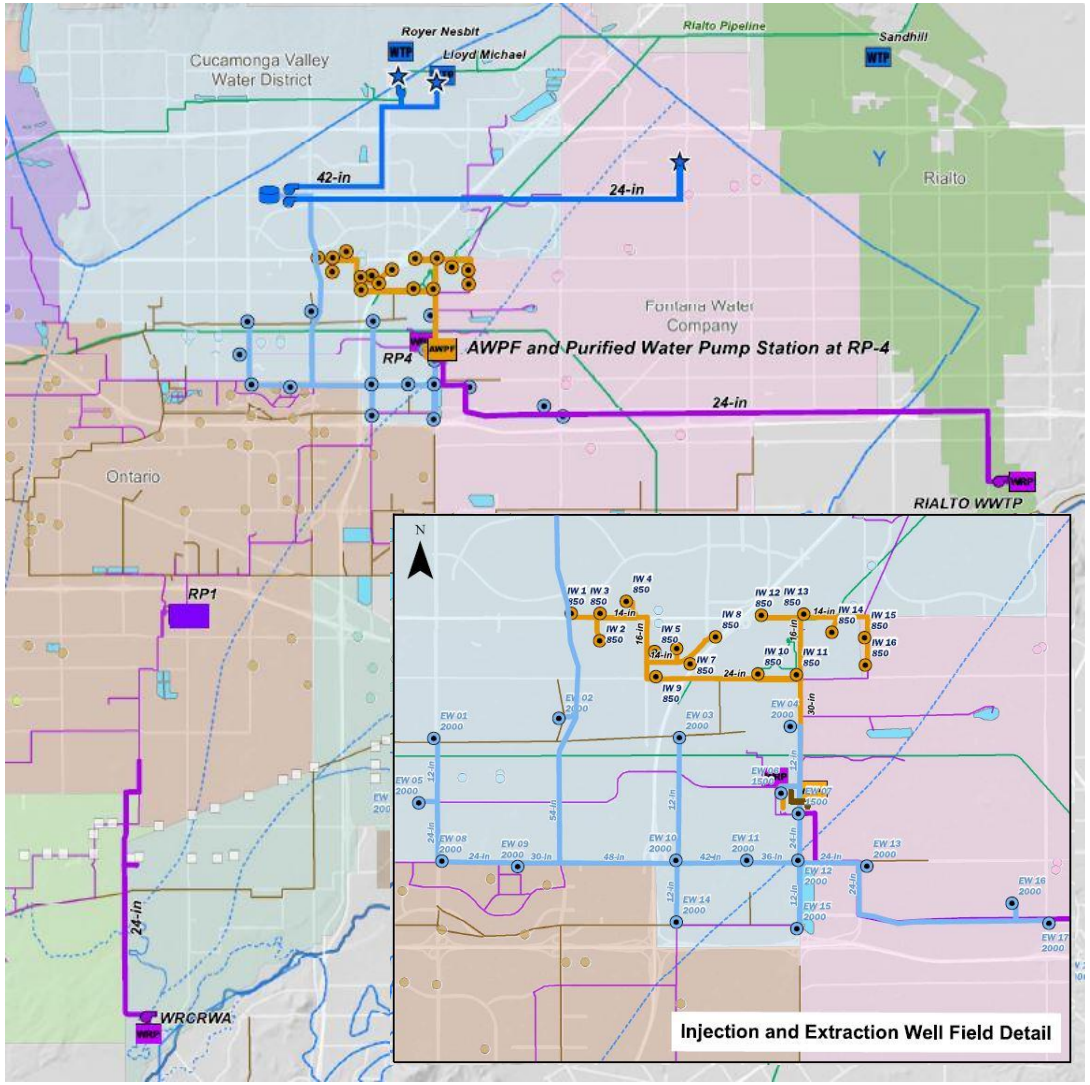


Alt 4. CBP | WSIP Program Components
(Regional RW Program Expansion + Extraction Facilities)

Facilities:

- Advanced Water Purification Facility at RP-4
- Purified water pipelines
- Injection wells
- 6 TAFY External supply sources
- New extraction wells
- Potable water pipelines & Reservoir
- Metropolitan Interconnection at Rialto Feeder

Capital Cost: $650 M (2019$)



DISTRIBUTED ITEM

4A

Inland Empire Utilities Agency
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Date: August 16, 2021

To: Regional Technical Committee

From: Inland Empire Utilities Agency

Subject: Operations and Compliance Update Follow-up (1,2,3-Trichloropropane)

This is an information item in response to a question related to 1,2,3-Trichloropane (1,2,3-TCP) posed during the Operations and Compliance update at the July 29, 2021 Regional Technical Committee.

BACKGROUND

IEUA staff reported during the Regional Technical Committee meeting that in June/July 2021, 1,2,3-TCP monitoring results for recycled water had exceeded maximum contaminant level (MCL) of 0.005 µg/L. The Technical Committee requested that IEUA staff provide the monitoring results concentrations of 1,2,3-TCP. Table 1 below shows the concentrations of 1,2,3-TCP for the Recycled Water (RW) Blend and the 001B effluent monitoring points at RP-1. IEUA is performing weekly monitoring until the running four-week average concentration no longer exceeds the MCL.

Table 1 - 1,2,3-Trichloropropane Concentrations

Sample	Date	RW Blend (µg/L)	4-week avg (µg/L)
Original	06/01/21	0.013	--
Confirmation	06/09/21	0.012	--
Week 1	06/18/21	0.006	--
Week 2	06/23/21	0.011	--
Week 3	06/29/21	0.011	--
Week 4	07/06/21	<0.005	0.007
Week 5	07/13/21	0.011	0.008
Week 6	07/20/21	<0.005	0.006
Week 7	07/27/21	0.016	0.007

Sample	Date	001B Eff (µg/L)	4-week avg (µg/L)
Original	06/01/21	0.015	--
Confirmation	06/10/21	0.018	--
Week 1	06/18/21	0.008	--
Week 2	06/22/21	0.010	--
Week 3	06/29/21	0.015	--
Week 4	07/06/21	0.008	0.010
Week 5	07/13/21	0.014	0.012
Week 6	07/20/21	0.016	0.014
Week 7	07/27/21	0.018	0.014