Regional Sewerage Program
Technical Committee Meeting

AGENDA
Thursday, June 30, 2022
2:00 p.m.
Teleconference Call

In an 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%22%3a%224c0c1e57-30f3-4048-9bd2-917dfc07%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 the number provided above. Comments may also be submitted by email to the Recording Secretary Sally Lee at shlee@ieua.org prior to the completion of the Public Comment section of the meeting. Comments will be distributed to the Committee Members.

____________________________

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 May 26, 2022 Technical Committee Meeting Minutes
   B. Request by the City of Chino for a Regional Connection Point to the Western Interceptor Relief Sewer (Chino Regional Sewer Connection C-03D) Project Number EN0000000145

2. **Informational Items**
   A. Recycled Water Groundwater Recharge Update
   B. Return to Sewer Study *(Oral)*
   C. Operations & Compliance Updates *(Oral)*

3. **Receive and File**
   A. Draft Regional Sewerage Program Policy Committee Meeting Agenda
   B. Building Activity Report
   C. Recycled Water Distribution - Operations Summary

4. **Technical Committee Items Distributed**
   A. Notice of Availability of Recycled Water as Groundwater Recharge (FY 21-22)

5. **Other Business**
   A. Committee Member Requested Agenda Items for Next Meeting
   B. Committee Member Comments
   C. Next Regular Meeting – July 28, 2022

Adjourn

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 Lee, Executive Assistant of the Inland Empire Utilities Agency*, a Municipal Water District, hereby certify that, per Government Code Section 54954.2, a copy of this agenda has been posted at the Agency’s main office, 6075 Kimball Avenue, Building A, Chino, CA and on the Agency’s website at www.ieua.org at least seventy-two (72) hours prior to the meeting date and time above.
In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact Sally Lee at (909) 993-1926 or shlee@ieua.org 48 hours prior to the scheduled meeting so that IEUA can make reasonable arrangements to ensure accessibility.
ACTION
ITEM
1A
CALL TO ORDER
A regular meeting of the IEUA/Regional Sewerage Program – Technical Committee was held via teleconference on Thursday, May 26, 2022. Committee Chair Nicole deMoet/City of Upland called the meeting to order at 2:04 p.m. Recording Secretary Sally Lee took roll call and established a quorum was present.

ATTENDANCE via Teleconference

<table>
<thead>
<tr>
<th>COMMITTEE MEMBERS PRESENT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dave Crosley</td>
</tr>
<tr>
<td>Amanda Coker</td>
</tr>
<tr>
<td>Armando Martinez</td>
</tr>
<tr>
<td>Steve Stanton</td>
</tr>
<tr>
<td>Courtney Jones</td>
</tr>
<tr>
<td>Nicole deMoet</td>
</tr>
<tr>
<td>Christiana Daisy</td>
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<table>
<thead>
<tr>
<th>COMMITTEE MEMBERS ABSENT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ron Craig</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OTHERS PRESENT:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Christopher Quach</td>
</tr>
<tr>
<td>Alexis Mascarinas</td>
</tr>
<tr>
<td>Braden Yu</td>
</tr>
<tr>
<td>Bob Jones</td>
</tr>
<tr>
<td>Jerry Burke</td>
</tr>
<tr>
<td>Pietro Cambiaso</td>
</tr>
<tr>
<td>Javier Chagoyen-Lazarro</td>
</tr>
<tr>
<td>Elizabeth Hurst</td>
</tr>
<tr>
<td>Randy Lee</td>
</tr>
<tr>
<td>Sally Lee</td>
</tr>
<tr>
<td>Scott Lening</td>
</tr>
<tr>
<td>Alex Lopez</td>
</tr>
<tr>
<td>Jason Marseilles</td>
</tr>
<tr>
<td>William McDonnell</td>
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OTHERS PRESENT (continued):

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
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<tr>
<td>Liza Muñoz</td>
<td>IEUA</td>
</tr>
<tr>
<td>Cathleen Pieroni</td>
<td>IEUA</td>
</tr>
<tr>
<td>Jeanina Romero</td>
<td>IEUA</td>
</tr>
<tr>
<td>Ken Tam</td>
<td>IEUA</td>
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PUBLIC COMMENTS
There were no public comments.

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

1. ACTION ITEMS
A. APPROVAL OF APRIL 28, 2022 TECHNICAL COMMITTEE MEETING MINUTES

Motion: By Amanda Coker/CVWD and seconded by Dave Crosley/City of Chino to approve the meeting minutes of the April 28, 2022, Regional Technical Committee meeting by the following vote:

Ayes: Coker, Crosley, Daisy, Martinez, Stanton, deMoet
Noes: None
Absent: Craig
Abstain: Jones

The motion passed by a vote of 6 ayes, 0 noes, 1 abstain, and 1 absent.

B. FY 2022/23 PROPOSED BUDGET AMENDMENT FOR THE REGIONAL WASTEWATER PROGRAMS

Javier Chagoyen-Lazaro/IEUA provided an overview of the Fiscal Year (FY) 2022/23 Proposed Budget Amendment for the Regional Wastewater Programs.

Motion: By Dave Crosley/City of Chino and seconded by Nicole deMoet/City of Upland to recommend the IEUA Board of Directors approve the proposed FY 2022/23 Budget Amendment for the Agency’s Regional Wastewater Capital Improvement and Regional Wastewater Operations and Maintenance funds by the following vote:

Ayes: Crosley, deMoet, Coker, Daisy, Jones, Martinez, Stanton
Noes: None
Absent: Craig

The motion passed by a vote of 7 ayes, 0 noes, 0 abstain, and 1 absent.

C. FY 2022/23 – 2031/32 TEN-YEAR FORECAST

William McDonnell/IEUA provided an overview of FY 2022/23 – 2031/32 Ten-Year Forecast. Discussion ensued regarding funding for the planned advanced water treatment projects.
Motion: By Amanda Coker/CVWD and seconded by Dave Crosley/City of Chino to approve the FY 2022/23 – 2031/32 Ten-Year Forecast by the following vote:

Ayes: Coker, Crosley, Daisy, Jones, Martinez, Stanton, deMoet
Noes: None
Absent: Craig
Abstain: None
The motion passed by a vote of 7 ayes, 0 noes, 0 abstain, and 1 absent.

2. INFORMATIONAL ITEMS
   A. ROTATION OF CHAIR FOR MONTHLY REGIONAL SEWERAGE PROGRAM COMMITTEE MEETINGS
      Chair deMoet stated that the City of Upland’s two-year term of chairmanship of the Technical Committee meeting will end at the beginning of July 2022 and Cucamonga Valley Water District will serve as Chair for the meetings starting July 2022 and the City of Chino Hills will serve as the alternate Chair.

      Christiana Daisy/IEUA presented Chair deMoet with a Certificate of Recognition for her dedication and service to the Regional Sewerage Program Technical Committee.

      Ms. Coker/CVWD also acknowledged Chair deMoet for her leadership of the Committee.

   B. RETURN TO SEWER STUDY UPDATES
      Ken Tam/IEUA stated that at the second technical subgroup meeting, the study consultant Data Collaborative shared results and the technical memorandum no. 2. They shared the completed analysis of the residential flows using data from the City of Ontario, Chino, and CVWD. Mr. Tam shared significant results and the next steps for the project. Mr. Tam also shared that a meeting is scheduled with the California Association of Sanitation Agencies’ technical staff members to discuss the postponement of commercial monitoring by the California Association of Sanitation Agencies (CASA) Steering Committee until 2023.

   C. OPERATIONS & COMPLIANCE UPDATES
      Mr. Tam reported that there was a slug with high pH levels at the Carbon Canyon plant that morning. The Agency’s pretreatment staff, and the City of Chino’s source control department are working together to investigate the source. The Agency’s pretreatment staff was already planning on continuing pH monitoring within the Carbon Canyon tributary area.

3. RECEIVE AND FILE
   A. DRAFT REGIONAL SEWERAGE PROGRAM POLICY COMMITTEE MEETING AGENDA
   B. BUILDING ACTIVITY REPORT
   C. RECYCLED WATER DISTRIBUTION – OPERATIONS SUMMARY

      Items 3A through 3C were received and filed by the Committee.
4. OTHER BUSINESS
   A. COMMITTEE MEMBER REQUESTED AGENDA ITEMS FOR NEXT MEETING
      There were no requested agenda items.

   B. COMMITTEE MEMBER COMMENTS
      There were no Committee Member comments.

   C. NEXT MEETING – JUNE 30, 2022

ADJOURNMENT – Chair deMoet adjourned the meeting at 2:32 p.m.

Prepared by:

Sally Lee, Recording Secretary
Date: June 30, 2022

To: Regional Technical Committee

From: Inland Empire Utilities Agency

Subject: Request by the City of Chino for a Regional Connection Point to the Western Interceptor Relief Sewer (Chino Regional Sewer Connection C-03D) Project Number EN0000000145

RECOMMENDATION

It is recommended that the Regional Technical Committee approve the request by the city of Chino for one new connection point to the Western Interceptor Relief Sewer (Chino Regional Sewer (Connection C-03D).

BACKGROUND

On June 10, 2022, Inland Empire Utilities Agency (IEUA) received a request from the City of Chino (Attachment A) for the approval of a new Regional Connection to the Western Interceptor Sewer Relief, at approximate Station 108+15, through a new manhole located at the intersection of Ramona Avenue and Schaefer Avenue. The proposed connection will divert sewage flows from approximately 80 acres from the existing 240-acre C-03C tributary area. The existing C-03C connection was constructed in 2003 and is located at the intersection of Eucalyptus Avenue and Monte Vista Avenue. The requested C-03D connection will minimize capacity issues downstream in the City’s system which cannot be mitigated with a larger pipe due to utility conflicts. Attachment B summarizes what is proposed.

SUMMARY OF FLOW RATES UTILIZED FOR C-03D AND REVISED C-03C:

Proposed Chino Regional Connection C-03D:
- Average Flow Rate (ADF) = 0.97 MGD (673.61 gpm)
- Peak Dry Weather Flow (PDWF) Rate IEUA Formula = 1.85 MGD (1,282.98 gpm)
- Peak Wet Weather Flow (PWWF) Rate IEUA Formula = 2.43 MGD (1,688.65 gpm)

Revised Regional Connection (Existing) C-03C:
- ADF = 1.8 MGD (1,250.00 gpm)
- Peak Dry Weather Flow (PDWF) Rate IEUA Formula = 3.26 (2,265.91 gpm)
- Peak Wet Weather Flow (PWWF) Rate IEUA Formula = 4.27 MGD (2,963.98 gpm)

The 33-inch Western Interceptor Relief Sewer is designed to deliver a maximum flow rate of 54 MGD to the Carbon Canyon Water Recycling Facility. The proposed additional flow results in an average flow rate of 13.54 MGD, leaving a remaining pipeline capacity of 40.46 MGD. The (d/D) ratio will range from 0.34 to 0.45 between C-03D and C-03C. This hydraulic analysis indicates that the proposed connection will not create a capacity deficiency within the Western Interceptor Relief Sewer.
June 10, 2022

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

Subject: Request for New Sewer Connection to the 33-inch Ramona Avenue Trunk Sewer (West Side Interceptor Relief Sewer)

Dear Mr. Poeske,

The City of Chino is hereby requesting a new Regional Point of Connection to the West Side Interceptor Relief Sewer (33-inch trunk sewer) located at the intersection of Ramona Avenue and Schaefer Avenue. This proposed connection (shown on Attachment 5) will be designated as Outfall #C03D. At this location, the City is proposing to connect a new 12-inch VCP sewer to the existing 33-inch VCP trunk sewer on the west side of Ramona Ave. The proposed 12-inch sewer will be installed underneath the existing 10-inch City sewer main in Ramona Avenue and will discharge into the upper portion of the 33-inch trunk sewer. Per Sheet 10 of IEUA Record Drawing #D4587, the proposed connection point will be located about 10 feet south of the existing manhole at Station 108+25 on Profile (Station 62+45 on Plan). This connection point is needed due to the infeasibility of the planned connection point in Eucalyptus Avenue.

According to Sheet 3 of IEUA Record Drawing #D4638, the existing connection point for the local tributary area shown in Exhibits A & C of Attachment #1 is located in Eucalyptus Avenue, just west of Monte Vista Avenue. This existing connection point is designated as Outfall #C03C per Attachment #3. The IEUA trunk sewer at this connection point is 33-inch VCP. The estimated ultimate (future) average daily flow at the connection point in Eucalyptus Avenue is 2.8 MGD. This flow was calculated based on the City’s 1993 Sewer Master Plan and a recent 2020 Sewer Study (see Attachment #1) for this project. The differential flow to the existing #C03C connection (after the proposed #C03D connection) would be 1.8 MGD. The differential is shown in red in Exhibits A & C of Attachment 1.

The City subsequently conducted flow monitoring at several key points in the alignment of the existing/proposed sewer. The flow monitoring results, shown in Exhibit E of Attachment #1, indicate that actual flows are less than the estimated (calculated) flows. Nevertheless, since the measured flow is variable, the City intends to proceed with this project to alleviate capacity issues upstream of the connection point in Eucalyptus Avenue.

The City completed design of this project (including limited utility potholing) in December, 2021 and the project was bid in January, 2022. The project is currently in construction, and the Contractor (MNR Construction) conducted potholing of all utilities within the proposed alignment of the sewer. The results of the potholing indicate that the planned alignment is not feasible due to multiple crossing utilities within a few inches or less of the existing sewer. Since the existing sewer will be upsized from 10-inch to 15-inch, the proposed alignment will conflict with these utilities. In particular, there are a handful of conduit
duct banks (concrete encased) in direct conflict with a proposed extension of the existing sewer (i.e. new alignment) at the intersection of Yorba Avenue and Edison Avenue.

The proposed #C03D connection to the existing 33-inch trunk sewer in Ramona Avenue and Schaefer Avenue will divert a portion of the overall flows which would otherwise be discharged further downstream (into the existing #C03C connection). This is shown in blue in Exhibits A & C of Attachment 1. No new flows will be added to the Westside Interceptor system. Only a split of where the flows will be diverted is being proposed. The estimated average daily flows at the proposed #C03D connection point is 0.97 MGD (or 0.52 MGD based on the measured flows shown in Exhibit E). The remaining flows collected within the local sewer tributary area will discharge into the existing #C03C connection in Eucalyptus Avenue (same as existing conditions).

Based on Sheets 6 to 10 of IEUA Record Drawing #D4587, there do not appear to be any connection points to the West Side Interceptor Relief Sewer system upstream of the existing #C03C connection in Eucalyptus Avenue. Therefore, by adding a proposed #C03D connection and splitting the flows at Schaefer Avenue, this project will not change the overall flow characteristics of IEUA’s West Side Interceptor Relief Sewer system.

In summary, the proposed connection point to the existing 33-inch VCP trunk sewer in Ramona Avenue (West Side Interceptor Relief Sewer) is needed due to constructability issues with existing crossing utilities. Since the proposed connection will only result in a split of where the flows will be diverted, and will not add any new flows into IEUA’s West Side Interceptor Relief Sewer system, the City requests that permission be granted from IEUA to construct a connection at the intersection of Ramona Avenue and Schaefer Avenue.

We request that IEUA review this letter and the following attachments:

- Attachment 1: Exhibits A to E of Sewer Area Study (Exhibits A and C are Modified for this Letter)
- Attachment 2: Area Sewers & Invert Elevations
- Attachment 3: City of Chino Outfalls to IEUA
- Attachment 4: Proposed Schaefer Avenue Sewer Alignment
- Attachment 5: Proposed Connection to IEUA West Side Interceptor

We request that tentative approval be provided to the City as soon as possible.

Should you have any questions on this matter, please contact Natalie Avila at (909) 334-3406.

Sincerely,

Phillip West, P.E., OSD/QSP
Design Consultant for
City of Chino
Public Works Department
13220 Central Avenue
Chino CA 91710
philw@westaeng.com
Attachment 1
Exhibits A to E of Sewer Area Study
EXHIBIT A
SEWER TRIBUTARY AREAS

TRIBUTARY AREA TO BE DIVERTED TO IEUA WEST SIDE INTERCEPTOR (PROPOSED CONNECTION AT SCHAEFER/RAMONA AVE).

ABOUT 80 ACRES

Q
~0.97 MGD AVERAGE
~0.52 MGD MEASURED (FLOW_monitoring)

DISCHARGE TO PROPOSED C-03D

TRIBUTARY AREA TO BE DIVERTED TO C-03C CONNECTION (EXIST. CONNECTION AT EUCALYPTUS AVE). SAME AS BEFORE.

ABOUT 160 ACRES

Q
~1.8 MGD AVERAGE
~1.1 MGD MEASURED (FLOW_monitoring)

FLOWS FROM AREA IN RED ABOVE (ONCE FLOWS FROM AREA IN BLUE ABOVE ARE DIVERTED)

ABOUT 10% OF THIS AREA FLOWS INTO THE C-03C CONNECTION (COLLECTED IN THE CITY'S SEWERS INTO THE C-03C)

IEUA WEST SIDE INTERCEPTOR RELIEF SEWER (IEUA RECORD DWG. D4587)

IEUA WEST SIDE INTERCEPTOR RELIEF SEWER (IEUA RECORD DWG. D4587)

IEUA C-03C

IEUA C-05

PROPOSED C-03D CONNECTION

IEUA C-05

IEUA CARBON CANYON TREATMENT PLANT (CCWRF)
WASTEWATER FLOW GENERATION

IEUA WEST SIDE INTERCEPTOR RELIEF SEWER (IEUA RECORD DWG. D4587)

EXHIBIT C

PROJECT LOCATION

CITY BOUNDARIES

MONTE VISTA AVE
PIPELINE AVE
EAST END AVE
CENTRAL AVE
EUCALYPTUS AVE
SCHAEFER AVENUE
CHINO AVE
SCHAEFER AVE
RAMONA AVE
YORBA AVE

#1
Area ~ 64 ACRES
Q = 0.25 CFS

#2
Q = 1.25 CFS

#3
Area ~ 40 ACRES
Q = 0.13 CFS

#4
Area ~ 35 ACRES
Q = 0.14 CFS

#5
Area ~ 86 ACRES
Q = 0.30 CFS

AMERICAN BEEF PACKERS
Up to 500 gpm
(1.1 cfs)

WING LEE FARMS
Up to 85,000 gpd
(0.13 cfs)

PROPOSED C-03D CONNECTION

IEUA C-03C

TRIBUTARY AREA TO BE DIVERTED TO IEUA WEST SIDE INTERCEPTOR (PROPOSED CONNECTION AT SCHAEFER/RAMONA AVE).
ABOUT 80 ACRES

TRIBUTARY AREA TO BE DISCHARGED TO C-03C CONNECTION (EXIST. CONNECTION AT EUCALYPTUS AVE).
SAME AS BEFORE.
ABOUT 160 ACRES

IEUA C05

IEUA C16

IEUA WEST SIDE INTERCEPTOR RELIEF SEWER (IEUA RECORD DWG. D4587)

IEUA C16

IEUA C05

IEUA C-03C

IEUA_C05

IEUA_C16

IEUA RECORD DWG. D4587

Q ~1.8 MGD AVERAGE
-1.1 MGD MEASURED (FLOW MONITORING)
FLOWS FROM AREA IN RED ABOVE ONCE FLOWS FROM AREA IN BLUE ABOVE ARE DIVERTED

Q ~0.97 MGD AVERAGE
-0.52 MGD MEASURED (FLOW MONITORING)
DISCHARGE TO PROPOSED C-03D

Q ~1.8 MGD AVERAGE
-1.1 MGD MEASURED (FLOW MONITORING)
FLOWS FROM AREA IN RED ABOVE ONCE FLOWS FROM AREA IN BLUE ABOVE ARE DIVERTED

IEUA RECORD DWG. D4587
EXHIBIT D
WASTEWATER POINT FLOWS

PROJECT LOCATION

CITY BOUNDARIES

WING LEE FARMS
Up to 85,000 gpd (0.13 cfs)

AMERICAN BEEF PACKERS
Up to 500 gpm (1.1 cfs)

FLOW POINT:

DIRECTION OF FLOW:

#1
Q = 0.4 CFS
d/D = 0.20

#2
Q = 1.5 CFS
d/D = 0.77

#3
Q = 1.6 CFS
d/D = 0.87

#4
Q = 1.8 CFS
d/D = 0.94

#5
Q = 1.8 CFS
d/D = 0.91

#6
Q = 3.8 CFS
d/D = 0.99

#7
Q = 3.9 CFS
d/D = 1.02

#8
Q = 0.3 CFS
d/D = 0.25

#9
Q = 4.3 CFS
d/D = 1.13

#10
Q = 4.3 CFS
d/D = 1.14

TRIBUTARY AREA

YORBA AVENUE
SEWER

CENTRAL AVE

LEONARD

LOCATIONS

CENTRAL AVE

EUCALYPTUS AVE

EDISON AVE

NORTON AVE

GRAND AVE

ROSWELL AVE

SCHAEFER AVENUE

RAMONA AVE

PIPELINE AVE

YORBA AVE

MONTE VISTA AVE

CHINO AVE

WING LEE FARMS
Up to 85,000 gpd (0.13 cfs)

AMERICAN BEEF PACKERS
Up to 500 gpm (1.1 cfs)
EXHIBIT E
SEWER FLOW MONITORING RESULTS
YORBA AVE & EUCALYPTUS AVE SEWER MAIN REPLACEMENT
(PROJECT NUMBER SW211)

PIC: YORBA AVE.
FACING NORTH TOWARDS CHEYENNE

Monitoring Point #1

Peak Flow: 363 gpm (0.8 cfs)
6.2 in. max. depth

YORBA AVE.
CHEYENNE WAY

PIC: EDISON AVE.
FACING EAST TOWARDS YORBA

Monitoring Point #2

Peak Flow: 545 gpm (1.2 cfs)
8.9 in. max. depth

EDISON AVE.

PIC: RAMONA AVE.
FACING SOUTH TOWARDS EUCALYPTUS

Monitoring Point #3

Peak Flow: 852 gpm (1.8 cfs)
7.4 in. max depth

YORBA AVE.
EDISON AVE.

PIC: EUCALYPTUS AVE.
FACING SOUTH TOWARDS MONTE VISTA

Monitoring Point #5

Peak Flow: 741 gpm (1.7 cfs)
6.4 in. max. depth

MONTE VISTA

PIC: YORBA AVE.
FACING SOUTH TOWARDS EUCALYPTUS

Monitoring Point #4

Peak Flow: 89 gpm (0.2 cfs)
2.4 in. max. depth

EUCALYPTUS AVE.
Attachment 2
Area Sewers & Invert Elevations
Attachment 3
City of Chino Outfalls to IEUA
Figure 2.8: IEUA Outfall Locations

Legend
- Chino Outfall to IEUA
- Future SOI Outfall to IEUA
- City Limits
- IEUA Gravity Main

Gravity Main
- 8 inches or less
- 10 - 16 inches
- 18 - 27 inches
Attachment 4
Proposed Connection to IEUA West Side Interceptor
NEW ALIGNMENT
REPLACE (UPSIZE) PIPE
NEW PIPE EXTENSION
SEE ATTACHMENT 5
PROP. CONNECTION TO IEUA SEWER
656' INV (IEUA)
~669' INV
CAP SEWER
REPLACE (UPSIZE) PIPE
PARCEL MAP 9009
CHEYENNE WY
Attachment 5
Proposed Connection to IEUA West Side Relief Sewer
ATTACHMENT “B”
Sewer Tributary Areas
Recycled Water Groundwater Recharge Update

Andy Campbell, PG, CHG
Groundwater Recharge Supervisor
June/July 2022
Annual Recharge Monthly Accumulation

Stormwater Monthly Accumulation

Recycled Water Monthly Accumulation
## Groundwater Recharge Annual History

### Delivered Recharge Water Source (Acre-feet)

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<th>Source</th>
<th>FY 10/11</th>
<th>FY 11/12</th>
<th>FY 12/13</th>
<th>FY 13/14</th>
<th>FY 14/15</th>
<th>FY 15/16</th>
<th>FY 16/17</th>
<th>FY 17/18</th>
<th>FY 18/19</th>
<th>FY 19/20</th>
<th>FY 20/21</th>
<th>FY 21/22</th>
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<td>795.4</td>
<td>-</td>
<td>-</td>
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*Through April*
Groundwater Recharge Deliveries Past 12 Months

September 2021, January 2022, February 2022
Record Monthly RW Recharge

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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MWD and other Imported Water</td>
<td>0</td>
<td>2</td>
<td>108</td>
<td>69</td>
<td>33</td>
<td>27</td>
<td>33</td>
<td>13</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Stormwater and LR (excluded Non-Replenishment)</td>
<td>134</td>
<td>185</td>
<td>215</td>
<td>58</td>
<td>99</td>
<td>157</td>
<td>75</td>
<td>5,558</td>
<td>313</td>
<td>303</td>
<td>1,333</td>
<td>290</td>
</tr>
<tr>
<td>Recycled Water</td>
<td>1,274</td>
<td>1,311</td>
<td>1,209</td>
<td>1,387</td>
<td>1,791</td>
<td>1,979</td>
<td>1,673</td>
<td>686</td>
<td>1,426</td>
<td>1,492</td>
<td>1,232</td>
<td>1,327</td>
</tr>
</tbody>
</table>
Recycled Water (RW) Deliveries

![Bar Chart](image)

- **RW To SAR (WY)**
  - FY 10/11: 31,442
  - FY 11/12: 26,884
  - FY 12/13: 21,050
  - FY 13/14: 16,692
  - FY 14/15: 19,670
  - FY 15/16: 18,809
  - FY 16/17: 19,527
  - FY 17/18: 18,045
  - FY 18/19: 28,868
  - FY 19/20: 24,082
  - FY 20/21: 21,254
  - FY 21/22: 15,408

- **RW Recharge (FY)**
  - FY 10/11: 8,028
  - FY 11/12: 8,634
  - FY 12/13: 10,479
  - FY 13/14: 13,593
  - FY 14/15: 10,840
  - FY 15/16: 13,222
  - FY 16/17: 13,934
  - FY 17/18: 13,510
  - FY 18/19: 11,542
  - FY 19/20: 13,381
  - FY 20/21: 16,253
  - FY 21/22: 10,151

- **RW Direct Use (FY)**
  - FY 10/11: 16,650
  - FY 11/12: 20,596
  - FY 12/13: 21,825
  - FY 13/14: 24,621
  - FY 14/15: 22,547
  - FY 15/16: 19,370
  - FY 16/17: 19,436
  - FY 17/18: 21,092
  - FY 18/19: 16,803
  - FY 19/20: 17,115
  - FY 20/21: 19,534
  - FY 21/22: 14,010

*Through March*
April 2022 - Rubber Dam Inspections

Contractor conducted a condition assessment at all Rubber Dams

- Split Fin Turner
- Fold Cracking RP3 and Turner
- Bracket Corrosion Hickory
- Fin Repair Method
Upcoming Recharge Site Maintenance

- Spring Maintenance Activities
  - Infiltration restoration work at RP3, Brooks, and Banana Basins
  - Vegetation/debris removal by CalFire at San Sevaine 3, Ely, and Banana Basins
  - State Street storm drain inlet to Brooks Basin repair
RECEIVE AND FILE

3A
Regional Sewerage Program
Policy Committee Meeting

AGENDA
Thursday, July 7, 2022
3:30 p.m.
Teleconference Call

In an 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%22%3a%224c0c1e57-30f3-4048-9bd2-cd58917dcf07%22%22Oid%22%3a%222329ec40e-eb94-4218-9621-6bfa0baa9697%22%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 the number provided above. Alternatively, you may email your public comments to the Recording Secretary Sally 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.

(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. Technical Committee Report *(Oral)*

2. Action Item
   A. Approval of June 2, 2022 Policy Committee Meeting Minutes

3. Informational Items
   A. Regional Contract Negotiation Update *(Oral)*
   B. Agency Reserves

4. Receive and File
   A. Recycled Water Groundwater Recharge Update
   B. Building Activity Report
   C. 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 – August 4, 2022

Adjourn

DECLARATION OF POSTING

I, Sally Lee, Executive Assistant of the Inland Empire Utilities Agency*, a Municipal Water District, hereby certify that, per Government Code Section 54954.2, a copy of this agenda has been posted at the Agency’s main office, 6075 Kimball Avenue, Building A, Chino, CA and on the Agency’s website at www.ieua.org at least seventy-two (72) hours prior to the meeting date and time above.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact Sally Lee at (909) 993-1926 or shlee@ieua.org 48 hours prior to the scheduled meeting so that IEUA can make reasonable arrangements to ensure accessibility.
RECEIVE AND FILE

3B
RECEIVE AND FILE

3C
IEUA RECYCLED WATER DISTRIBUTION – MAY 2022

**TOTAL ALL PLANTS**

*Influent:* 50.4 MGD  
*Delivered:* 41.8 MGD  
*Percent Delivered:* 83%

**Preliminary Deliveries**

- **RW GWR:** 18.5 MGD  
- **RW Direct Use:** 23.3 MGD

**Delivered For Groundwater Recharge**

<table>
<thead>
<tr>
<th>Source</th>
<th>Delivered</th>
<th>AFM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storm/Local Runoff</td>
<td>0.9 MGD</td>
<td>82 AFM</td>
</tr>
<tr>
<td>Imported Water</td>
<td>0 MGD</td>
<td>0 AFM</td>
</tr>
<tr>
<td>Recycled Water</td>
<td>18.5 MGD</td>
<td>1,761 AFM</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>19.4 MGD</td>
<td>1,843 AFM</td>
</tr>
</tbody>
</table>

**Creek Discharges**

<table>
<thead>
<tr>
<th>Source</th>
<th>Delivered</th>
<th>AFM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prado Park (001)</td>
<td>2.0 MGD</td>
<td>190 AFM</td>
</tr>
<tr>
<td>RP-1 (002)</td>
<td>4.2 MGD</td>
<td>400 AFM</td>
</tr>
<tr>
<td>RP-5 (003)</td>
<td>1.1 MGD</td>
<td>104 AFM</td>
</tr>
<tr>
<td>CCWRF (004)</td>
<td>1.3 MGD</td>
<td>124 AFM</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>8.6 MGD</td>
<td>818 AFM</td>
</tr>
</tbody>
</table>
Recycled Water Recharge Deliveries - May 2022 (Acre-Feet)

<table>
<thead>
<tr>
<th>Basin</th>
<th>5/1-5/7</th>
<th>5/8-5/14</th>
<th>5/15-5/21</th>
<th>5/21-5/31</th>
<th>Month Actual</th>
<th>FY To Date Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ely</td>
<td>31.5</td>
<td>38.8</td>
<td>68.5</td>
<td>40.8</td>
<td>179.6</td>
<td>693</td>
</tr>
<tr>
<td>Banana</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>578</td>
</tr>
<tr>
<td>Hickory</td>
<td>33.6</td>
<td>33.5</td>
<td>8.0</td>
<td>27.3</td>
<td>102.4</td>
<td>971</td>
</tr>
<tr>
<td>Turner 1 &amp; 2</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>628</td>
</tr>
<tr>
<td>Turner 3 &amp; 4</td>
<td>17.2</td>
<td>37.9</td>
<td>12.0</td>
<td>0.0</td>
<td>67.1</td>
<td></td>
</tr>
<tr>
<td>8th Street</td>
<td>87.2</td>
<td>36.0</td>
<td>2.5</td>
<td>116.9</td>
<td>242.6</td>
<td>2288</td>
</tr>
<tr>
<td>Brooks</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>550</td>
</tr>
<tr>
<td>RP3</td>
<td>71.5</td>
<td>68.1</td>
<td>88.6</td>
<td>89.8</td>
<td>316.0</td>
<td>4545</td>
</tr>
<tr>
<td>Declez</td>
<td>0.0</td>
<td>0.0</td>
<td>35.5</td>
<td>38.2</td>
<td>73.7</td>
<td>703</td>
</tr>
<tr>
<td>Victoria</td>
<td>101.5</td>
<td>98.8</td>
<td>117.6</td>
<td>121.6</td>
<td>439.5</td>
<td>1876</td>
</tr>
<tr>
<td>San Sevaine</td>
<td>69.5</td>
<td>68.0</td>
<td>90.2</td>
<td>112.8</td>
<td>340.5</td>
<td>3133</td>
</tr>
<tr>
<td>Total</td>
<td>342.5</td>
<td>313.1</td>
<td>330.7</td>
<td>434.6</td>
<td>1781.4</td>
<td>15,963</td>
</tr>
</tbody>
</table>

Deliveries are draft until reported as final and do not include evaporative losses.

![Graph 1](image1.png)

![Graph 2](image2.png)
TECHNICAL COMMITTEE ITEMS DISTRIBUTED

4A
Date: June 14, 2022

To: Regional Technical Committee

From: Eddie Lin, Senior Engineer
IEUA – Department of Planning & Resources

Subject: Notice of Availability of Recycled Water as Groundwater Recharge (FY21-22)

The City of Chino elected to forgo their fiscal year 2021-22 share of groundwater recharge. If your Agency is interested in acquiring any portion of the available groundwater recharge, please notify IEUA by **Tuesday, June 28, 2022**. The available recharge will be allocated to the interested Agencies by an adjusted regional flow contribution pro rata share basis.

The amount of available recycled water recharge (in AF) through March 2022 for FY 21-22 is provided in the table below for reference:

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>EDU’s FY 2020-21</th>
<th>PRO RATA SHARE OF REGIONAL FLOW (%)</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Current Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chino</td>
<td>380,959</td>
<td>10.76</td>
<td>130.1</td>
<td>149.2</td>
<td>192.7</td>
<td>212.9</td>
<td>180.0</td>
<td>73.8</td>
<td>153.5</td>
<td>160.5</td>
<td>132.5</td>
<td>1,385.3</td>
</tr>
</tbody>
</table>

Based on recharge data thus far, the total amount of recycled water that may be available for purchase as groundwater recharge in storage for FY 21-22 is estimated to be in the 1,600-1,800 AF range. Please note, the total amount of recharge that will be available for purchase at the end of the FY will depend on such factors as: available recycled water for groundwater recharge, climate conditions, and available basin capacity. The recycled water recharge will be invoiced at the FY 21-22 recycled water groundwater recharge rate of $580/AF.

Please contact Eddie Lin at elin@ieua.org for any additional information.