Regional Sewerage Program Technical Committee Meeting

AGENDA
Thursday, January 27, 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-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 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

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.

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

(Continued)
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 November 29, 2021 Special Technical Committee Meeting Minutes
   B. Request by the City of Chino for a Regional Sewage Connection at Chino Parkway and Serenity Trails (#C-45)

2. Informational Items
   A. Rialto Water Principles Agreement
   B. Recycled Water Cost of Service Study
   C. Engineering Quarterly Project Update
   D. Groundwater Recharge Update
   E. Operations Quarterly Division Quarterly Update
   F. Return to Sewer Study (Oral)
   G. 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
   None

5. Other Business
   A. IEUA General Manager’s Update
   B. Committee Member Requested Agenda Items for Next Meeting
   C. Committee Member Comments
   D. Next Regular Meeting – February 24, 2022

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, Laura Mantilla, 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.
CALL TO ORDER
A special meeting of the IEUA/Regional Sewerage Program – Technical Committee was held via teleconference on Thursday, November 29, 2021. Committee Chair Nicole deMoet/City of Upland called the meeting to order at 2:04 p.m. Recording Secretary Laura Mantilla took roll call and established a quorum was present.

ATTENDANCE via Teleconference

COMMITTEE MEMBERS PRESENT:

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dave Crosley</td>
<td>City of Chino</td>
</tr>
<tr>
<td>Ron Craig</td>
<td>City of Chino Hills</td>
</tr>
<tr>
<td>Eduardo Espinoza</td>
<td>Cucamonga Valley Water District (CVWD)</td>
</tr>
<tr>
<td>Abigail Gomez</td>
<td>City of Fontana</td>
</tr>
<tr>
<td>Courtney Jones</td>
<td>City of Ontario</td>
</tr>
<tr>
<td>Nicole deMoet</td>
<td>City of Upland</td>
</tr>
<tr>
<td>Christiana Daisy</td>
<td>Inland Empire Utilities Agency (IEUA)</td>
</tr>
</tbody>
</table>

ABSENT:

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monica Heredia</td>
<td>City of Montclair</td>
</tr>
</tbody>
</table>

OTHERS PRESENT:

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amanda Coker</td>
<td>City of Chino</td>
</tr>
<tr>
<td>Christopher Quach</td>
<td>City of Ontario</td>
</tr>
<tr>
<td>Braden Yu</td>
<td>City of Upland</td>
</tr>
<tr>
<td>Kathy Besser</td>
<td>Inland Empire Utilities Agency</td>
</tr>
<tr>
<td>Christina Valencia</td>
<td>Inland Empire Utilities Agency</td>
</tr>
<tr>
<td>Javier Chagoyen-Lazaro</td>
<td>Inland Empire Utilities Agency</td>
</tr>
<tr>
<td>Jerry Burke</td>
<td>Inland Empire Utilities Agency</td>
</tr>
<tr>
<td>Don Hamlett</td>
<td>Inland Empire Utilities Agency</td>
</tr>
<tr>
<td>Elizabeth Hurst</td>
<td>Inland Empire Utilities Agency</td>
</tr>
<tr>
<td>Eddie Lin</td>
<td>Inland Empire Utilities Agency</td>
</tr>
<tr>
<td>Ryan Love</td>
<td>Inland Empire Utilities Agency</td>
</tr>
</tbody>
</table>
OTHERS PRESENT (continued):

<table>
<thead>
<tr>
<th>Name</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laura Mantilla</td>
<td>Inland Empire Utilities Agency</td>
</tr>
<tr>
<td>Jason Marseilles</td>
<td>Inland Empire Utilities Agency</td>
</tr>
<tr>
<td>Matt Poeske</td>
<td>Inland Empire Utilities Agency</td>
</tr>
<tr>
<td>Jeanina Romero</td>
<td>Inland Empire Utilities Agency</td>
</tr>
<tr>
<td>Frank Sotomayer</td>
<td>Inland Empire Utilities Agency</td>
</tr>
<tr>
<td>Ken Tam</td>
<td>Inland Empire Utilities Agency</td>
</tr>
<tr>
<td>Teresa Velarde</td>
<td>Inland Empire Utilities Agency</td>
</tr>
</tbody>
</table>

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 OCTOBER 28, 2021 TECHNICAL COMMITTEE MEETING MINUTES

   **Motion:** By Dave Crosley/City of Chino and seconded by Eduardo Espinoza/CVWD to approve the meeting minutes of the October 28, 2021, Regional Technical Committee meeting by the following vote:

   - Ayes: Crosley, Espinoza, Craig, Gomez, Daisy, Jones, deMoet
   - Noes: None
   - Absent: Heredia
   - Abstain: None

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

   B. &C. APPROVAL OF THE SEWER CONNECTION C-44 TO THE WESTSIDE INTERCEPTOR REQUEST BY THE CITY OF CHINO AND APPROVAL OF THE SEWER CONNECTION F-32 TO THE ETIWANDA TRUNK SEWER REQUEST BY THE CITY OF FONTANA

   Jerry Burke/IEUA provided the background and recommendation on two sewer connection requests received from the City of Chino (Sewer Connection #C-44) and the City of Fontana (Sewer Connection #F-32).

   **Motion:** By Eduardo Espinoza/CVWD and seconded by Dave Crosley/City of Chino to approve the Sewer Connection (C-44) to the Westside Interceptor request by the City of Chino and approve the Sewer Connection (F-32) to the Etiwanda Trunk sewer request by the City of Fontana by the following vote:

   - Ayes: Crosley, Espinoza, Craig, Gomez, Daisy, Jones, deMoet
   - Noes: None
   - Absent: Heredia
   - Abstain: None

   The motion passed by a vote of 7 ayes, 0 noes, 0 abstain, and 1 absent.
2. INFORMATIONAL ITEMS
   A. RETURN TO SEWER STUDY
      Ken Tam/IEUA provided an update on the Return to Sewer Study. He reported that Data Collaborative continues to perform analysis on the data from the City of Chino and City of Fontana and CVWD. Once the data is available, a meeting will be scheduled with the subgroup to review the results in December.

   B. OPERATIONS & COMPLIANCE UPDATES
      Ken Tam/IEUA reported that the southern service area experienced another foaming disruption at the Carbon Canyon Facility on November 24, 2021. IEUA and the City of Chino’s Source Control team performed site inspections at two industries that potentially could have caused the foaming and did not find any evidence from either of those facilities. He noted that the facility that caused the foaming in September 2021, completed the necessary facility upgrades and staff training. Staff will continue to investigate and gather information from those facilities and monitor the downstream of those facilities. Mr. Tam thanked the City of Chino Source Control staff for working with IEUA on this matter.

3. RECEIVE AND FILE
   A. DRAFT REGIONAL SEWERAGE PROGRAM POLICY COMMITTEE MEETING
   B. BUILDING ACTIVITY REPORT
   C. RECYCLED WATER DISTRIBUTION – OPERATIONS SUMMARY
   D. ANNUAL REPORTS (10-YEAR GROWTH FORECAST, RECYCLED WATER & ENERGY)

      Items 3A through 3D were received and filed by the Committee.

4. TECHNICAL COMMITTEE ITEMS DISTRIBUTED
   There were no items distributed.

5. OTHER BUSINESS
   A. IEUA GENERAL MANAGER’S UPDATE
      Christiana Daisy/IEUA stated that during the last Technical Committee meeting, a request was received for an action item to consider the extension of the Kearns & West Regional Contract Facilitation services. The contract is set to expire at the end of December 2021. There is $236,970 of the budget remaining on the contract. IEUA reached out to Mike Harty of Kearns & West to request feedback on his interest in continuing to provide facilitation services. Mr. Harty agreed to continue as a facilitator for as long as both the contracting agencies and IEUA find his services valuable. There was a consensus from the contracting agencies and IEUA that the facilitation service provided by Kearns & West is important to support the negotiation process. IEUA will proceed to extend the facilitation contract through June 30, 2022.

   B. COMMITTEE MEMBER REQUESTED AGENDA ITEMS FOR NEXT MEETING
      Ron Craig/City of Chino Hills requested the latest status of the CASA Study. Mr. Tam stated he will follow up and provide the latest update.
C. COMMITTEE MEMBER COMMENTS
   There were no member comments.

D. NEXT MEETING – DECEMBER 30, 2021
   Chair deMoet stated that there are no action items for the December meeting and asked the Committee if they desire to hold the December meeting or cancel. The Committee agreed to cancel the December 30 meeting.

ADJOURNMENT – Chair deMoet adjourned the meeting at 2:22 p.m.

Prepared by:

____________________________
Laura Mantilla, Recording Secretary
ACTION ITEM
1B
Date: January 27, 2022
To: Regional Technical Committee
From: Inland Empire Utilities Agency
Subject: Request by the City of Chino for a Regional Connection Point to the Chino Trunk Interceptor Chino Regional Sewer Connection # C-45 (Project No. EN0000000104)

RECOMMENDATION

It is recommended that the Regional Technical Committee approve the request by the City of Chino for one new connection point to the Chino Trunk Interceptor (Chino Regional Sewer Connection # C-45) contingent upon:

1. Collection of permit and hydraulic modeling fees; and,
2. The City of Chino providing the LAFCO approved resolution ratifying the Irrevocable Agreement to Annex the noted area for sewer service.

BACKGROUND

In April of 2021, the Inland Empire Utilities Agency (IEUA) received a request from the City of Chino to evaluate impacts to the Regional Sewerage System due to the annexation of the Serenity Trails development to the City of Chino.

A request dated January 18, 2022 (Attachment “A”), has been provided, based on previous correspondence between the City, Developer, and IEUA, for connection of the Summerland Senior Living Development (Development), located at 13225 Serenity Trail in the City’s sphere of influence. This development consists of a 109 unit assisted living/memory care facility and requires approval for a new regional connection to the Chino Trunk Interceptor at Station 35+67.24 through a tie-in to an existing manhole on the 24-inch interceptor.

The Average Dry Weather Flow (ADWF) was provided by the City for the proposed development and they were utilized to evaluate the impact on the Regional Interceptors.

SUMMARY OF FLOW RATES UTILIZED

Chino Regional Connection C-45:
- Average Dry Weather Flow (ADWF) Rate = 0.057 MGD
- Peak Dry Weather Flow (PDWF) Rate = 0.136 MGD
- Peak Wet Weather Flow (PWWF) Rate = 0.184 MGD

The hydraulic model was used to evaluate the capacity of the Chino Trunk Interceptor and the interceptors downstream. The projected total PWWF with Serenity Trail will be 1.094 MGD. This is less than the maximum capacity of 1.11 MGD in the Chino Trunk Interceptor at the downstream limiting 15” pipeline/siphon. The analysis indicates that the downstream sewer(s) has/have sufficient capacity to convey...
Chino and Chino Hills flows plus the Serenity Trail development and downstream. Under PDWF conditions, the pipe will be less than half full.
ATTACHMENT A
City of Chino Regional Interceptor Request
Dated January 18, 2022
January 18, 2022

Mr. Matthew A. Poeske, PE
Senior Engineer
Inland Empire Utilities Agency
6075 Kimball Avenue
Chino, CA 91708

Subject: Sewer Connection to existing 24" IEUA sewer Chino Avenue Sewer Connector No. SB-2 at Station 35+67.24 for the Serenity Trail Sewer Project

Dear Mr. Poeske:

The Summerland Senior Living located at 13225 Serenity Trail in the City’s sphere of influence consists of a 109 unit assisted living/memory care facility.

Recently, the owner requested that the project be allowed to connect to the City’s sanitary sewer system as a better long-term solution than constructing an on-site septic system. In exchange for allowing sewer service connection, the owner agreed to provide additional sewer line infrastructure beyond the normally required amount along the project’s frontage to serve the broader area moving into the future. It was determined that the sewer main extension in Serenity Trail would be extended further north to the end of the cul-de-sac located at the intersection with Hillview Drive North (as shown on the attached location map) for the proposed sewer extension limits in Serenity Trail. There is capacity in the existing sewer line in Chino Avenue to the south to accommodate the project and the additional flow estimated from added sewer infrastructure along Serenity Trail.

The property owners have executed an Irrevocable Agreement to Annex, as amended, with the City for said property. With the adoption of Resolution No. 2021-083, the City Manager was authorized to execute the Local Agency Formation Commission ("LAFCO") Application for Extension of Service by Contract. The proposed hearing date is February 16, 2022 and upon approval by LAFCO, the City of Chino will provide the approved resolution ratifying the Irrevocable Agreement to Annex for Sewer to IEUA.

Consequently, the City is hereby formally requesting “one” new point of connection for this development and future development along Serenity Trail. The connection is a new 8” public sewer main to the existing IEUA sewer manhole. The sewer main’s point of connection to the existing manhole is located at Station 35+67.24 on sheet 4 of approved Sewer Plan Chino Avenue Sewer Connector No. SB-2.

The peak wastewater flows included in the sewer study provided by Huitz-Zollars on behalf of Summerland Chino MGR, LLC are summarized below:
Calculated Flows Summerland Senior Living Development:

1. The estimated average outflow is 30,250 gallons per day
2. The estimated maximum outflow is 84,700 gallons per day

Calculated Tributary Flows:

1. Average Dry Weather Flow (ADWF) = 0.057 million gallons per day
2. Peak Wet Weather Flow (PWWF) = 0.184 million gallons per day

If you should need any further information, please feel free to contact Sylvia Ramos, Associate Engineer at (909) 334-3418.

Sincerely,

[Signature]

Amer Jakher
Director of Public Works, Acting City Engineer
To Whom it May Concern,

The following table is a total calculation of all the water fixture units (WFU) and drainage fixture units (DFU) for the Summerland Assisted Living building.

<table>
<thead>
<tr>
<th>UNIT TYPE</th>
<th>QTY</th>
<th>DOMESTIC WATER</th>
<th>DRAINAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>COLD WATER Fixture Units (CMFU)</td>
<td>TOTAL COLD WATER Demand (CMFU)</td>
</tr>
<tr>
<td>UNIT PLAN 1 (RESIDENCE)</td>
<td>83</td>
<td>7.0</td>
<td>581.0</td>
</tr>
<tr>
<td>PLAN 2 (RESIDENCE)</td>
<td>3</td>
<td>125</td>
<td>315.5</td>
</tr>
<tr>
<td>MEMORY CARE UNIT</td>
<td>8</td>
<td>55</td>
<td>44.0</td>
</tr>
<tr>
<td>SEMI PRIVATE MEMORY CARE UNIT</td>
<td>20</td>
<td>6.5</td>
<td>130.0</td>
</tr>
<tr>
<td>RESIDENTIAL LAUNDRY ROOM PLAN 1</td>
<td>6</td>
<td>4.5</td>
<td>51.0</td>
</tr>
<tr>
<td>RESIDENTIAL LAUNDRY ROOM PLAN 2</td>
<td>1</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>COMMERCIAL KITCHEN &amp; LAUNDRY</td>
<td>1</td>
<td>245</td>
<td>29.5</td>
</tr>
<tr>
<td>BISTRO KITCHEN</td>
<td>1</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>THEATER</td>
<td>1</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>MC ACTIVITY ROOM</td>
<td>1</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>COUNTRY KITCHEN &amp; SERVERY</td>
<td>1</td>
<td>2.5</td>
<td>2.5</td>
</tr>
<tr>
<td>SALON</td>
<td>1</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>ARTS &amp; CRAFTS KITCHEN</td>
<td>1</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>MOP SINKS (HOUSE KEEPING)</td>
<td>10</td>
<td>3</td>
<td>30.0</td>
</tr>
<tr>
<td>RESTROOMS</td>
<td>1</td>
<td>3.5</td>
<td>24.5</td>
</tr>
<tr>
<td>MEDICINE ROOM</td>
<td>3</td>
<td>1.0</td>
<td>3.0</td>
</tr>
<tr>
<td>HOSE BIBB</td>
<td>1</td>
<td>2.5</td>
<td>2.5</td>
</tr>
<tr>
<td>HOSEBIBB (EACH ADDITIONAL)</td>
<td>4</td>
<td>1.0</td>
<td>4.0</td>
</tr>
<tr>
<td>TOTAL FIXTURE UNITS</td>
<td>963.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EQUIVALENT WATER DEMAND IN GPM</td>
<td>203</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REQUIRED MINIMUM PIPE SIZE</td>
<td>4&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Steve Sheffield, PE
Project Engineer
IMPROVEMENT PLANS FOR
PARCEL MAP NO. 10048
IN THE COUNTY OF SAN BERNARDINO
FOR THE CONSTRUCTION OF
CHINO AVE. SEWER IMPROVEMENTS

CONSTRUCTION NOTES & ESTIMATE OF QUANTITIES

GENERAL NOTES

NOTICE TO CONTRACTORS:

All contractors and subcontractors performing work shown or related
to these plans shall execute a contract providing that all employees
shall be paid at least the prevailing wage rates as determined
before starting work. The contractor, further assumes all liability and
will indemnify the City of Chino and the City’s agents for liability
caused by any claim for injury to persons or property, and for damage
to public and private property. The contractor shall have and maintain
the following insurance:

1. WORKMEN’S COMPENSATION INSURANCE (C A J):
   C A J:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
   D D D:
(CIPP) Fiberglass Liner 5/2014 Per D47/13
ATTACHMENT B
General Location for Connection C-45
ATTACHMENT B – General Location
INFORMATION ITEM

2A
Date: January 27, 2022

To: Regional Technical Committee

From: Inland Empire Utilities Agency

Subject: City of Rialto Principles of Agreement

**RECOMMENDATION**

This is an information item.

**BACKGROUND**

To meet Chino Basin water quality objectives and wastewater permit compliance requirements, Inland Empire Utilities Agency (IEUA) is planning an advanced water purification facility (AWPF) located at Regional Plant No. 4 (RP-4) which requires a constant monthly recycled water supply for its operation. Due to the seasonality of IEUA’s recycled water, the AWPF needs augmented recycled water supplies when the demands are higher than the available supplies during the six months between May and October. The City of Rialto (Rialto) is interested in monetizing its recycled water to achieve ecosystem benefits and financial security and is amenable to engage in a partnership with IEUA to develop terms for their recycled water supplies. The removal of effluent flows generated from Rialto’s treatment plant from the Santa Ana River will reduce the adverse impacts to native species and a portion of these flows would serve as part of the RP-4 AWPF supply.

The principles of agreement were drafted to consolidate the needs of both IEUA and Rialto. The proposed terms include the design and construction of the recycled water facilities, the diversion of 3,500 acre-feet per year (afy) between May and October into the IEUA recycled water system at a rate of $275 per acre-foot for a period of 50 years, and the first right of purchase for any amount above the 3,500 afy or the remaining six months.

IEUA will present this item to the Board of Directors as an action item in February 2022. Rialto will present it to their City Council for approval in February 2022.
INFORMATION
ITEM
2B
Recycled Water Cost of Service Study

Eddie Lin
Strategic Planning and Resources
January-February 2022
Recycled Water Rate Study Goals

• Financial Resilience
  — Promote the resiliency and sustainability of the recycled water and recharge program

• Proportionality
  — Appropriately recover costs based on the services provided, equity, and affordability

• Collaboration
  — Employ an open, collaborative, and transparent public process

• Compliance with California Law
  — Ensure that rates adhere to State legal requirements.
Recycled Water Rate Study
Fixed Cost Recovery

• Developing fixed cost recovery structure
  — Projected recycled water supply:
    • 56,000 acre-ft per year
  — Projected demand assumptions:
    • Direct use = 18,000 acre-ft per year
    • Recharge = 16,000 acre-ft per year

• Seven rate structures considered, narrowed down to three
  — Option B: Fixed charge based on Equivalent Dwelling Units (EDUs)
  — Option C: Fixed charge based on 3-year rolling average demands
  — Option D: Fixed charge based on 3-year rolling average (direct) and EDUs (recharge)
Recycled Water Rate Study
Structure Options

Recycled Water Revenues by Agency
Based on FYE 2023 Revenue Requirements

- Current Structure (100% Variable)
- Option B
- Option C
- Option D

Bar chart showing the revenues for different agencies and options.
Recycled Water Rate Study Milestones

April 2021
Kickoff Meeting with Consultant

January 2022
Update to Board, Technical Committee and Policy Committee

July 1, 2022
Implement new rate

Member Agencies Meetings/Workshops

- June 2021: Workshop 1
- August 2021: Workshop 2
- November 2021: Workshop 3

Refine as needed based on additional input and Board direction
INFORMATION ITEM

2C
Engineering and Construction Management Quarterly Project Updates Regional Tech/Policy Committees

Jason Marseilles, P.E.
Manager of Engineering
January/February 2022
Project Location Map
Collection System Asset Management
Project Goal: Maintain Existing Assets

Total Project Budget: $3.7 M
Project Completion: September 2022
Condition Assessment Percent Complete: 25%

<table>
<thead>
<tr>
<th>Phase</th>
<th>Consultant/Contractor</th>
<th>Current Contract</th>
<th>Amendments/Change Orders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Condition Assessment</td>
<td>CDM Smith</td>
<td>$2.9 M</td>
<td>2%</td>
</tr>
</tbody>
</table>

Project Management Team

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Manager</td>
<td>Ignacio, Joel</td>
</tr>
<tr>
<td>Assistant/Associate Engineer</td>
<td>Ward, Ryan</td>
</tr>
<tr>
<td>Administrative Assistant</td>
<td>GK &amp; Associates</td>
</tr>
<tr>
<td>Inspector</td>
<td>GK &amp; Associates</td>
</tr>
</tbody>
</table>
RP-1 Old Effluent Structure Rehabilitation
Project Goal: Rehabilitate/Repair Existing Assets

Total Project Budget: $1.5M
Project Completion: March 2024
Design Percent Complete: 30%

<table>
<thead>
<tr>
<th>Phase</th>
<th>Consultant/Contractor</th>
<th>Current Contract</th>
<th>Amendments/Change Orders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Design (Current)</td>
<td>GHD</td>
<td>$56k</td>
<td>0%</td>
</tr>
<tr>
<td>Construction</td>
<td>TBD</td>
<td>$0</td>
<td>0%</td>
</tr>
</tbody>
</table>

Project Management Team

Project Manager: Zughbi, Jamal
Assistant/Associate Engineer: Ferrer, Karen
Administrative Assistant: Wood & Associates
Inspector: TBD
RP-4 Chlorine Contact Basin Cover Repair &
RW Wet Well Passive Overflow Line
Project Goal: Rehabilitate/Repair Existing Assets and Improve Safety

Total Project Budget: $4.3M
Project Completion: September 2023
Design Percent Complete: 10%

<table>
<thead>
<tr>
<th>Phase</th>
<th>Consultant/Contractor</th>
<th>Current Contract</th>
<th>Amendments/Change Orders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Design (Current)</td>
<td>GHD</td>
<td>$144k</td>
<td>0%</td>
</tr>
<tr>
<td>Construction</td>
<td>TBD</td>
<td>$0</td>
<td>0%</td>
</tr>
</tbody>
</table>

Project Management Team

- **Project Manager:** Zughbi, Jamal
- **Assistant/Associate Engineer:** Tao, Justin
- **Administrative Assistant:** Wood & Associates
- **Inspector:** TBD
INFORMATION
ITEM
2D
Recycled Water Groundwater Recharge Update

Andy Campbell, PG, CHG
GWR Coordinator/Hydrogeologist
December 2021
Accumulated Monthly Recharge By Source

- Stormwater
- Recycled Water

Graphs showing the accumulated monthly recharge by source from FY05/06 to FY21/22.
October Rainfall – Light Rain-First Flush

Rainfall October 2021

- 0.26” Received
- 0.41” Normal
Groundwater Recharge Deliveries Past 12 Months

<table>
<thead>
<tr>
<th>Month</th>
<th>MWD and other Imported Water</th>
<th>Stormwater and LR (excluded Non-Replenishment)</th>
<th>Recycled Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 2020</td>
<td>1,498</td>
<td>290</td>
<td>1,749</td>
</tr>
<tr>
<td>Sep 2020</td>
<td>542</td>
<td>1,090</td>
<td>1,528</td>
</tr>
<tr>
<td>Oct 2020</td>
<td>25</td>
<td>1,758</td>
<td>868</td>
</tr>
<tr>
<td>Nov 2020</td>
<td>76</td>
<td>227</td>
<td>891</td>
</tr>
<tr>
<td>Dec 2020</td>
<td>0</td>
<td>1,063</td>
<td>849</td>
</tr>
<tr>
<td>Jan 2021</td>
<td>0</td>
<td>93</td>
<td>1,350</td>
</tr>
<tr>
<td>Feb 2021</td>
<td>0</td>
<td>134</td>
<td>1,274</td>
</tr>
<tr>
<td>Mar 2021</td>
<td>2</td>
<td>185</td>
<td>1,311</td>
</tr>
<tr>
<td>Apr 2021</td>
<td>108</td>
<td>209</td>
<td>1,209</td>
</tr>
<tr>
<td>May 2021</td>
<td>69</td>
<td>118</td>
<td>1,387</td>
</tr>
<tr>
<td>Jun 2021</td>
<td>33</td>
<td>96</td>
<td>1,791</td>
</tr>
<tr>
<td>Jul 2021</td>
<td>26</td>
<td>162</td>
<td>1,979</td>
</tr>
</tbody>
</table>
# Groundwater Recharge Annual History

<table>
<thead>
<tr>
<th></th>
<th>FY 05/06</th>
<th>FY 06/07</th>
<th>FY 07/08</th>
<th>FY 08/09</th>
<th>FY 09/10</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>
</tr>
</thead>
<tbody>
<tr>
<td>MWD and Other Imported Water</td>
<td>33,704</td>
<td>32,968</td>
<td>-</td>
<td>-</td>
<td>5,000</td>
<td>9,465</td>
<td>22,560</td>
<td>-</td>
<td>795.4</td>
<td>-</td>
<td>-</td>
<td>12,129</td>
<td>34,123</td>
<td>6,786</td>
<td>18,776</td>
<td>2,265</td>
<td>235.8</td>
</tr>
<tr>
<td>Stormwater and LR (excludes Non-Repl.)</td>
<td>12,999</td>
<td>4,770</td>
<td>10,243</td>
<td>7,494</td>
<td>14,274</td>
<td>17,051</td>
<td>9,266</td>
<td>5,298</td>
<td>4,299</td>
<td>7,996</td>
<td>9,233</td>
<td>11,574</td>
<td>4,494</td>
<td>12,861</td>
<td>9,966</td>
<td>4,910</td>
<td>505.9</td>
</tr>
<tr>
<td>Recycled Water</td>
<td>1,303</td>
<td>2,988</td>
<td>2,340</td>
<td>2,684</td>
<td>7,210</td>
<td>8,065</td>
<td>8,634</td>
<td>10,479</td>
<td>13,593</td>
<td>10,840</td>
<td>13,222</td>
<td>13,934</td>
<td>13,510</td>
<td>11,542</td>
<td>13,380</td>
<td>16,252</td>
<td>6,370</td>
</tr>
</tbody>
</table>

Delivered Recharge Water Source (Acre-feet)
Upcoming Recharge Activities

- November, December - Watermaster Replenishment Obligation 2,077 AF
- November – Etiwanda Debris Basin Burrowing Owl Weep hole Exclusion
- December – Etiwanda Debris Basin Infiltration Restoration
- January – RP3 and Lower Day RMPU Project Operation
- Spring Infiltration Restoration Sites – Lower Day
- Spring Basin Fill Removal – Magnolia Channel Basin
Recycled Water (RW) Demand History

Thru Sept.
IEUA Incident Rates vs. Industry & Total Recordable Injuries

* Estimated incident rate based on past December hours worked
Beginning October 2021, Monthly Cybersecurity training courses were assigned to all staff. Each approximately 15 minutes in length, user security awareness concepts including social engineering, web safety, and technology tips are introduced and reinforced.

<table>
<thead>
<tr>
<th>Staff Engagement</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Your training completion rate</strong></td>
</tr>
<tr>
<td><strong>Your completion rate</strong></td>
</tr>
<tr>
<td>Industry average completion rate</td>
</tr>
<tr>
<td><strong>Your average learner training time</strong></td>
</tr>
<tr>
<td>Average time per learner (minutes)</td>
</tr>
<tr>
<td><strong>Your on time completion</strong></td>
</tr>
<tr>
<td>On-time completion</td>
</tr>
<tr>
<td>Late completion</td>
</tr>
</tbody>
</table>
Q3 Goals

• **HQA Firewall Upgrade**
  — Increased capacity
  — Improved security

• **Cloud Migration SAP Non-Production**
  — Increased Flexibility
  — Secure Access for development team
  — Rapid deployment
  — Proof of concept

• **Contract Incident Response Retainer**
  — Cybersecurity program review
  — Risk modeling
  — Dedicated Rapid Response
SmartCover Technology Update
IERCF Reliability Update

• Using laser to digitally align pullies and bearings
• Procured loaders engineered specifically for the waste sector
  — Corrosion resistant
  — Sealed cabs
  — Center-mounted radiator
  — Heavy-duty pins
  — Increased visibility

Industrial wheel loaders
Laser alignment tool
RECEIVE AND FILE

3A
Regional Sewerage Program
Policy Committee Meeting

AGENDA
Thursday, February 3, 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%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 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
1. Technical Committee Report *(Oral)*

2. Action Item
   A. Approval of November 4, 2021 Policy Committee Meeting Minutes

3. Informational Items
   A. Regional Contract Negotiation Update *(Oral)*
   B. Rialto Water Principles Agreement
   C. Recycled Water Cost of Service Study
   D. Engineering Quarterly Update
   E. Groundwater Recharge Update
   F. Operations Division Quarterly Update

4. Receive and File
   A. Building Activity Report
   B. Recycled Water Distribution – Operations Summary
   C. Revised Annual FY 2020-21 Reports

5. Policy Committee Items Distributed
   None

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 – March 3, 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](http://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.
BAR Note:
*Ontario data does not include November values. Ontario CCRA balance and October data is currently pending review.
receive and file

3c
**IEUA RECYCLED WATER DISTRIBUTION – DECEMBER 2021**

**TOTAL ALL PLANTS**
- Influent: 53.7 MGD
- Delivered: 17.6 MGD
- Percent Delivered: 33%

**Preliminary Deliveries**
- RW GWR: 7.2 MGD
- RW Direct Use: 10.4 MGD

**RP-4**
- Delivered: 6.8 MGD

**RP-1**
- Delivered: 5.9 MGD

**CCWRF**
- Delivered: 3.0 MGD

**RP-5**
- Delivered: 1.9 MGD

**Delivered For Groundwater Recharge**
- Storm/Local Runoff: 59.2 MGD 5,637 AFM
- Imported Water: 0.1 MGD 13 AFM
- Recycled Water: 7.2 MGD 686 AFM
- Total: 66.5 MGD 6,336 AFM

**Creek Discharges**
- Prado Park (001): 3.1 MGD 295 AFM
- RP-1 (002): 24.6 MGD 2,341 AFM
- RP-5 (003): 6.4 MGD 609 AFM
- CCWRF (004): 5.2 MGD 495 AFM
- Total: 39.3 MGD 3,740 AFM
<table>
<thead>
<tr>
<th>Basin</th>
<th>12/1-12/4</th>
<th>12/5-12/11</th>
<th>12/12-12/18</th>
<th>12/19-12/25</th>
<th>12/26-12/31</th>
<th>Month Actual</th>
<th>FY To Date Actual</th>
<th>Lost RW due to Storm Flow:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ely</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>355</td>
<td>Lost RW due to Storm Flow: 221.2 AF</td>
</tr>
<tr>
<td>Banana</td>
<td>0.0</td>
<td>1.9</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>1.9</td>
<td>367</td>
<td>Lost RW due to Storm Flow: 16.6 AF</td>
</tr>
<tr>
<td>Hickory</td>
<td>5.2</td>
<td>2.6</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>7.8</td>
<td>611</td>
<td>Lost RW due to Storm Flow: 37.6 AF</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>0.0</td>
<td>401</td>
<td>Lost RW due to Storm Flow: 0.0 AF</td>
</tr>
<tr>
<td>Turner 3 &amp; 4</td>
<td>23.1</td>
<td>10.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>33.1</td>
<td></td>
<td>Lost RW due to Storm Flow: 0.0 AF</td>
</tr>
<tr>
<td>8th Street</td>
<td>52.1</td>
<td>50.8</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>102.9</td>
<td>1102</td>
<td>Lost RW due to Storm Flow: 15.2 AF</td>
</tr>
<tr>
<td>Brooks</td>
<td>20.6</td>
<td>6.4</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>27.0</td>
<td>479</td>
<td>Lost RW due to Storm Flow: 0.0 AF</td>
</tr>
<tr>
<td>RP3</td>
<td>84.9</td>
<td>111.1</td>
<td>46.0</td>
<td>41.2</td>
<td>0.0</td>
<td>283.2</td>
<td>2946</td>
<td>Lost RW due to Storm Flow: 0.0 AF</td>
</tr>
<tr>
<td>Declez</td>
<td>0.3</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.3</td>
<td>487</td>
<td>Lost RW due to Storm Flow: 53.9 AF</td>
</tr>
<tr>
<td>Victoria</td>
<td>28.1</td>
<td>26.2</td>
<td>19.7</td>
<td>22.3</td>
<td>0.0</td>
<td>96.3</td>
<td>477</td>
<td>Lost RW due to Storm Flow: 0.0 AF</td>
</tr>
<tr>
<td>San Sevaine</td>
<td>34.5</td>
<td>56.7</td>
<td>8.1</td>
<td>30.4</td>
<td>3.4</td>
<td>133.1</td>
<td>1501</td>
<td>Lost RW due to Storm Flow: 0.0 AF</td>
</tr>
<tr>
<td>Total</td>
<td>248.8</td>
<td>265.7</td>
<td>73.8</td>
<td>93.9</td>
<td>3.4</td>
<td>685.6</td>
<td></td>
<td>Total RW lost due to Dec. storms: 344.0 AF</td>
</tr>
</tbody>
</table>

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