Recommendation

- Receive and file
## Other Brine Line Statistics

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Quantity</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow</td>
<td>4,025</td>
<td>Million Gallons</td>
</tr>
<tr>
<td>Biochemical Oxygen Demand</td>
<td>527</td>
<td>Tons</td>
</tr>
<tr>
<td></td>
<td>1,054,000</td>
<td>lbs</td>
</tr>
<tr>
<td>Total Suspended Solids</td>
<td>1,336</td>
<td>Tons</td>
</tr>
<tr>
<td></td>
<td>2,672,000</td>
<td>lbs</td>
</tr>
<tr>
<td>Salt Removed (TDS)</td>
<td>97,213</td>
<td>Tons</td>
</tr>
<tr>
<td></td>
<td>194,426,000</td>
<td>lbs</td>
</tr>
<tr>
<td>Direct Dischargers</td>
<td>26</td>
<td>Dischargers</td>
</tr>
<tr>
<td>Indirect Dischargers</td>
<td>17</td>
<td>Dischargers</td>
</tr>
<tr>
<td>USA Digalerts Tickets Received</td>
<td>3,632</td>
<td>Tickets</td>
</tr>
<tr>
<td>Sewer System Overflows</td>
<td>0</td>
<td>SSOs</td>
</tr>
</tbody>
</table>
## Flows by Category (MG)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Desalters/IX/Reclaimed Wastewater</td>
<td>238.61</td>
<td>243.56</td>
<td>274.43</td>
<td>289.19</td>
<td>286.52</td>
<td>247.78</td>
<td>234.14</td>
<td>225.78</td>
<td>244.62</td>
<td>272.14</td>
<td>314.05</td>
<td>284.13</td>
<td>2,992.27</td>
</tr>
<tr>
<td>Industrial</td>
<td>46.44</td>
<td>34.84</td>
<td>39.02</td>
<td>35.83</td>
<td>42.61</td>
<td>37.66</td>
<td>37.24</td>
<td>39.54</td>
<td>35.83</td>
<td>35.22</td>
<td>39.45</td>
<td>38.00</td>
<td>567.50</td>
</tr>
<tr>
<td>Collection Stations</td>
<td>2.70</td>
<td>2.68</td>
<td>2.62</td>
<td>2.73</td>
<td>2.29</td>
<td>2.28</td>
<td>2.27</td>
<td>2.24</td>
<td>2.74</td>
<td>2.95</td>
<td>3.08</td>
<td>3.32</td>
<td>23.57</td>
</tr>
<tr>
<td>Domestic</td>
<td>7.09</td>
<td>7.35</td>
<td>7.30</td>
<td>7.45</td>
<td>7.65</td>
<td>6.92</td>
<td>6.57</td>
<td>6.34</td>
<td>6.07</td>
<td>6.79</td>
<td>6.03</td>
<td>6.21</td>
<td>80.97</td>
</tr>
<tr>
<td>S-01 TOTAL</td>
<td>319.37</td>
<td>308.58</td>
<td>341.97</td>
<td>358.13</td>
<td>364.63</td>
<td>318.03</td>
<td>300.59</td>
<td>299.24</td>
<td>312.95</td>
<td>343.69</td>
<td>399.63</td>
<td>358.38</td>
<td>4,025.18</td>
</tr>
</tbody>
</table>
Discharges by Category (MG)

- Industrial
- Power Plants
- Collection Stations
- Domestic
- Desalters/IX/Reclaimed Wastewater
Recommendation

- Receive and file
Questions??
Maintenance Access Structure

PVC Liner Repairs

Carlos Quintero, Operations Manager
PA24 Committee | August 4, 2020
Item No. 5.B.
Recommendation

- Receive and file
T-LOCK LINED MANHOLES
PVC Liners (T-lock/Arrowlock)
4D-1190
Recommendation

- Receive and file
Questions??
Euclid Avenue (Reach IVA and Reach IVD) Maintenance Access Structure (MAS) Rehabilitation Project

David Ruhl, Engineering Manager
Project Agreement 24 Committee | August 4, 2020
Item No. 5.C.
Euclid Avenue (Reach IVA and Reach IVD) MAS Rehabilitation Project

- **Recommendation**
  - Authorize the GM to award a contract for public works construction to the lowest, responsive, responsible bidder, Abhe & Svoboda, for the Project, in an amount not to exceed $481,000, and waive the 1 minor irregularity.
Project Location and Description

- Seal 5 MAS on Reach IVD to withstand pressurization
- Remove 1 MAS on Reach IVA due to concrete deterioration
# Summary of Bids

<table>
<thead>
<tr>
<th>Bidder</th>
<th>Total Bid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abhe &amp; Svoboda, Inc</td>
<td>$481,000</td>
</tr>
<tr>
<td>Metro Builders &amp; Engineers</td>
<td>$552,602</td>
</tr>
<tr>
<td>Weka, Inc.</td>
<td>$593,201</td>
</tr>
<tr>
<td>Lucas Builders, Inc.</td>
<td>$663,600</td>
</tr>
<tr>
<td>GRFCO, Inc.</td>
<td>$755,000</td>
</tr>
<tr>
<td>Norstar Plumbing &amp; Engineering Inc.</td>
<td>$813,000</td>
</tr>
</tbody>
</table>
Bid Analysis

- Qualified to perform work
- References Contacted
- 1 Minor Irregularity
  - No Corporate Seal, Certified Board Minutes Provided
- Abhe & Svoboda, Inc. submitted the lowest, responsible bid (award recommended)
Euclid Avenue (Reach IVA and Reach IVD) MAS Rehabilitation Project

- **Recommendation**
  - Authorize the GM to award a contract for public works construction to the lowest, responsive, responsible bidder, Abhe & Svoboda, for the Project, in an amount not to exceed $481,000, and waive the minor irregularity.
QUESTIONS?
Alcoa Dike – Lower Reach IVB and CRC Lateral Protection Project

David Ruhl, Engineering Manager
Project Agreement 24 Committee | August 4, 2020
Item No. 5.D.
Lower Reach IVB and CRC Lateral Protection Project

**Recommendation**

- Authorize the GM to award a contract for public works construction to the lowest, responsive, responsible bidder, Weka Inc., for the Project, in an amount not to exceed $1,349,805, and waive the minor irregularities.
Alcoa Dike - Reach IVB/CRC Lateral

- Protect Reach 4B/CRC Lateral Due to Impacts of Alcoa Dike
- Remove and Replace about 440 feet of Reach IVB
- Remove and Replace about 160 feet of the CRC Lateral
<table>
<thead>
<tr>
<th>Bidder</th>
<th>Total Bid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weka, Inc</td>
<td>$1,349,805</td>
</tr>
<tr>
<td>Lucas Builders, Inc.</td>
<td>$1,653,727</td>
</tr>
<tr>
<td>T.E. Roberts</td>
<td>$1,706,178</td>
</tr>
</tbody>
</table>
Bid Analysis

- Qualified to perform work
  - Previous work for SAWPA
- References Contacted
- 2 Minor Irregularities
  - Missing Superintendent Resume - provided
  - Minor Condition to Insurance
- Weka submitted the lowest, responsible bid (award recommended)
Lower Reach IVB and CRC Lateral Protection Project

Recommendation

- Authorize the GM to award a contract for public works construction to the lowest, responsive, responsible bidder, Weka Inc., for the Lower Reach IV-B and CRC Lateral Utility Protection Project, in an amount not to exceed $1,349,805, and waive the minor irregularities.
QUESTIONS?
Inland Empire Brine Line Rehabilitation/Protection Projects – Construction Management and Inspection Services

David Ruhl, Engineering Manager
Project Agreement 24 Committee | August 4, 2020
Item No. 5.E.
Construction Management (CM) and Inspection Services

**Recommendation**

- Authorize the GM to execute a General Services Agreement and Task Order No. TRC320-01 in an amount not-to-exceed $162,118 with TRC, to provide Construction Management and Inspection Services for the Inland Empire Brine Line Rehabilitation/Protection Projects.
CM and Inspection Services

- Oversee Construction Activities
- Provide Inspection Services
- Ensure Project is installed per the plans and specifications
- TRC
  - Knowledgeable on the brine line, specifications
    - Complex Project – HDPE Tee fused watertight MAS structures, 5 – 8 MGD by-pass system, 2-10 feet dewatering, deep excavation
  - Similar by-pass technical specifications and HDPE Tees on previous SAWPA project
  - Efficient and cost effective use of staff
  - Utilize document management system familiar to SAWPA staff
- Fee $162,118 (includes 5% contingency)
Construction Management (CM) and Inspection Services

- Recommendation
  - Authorize the GM to execute a General Services Agreement and Task Order No. TRC320-01 in an amount not-to-exceed $162,118 with TRC, to provide Construction Management and Inspection Services for the Inland Empire Brine Line Rehabilitation/Protection Projects.
QUESTIONS?