Groundwater Management Program Update

• 2018 Groundwater Substitution Transfer Results

• Groundwater level monitoring

• Sustainable Groundwater Management Act (SGMA) Progress
2018 Groundwater Substitution Transfer

1. San Juan Water District (pre-1914 water right)
   • Fair Oaks Water District extracting groundwater

2. San Juan Water District (post-1914 water right)
   • Citrus Heights Water District extracting groundwater

3. Carmichael Water District
   • Carmichael Water District extracting groundwater

4. City of Sacramento
   • City of Sacramento extracting groundwater
   • Sacramento Suburban Water District extracting groundwater
2018 Groundwater Substitution Transfer
## 2018 Transfer Totals

<table>
<thead>
<tr>
<th>Agency</th>
<th>July through September Totals in Acre-feet</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total Pumped</td>
<td>Baseline Groundwater Use</td>
</tr>
<tr>
<td>City of Sacramento</td>
<td>4,491</td>
<td>2,426</td>
</tr>
<tr>
<td>SSWD South Service Area</td>
<td>8,077</td>
<td>3,074</td>
</tr>
<tr>
<td>CWD</td>
<td>1,390</td>
<td>1,001</td>
</tr>
<tr>
<td>CHWD</td>
<td>1,584</td>
<td>130</td>
</tr>
<tr>
<td>FOWD</td>
<td>1,989</td>
<td>393</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>17,981</strong></td>
<td><strong>7,024</strong></td>
</tr>
</tbody>
</table>

*Includes 8% streamflow depletion
SGMA Progress

• Executed funding agreement with DWR effective November 9, 2018

• nasbgroundwater.org went live November 12, 2018

• Completed final memorandum of agreement with GSA partners on December 4, 2018 – in process of being signed by GSAs

• Moving forward with technical work
New Shallow Monitoring Wells

Purpose – establish and monitor surface water/groundwater relationship (50 to 90 feet deep wells)

Completed:
- Well location selection
- Plans and Specifications
- CEQA
- Encroachment Permits

To Do:
- DWR approval of CEQA
- Release for bidding
- Construct wells
Shallow Monitoring Well Network – Transducer Installations

Purpose – measure groundwater gradients adjacent to rivers where gages are located

Completed:
- Selected alternative wells (VON and BRY)
- Purchased and installed transducers at existing locations

To Do:
- Install in new shallow monitoring wells
Deep Nested Monitoring Wells

Purpose - monitor central basin conditions (500 feet deep wells)

Completed:
• Well location selection
• Plans and specifications
• CEQA project description

To Do:
• Placer County file CEQA
• City of Roseville file CEQA
• DWR approval of CEQA
• Release for bidding
• Construct wells