Largest potable water provider in Arizona
5 water treatment plants
3 wastewater treatment plants
Produce over 110 billion gallons/YR clean water
60 billion gallons/YR effluent put to beneficial use
7,000 miles of water mains (540 sq mi) – Similar size of LA
5,000 miles of sewer mains
1.7 million water customers
2.8 million wastewater customers (Regional Facility)
Alternatives & Advanced Treatment Approaches for Potable Reuse
PREFERRED ALTERNATIVES

- 23rd Ave Wastewater Treatment Plant (WWTP)
- 91st Ave WWTP
- Cave Creek Water Reclamation Plant (WRP)
- North Gateway WRP
Cave Creek Alternative for Potable Reuse
CAVE CREEK WRP ALTERNATIVE

- Advanced Purified Water Facility to be located on the southeast side of the CCWRP site
- Purified water conveyed to the Union Hills WTP Raw or Finished Water
- Production Capacity
  - Initial – 8 MGD
  - Build-out – 16 MGD
91st Ave WWTP Alternative for Potable Reuse
SROG SYSTEM MAP

WWTPs and Multi-City Joint Sewage Transmission Lines
91ST AVE WWTP WATER AVAILABILITY MINUS BUCKEYE IRRIGATION COMPANY (BIC)

91st Ave WWTP Water Availability Minus BIC

<table>
<thead>
<tr>
<th>FLOWS (mgd)</th>
<th>ACTUAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min.</td>
<td>32.67</td>
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<tr>
<td>Max.</td>
<td>92.90</td>
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<tr>
<td>Avg.</td>
<td>60.15</td>
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</tbody>
</table>
Conceptual Site Layout

Evaporation Pond 1: 35 Acres

Evaporation Pond 2 (Expansion): 30 Acres

12-in Concentrate Pipeline to Evaporation Pond: 1.4 miles

72-in Potable Pipeline to Zone 1: 7 miles

Advanced Purified Water Facility 50 mgd (18 acres)

Expansion up to 90 mgd (15 acres)

Concen. Mgmt. (12 acres)

91st Ave Wastewater Treatment Plant

Expansion (10 acres)
Next Steps
Questions / Comments?