Water Demand & Supply Projections Update

Long Term Water Augmentation Committee Meeting
June 14, 2017

Pam Muse
Planning & Data Management
Arizona Department of Water Resources
## Impact of Changing Assumptions
### 2060 Projected Water Demand (AF)

<table>
<thead>
<tr>
<th>Planning Area</th>
<th>WRDC Projection</th>
<th>“Back of the envelope” Projection</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apache</td>
<td>33,263</td>
<td>27,412</td>
<td>(5,851)</td>
</tr>
<tr>
<td>Arizona Strip</td>
<td>20,355</td>
<td>3,428</td>
<td>(16,927)</td>
</tr>
<tr>
<td>Basin and Range AMAs</td>
<td>4,775,733</td>
<td>4,118,157</td>
<td>(657,576)</td>
</tr>
<tr>
<td>Bill Williams</td>
<td>15,164</td>
<td>21,663</td>
<td>6,499</td>
</tr>
<tr>
<td>Central Plateau</td>
<td>25,404</td>
<td>12,969</td>
<td>(12,435)</td>
</tr>
<tr>
<td>Cochise</td>
<td>279,588</td>
<td>523,950</td>
<td>244,362</td>
</tr>
<tr>
<td>Colorado Main Stem North</td>
<td>192,423</td>
<td>136,147</td>
<td>(56,276)</td>
</tr>
<tr>
<td>Colorado Main Stem South</td>
<td>1,514,162</td>
<td>1,501,097</td>
<td>(13,065)</td>
</tr>
<tr>
<td>East Plateau</td>
<td>144,448</td>
<td>35,670</td>
<td>(108,778)</td>
</tr>
<tr>
<td>Gila Bend</td>
<td>390,492</td>
<td>336,978</td>
<td>(53,514)</td>
</tr>
<tr>
<td>Hassayampa/Agua Fria</td>
<td>12,056</td>
<td>7,987</td>
<td>(4,069)</td>
</tr>
<tr>
<td>Lower Gila</td>
<td>490,312</td>
<td>493,430</td>
<td>3,118</td>
</tr>
<tr>
<td>Lower San Pedro</td>
<td>22,592</td>
<td>13,259</td>
<td>(9,333)</td>
</tr>
<tr>
<td>Navajo/Hopi</td>
<td>81,569</td>
<td>32,417</td>
<td>(49,152)</td>
</tr>
<tr>
<td>Northwest Basins</td>
<td>42,344</td>
<td>56,325</td>
<td>13,981</td>
</tr>
<tr>
<td>Roosevelt</td>
<td>45,369</td>
<td>8,230</td>
<td>(37,139)</td>
</tr>
<tr>
<td>Upper Gila</td>
<td>152,502</td>
<td>149,993</td>
<td>(2,508)</td>
</tr>
<tr>
<td>Upper San Pedro</td>
<td>44,661</td>
<td>18,877</td>
<td>(25,784)</td>
</tr>
<tr>
<td>Verde</td>
<td>97,597</td>
<td>58,521</td>
<td>(39,076)</td>
</tr>
<tr>
<td>West Basins</td>
<td>253,726</td>
<td>217,649</td>
<td>(36,077)</td>
</tr>
<tr>
<td>West Borderlands</td>
<td>2,448</td>
<td>2,235</td>
<td>(213)</td>
</tr>
<tr>
<td>Western Plateau</td>
<td>1,233</td>
<td>727</td>
<td>(506)</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>8,637,440</strong></td>
<td><strong>7,777,123</strong></td>
<td><strong>(860,318)</strong></td>
</tr>
</tbody>
</table>
Impact of Changing Assumptions

Planning Area Demands in Acre-Feet and by Sector, 2060


Western Plateau
West Borderlands
West Basins
Verde
Upper San Pedro
Upper Gila
Roosevelt
Northwest Basins
Navajo/Hopi
Lower San Pedro
Lower Gila
Hassayampa/Agua Fria
Gila Bend
East Plateau
Colorado Main Stem South
Colorado Main Stem North
Cochise
Central Plateau
Bill Williams
Arizona Strip
Apache

Total
Agricultural
Industrial
Municipal

Impact of Changing Assumptions

Planning Area Demands in Acre-Feet and by Sector, 2060

Source: USGS Data, simple trend projection, ADWR Planning & Data Management

- Western Plateau
- West Borderlands
- Verde
- Upper San Pedro
- Upper Gila
- Roosevelt
- Northwest Basins
- Navajo/Hopi
- Lower San Pedro
- Lower Gila
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- Colorado Main Stem North
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- Central Plateau
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- Arizona Strip
- Apache

- Total
- Agricultural
- Industrial
- Municipal
Questions?

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