Municipal Water Demand

West Basins Planning Area
Stakeholders Meeting
October 5, 2016

Mandy Whatley, Water Resource Specialist
Arizona Department of Water Resources
• Multiple stakeholders commented that water use for RV Parks should be represented, as a large portion of the population are seasonal residents.

• Water use for these RV Parks has been accounted for in the **Industrial Demand** sector for the following reasons:
  - RV Parks are listed as an industrial use in the AMAs.
  - RV Parks can be listed separately in the industrial demand instead of lumped into one figure in municipal.
List of Abbreviations

• GPCD = Gallons Per Capita Per Day
  ▪ The gallons of water used by a single person in a single day

• ACC = Arizona Corporation Commission

• CWS = Community Water Systems
Methodology

• Data Set
  ▪ ACC and CWS data were averaged together for reporting years 2012-2015 to calculate a baseline GPCD

• GPCD
  ▪ Baseline GPCD = 87
  ▪ GPCD was projected to remain the same

• Projection
  ▪ The projected GPCD was then applied to the US Census population projections to calculate the projected annual water use
## Projections

<table>
<thead>
<tr>
<th>Year</th>
<th>GPCD</th>
<th>Population</th>
<th>AF/Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>87</td>
<td>6,289</td>
<td>612</td>
</tr>
<tr>
<td>2035</td>
<td>87</td>
<td>8,518</td>
<td>829</td>
</tr>
<tr>
<td>2060</td>
<td>87</td>
<td>10,957</td>
<td>1,066</td>
</tr>
<tr>
<td>2085</td>
<td>87</td>
<td>13,405</td>
<td>1,304</td>
</tr>
<tr>
<td>2110</td>
<td>87</td>
<td>15,952</td>
<td>1,543</td>
</tr>
</tbody>
</table>
Questions?

Mandy Whatley,
*Water Resource Specialist*

Phone: 602.771.4713
mawhatley@azwater.gov

www.azwater.gov