United Water Idaho

Treasure Valley CAMP
Advisory Committee Meeting #3
June 10, 2010

United Water Idaho at a Glance

- 98 employees
- 84,000 connections
- 240,000 population served
- 1,200 miles of mains
- 14.6 B gallons produced (2009)
- $35.2 M revenues (2009)
- $5.4 M annual payroll
- $380,000 annual payroll tax
- $1.4 million annual property tax
- $950,000 City franchise fee
Conservation & Water Supply Management

  - Low flow/use devices and appliances

- Mid-1990's - City & County pass dual water system ordinances
  - Development over formerly farmed lands must use non-potable surface water for landscape irrigation
  - Currently 75% of new customers

- United Water Leads with Conservation Programs; mid-90’s forward
  - Communication
  - Education
  - Xeriscape
  - Devices
Conservation

- Annual newspaper insert
- TV commercials
- Bill message
- Targeted messages to Hidden Springs
- Education programs in schools / neighborhoods
- Demonstration Gardens
- Free water saving devices
- Commercial kitchen retrofit

Trends in Residential Water Usage

- Conservation
- Low Flow Plumbing Fixtures
- Plumbing Code Changes
- Low Use Appliances
- Smaller Family Size
- Declining Residential Water Usage Per Customer
Winter Water Use Per Customer

Average Daily Use per Customer - Winter

25% Lower Winter Water Use

Average Daily Production per Customer Winter
19% Lower Summer Water Use

Summer Max Day Gallons per Metered Customers

Annual Average Numbers of Customers Updated 50 year Master Plan Forecast by John Church 05/24/10
Using Technology for Efficiency & Sustainability

- Automated meter information pilot
- GPS in vehicles and for as-built drawings
- Digital data capture on new construction and flushing program
- Initiated a Sustainability Working Group to evaluate and implement reduce, reuse, and recycle opportunities
- Utilizing Idaho Power energy saving incentives

Irrigation Vs. Non-Irrigation Customers
Potable Water "Saved" with Non-Potable Irrigation Supplies
Data From 2009 Fixed Network Pilot

<table>
<thead>
<tr>
<th>Customer Types</th>
<th>Average Annual Water Use</th>
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<tbody>
<tr>
<td>Non-Irrigation Customer (Base 31%)*</td>
<td>65,300 Gal/Yr, .0200 Acre-Ft/Yr</td>
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<td>* Returns to river through WWTP</td>
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<tr>
<td>Irrigation Customer (69%)</td>
<td>209,300 Gal/Yr, 0.642 Acre-Ft/Yr</td>
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<tr>
<td>Difference in Annual Water Use</td>
<td>144,000 Gal/Yr, 0.442 Acre-Ft/Yr</td>
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<tr>
<td>Non-Irrigation UWID Customers</td>
<td>15,000 +/- Gal/Yr, 15,000 +/- Acre-Ft/Yr</td>
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<tr>
<td>Total Potable Water &quot;Saved&quot;</td>
<td>2,160,000,000, 6,629 Acre-Ft/Yr</td>
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Source of Supply – Today and Tomorrow

- Nominal delivery capacity is 97.5 million gallons/day
- 70% groundwater - 30% surface water
- Peak summer use is over 4x average winter use
- ASR – augment summer supply & mitigate water quality issues
- Maintain and enhance sources of supply by adding wellhead treatment
- SRBA – preserve water rights portfolio
- Seeking new well in western part of the system
- Capacity expansion at Marden and Columbia plants remain options