Walnut Valley
Water District
The Mission of Walnut Valley Water District is to provide a reliable, high quality water supply in a fiscally efficient and environmentally responsible manner while remaining committed to providing superior service to our customers.
Walnut Valley Water District was formed under State law in 1952. Purpose was to provide a supply of water for the people in this area. The District provided potable water to 21 service connections with an approximate population of less than 800 in 1955.
Board of Directors

- Five election divisions
- Elected by voters (odd years)
- Serve overlapping 4-year terms
- Set District Policy
- Establish long-range goals and direction for the District
Election Division Map

- Diamond Bar
- Pomona
- Walnut
- Industry
- Rowland Heights
# District Statistics

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population Served</td>
<td>113,236</td>
</tr>
<tr>
<td>Area Served (acres)</td>
<td>17,900</td>
</tr>
<tr>
<td>Annual Water Deliveries (gallons)</td>
<td>7.5 billion</td>
</tr>
<tr>
<td>Average Daily Water Use (gallons)</td>
<td>20.6 million</td>
</tr>
<tr>
<td>Average Daily Water Use Per Person</td>
<td>207 gallons</td>
</tr>
</tbody>
</table>
Where Does Our Water Come From?
Where Southern California Gets its Water

- California Aqueduct
- Colorado River Aqueduct
- Local Supplies
- LA Aqueduct
- Groundwater & Recycling
- Conservation
California’s Water Management Challenge

Very Wet

Very Dry

Rainfall Distribution:

- Over 100 in
- 70-75 in
- 55-60 in
- 40-45 in
- 30-35 in
- 20-25 in
- 10-15 in
- 0-5 in
Metropolitan Water District of Southern California

- 6 counties; 5,200 square miles
- 18 million people
- Regional economy: $822 billion
- Projected growth: ~220,000 people/year
- MWD provides nearly 60% of southern California’s supply
We are 100% dependent on imported water for potable needs.
California Water Today

Reduced Deliveries

Drought Conditions

Low precipitation

Regulatory Restrictions

State Water Project

Los Angeles Aqueduct

Colorado River Aqueduct

Local

California Water Today

Reduced Deliveries

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Local
### Potable Water System

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reservoirs</td>
<td>29</td>
</tr>
<tr>
<td>Million Gallons of Water Storage</td>
<td>89</td>
</tr>
<tr>
<td>Pump Stations</td>
<td>16</td>
</tr>
<tr>
<td>Pressure Regulating Stations</td>
<td>37</td>
</tr>
<tr>
<td>Miles of Water Mains</td>
<td>376</td>
</tr>
</tbody>
</table>
Water Reservoir
## Meter Connections

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-family Residential</td>
<td>24,773</td>
</tr>
<tr>
<td>Multi-family Residential</td>
<td>215</td>
</tr>
<tr>
<td>Commercial / Institutional</td>
<td>1,115</td>
</tr>
<tr>
<td>Industrial</td>
<td>177</td>
</tr>
<tr>
<td>Landscape Irrigation</td>
<td>322</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>26,078</strong></td>
</tr>
</tbody>
</table>

The total number of meter connections is 26,078.
## Annual Water Use (Million Gallons)

<table>
<thead>
<tr>
<th>Category</th>
<th>Use (Million Gallons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-family Residential</td>
<td>5,447</td>
</tr>
<tr>
<td>Multi-family Residential</td>
<td>730</td>
</tr>
<tr>
<td>Commercial / Institutional</td>
<td>800</td>
</tr>
<tr>
<td>Industrial</td>
<td>159</td>
</tr>
<tr>
<td>Landscape Irrigation</td>
<td>392</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>7,528</strong></td>
</tr>
</tbody>
</table>
Recycled Water

Serves parks, school grounds, and other large landscaped areas
Recycled Water

- Reduces our dependence on costly imported water supplies
- Recycled water supplied from Pomona Water Reclamation Plant & Wells
- Average annual delivery of 537 million gallons
- Diamond Bar Golf Course manmade lake w/capacity of 1.7MG of Recycled Water
Recycled Water System

- 3 Reservoirs with a combined storage capacity of 5.2 million gallons
- Recycled Pump Station
  - Main pumps - 3,500 gpm capacity
  - Booster pumps – 1,500 gpm capacity
- 5 wells – 2,000 gpm combined capacity
- 32 miles of pipeline
- 300 metered services (¾” to 8”)
- 3 pressure zones 810, 900, 950H
- 2 Recycled Interties w/RWD
Industry Business Center

- New Water facilities for the 600 acre project include:
  - New 2MG above ground reservoir.
    - New hydro pneumatic pump station.
    - Booster pumps 2500 gpm capacity
  - Approx. 24,000 linear feet of recycled water pipeline.
  - Existing potable irrigation service conversions to recycled services.
  - More than 82MG used to date.
Water Conservation
Water Use In the District

- Single Family: 72%
- Multi Family: 10%
- Commercial: 11%
- Industrial: 2%
- Landscape: 5%

Single Family: 72%
Residential Water Usage

Outdoor, 64%
Indoor, 36%
INDOOR RESIDENTIAL WATER USE
Indoor Conservation

- Go after the easy stuff first
- Fix leaks
- Change showerheads, faucets, toilets
Indoor Water Usage

- Toilet: 27%
- Clothes: 21%
- Faucet: 18%
- Shower: 17%
- Leak: 11%
- Other: 3%
- Bath: 1%
- Washer: 1%
Outdoor Water Use
Landscape Water Waste

- Poor irrigation scheduling
- Watering too often
- Inefficient irrigation systems
- Poor maintenance
- Leaks
California Friendly

- Low water using
- California friendly plants are native to other areas with similar climatic conditions
- Thrive in our climate
- More tolerant of varying watering regimes
- Thrive in our soils
Mission Statement

The mission of the Walnut Valley Water District is to provide a reliable, high quality water supply in a fiscally efficient and environmentally responsible manner while remaining committed to providing superior service to our customers.

Thank you!

Please Visit our Website
www.wvwd.com