### Groundwater Use for America

9/2010  
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<table>
<thead>
<tr>
<th>Category</th>
<th>Groundwater (mgd—fresh, not saline)</th>
<th>Percentage of total groundwater</th>
<th>Percentage of total public supply</th>
<th>Estimated annual economic value of pumped water</th>
<th>Estimated value of installed well/pump infrastructure</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>79,600</td>
<td>26.4%</td>
<td>33.03%</td>
<td>$20.09 bil.</td>
<td>$3.73 bil.</td>
</tr>
<tr>
<td><strong>Public Supply</strong></td>
<td>14,600</td>
<td>18.3%</td>
<td></td>
<td>$12.91 bil.</td>
<td>$64.31 bil.</td>
</tr>
<tr>
<td><strong>Individual Household</strong></td>
<td>3,740</td>
<td>4.7%</td>
<td></td>
<td>$3.3 bil.</td>
<td>$6.0 bil.</td>
</tr>
<tr>
<td><strong>Irrigation</strong></td>
<td>53,500</td>
<td>67.2%</td>
<td></td>
<td>$1.07 bil.</td>
<td>$6.0 bil.</td>
</tr>
<tr>
<td><strong>Livestock/Aquaculture</strong></td>
<td>3,200</td>
<td>4.02%</td>
<td></td>
<td>$64.0 mil.</td>
<td></td>
</tr>
<tr>
<td><strong>Industrial, Self-Supplied (fresh)</strong></td>
<td>3,070</td>
<td>3.86%</td>
<td></td>
<td>$2.71 bil.</td>
<td></td>
</tr>
<tr>
<td><strong>Mining (fresh)</strong></td>
<td>1,020</td>
<td>1.28%</td>
<td></td>
<td>$20.4 mil.</td>
<td></td>
</tr>
<tr>
<td><strong>Thermoelectric (fresh)</strong></td>
<td>510</td>
<td>0.64%</td>
<td></td>
<td>$10.2 mil.</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
1. $20.09 bil. refers to the annual economic value of pumped water for the nation.
2. $12.91 bil. refers to the annual economic value of pumped water for the public supply.
3. $3.3 bil. refers to the annual economic value of pumped water for individual households.
4. $64.31 bil. refers to the annual economic value of installed well/pump infrastructure for water from public supplies.
5. $3.3 bil. refers to the annual economic value of pumped water for individual households.
6. $6.0 bil. refers to the annual economic value of installed well/pump infrastructure for water from public supplies.

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**Groundwater’s Role in America’s Economic Vitality**

- 43.8% of America’s population regularly depends upon groundwater for its drinking water supply.
- 41,913,300 American residents served by privately owned individual wells.
- 88,032,021 American residents served by groundwater supplied community water systems.
- 13,249,000 occupied American households served by privately owned individual wells.
- 107,848 community supply wells serving 40,025 American community water systems.
- 17,688 nontransient, noncommunity water systems serving 5,415,937 people.
- 81,492 transient, noncommunity water systems serving 7,690 farms.
- The U.S. bottled water industry used 5.34 billion gallons of groundwater in 2001.

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America's Groundwater Industry Employment

Men and women working to provide and protect America’s groundwater resources for the benefit of people, business, and our environment.

America's Contracting Employment
Drill and service water wells, install and service pumps, install and service point-of-use water treatment devices. This portion of the industry is characterized by small firms, many of which are multigeneration family-owned and operated.22
- 8,085 firms employ an estimated 44,358 people
- Annual estimated sales of $2,466,137,000

America’s Scientists and Engineers Employment
Geologists, hydrogeologists, engineers, geochemists, geophysicists, microbiologists, regulators.

Environmental Consulting23
NAICS 54162: Establishments primarily engaged in providing advice and assistance on environmental issues, such as the control of environmental contamination from pollutants, toxic substances, and hazardous materials.
- 9,747 firms employ an estimated 83,631 people
- Annual estimated sales of $6,533.3 million

Remediation24
NAICS 56291: Establishments include those engaged in remediation and cleanup of contaminated buildings, mine sites, soil, or groundwater.
- 3,833 firms employ an estimated 73,332 people
- Annual estimated sales of $6,584.5 billion

Government, Research Institutes, Universities and Colleges
- Hundreds more

America’s Community Water Systems Employment
Some 38,588 community water systems rely upon groundwater across the United States, and employ an estimated 211,989 professionals.25

American Manufacturers and Wholesalers
In 2009, shipments of domestic water systems used for wells equaled 1,507,329 pumps valued at $265,701,000.26 Shipments of new machines used to drill water wells totaled 207 units at a combined value of $119,417,000 in 2009.27 Shipments of ground and groundwater source heat pumps, fossil fuel-saving technology, totaled 86,260 units in 2009, at a value of $286,071,000.28

There are hundreds of firms employing thousands of individuals throughout the nation.