How San Juan Islanders Get their Water

- Group A Systems: 57%
- Group B Systems: 19%
- 2 Party Systems: 2%
- Single User Systems: 22%
## Where San Juan Islanders Get their Water From

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Definition</strong></td>
<td>15 or more</td>
<td>3 to 14</td>
<td>2 connections</td>
<td>1 connection</td>
</tr>
<tr>
<td></td>
<td>connections</td>
<td>connections</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong># of Systems in SJC</strong></td>
<td>100 systems</td>
<td>250 systems</td>
<td>150 systems</td>
<td>3500 properties</td>
</tr>
<tr>
<td><strong>Primacy Agency</strong></td>
<td>Regulated by</td>
<td>Regulated by</td>
<td>Unregulated</td>
<td>Unregulated</td>
</tr>
<tr>
<td></td>
<td>State</td>
<td>County</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Meters Required</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>New Users Only</td>
</tr>
<tr>
<td><strong>Reporting Requirements</strong></td>
<td>Water Use</td>
<td>No Water Use</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Reported to</td>
<td>Report Required</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>State</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>System Efficiency</strong></td>
<td>Water Use</td>
<td>No Water Use</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Efficiency</td>
<td>Efficiency Req.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Required by Law</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Year-Round Water users vs. Other

- Residential ERU's: 477 Year-Round Users
- Part-Time Users: 238
- Inactive: 143
Where the Water Goes in US

- Agriculture: 70%
- Industrial: 22%
- Domestic: 8%
Indoor, 61%

Leaks, 10%
Toilet, 19%
Clothes Washers, 15%
Shower, 12%
Faucets, 11%
Dishwasher, 1%
Bath, 1%
Other, 2%

Outdoor, 29%

Source: Benjamin D. Inskeep and Shahzeen Z. Attari
US Average: 150 gal per person per day
Water Use – EWUA, Friday Harbor & Seattle

gal/person/day

- EWUA
- Friday Harbor
- Seattle

Seattle  Friday Harbor  EWUA
EWUA Annual Production Totals

- Active ERUs
- Annual Production in Million Gallons

Graph showing trends from 2000 to 2009.
How does size of house impact water use?

<table>
<thead>
<tr>
<th>Location</th>
<th>Water Use/Home (gal/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonnie Brae</td>
<td>30,458</td>
</tr>
<tr>
<td>Wild Rose Meadow</td>
<td>31,500</td>
</tr>
<tr>
<td>Average of 716 Homes</td>
<td>34,600</td>
</tr>
</tbody>
</table>
Residential Rates – EWUA, Friday Harbor & Seattle

EWUA v Friday Harbor v Seattle Water Rates

$ per Month

Gallons per Month

Seattle PUD  EWUA  Friday Harbor
What can you do?

$65  $15
What can you do?
What can you do?
What can you do?

In just 10 minutes, you could save...

10 percent on your water bill
10 thousand gallons of water
10 months of laundry water

Find and fix leaks!
What can you do?
According to the text, you are being asked, "What can you do?" There is also a warning about not flushing the toilet. The text indicates that the toilet should not be flushed, as indicated by the symbol with the prohibition sign and the text "3.5 gal per flush."
SJC Could....
SJC Could....

Water Use Efficiency
SJC Should....
SJC Should....
SJC Could....
SJC Could....
SJC Should....
What the County Could Do?

- Require meters on ALL sources.
- Collect Data on water use.
- Set water use efficiency standards for Group B water systems to work towards.
- Study Ag’s water use.
- Identify areas that contribute most to aquifer recharge and protect them.
- Hire/Contract Hydrogeologist
- Form&Fund “Clean Water District”
- Continue to monitor Lopez and other areas at risk of seawater intrusion.
- Support Greywater reuse rulemaking.
Recycled Waste Water

- Sounds like an interesting option worth considering if cost effective.
- Not my first water source choice, but I’d be open to learning more.
- Only if needed as a last resort.
- Yuck, I’d rather do with less water.
Is San Juan County going to run out of water?

• Unlikely, water is just too important. People will find a way.

• Local “high risk” areas exist, especially on Lopez.

• We can maintain our lifestyle while using much less water.

• Climate Change will impact the San Juan’s water resources less than many other areas.
What we can do individually?

– Meter your use.
– Record your meter use.
– Set goals for your ongoing water use.
– Monitor your well’s water level.
– Aggressively fix leaks.
– Use outdoor water wisely.
– Replace your toilet.