CC03-431 Make Every Drop Count In Your Home

Follow this and additional works at: http://digitalcommons.unl.edu/extensionhist
Part of the Agriculture Commons, and the Curriculum and Instruction Commons

"CC03-431 Make Every Drop Count In Your Home" (2003). Historical Materials from University of Nebraska-Lincoln Extension. Paper 1479.
http://digitalcommons.unl.edu/extensionhist/1479

This Article is brought to you for free and open access by the Extension at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Historical Materials from University of Nebraska-Lincoln Extension by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.
Make Every Drop Count
In Your Home

"When the well is dry, we know the worth of water."
- Benjamin Franklin

Where to Start?
Start with the largest water users. The toilet, shower/bath, and clothes washer account for two-thirds of the water used in an average household.

<table>
<thead>
<tr>
<th>Rank</th>
<th>Item</th>
<th>% of Total Water Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Toilet</td>
<td>27%</td>
</tr>
<tr>
<td>2</td>
<td>Clothes Washer</td>
<td>22%</td>
</tr>
<tr>
<td>3</td>
<td>Shower</td>
<td>17%</td>
</tr>
<tr>
<td>4</td>
<td>Faucets</td>
<td>16%</td>
</tr>
</tbody>
</table>

Toilets
- About 20% of toilets leak. Consumers can lose 200 or more gallons of water a day from a leaky toilet. A toilet that leaks 22 gallons/day means 8000 gallons per year of wasted water and an unnecessary expense.
- Put a few drops of food dye in the tank. If after 15 minutes, color appears in the bowl, you have a leak that should be repaired. Typically, the toilet flapper needs replacement or the water level adjusted.
- A toilet installed prior to 1993 may use up to 8 gallons of water per flush. New toilets use 1.6 gallons per flush. Pressure and vacuum assisted and jet action toilets were designed to improve waste removal. Dual flush toilets use 0.8 and 1.6 gallons per flush. If your present drain system blocks often, select a toilet rated high for "drain carrying."
- Toilet dams, 1.6 gallon flappers, or water-filled plastic containers can be installed in older toilet tanks but reduced flow can affect flushing. About 3 gallons of water may be needed in the tank to flush properly. Avoid bricks that crumble and affect operation.

Clothes Washer
- Adjust water levels to the laundry load size and soil. Typically, full loads use less total water.
- Horizontal axis (usually front loading) clothes washers are more water conserving, using about 1/3 as much water as vertical axis (usually top loading) machines. In addition, new features are making some top loaders more water efficient.
- Look for the EnergyStar® label and compare the amount of water used for same tub capacity. Some washers sense the load size and soil of water and fabric and adjust the water level. High-pressure rinses to spray clothes during the rinse cycle reduce water consumption. Adjustable water level settings allow you to choose the level for the load.

Showers
- Older showers can use up to 6 to 8 gallons of water per minute (gpm) fully opened. As of 1994, new shower heads use no more than 2.5 gpm.
• Take short showers. Showers with water-conserving showerheads use less than 2.5 gpm while baths may use 30 to 50 gallons of water. A quick shower usually draws less water than a bath.

Faucets
• A leaky faucet can waste 10 to 20 gallons or more a day and damage materials. Faucet repairs may be as simple as changing an inexpensive washer or O-ring.
• Faucet aerators restrict the water going through the faucet by about 50%, adding air to make the flow appear the same. Faucet aerators with flow rates of 1.5 gpm or lower (1/2 - 1 gpm) are available for a few dollars.

Other Ways to Reduce Water Use
• Wash patio furniture, cars, plant containers, waste baskets and other items near or on the lawn to reuse the water. Use an environmentally safe mild cleaner - avoid strong cleaners that may damage plants.
• Use brooms instead of a hose to clean patio, decks, sidewalks and driveways.
• Use a rinse basin or sprayer for rinsing hand washed dishes or items instead of running water.
• Reduce toilet flushes by not using them as waste paper baskets.
• On-demand water softeners use less water than the traditional water softeners by responding to actual water use and water hardness rather than a timed schedule.
• Check for leaks by turning off all water taps. Record the water meter reading. Compare reading 3 to 4 hours later.

Every drop counts... Drops add up

<table>
<thead>
<tr>
<th>Drops Per Minute</th>
<th>Gallons Per Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>190 to 260</td>
</tr>
</tbody>
</table>

Drought
Droughts are a normal part of life in the Great Plains and for Nebraska. Many droughts are short-term and may only affect small areas, but multiple-year droughts like the Dust Bowl of the 1930s are relatively common as well. In 2002, Nebraska experienced its third driest year on record. The state lost an estimated $1.2 billion from crop production, and many communities experienced the negative impacts of drought.

Mountain snows in Colorado, Wyoming, and Montana that provide water and fill reservoirs along the Platte and Missouri Rivers have been low for several years. Lake McConaughy could reach its lowest level since it first reached peak storage in 1952. In southwestern Nebraska, flows in the Republican River continue to set record lows. Rains may provide some relief for the state, but it is more than likely that water-related drought impacts across Nebraska will continue into the near, and possibly distant future.

For more information . . .
• Nebraska Department of Health & Human Services Regulation and Licensure 402-471-2541
  http://www.hhs.state.ne.us/enh/pws/conindex.htm
• University of Nebraska Cooperative Extension Offices www.ianr.unl.edu/pubs/
• U.S. Geological Service Water Science for Schools - youth
  http://ga.water.usgs.gov/edu/sc4.html
• EPA Water Saver Home and Water For Kids
  www.epa.gov/water/water_efficiency.html
• American Water Resources Association WaterWiser:
  www.waterwiser.org

See the companion materials entitled "Make Every Drop Count On Your Yard" for more water saving ideas.