

**HOW MUCH
WATER
CAN YOU SAVE
WITH A
LOW-FLOW
SHOWERHEAD?**



SAVE WATER,

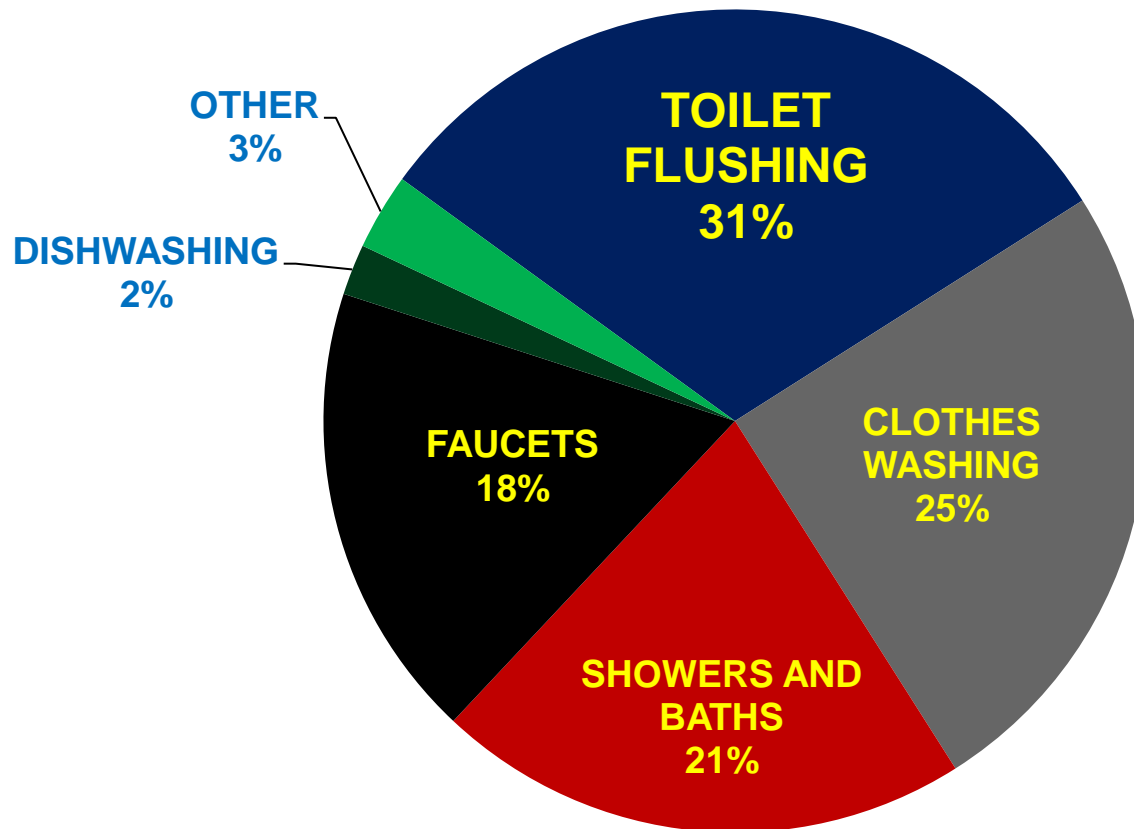
SAVE

DOLLARS!

AND
ENERGY!

SHOWERS AND BATHS

ARE THE THIRD LARGEST WATER USE INSIDE A HOME



What is the marginal cost of 1,000 gallons of OWASA water for a typical residential customer?

- Block 2 water rate (3,000 to 5,000 gallons/mo.):
\$6.26 per 1,000 gallons
- Sewer rate: **\$6.35** per 1,000 gallons*
- Total: **\$12.61** per 1,000 gallons
(1.26 cents per gallon)

* Up to 15,000 gallons/month for an individually-metered residence
(rates as of October 1, 2010)

OWASA's increasing block water rates per 1,000 gallons for individually- metered residential customers

(October, 2010)

- 1,000 – 2,000 gal./mo. **\$2.58**
- 3,000 – 5,000 gal./mo. **6.26**
- 6,000 – 10,000 gal./mo. **7.68**
- 11,000 – 15,000 gal./mo. **10.73**
- 16,000 or more gal./mo. **19.40**

SHOWERHEAD WATER USE

before <u>1980</u> :	5 gallons/minute (gpm)
<u>1980-94</u> :	3 to 5 gpm
<u>1994</u> standard:	2.5 gpm
Available <u>now</u> :	1.75 and 1.5 gpm

OLD SHOWERHEADS

Water use over a full year by a family of four if showerheads use 3 gpm:

21,024 gallons

Water/sewer cost:

\$264

LOW FLOW SHOWERHEADS

Annual water use, family of 4
if 1.5 gpm water flow rate:

10,512 gallons

Water/sewer cost: \$132

(ROUNDED)

Low Flow Showerhead SAVINGS, family of 4

1.5 gallons/minute flow vs. 3 gpm:

SAVE 50% OR 10,512 gallons/yr.

Water/sewer costs:

SAVE \$132

Low Flow Showerhead SAVINGS, family of 3

1.5 gallons/minute flow vs. 3 gpm:

SAVE 7,884 gallons/yr.

Water/sewer costs:

SAVE \$ 99

Low Flow Showerhead SAVINGS, family of 2

1.5 gallons/minute flow vs. 3 gpm:

SAVE 5,256 gallons/yr.

Water/sewer costs:

SAVE \$66

RECAP

FAMILY SIZE	ANNUAL WATER SAVINGS FROM REPLACING 3 GPM SHOWERHEAD WITH 1.5 GPM SHOWERHEAD	ANNUAL DOLLAR SAVINGS
4	10,512	\$132
3	7,884	\$99
2	5,256	\$66

WHY IS CONSERVATION IMPORTANT?

- Water is essential to our quality of life:
 - public health and sanitation,
 - fire protection/public safety,
 - environmental protection,
 - business operation/employment , and
 - community services (both public and non-profit).
- Water is pumped. Most of the energy is from non-renewable sources that produce CO₂ .
- Conservation reduces the need for multi-million dollar expansion of our water system capacities.

WATER CONSERVATION:

AN INVESTMENT IN OUR COMMUNITY'S FUTURE.



Orange Water and Sewer Authority

400 Jones Ferry Road, Carrboro www.owasa.org; webmaster@owasa.org

*A public, non-profit agency providing water, sewer and reclaimed water services
to the Carrboro-Chapel Hill community*

November, 2009

QUESTIONS OR COMMENTS?

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