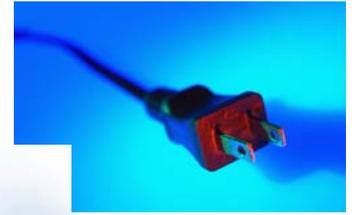


Public Works Department

US Fleet Activities Sasebo, Japan



WATER CONSERVATION

WATER CONSERVATION TIPS

Toilets:

Flush only when necessary. Don't use your toilet as a garbage disposal or trash can.

Sinks:

Fill bowl with water instead of letting the water run when you wash, brush teeth or shave. Repair leaks, attend to drips promptly.

Tub or Shower:

Take shallow baths and plug drain before you run the water. Keep showers short with pressure at a low force.

*To all above mentioned, install water saving devices such as aerators, low flow types, cut-off valves, or restrictors.

Laundry:

Always use full loads as oppose to partial loads.

Dishwasher:

Economize. Do only full loads. Avoid using extra cycles.

Repair leaks. Inspect all connections to ensure they are tight and dry.

Hand-Washing Dishes:

Scrape dishes, but don't pre-rinse. Soak pots and pans before washing.

Instead of running water continuously, fill wash and rinse basins with water.

Food Preparation:

Thaw your frozen food in the refrigerator, not under running water.



Department of Energy (DOE): Identified the main areas that uses the most water. Looking at the graph below, you will notice that personal hygiene dominates in both office and housing.

Figure 1-6: Typical Water Usage in Office/Administrative Buildings

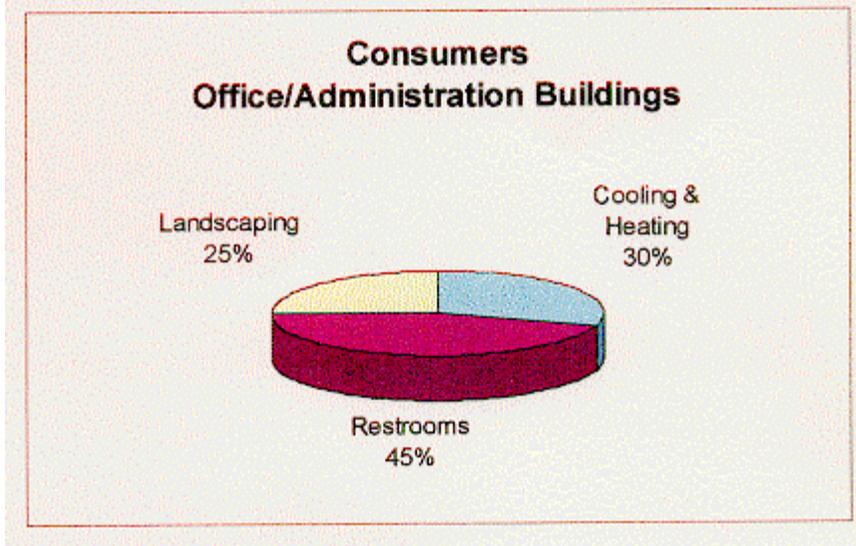
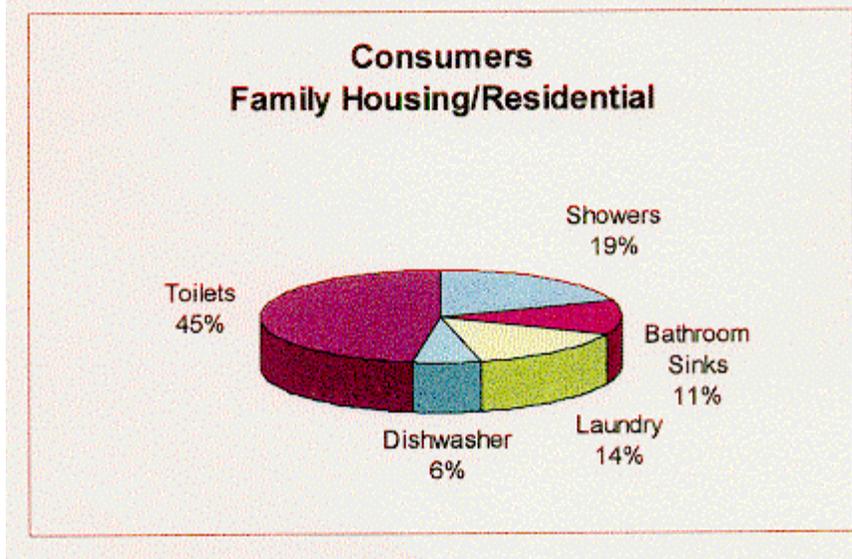


Figure 1-5: Typical Water Usage in Family Housing



QUESTION:

**How much water do I use?
How much does it cost?**



+



+



=

Unit Cost \$10.68/kgal

77,745 gallons per year

6,479 gallon per month

216 gallons per day

\$ 830 / yr per person

x 1,000 people

\$ 830,000 per year

\$ 23,000 per year

Before and After
a hard day's work

Rated @
7.1 gpm

"I love my 15 min.
showers"

[2 x 7.1 gpm x 15 min/day x 365 days/yr]



+



Cost to heat the water
for 1,000 people

877,902 btu /yr x \$26.40 Mbtu

=

Total Cost / 1,000 people

=

**\$ 853,000 per year
/ 1000 people**

Help Us Conserve Our Water

Shorten Shower Time

$(7.1 \text{ gpm} \times 5 \text{ min} / \text{day} \times 2 \times 365 \text{ days} / \text{yr}) =$	25,915 gal/yr	vs	77,745 gal/yr
Operational Cost	\$277 / yr / person		\$830 / yr / person

Change to Water Savings Type

$(2.5 \text{ gpm} \times 5 \text{ min} / \text{day} \times 2 \times 365 \text{ days} / \text{yr}) =$	9,125 gal/yr	vs	77,745 gal/yr
Operational Cost	\$98 / yr / person		\$830 / yr / person

Water is a LIMITED RESOURCE TOO

LET'S NOT TAKE IT FOR GRANTED