

Our Fresh Water Resources

How much does it cost to produce water?

How can I conserve water?

Water Services Department

Outline

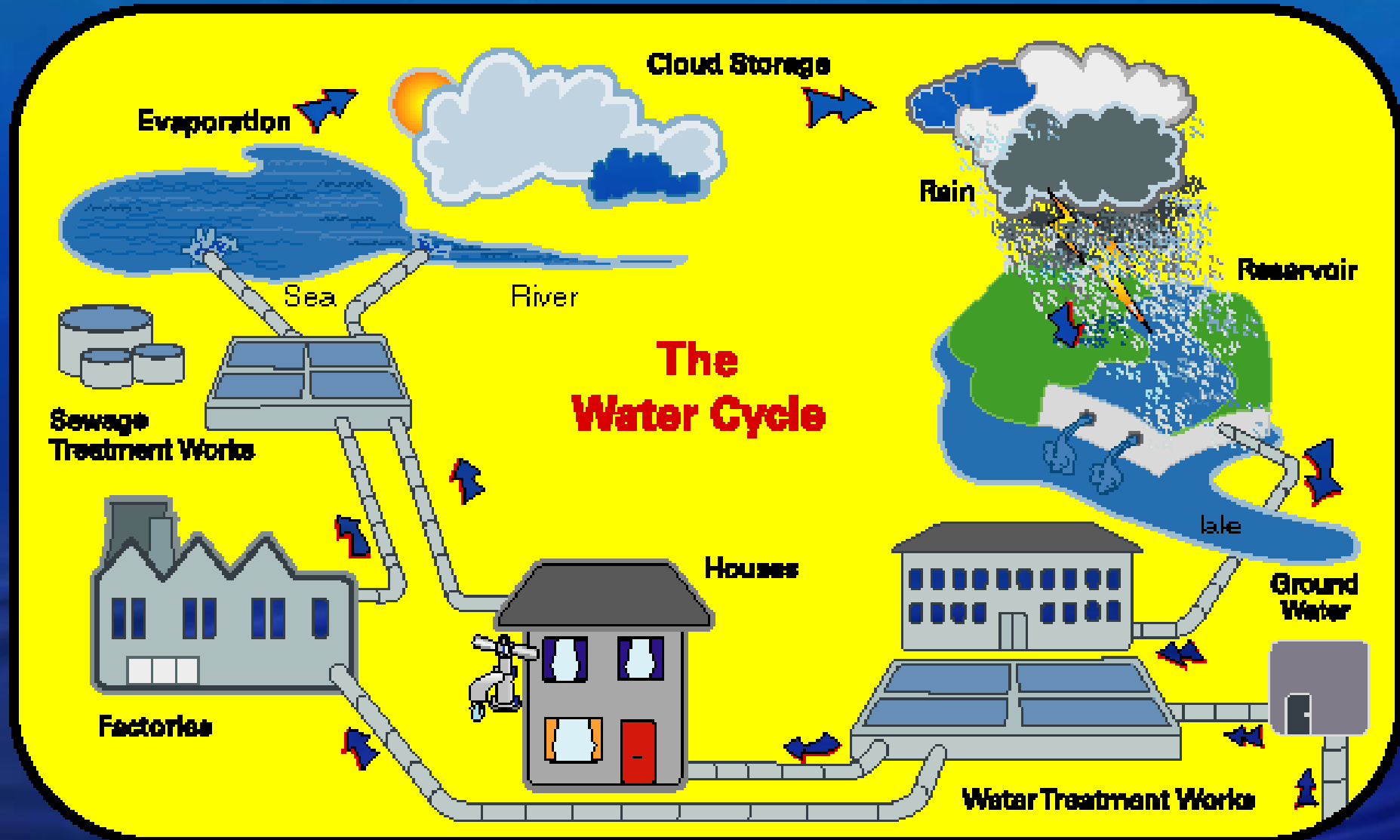
- TOPIC #1: Cost of water
 - How does water get to our taps?
 - How much does it cost?

Outline

- TOPIC #2: Water conservation
 - How much water is used around the house?
 - How can I save water?

Cost of water

How does water get to my tap?



Water system

- Our water systems serves more than 12,000 homes and businesses
- Over 1,300 hydrants
- Over 2,000 valves
- Over 25 storage reservoirs
- 6 surface water intake structures
- 29 wells
- About 100 miles of pipeline

Cost of water

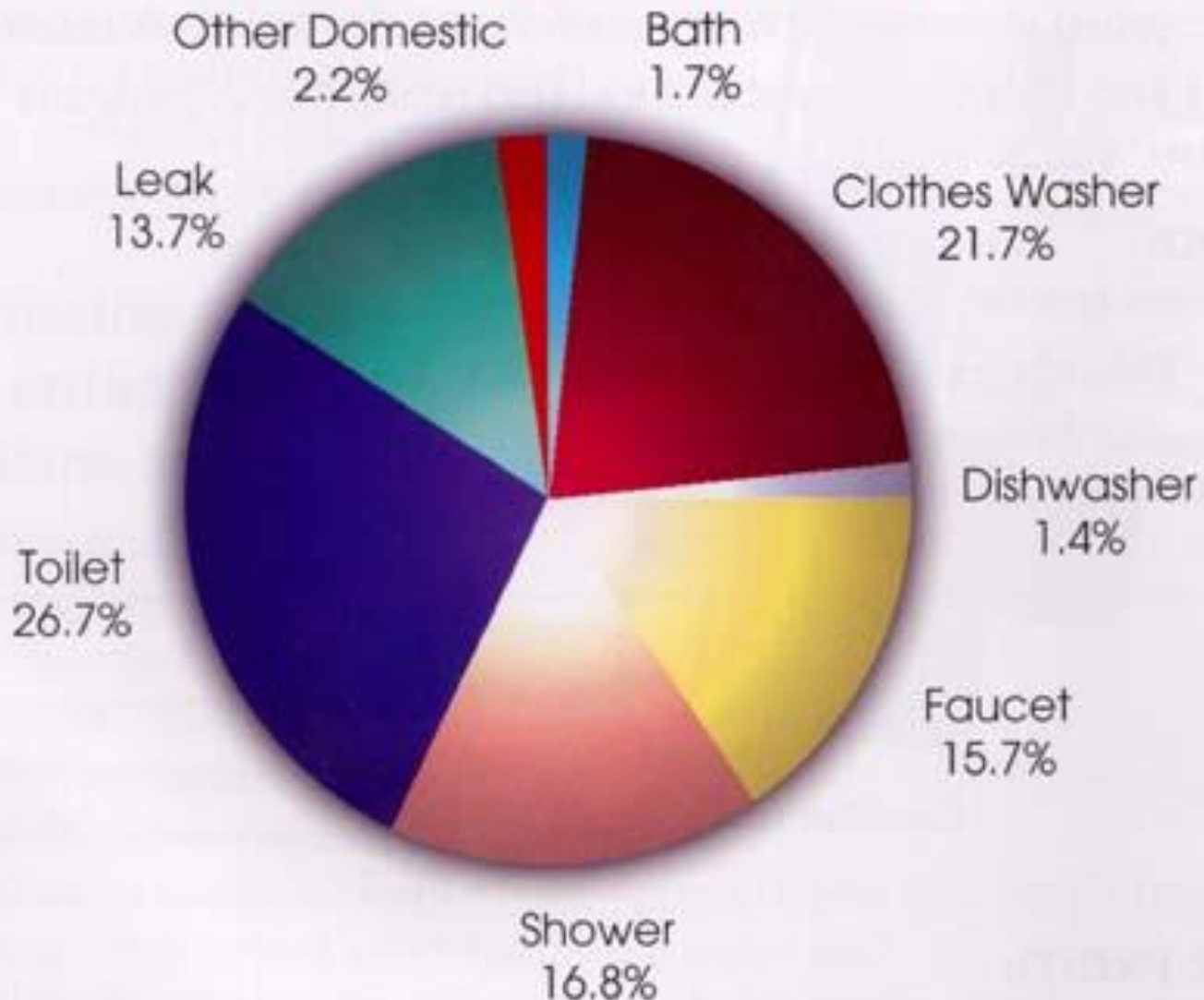
- Over 100 staff work very hard to get water to your homes everyday
 - Maintain pumps and wells
 - Install new pipes and valves
 - Repair and maintain leaky pipes
 - Operate treatment plant
 - Read meters and prepare bills
 - Prepare maps
 - Plan ahead

Cost of water

- It costs 4 to 5 Million dollars a year to run our water system
- Part of the costs is paid by the people of St. Kitts when they pay their water bills
 - 0 – 5,000 gallons/month EC\$7.20 per 1000 gallons
 - 5,001 –7,000 gallons/month EC\$9.60 per 1000 gallons
 - 7,001+ gallons/month EC\$12.00 per 1000 gallons
- Businesses such as hotels pay more
- Compare to bottled water – it costs EC\$14 for 5 gallons!

Water conservation

Residential Water Use



Sources: Residential End Uses of Water, AWWA Research Foundation

Water conservation

- Check household faucets for leaks. A faucet with even a slow drip takes 10 to 25 gallons of water. Just think, 15 drips per minute add up to almost 3 gallons of water wasted per day, 65 gallons wasted per month, and 788 gallons wasted per year!

Water conservation

- Use water only when you need it. Don't leave water running; be sure to turn it off when you are finished.
- Keep showers to 5 minutes or less in length. A five-minute shower takes 10 to 25 gallons of water.
- Use a broom to sweep your driveway, garage, or sidewalk instead of using water.

Water conservation

- Water your lawn in the evening or in the early morning to avoid evaporation. Be careful to water only the lawn and not the sidewalk or street.

Thank you!
Questions?

