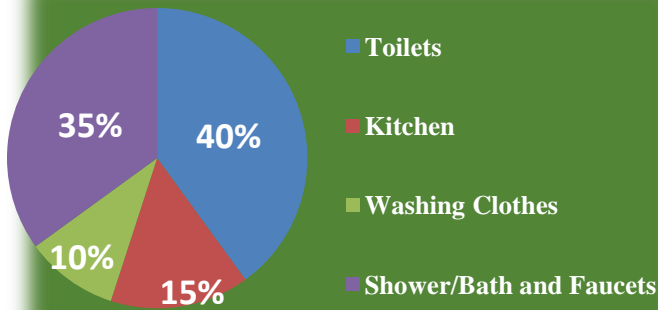


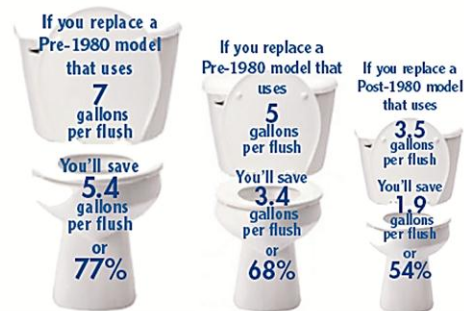
# Water Conservation

Managing water resources can produce immense cost savings and be key to a company's long term success. Better management of pumps, pipes, and maintenance can save time and money. By installing high efficiency units, water usage decreased by 35% in many businesses.

## Business' Typical Water Usage



### HOW MUCH WATER DOES INSTALLING A 1.6 GALLON TOILET SAVE?



Whether you replace one toilet in a single bathroom or several hundred toilets in a large commercial or residential complex, you can expect to see significant savings. For example, replacing a typical 3.5 gallon toilet with a 1.6 gallon model will save a family of four 11,096 gallons per year. That's a 54% reduction in toilet water use. The more water the toilet you're replacing uses, the more you'll save.

Image from: <http://www.mwra.state.ma.us/publications/ulftoilets.pdf>

## Ways to Conserve:

### Low-Flow Toilet

- Urinals offered
- Allows for a 20% decrease in water use per flush
- Average price of a toilet is \$500
- On average saves \$180 per month
- The average sized business uses 112200 gallons of water a year just for toilet usage. The cost per flush of a toilet is \$.002. The savings by changing to a low flow toilet are more than \$1000 annually.

### Sensor Faucet

- Save water by controlling usage based on hand movements
- Save water by being less likely to leak
- Reduces spread of germs in bathroom
  - Reduces days employees are sick
- Many also have aerators that reduce water usage while retaining spray coverage area
- Calculate potential savings: [www.sloanvalve.com/water\\_savings\\_calculator.aspx](http://www.sloanvalve.com/water_savings_calculator.aspx)

The approximate savings by using a sensor faucet can be between 60-80%

### Water Footprint Calculator (Available for free at [www.waterfootprint.org](http://www.waterfootprint.org))

Your water footprint is the total amount of freshwater used directly or indirectly

- WaterFootprint.org lists several reasons why it is important to track your water usage
  - *Physical risk* → companies may increasingly face freshwater shortage in their supply chain or operations
  - *Reputational risk* → corporate image may be damaged when questions arise among the public about equitable water use
  - *Regulatory risk* → governmental interference and regulation will increase
  - *Financial risk* → the previous risks may translate into increased costs or reduced revenues