



**Our Mission:** The American Littoral Society promotes the study and conservation of marine life and habitat, protects the coast from harm, and empowers others to do the same.

## THE FUTURE OF WATER AND US



- ◆ By 2025: Water withdrawals are predicted to increase by 50% in developing countries.
- ◆ By 2030: Half of the world will be living under high water stress conditions.
- ◆ By 2050: It is estimated that the Earth's population will reach 9.3 billion, but our available water resources will be more or less the same as they are now. Water will not be equally distributed across the globe.

# Save Green by Saving Blue

## A guide for conserving water in the home

Water is the most important resource in the world, and it is becoming quite scarce. Of all of the water on the planet, only 2.5% is freshwater. However, humans only have access to 0.3% of that water. Most of the freshwater on Earth is either locked away in glaciers and permanent snow cover, or is located underground and is inaccessible. As a result of stormwater runoff and various sources of contamination, the freshwater from our lakes and streams are not always safe for use. This leaves us with a very limited supply that is accessible and safe for human consumption.

On average, each New Jersey resident uses about 100 gallons of water a day which is equivalent to over 750 bottles of water! Although water is a natural resource, it is not free. New Jersey households pay a minimum of \$50 a month for water. About 14% of the water the average homeowner pays for is wasted. By making small water-conserving changes around the home, residents will not only save money but will be helping to protect and preserve water for future generations.

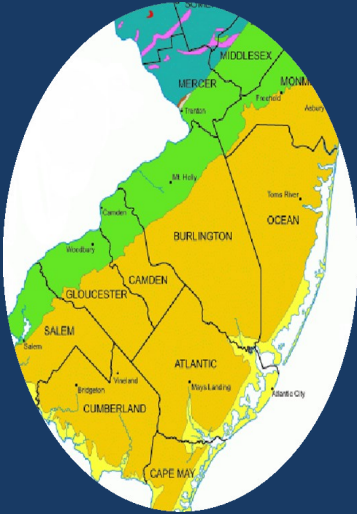
## INDOOR TIPS FOR RESIDENTS

Conservation Tip	Estimated Savings
Run the dishwasher only when full	2-4.5 gallons per load
Turn off faucet when rinsing dishes	2.5 gallons per minute
Shorten showers	2.5 gallons per minute
Turn off faucet while brushing teeth	2 gallons per minute
Wash only full loads of clothes	15-50 gallons per load
Fix leaky toilets	30-50 gallons per day per toilet
Fix leaky faucets	15-20 gallons per day per leak
Install aerators on kitchen & bathroom faucets	4.7 gallons per day
Replace older, inefficient clothes washers	20-30 gallons per load
Replace older, high-volume flushing toilets	2.2-3.8 gallons per flush

## OUTDOOR TIPS FOR RESIDENTS

### KIRKWOOD-COHANSEY AQUIFER

Aquifers are bodies of permeable rock that can contain or transmit groundwater. The Kirkwood-Cohansey Aquifer encompasses most of the Coastal Plain region of NJ.



The Kirkwood-Cohansey Aquifer is subject to contamination at the surface from stormwater runoff and salt water intrusion from nearby bays, tidal marshes and the ocean are affecting the groundwater supply.

The largest withdrawal of the aquifer is for domestic water use. Agriculture and mineral extraction are the second and third highest withdrawals. In total, over 100,000 gallons a day are used from this aquifer.



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### Conservation Tip Estimated Savings

Irrigate lawn and plants in the late evening or early in the morning	20-25 gallons per day
Do not overwater!	
<ul style="list-style-type: none"> <li>Reduce each irrigation cycle by 1-3 minutes, or eliminate one irrigation cycle per week</li> <li>Water only after the top inch of soil is dry</li> </ul>	15-25 gallons per day
Adjust sprinklers to prevent overspray onto sidewalks and runoff	15-25 gallons per day
Repair leaks on hoses and irrigation systems	10 gallons per minute per leak
Add 2"-3" of mulch around trees & plants to reduce evaporation	20-30 gallons per day per 1,000 sq. ft.
Install water-efficient drip irrigation system for trees, shrubs, & flowers	20-25 gallons per day
Upgrade to a "smart irrigation controller" that automatically adjusts watering times for hotter weather and shuts down the system when it rains	40 gallons per day
Replace a portion of lawn with NJ native plants. For NJ native plant list, check out <a href="http://www.npsnj.org">www.npsnj.org</a> and <a href="http://www.njisst.org">www.njisst.org</a>	33-60 gallons per day per 1,000 sq. ft. depending on climate
Use a broom to clean driveways and sidewalks	8-18 gallons per minute
Keep hose from running while washing your car	8-18 gallons per minute
Repair any leaks around pool and spa pumps	20 gallons per day per leak
Install covers on pools and spas to reduce evaporation	30 gallons per day

**TAKE THE 20  
GALLON  
PLEDGE!**

*Please visit [www.sjwatersavers.org](http://www.sjwatersavers.org) for more information and to take the pledge to reduce your daily water use to 20 gallons a day to protect the Kirkwood-Cohansey aquifer and to do your part to ensure safe drinking water for all mankind.*

**SOUTH JERSEY  
WATER SAVERS**

[www.sjwatersavers.org](http://www.sjwatersavers.org)

#### RESOURCES:

[rethinkwatersites.org/pdf/20GallonChallengeTipsRes.pdf](http://rethinkwatersites.org/pdf/20GallonChallengeTipsRes.pdf)  
<http://www.state.nj.us/dep/njgs/enviroed/freedwn/psnjmap.pdf>  
[www.nj.gov/dep/watersupply/conserve.htm](http://www.nj.gov/dep/watersupply/conserve.htm)  
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