



Quest Water
Solutions Inc.
Innovating for Today's Water

100+

WATER SAVING TIPS



SIMPLE TIPS TO SAVE WATER INDOORS, OUTDOORS, AND IN DAILY LIVING



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The Global water crisis is real. The number of people who lack access to clean water is in the billions. Not just in far away developing countries, but in all parts of the world.

While it may be difficult to put yourself in the shoes of an African family struggling to find clean water, it's important to understand that the world's water crisis affects everyone, even in the United States. It has been reported that as many as 36 states may face water shortages in the next decade. So what can you do to help end the global water crisis and ensure that our children and grandchildren will have access to this precious resource?

Well, as it turns out, you can do a lot. In fact, you may be surprised at how just a few small personal changes can have a truly dramatic impact.

Fix leaking taps and running toilets, curb bad habits like running the faucet while brushing your teeth or leaving the hose on while washing your car. Wash only full loads of clothes and use energy saving appliances.

To help you, we've created this guide to get a better sense of what your individual impact is and which parts of your lifestyle deserve the greatest attention.

Armed with this type of information, you can take effective action to shrink your water use footprint by as much as 100 gallons per day.

Try to do one thing each day that will result in saving water. Don't worry if the savings are minimal. Every drop counts.

You can make a difference.

INDOOR WATER-SAVING TIPS

TOP 5 INDOOR TIPS

- GET OUT THE WRENCH AND CHANGE THE WASHERS ON YOUR SINKS AND SHOWERS. A DRIPPING FAUCET CAN WASTE 20 GALLONS OF WATER A DAY. A LEAKING TOILET CAN USE 90,000 GALLONS OF WATER IN A MONTH.
- CULTIVATE GOOD WATER HABITS, TURN OFF THE WATER WHILE BRUSHING YOUR TEETH OR SHAVING
- READ YOUR NEXT WATER BILL WHEN IT ARRIVES. MAKE A COMMITMENT TO LOWER YOUR USAGE BY 20%
- INSTALL NEW FIXTURES- LOW-VOLUME OR DUAL FLUSH TOILETS, LOW-FLOW SHOWERHEADS, WATER-EFFICIENT DISHWASHERS AND CLOTHES WASHING MACHINES CAN ALL SAVE A GREAT DEAL OF WATER AND MONEY.
- TIME YOUR SHOWER TO KEEP IT UNDER 5 MINUTES. YOU'LL SAVE UP TO 1,000 GALLONS A MONTH AND IT COULD HELP YOU GET TO WORK ON TIME!



BATHROOM

1. Turn off the tap water running while brushing your teeth.
2. Turn off the tap water while shaving; instead plug the sink to rinse your razor.
3. When washing your hands, turn the tap off while you lather.
4. Brushing your teeth in the shower saves both time and water.
5. Consider turning off the water in the shower while washing your hair.
6. Install a water efficient showerhead to save water and energy.
7. A displacement device can be placed in your toilet tank to reduce the amount of water your toilet uses.
8. Does your toilet flapper close after flushing? If not, replace it.
9. Older toilets use much more water than newer models; if you can, replace your old toilets with more efficient ones.
10. Avoid using excessive amounts of hand soap when washing your hands to reduce the amount of rinsing required.
11. If your toilet is leaking, fix it immediately.
12. Plug your bathtub before you start running the water for a bath.
13. Check your toilet for leaks, Fixing a leaky toilet can save 1000 gallons of water monthly.
14. Make your shower shorter.
15. To help you keep your shower short, use a timer.
16. Insulate hot water pipes to reduce water wasted while waiting for water to heat up.
17. Use the half flush if flushing a dual-flushing system toilet.
18. Young children can share a bath to save water.
19. Your toilet is not a wastebasket, toss facial tissues in the trash instead of flushing.
20. Try to flush the toilet less often.

MORE INDOOR TIPS



KITCHEN

21. SOAK DIRTY DISHES INSTEAD OF RINSING THEM UNDER RUNNING WATER.
21. AN INSTANT WATER HEATER INSTALLED CLOSE TO YOUR KITCHEN SINK WILL HELP YOUR TAP WATER HEAT UP FASTER.
23. CHECK TO SEE THAT EACH OF YOUR FAUCETS HAS A WATER SAVING AERATOR.
24. WE OFTEN MAKE MORE COFFEE THEN WE'LL DRINK; DECIDE HOW MANY CUPS YOU NEED TO MAKE BEFORE FILLING YOUR COFFEE MAKER WITH WATER.
25. WHEN WASHING VEGETABLES, FILL A BOWL WITH WATER INSTEAD OF RINSING THEM AS YOU GO.
26. IF WASHING DISHES BY HAND, FILL THE SINK HALF WAY INSTEAD OF RINSING THEM AS YOU GO.
27. DEFROST FOOD IN THE FRIDGE OVERNIGHT INSTEAD OF SOAKING IT IN WATER TO SPEED UP THE PROCESS.
28. WHEN WASHING YOUR HANDS AT HOME, FILL THE SINK WITH WATER INSTEAD OF HOLDING YOUR HANDS UNDER RUNNING TAP WATER.

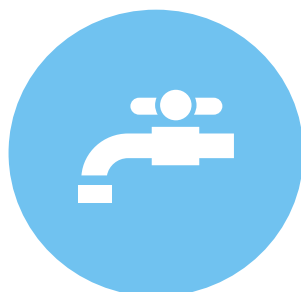


ADDITIONAL INDOOR TIPS

29. KEEP THE WATER PRESSURE LOW WHILE WAITING FOR THE WATER FROM YOUR KITCHEN TAP TO HEAT UP.
30. AVOID USING EXCESSIVE AMOUNTS OF DETERGENT WHEN WASHING DISHES BY HAND TO REDUCE THE AMOUNT OF WATER NEEDED FOR RINSING.
31. WAIT UNTIL THE DISHWASHER IS FULL BEFORE TURNING IT ON.
32. DO YOU RUN WATER UNTIL IT IS COLD ENOUGH TO DRINK? INSTEAD, KEEP A JUG IN THE FRIDGE FOR COLD DRINKING WATER.
33. BY USING A WATER BOTTLE TO HOLD YOUR DAILY DRINKING WATER, YOU CAN REDUCE THE NUMBER OF DISHES THAT NEED WASHING.
34. REDUCE HOW OFTEN YOU USE YOUR GARBURATOR – COMPOST IF YOU CAN.
35. ADD A FLOW REGULATOR TO THE TAP IN YOUR KITCHEN SINK.
36. WHEN MAKING TEA, MATCH THE AMOUNT OF WATER YOU PUT IN YOUR KETTLE WITH THE SERVING SIZE.
37. DON'T THROW AWAY THE WATER USED FOR BOILING VEGETABLES; LET THE WATER COOL THEN USE IT FOR WATERING YOUR PLANTS.

LAUNDRY

38. CONSIDER YOUR CHOICE OF WASHING MACHINES, FRONT LOAD WASHERS TEND TO USE LESS WATER THAN TOP LOAD WASHERS.
39. WAIT UNTIL YOU HAVE A FULL LOAD BEFORE RUNNING THE CLOTHES WASHER.



OUTDOOR WATER-SAVING TIPS

TOP 5 OUTDOOR TIPS

- **GO BEYOND THE LAWN NATURALIZE IT USING LOCALLY APPROPRIATE PLANTS THAT ARE HARDY AND DON'T NEED A LOT OF WATER.**
- **IF YOU HAVE TO WATER, DO IT DURING THE COOLEST PART OF THE DAY OR AT NIGHT TO MINIMIZE EVAPORATION**
- **HARVEST YOUR RAINWATER PUT A RAIN BARREL ON YOUR DOWNSPOUTS AND USE THIS WATER FOR IRRIGATION.**
- **KEEP YOUR EYES OPEN REPORT BROKEN PIPES, OPEN HYDRANTS, AND EXCESSIVE WASTE.**
- **DON'T BE AFRAID TO LET YOUR LAWN TURN BROWN DURING THE DRYER SEASONS, YOUR GROUND WILL REBOUND QUICKLY AFTER A RAINFALL.**

GARDEN/LAWN

40. Catch water in an empty tuna can to measure sprinkler output. One inch of water on one square foot of grass equals two-thirds of a gallon of water.

41. Check your sprinklers to ensure that the water is hitting your lawn and not the sidewalk or driveway. **42.** Water your garden in the morning or evening to save water; less water evaporates when the temperature is cooler. **43.** Adding a layer of mulch to your garden helps the soil retain water. **44.** Aerate your soil during the summer months.

45. If the soil in your garden is moist two inches below the surface, it doesn't need to be watered yet. **46.** Don't cut your lawn too short – taller blades of grass help the soil retain more moisture.

47. Water by hand when possible, reserve sprinklers for large areas of your lawn.

48. Add patios and walkways to your property – you won't need to water as much. **49.** Make sure that your irrigation system is turned off when it's raining.

50. Add shrubs to your property to reduce the size of your lawn (and the amount of watering required). **51.** Check your sprinkler system valves for leaks.

52. Watering your plants less frequently, but more deeply, not only saves water, but also helps increase their tolerance to droughts. **53.** To avoid overwatering, time yourself when watering your lawn.

- 54. CLUSTER YOUR PLANTS TOGETHER TO MAXIMIZE WATERING EFFICIENCY.**
- 55. CHOOSE A SPRINKLER SYSTEM THAT DISPERSES LARGE WATER DROPLETS; SMALLER WATER DROPLETS OR MIST CAN EASILY EVAPORATE BEFORE REACHING THE SOIL.**
- 56. TRY NOT TO REMOVE THE LOWER BRANCHES ON TREES OR SHRUBS AS THEY HELP KEEP THE SOIL BENEATH THEM MOIST.**
- 57. TRY NOT TO WATER YOUR LAWN ON WINDY DAYS.**
- 58. IF YOUR LAWN EXPERIENCES SIGNIFICANT RUNOFF, WATER IT IN SHORTER PERIODS INSTEAD OF ALL AT ONCE TO HELP WITH ABSORPTION.**
- 59. PLAN WATERING YOUR GARDEN BY CHECKING THE WEATHER FORECAST FIRST.**
- 60. CONSIDER PLANTING DROUGHT TOLERANT PLANTS ON YOUR PROPERTY, AS THEY DON'T NEED MUCH WATER TO GROW.**

MORE OUTDOOR WATER-SAVING TIPS

61. APPLY TOP DRESSINGS TO NEW LAWNS TO MINIMIZE THE AMOUNT OF WATER THEY'LL REQUIRE.
62. DON'T BE AFRAID TO LET YOUR LAWN TURN BROWN DURING THE DRYER SEASONS, YOUR GROUND WILL REBOUND QUICKLY AFTER A RAINFALL.
63. USE A WATERING CAN INSTEAD OF A HOSE WHEN WATERING YOUR GARDEN.
64. COLLECT THE WATER FROM YOUR DOWNSPOUT FOR YOUR GARDEN, OR AIM IT TOWARDS SHRUBBERY IN YOUR YARD.
65. USE ICE CUBES TO WATER YOUR HANGING AND POTTED PLANTS – YOU'LL LOSE LESS WATER TO WATER OVERFLOW.
66. PLANT DURING THE WET MONTHS WHEN LESS WATERING IS REQUIRED.
67. WATER AROUND THE ROOTS OF YOUR PLANTS TO AVOID WATER LOSS DUE TO EVAPORATION.
68. PLACE A BUCKET IN THE SHOWER TO COLLECT WATER AS IT WARMS UP, AND THEN USE IT FOR WATERING PLANTS.

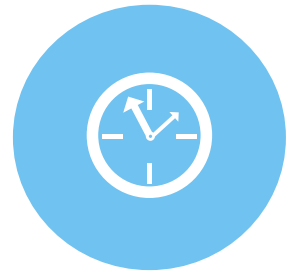


POOL

69. RECREATIONAL WATER TOYS CAN USE A LOT OF WATER; TRY TO AVOID THE ONES THAT REQUIRE CONSTANT WATER FLOW.
70. DOES YOUR POOL HAVE AN AUTOMATIC REFILLING DEVICE? IF SO, CHECK IT REGULARLY TO DETECT LEAKS EARLY.
71. TO CHECK TO SEE IF YOUR POOL HAS A LEAK, MARK ITS WATER LEVEL AT THE SKIMMER AND THEN CHECK THE MARK A DAY LATER.
72. DON'T OVERFILL YOUR POOL; ONLY FILL YOUR POOL HALFWAY UP THE SKIMMER OPENING.
73. KEEP A COVER OVER YOUR POOL TO REDUCE WATER LOSS DUE TO EVAPORATION

MORE OUTDOOR TIPS...

74. DON'T USE A HOSE TO CLEAN YOUR PATIO – USE A BROOM OR VACUUM INSTEAD.
75. INSTEAD OF POURING LEFTOVER WATER FROM YOUR PET'S BOWL DOWN THE DRAIN, POUR IT ON A PLANT.
76. IF YOU HAVE A HOT TUB, KEEP A COVER ON IT TO MINIMIZE EVAPORATION. WASH YOUR PETS OUTDOORS
77. LOOK FOR PRODUCTS BEARING THE EPA WATERSENSE LABEL FOR ITEMS THAT BEEN CERTIFIED TO SAVE 20% OR MORE WITHOUT SACRIFICING PERFORMANCE
78. TURN OFF THE WATER WHILE WASHING YOUR CAR.
79. IF YOUR CHILDREN WANT TO COOL OFF IN THE SPRINKLER, LET THEM PLAY IN AN AREA OF THE YARD THAT NEEDS WATERING.



LIFESTYLE WATER-SAVING TIPS

80. Consider installing a drip irrigation system for your lawn.

81. New properties, choose lawn types that require less water. **82.** If you have a fish tank, don't throw out the old water when cleaning it – use the water for your plants.

83. Your choice of plants for your garden affects how much water your property will require.

84. Choose a commercial car wash that recycles water.

85. Exchange water-saving tips with friends and neighbors.

86. Avoid leaky taps by remembering to not turn them off too tightly. **87.** Fix leaky taps around the home to save hundreds of gallons of water per month. **88.** If you have ideas about how to save water at work, inform your colleagues. **89.** When selecting a fountain, choose one that has a recirculating pump. **90.** Flush your toilet less often. **91.** If you spot a broken pipe or hydrant in your neighborhood, notify someone right away.

92. Don't buy water fountains that spray water into the air – much of that water evaporates. **93.** Only pour yourself as much water as you intend to drink. **94.** If you own an air conditioner that is cooled with water, consider replacing it with one that is air-cooled. **95.** When purchasing a refrigerator, purchase one that's cooled with air – not water. **96.** Winterize your pipes to prevent them from bursting in colder months.

97. CHECK YOUR WATER BILL AND METER OFTEN TO DISCOVER LEAKS.

98. CONSIDER REUSING YOUR TOWELS BEFORE THROWING THEM IN THE LAUNDRY.



LIFESTYLE WATER-SAVING TIPS

- 99. REPLACE OLD APPLIANCES WITH MORE EFFICIENT ONES TO SAVE WATER AND MONEY ON YOUR ENERGY BILL.
- 100. THE WATER USED BY YOUR WASHING MACHINE CAN BE CAPTURED AND DIVERTED TO YOUR GARDEN. ASK FOR A GREYWATER DIVERTER AT YOUR HARDWARE STORE.
- 101. IN SOME CASES, THE WATER FROM YOUR SHOWER CAN BE CAPTURED AND DIVERTED TO YOUR GARDEN – ASK YOUR PLUMBER.
- 102. A RAINWATER TANK CAN BE INSTALLED IN YOUR HOME TO COLLECT WATER AND USE IT TO FLUSH YOUR TOILETS.



ABOUT US

Quest Water Solutions Inc. is an alternative water technology company providing sustainable and environmental solutions to water scarce regions.

Quest Water Solutions is a vertically integrated innovative water technology company committed to creating cost-effective sustainable, and environmentally sound solutions to meet growing demand for fresh water. The company is comprised of multiple segments of the water industry: water extraction, water purification, water supply, and water recovery.

The Company's three innovative water technologies are each energy-efficient, cost-competitive, and environmentally sound:

- Core technologies used in operations include Quest Water's proprietary, scalable water extraction and Publication systems (WEPS). The technology works by converting humidity into water; known as atmospheric water extraction, and ranging in production capacity from 500 to 20,000 liters per day that can be adapted to a variety of custom configurations and applications.
- Quest Water's technology portfolio includes Swiss made solar and wind powered water publication systems for treatment and purification of impure water sources, providing pure water, anywhere and at any time. Equipment is highly mobile, with production capacity ranging from 7,000 to 20,000 liters per day.
- Our technology portfolio also includes a patented sewage and waste water treatment system. This technology is a continuous-flow water/suspended solids primary separation system. The process mechanically separates suspended solids from liquids, without the use of membranes or filters.



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