

Water Conservation:

Water is the main element of life if not life itself. This meaning is particularly profound in the State of Qatar that lies in a desert environment characterized by the high temperature, lack of rain, and yet few sources of groundwater. Considering this state of affairs, the State have embarked on huge desalination projects that witness continuous expansion and development in terms of quantity and quality in order to meet the increasing demand on water. In fact, these projects cost billions of riyals in order to provide potable water resources to all citizens for the welfare and water security of the Qatari community (in the broadest meaning of the word security).

It is known that humans use water excessively overlooking the fact that it is far more important than any other natural or artificial resource whatever expensive it may. Also, it is not a renewable resource and as thus it may suffer shortage and scarcity at any time. The main reason for this denounced behavior is the lack of awareness of the implicators of the excessive and random water consumption implications that constitutes a tremendous threat to State stability and national development; not to mention the negative impacts on the environment.

Water experts argue that the most serious problem the world faces in the 21st century is the lack of water supply required to meet the needs of world population in addition to development, agricultural, and industrial plans. This claim is particularly true in the shade of the continuous decline of fresh water resources. Experts also believe that if water consumption remains at the same high rate, water crisis will be the severest world have ever witnessed.

As such, we all should Save water to Last.

Indoors:

How to reduce water consumption at home?

Teeth brushing:

- Turn tap off while brushing your teeth, and use a glass of water instead.
- Turn off the tap while washing your face, or shaving.
- Use a regulator to reduce the amount of water consumed.

Having a bath:

- Use the shower instead of filling the bathtub and if used don't fill it to the top.
- Use a smaller shower tip.
- Install a valve or a regulator to stop water flow while washing.



Water Conservation Guide

At the kitchen :

- Cleanse fruits and vegetables by filling the sink or a container to avoid water misuse.
- Don't pour water on the frozen stuff; instead, get them out of the fridge one day prior to usage or put them in the lower part of the fridge .
- Get the amount of water you need to drink or to fix coffee / tea.
- To wash the dishes, fill in the sink to soak them before washing.
- Operate the dish washer in its full capacity.
- Checktaps and water pipes regularly for leakage.

To check Leakage:

- Close all faucets and spigots.
- Wait for 5 minutes, then check the water meter, if it still works, it means there's a leakage.
- Get a technician to detect the leakage and fix it.



Outdoors:

The Garden :

- Drip or spray systems are modern irrigation techniques that save water.

Car washing :

- Don't misuse water by using a hose, you can wash your car by two containers at the most.

Swimming pool :

- As it consumes great amount of water, here are water conservation tips for swimming pools:
- Keep water level in the pool down.
- Cover the pool area with an umbrella to reduce vaporisation rate.
- Check walls, filters, and drainage system to avoid water leakage.

At School :

- Never consider water as an amusement tool.
- Report leakage to the supervisor.
- Direct the farmer to use spray irrigation system.

Water Saver :

- Water saver mixes water with air to reduce the amount of water consumed.
- You can install this tool behind shower tip or use a valve instead.



Water Meters & Consumption Calculation:

If you have a small garden at home, normal consumption shall be as follows:

| Family Members | Monthly Consumption (in m ³) | Bill Cost | |
|----------------|--|-----------|-----|
| 1 | 10 | | 44 |
| 3 | 23 | 2 | 11 |
| 5 | 38 | 2 | 167 |
| 7 | 53 | 2 | 233 |
| 9 | 68 | 2 | 299 |
| 11 | 83 | 2 | 365 |

We appreciate it if your consumption goes in line with the above table and thank you for saving water for yourself and the coming generations.

Method to Calculate Consumption

Meters are divided into two parts :

A white section of black figures.

A red section of white figures.

Figures in the white section refer to the counted units (i.e.m³) (1 m³ = 100 L.) while white figures refer to liters.

Example: when the reading is 66.4321: it means 4321 m³, and 65 L.

How to calculate consumption :

- Record meter readings for two successive days.
- Subtracts the first reading from the second, to get your consumption rate in one day.
- In case two readings are recorded in two separate days, divide the result by the number of days to get the consumption rate in one day or divide it by family members to get consumption rate / person.

Consumption / Day:

Example : readings are recorded on March 1st and March 31st
in between days = 30 days.

Consumption rate = 45 m³ (the difference between the two readings)

Consumption per day = 45 ÷ 30 = 1.5 m³

Suppose family members = 5.

Consumption / person = 1.5 ÷ 5 = 0.3 m³ / person/ day.

