

# global water reuse

Wastewater reuse helps address growing global water scarcity



**1 billion**  
people globally  
do not have  
access to clean,  
drinkable water.



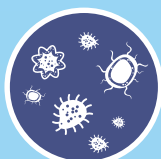
Global water  
requirements will  
**↑ 50%**  
in **20 years**




**By 2030,**  
half the world population  
will face **water scarcity**.<sup>1</sup>

## water reuse

### 3-step process of treating wastewater

**1**  Ultrafiltration of treated wastewater **removes solids, oils and bacteria.**

**2**  Reverse osmosis pushes the treated wastewater through a fine plastic membrane that **filters out viruses and pharmaceuticals.**

**3**  Ultraviolet light removes any **remaining organic compounds.**

## facts

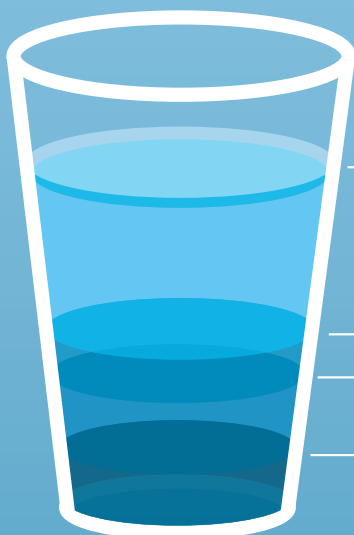


Recycled sewage will be a normalized source of drinking water in cities around the world **within 30 years**.<sup>2</sup>



**Global underutilization of wastewater** is comparable to the **outflow from the Mississippi River** into the Gulf of Mexico for 14 months.<sup>3</sup>

## Percent of generated wastewater treated, by country:



**70%**  
High-income  
countries

**38%**  
Upper-middle  
income countries

**28%**  
Lower-middle  
income countries

**8%**  
Low-income  
countries

## stats



In Texas, water reuse projects and plants are **using potable-reuse technology** to **produce 2-5 million gallons** of water a day.<sup>4</sup>



Florida **reuses 660 million gallons** of reclaimed water **each day**.<sup>5</sup>



Only about **32% of the wastewater** generated in **Asia** is treated.<sup>6</sup>



Perth, Australia will receive up to **20% of its drinking water** from **reclaimed sources** in coming decades.<sup>7</sup>



China experiences a water deficit of **10.5 trillion gallons** each year.

For more information, visit [www.dupont.com/water/](http://www.dupont.com/water/)

Sources:  
<sup>1</sup> <http://www.cnn.com/2014/05/01/world/from-toilet-to-tap-water/>  
<sup>2</sup> <http://www.cnn.com/2014/05/01/world/from-toilet-to-tap-water/>  
<sup>3</sup> <http://unu.edu/media-relations/releases/rising-reuse-of-wastewater-in-forecast-but-world-lacks-data>  
<sup>4</sup> <http://www.nytimes.com/2013/02/08/us/potable-water-reuse-ideas-go-forward-in-texas-despite-concerns>  
<sup>5</sup> <http://www.dep.state.fl.us/water/reuse/>  
<sup>6</sup> <http://unu.edu/media-relations/releases/rising-reuse-of-wastewater-in-forecast-but-world-lacks-data>  
<sup>7</sup> <http://www.cnn.com/2014/05/01/world/from-toilet-to-tap-water/>

