Portable Restroom Water Savings

Estimated Restrooms Globally: 3,400,000 Restrooms
Estimated Average Weekly Restroom Pump Out: 22 Gallons
5 gallons charge, 15 gallons waste, 2 gallons handwash gray water
Estimated Average Water Use Per Flush For A Fixed Toilet: 1.6 Gallons
Estimated Contribution Of Waste Per User: 8 Ounces

Using the numbers above, the following calculations are for gallons of water saved per week:

Restrooms
15 (gallons waste) x 128 (ounces per gallon) = 1920 ounces of waste per restroom
1920 ounces ÷ 8 ounces = 240 uses
240 uses x 1.6 gallons = 384 gallons of water saved per restroom
384 gallons x 3,400,000 = 1,305,600,000 gallons of water saved globally per week

Handwash Stations
2 gallons x 3,400,00 restrooms = 6,800,000 gallons saved using handwash per week

Restroom & Handwash Stations
1,305,600,000 + 6,800,000 = 1,312,400,000 gallons of water saved

The following numbers indicate the number of gallons water saved per day:

1,312,400,000 gallons ÷ 7 days = 187,485,714 gallons of water saved at 100% global restroom utilization
131,240,000 gallons saved at 70% global restroom utilization

125,000,000 gallons saved per day at 67% global restroom utilization