

Comparison: Bottled Water vs Cabin Clean Water Filter

**216 one litre
bottles/pallet**



**Sufficient water for
about 22 people for
one day
(10L/person/day).**

**Weight: about 240
Kg or 440 pounds**

**Cost: At least \$0.40 per
bottle, \$86.40/pallet.**

**Cost for 22 people for one year:
\$86.40/day x 365 days equals
\$32,536.00.**

**Cost for one person for one year is
\$1,478.91.**

**Produces more than 10 litres per hour including
consideration of lost production during cleaning.**



**Produces sufficient
water in one day for
20 people assuming
filter is used for 20
hours each day.
(10L/person/day).**

**Weight: about 12
Kg or 26.4 pounds**

**Filter cost to consumer is \$300 or as
low as \$50 if purchased in quantity
(life of 20 years or more).**

**Assume total cost is for first year of
use for 20 people is \$300 or \$50.**

**Cost for one person for one year is
\$15.00 or \$2.50.**

Case Study: Emergency Response Puerto Rico hurricane 2018 (CNN).



20,000 pallets of bottled water (432,000 person-days survival supply). Enough for 1,184 people per year.

Cost of at least \$2,000,000 delivered by truck or helicopter. Consumed after one year. No legacy.

20,000 pallets worth of plastic bottles to waste/year.

Cabin Clean Water Filter: Assuming 5 people per family, it follows that about 237 filters would be required for 1,184 people. (Note that this will only use 1/4 the daily treatment capacity of a filter.)

Cost would be about \$71,100 (assuming price of filter is \$300.) delivered by truck, helicopter, car, motorcycle, bicycle, mule, horse, camel or person.

Filter can be used for at least 10 years. Cost per family of five over ten years is \$30.00 per year (\$6.00 per year per person).

No plastic bottles to waste.

See www.cabincleanwaterfilter.com and www.manzwaterinfo.ca