

CHARTS TO DEMONSTRATE SAVINGS ON EMERGENCY WATER STORAGE
Water Drum Storage (Preferred Method) Vs. Plastic Water Bottles/Containers (Not Recommended)

Approximate Family of Four (4) Savings for 5 years storing in water drums = \$1, 200
Approximate Family of Four (4) Savings for 20 years in storing in water drums is over \$5,700

COSTS FOR PACKS OF TWENTY-FOUR (24) 16.9 OUNCE BOTTLES

| # of Persons | Bottles in Pack | Ounces in bottle | Ounces in Pack | Gallons in Pack | Gallons needed for 7 days | Packs needed | # of times rotated out per year | Packs needed per year | Average \$ per pack | Average Cost Per Year | Cost over 5 years | Cost over 20 years |
|--------------|-----------------|------------------|----------------|-----------------|---------------------------|--------------|---------------------------------|-----------------------|---------------------|-----------------------|-------------------|--------------------|
| 1 | 24 | 16.9 | 405.6 | 3.17 | 21 | 6.63 | 3 | 19.88 | 3.85 | \$76.54 | \$382.72 | \$1,530.89 |
| 2 | 24 | 16.9 | 405.6 | 3.17 | 42 | 13.25 | 3 | 39.76 | 3.85 | \$153.09 | \$765.44 | \$3,061.78 |
| 3 | 24 | 16.9 | 405.6 | 3.17 | 63 | 19.88 | 3 | 59.64 | 3.85 | \$229.63 | \$1,148.17 | \$4,592.66 |
| 4 | 24 | 16.9 | 405.6 | 3.17 | 84 | 26.51 | 3 | 79.53 | 3.85 | \$306.18 | \$1,530.89 | \$6,123.55 |



COSTS FOR 2.5 GALLON CONTAINERS

| # of Persons | Gallons in Container | Gallons needed for 7 days | # of Containers needed | # of times rotated out per year | # of Containers needed per year | Average \$ per Container | Average Cost Per Year | Cost over 5 years | Cost over 20 years |
|--------------|----------------------|---------------------------|------------------------|---------------------------------|---------------------------------|--------------------------|-----------------------|-------------------|--------------------|
| 1 | 2.5 | 21 | 8.4 | 3 | 25.2 | \$3.50 | \$88.20 | \$441.00 | \$1,764.00 |
| 2 | 2.5 | 42 | 16.8 | 3 | 50.4 | \$3.50 | \$176.40 | \$882.00 | \$3,528.00 |
| 3 | 2.5 | 63 | 25.2 | 3 | 75.6 | \$3.50 | \$264.60 | \$1,323.00 | \$5,292.00 |
| 4 | 2.5 | 84 | 33.6 | 3 | 100.8 | \$3.50 | \$352.80 | \$1,764.00 | \$7,056.00 |



PREFERRED: COSTS FOR TWO (2) 55-GALLON WATER DRUMS

| # of Persons | Gallons needed for 7 days | Price Per Gallon | Cost to Fill Two (2) 55 Gallon Drums with Water | Cost Two (2) 55-Gallon Drums Systems (Drum, Purifier, Pump, Wrench) | Cost for 5 Years to keep 110 Gallons of Water in Drums | Replacement Equipment | | | Total Cost of Equipment Replacement 3 times (20 Yrs) | Approx Cost to Fill Drums with Water 3 More Times (20 Yrs) | Cost Over 20 Years |
|--------------|---------------------------|------------------|---|---|--|----------------------------|---|----------------------------------|--|--|--------------------|
| | | | | | | Cost of One (1) Water Pump | Cost of One (1) Bung Wrench (if needed) | Cost of Two (2) Water Preservers | | | |
| 1 | 21 | 0.005 | \$0.55 | \$200.00 | \$200.55 | \$16.00 | \$17.00 | \$24.00 | \$171.00 | \$1.65 | \$373.20 |
| 2 | 42 | 0.005 | \$0.55 | \$200.00 | \$200.55 | \$16.00 | \$17.00 | \$24.00 | \$171.00 | \$1.65 | \$373.20 |
| 3 | 63 | 0.005 | \$0.55 | \$200.00 | \$200.55 | \$16.00 | \$17.00 | \$24.00 | \$171.00 | \$1.65 | \$373.20 |
| 4 | 84 | 0.005 | \$0.55 | \$200.00 | \$200.55 | \$16.00 | \$17.00 | \$24.00 | \$171.00 | \$1.65 | \$373.20 |



NOTES

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| All Prices are Approximate or Averaged, and don't account for inflation of prices. |
| Plastic Water Bottles and Containers should not be stored for over 6 months and must be stored on a clean surface. Do not store water bottles on surfaces that have been contaminated with chemicals. |
| Ensure that your Water Drums are heavy duty molded plastic construction - polyethylene. BPA-free. FDA-DOT approved. Use a water preserver with a 5-year shelf life. |
| By using Water Drums, you not only save money, you save the environment, time shopping for, moving and storing water bottles/containers. |
| Water Drums can be used over the course of 20 years. Rotate water out every 5 years. Be sure to use a water preserver each time. Label the top of the drum in permanent ink the dates of rotation. |

Created by Sherry Colgan Stone - December 2010