

# Living Water™ Treatment System (LWTS™)

**An effective community-based water purification system for use in developing countries and disaster areas.**

- Treats contaminated surface and ground water
- Reduces waterborne disease by removing pathogens
- Treats 10 gallons per minute, as much as 10,000 gallons per day
- Rugged design – transportable by pick-up truck
- Sets up in less than an hour– operational in three hours
- Supports a community of up to 3,000 people
- Operating cost estimate is \$.73 per 1,000 gallons (electricity available)

## Items Included

### Cage 1: Filtration System

- Primary and secondary back-washable filters
- Chlorinator with easy-to-use test strips for monitoring

### Cage 2: Support Equipment

- Surface or submersible pump
- Operating supplies for one year
- Assembly and maintenance tools
- Assembly and operational manuals

### Cage 3: Water Tank

- One 275-gallon storage tank for filtered water

## Technical Specifications

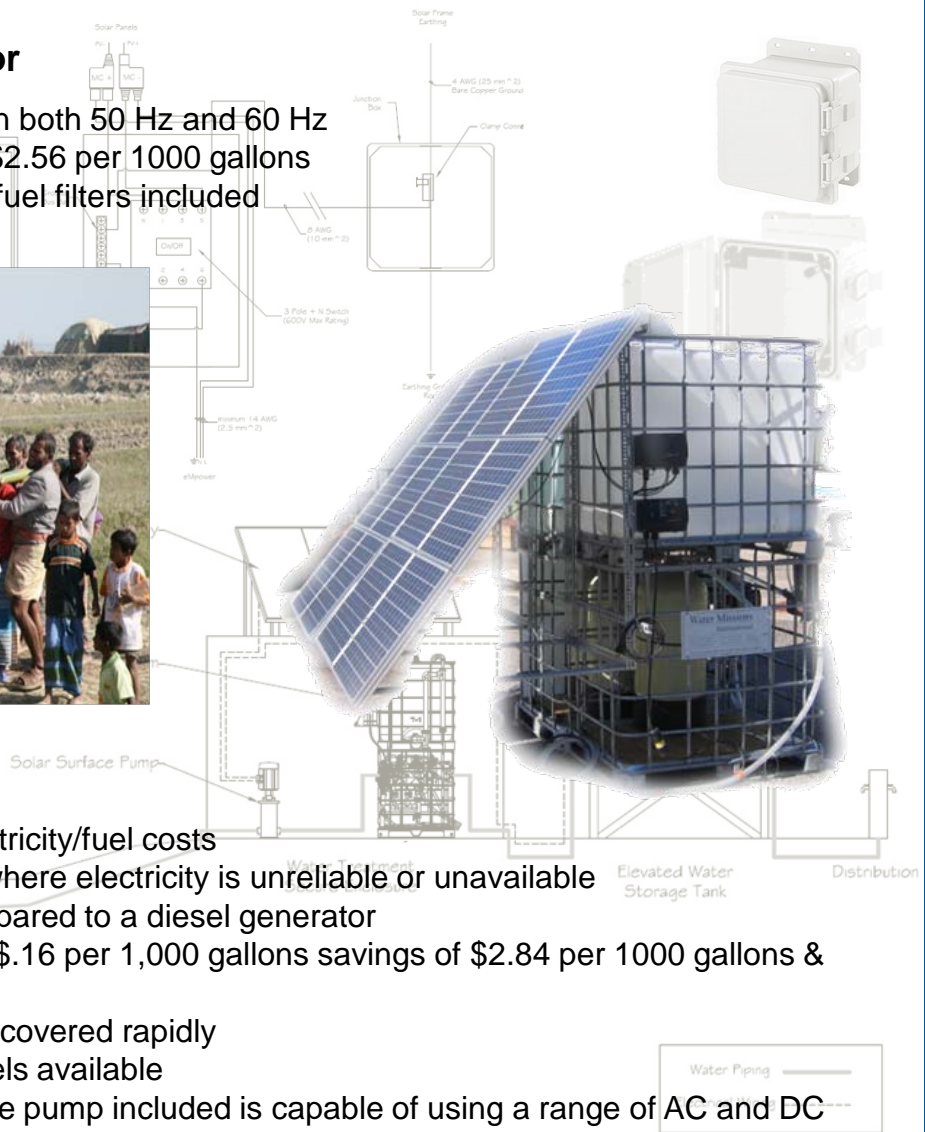
- Shipping: 12 units / 40ft. container or 2 units / military air cargo pallet
- Each cage measures 48"W x 40"D x 46"H
- Total Weight: ~1,600 lbs. (730kg)



# Living Water™ Treatment System (LWTS™)

## Diesel-Powered Generator

- 6 kW generators available in both 50 Hz and 60 Hz
- Operating cost estimate is \$2.56 per 1000 gallons
- Fuel tank and replacement fuel filters included



## Solar Panels

- Eliminates or reduces electricity/fuel costs
- Provides a power supply where electricity is unreliable or unavailable
- Minimal maintenance compared to a diesel generator
- Estimated operating cost: \$.16 per 1,000 gallons savings of \$2.84 per 1000 gallons & \$5,000 over one year)\*
- Additional capital cost is recovered rapidly
- Fixed or flexible solar panels available
- Variable speed submersible pump included is capable of using a range of AC and DC power sources

\*Calculation based on a typical community of 2,000 people and using an alternate power source 20% of the time.

The LWTS™ is one of several sustainable safe water solutions that Water Missions International provides globally. For more information about Water Missions International or the LWTS™ please visit us at [www.watermissions.org](http://www.watermissions.org), call (843) 769-7395, or email [info@watermissions.org](mailto:info@watermissions.org).