



Mobile Energy-Water Reuse Systems (MEWRS)



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What is MEWRS?

Mobile Energy-Water Reuse Systems (MEWRS) are portable units that:

- Supply safe drinking water during emergencies using advanced treatment methods
- Uses solar power to provide safe drinking water even when the power is out
- Can be transported to sites as needed following natural or man-made disasters

Why Does MEWRS Matter?

- Increased number and severity of disasters that result in water supply disruptions
- Such events often knock out power and limit access to safe drinking water
- Many rural communities face the greatest challenges responding to such events

How Does MEWRS Enhance Community Resilience?

- Removes harmful pollutants to ensure safe drinkable water in emergencies
- Can sustain safe drinking water during future disruptions
- Designed to be low-cost, mobile, and easy to operate
- Can be adapted to work with existing water treatment facility

