

Introduction for Emergency Management and FEMA***Produce Water from Air with no electricity***XDOBS.COM LLC 800-658-8745 Sales 435-657-2208 main sales@XDOBS.COM

Water is heavy, easy to contaminate and absolutely essential for life. After major disasters like Hurricane Katrina supplying sufficient safe drinking water can consume a large portion of the emergency response capability.

Couldn't these resources be more effective doing something else if only water supply was not a problem?

What if we had the ability to ensure every home could supply enough water to survive indefinitely which would work under conditions of no electricity, no gas, and no water pressure a contaminated city supply and a destroyed roads infrastructure?

After the public infrastructure has been contaminated

During major disasters it is common to have the public water infrastructure and surface water contaminated with sewage, petroleum and salt which are expensive to treat.

What if we could supply the water completely decoupled from ground and surface water so that our system works even if very nasty compounds are contaminating other sources?

A2WH Night Radiant IR Long Wave Condenser

Use the cold of night sky to condense water from night air.

Imagine the ability to deliver safe drinking water in places where there is no power, no chemicals and no safe ground water.

Our system uses night radiant IR cooling to harvest water from air even when then the night time temperatures are above the dew point. It has almost no moving parts but it does use a sophisticated micro controller to optimize air flow which optimizes water production during various conditions.

Depending on conditions this system will produce 2 to 5 gallons per night per 100 square foot of installed system. It requires a unobstructed view of night sky .

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Shortages after major disasters

What is the first thing that runs short during almost every major disaster?
Water? Why? Who does it hurt? What Impact does it have?

Contaminated surface and ground water

During hurricanes and tsunami the existing infrastructure, cisterns and ground water are quite often contaminated with everything from human feces to body parts due to the pervasive flow every surface and tool is contaminated which makes recovery difficult.

Would it be helpful for a system to be self sterilize after a flooding event so that it automatically begins producing safe water as soon as it receives 6 hours of sun even after complete immersion?