

# Mobile Water Treatment System

Saves money and the planet!



## What is it?

Fire camps need potable water for drinking, mobile kitchens, showers, and hand washing stations. The mobile water treatment system piloted at the White River fire camp uses state of the art technology to provide verifiable potable water from raw water sources (up to 12,000 gallons of water and 1,000 pounds of ice per day). This system uses real-time water quality monitoring across nine filtration and treatment steps to deliver high quality (and delicious) water and ice to firefighters in the field.

## What are the benefits?

- Moving towards zero single-use plastic bottles in fire camp would reduce plastic consumption by 93 cubic yards (and the associated carbon footprint by 3,029 metric tons) over two weeks.
- In some communities, potable and gray water needs from fire camps exceed available resources. These systems reduce firecamp impacts on municipal water systems, while reducing the water footprint tied to fire operations.
- Fire camps can be vulnerable to supply chain shortages for bottled water and ice.
- Waste reduction and on-site water treatment that enables water conservation aligns with Agency and Administration priorities to make operations more sustainable.



Something very new to fire camp - an ozone sanitation system that allows this Hot Shot to clean his reusable bottle before filling it with purified drinking water. USDA Forest Service Photo by Kelly Jaramillo.

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Can save **~85,000** single-use plastic bottles and **\$36,500** over a two-week incident of this size

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### Reduced single-use plastic bottle consumption

Reduced impact on municipal water systems	Increased safety through reduced vehicle traffic
Cost savings	Reduced carbon footprint
	Reduced waste

For more information, search for the **Greening Fire Team** online

