

Project Title: Remote Portable Water Supply Station

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Area: Mechanical Engineering

Sponsored By: Primary Engineering, Inc.

In remote parts of the country, potable water does not exist in areas that support recreational activities such as walking/biking trails or primitive campsites. The goal of this project is to design and build a portable water supply station that provides clean water at a cool, refreshing temperature under a wide range of environmental conditions. The unit will be capable of serving up to 25 people a day. The water collection method will be adaptable to the specific location and should include active and passive options. The unit will require minimal maintenance, be easily transportable, and able to operate in a range of weather conditions.

The sponsor of the project is Primary Engineering—a company that specializes in designing robust systems for a variety of engineering disciplines including systems such as HVAC, plumbing, electrical, and many more. They have two locations, one in local Fort Wayne and another in Indianapolis.