



Net Zero

Energy

Water

Waste



Tobyhanna Army Depot Wastewater Reuse and Water Chiller

A Net Zero Water installation limits the consumption of freshwater resources and returns water back to the same watershed so not to deplete the groundwater and surface water resources of that region in quantity and quality over the course of a year.

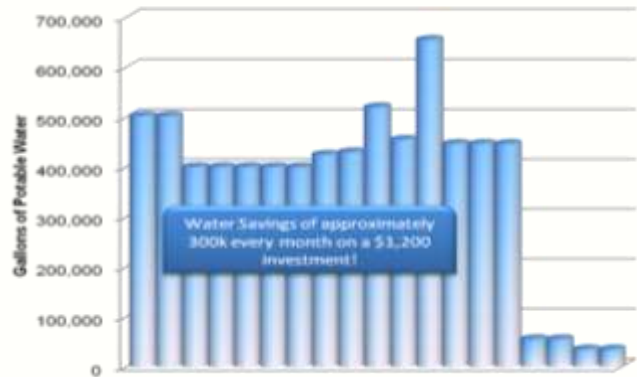
In support of its Net Zero Water Installation goals, Tobyhanna Army Depot (TYAD) used Army Working Capital Fund (AWCF) resources for an in-house project that replaced potable water with process wastewater for foam reduction in two locations at its wastewater treatment plant. The project cost of \$1,200 will result in savings of 300,000 gallons of potable water per month. The project paid for itself in just over one month.

Also using AWCF, TYAD installed a water chiller to replace a single-pass cooling system in an Industrial Operations Facility. This project saves over two million gallons of potable water per month. A payback period of 8 months is expected to cover project costs of \$125,000.

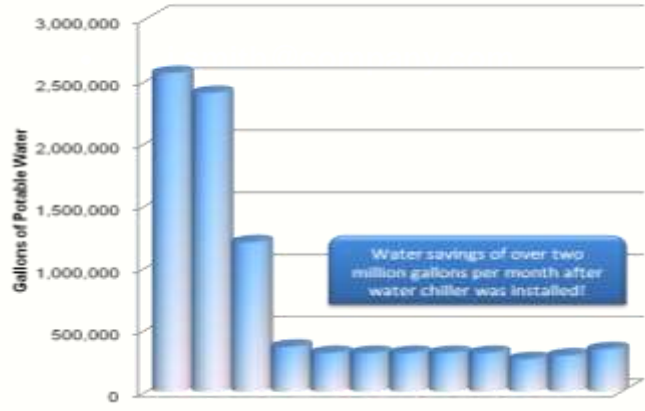


Tobyhanna Army Depot Wastewater Treatment Plant

Wastewater Reuse at Sewage Treatment Plant



Water Chiller Water Savings



Contribution to Net Zero

John ... 23,456,78

TYAD reduced its potable water use by 2,300,000 gallons per month.