

DRINKING WATER STATE REVOLVING FUND



DRINKING WATER TREATMENT

State Program:

Maryland Drinking Water Revolving Loan Fund Program

Assistance Recipient:

City of Fruitland

Project Name:

Fruitland Water System Upgrade: Supply Well & Water Treatment Plant

Initial Agreement Date:

2020



Project Description

The City of Fruitland's water treatment plant needed renovation and upgrades to address concerns about their water quality and capacity. Water from the system had high levels of iron and nitrate, and in nearby groundwater, there is trichloroethylene contamination which threatened encroachment and contamination of Fruitland's water system. The system's aging infrastructure led to a need for frequent maintenance, and the presence of contaminants required blending water to produce potable water.

Using a \$2.4 million DWSRF loan with \$1.2 million in principal forgiveness, Fruitland built a new well with a standby emergency power system, installed a new filter unit, and rehabilitated existing filter units and controls. The new well provides the City with an additional water source and increases system redundancy, and the new filter unit ensures continuous iron removal. This project also included an initiative to recycle filter backwash, reducing their overall water use. This project greatly improved the quality of water from the Fruitland Water Treatment Plant which serves 5,900 people and three schools.



**DWSRF Assistance
Provided**

\$2.4M



**Principal
Forgiveness**

\$1.2M

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Click here to learn more about the [Maryland Drinking Water Revolving Loan Fund Program](https://www.epa.gov/dwsrf).