

# Water Softening Update



## Franklin Area Water System

CONTRACTORS: PETERSON CONSTRUCTION & LARRY SMITH INC.  
CONSTRUCTION COST: \$15.1 MILLION  
PROJECTED STARTUP: MARCH 2022  
NUMBER OF CUSTOMERS: 13,500  
RAW WATER HARDNESS: 288 mg/L as CaCO<sub>3</sub> (17 grains)  
FINISHED WATER HARDNESS: 140 mg/L as CaCO<sub>3</sub> (8 grains)

**Service Area:**

- Clearcreek Township
- Deerfield Township
- Franklin Township
- Turtlecreek Township
- Wayne Township
- Middletown
- Corwin
- Harveysburg
- Hunter

Construction of the Franklin Area Water Plant expansion remains on schedule with anticipated startup in March 2022. The treatment plant expansion includes the installation of nanofiltration (NF) membranes that will match the finished water hardness of other nearby communities served by Greater Cincinnati Water Works and the City of Dayton. The NF membranes remove small molecules and polyvalent ions including the divalent calcium and magnesium ions that are the main components of hardness. The County will continue adding a small concentration of fluoride to the finished water as recommended by the Ohio Department of Health.



*NF Building Construction — June 2021*

## Richard A. Renneker Water System

CONTRACTOR: BUILDING CRAFTS, INC.  
CONSTRUCTION COST: \$22.3 MILLION  
PROJECTED STARTUP: OCTOBER 2022  
NUMBER OF CUSTOMERS: 14,200  
RAW WATER HARDNESS: 366 mg/L as CaCO<sub>3</sub> (21.5 grains)  
FINISHED WATER HARDNESS: 140 mg/L as CaCO<sub>3</sub> (8 grains)

Customers in the Richard A Renneker WTP (RARWTP) service area will receive softened water, after startup, in October 2022. Customers with private water softeners can remove their units from service or should lower their settings to prevent over softening. The treatment plant will soften using nanofiltration (NF) membranes and the County will continue to add fluoride to the finished water. Com-

**Service Area:**

- Deerfield Township
- Hamilton Township
- Union Township
- Maineville
- Hopkinsville
- Loveland Park
- Kings Mill

Combining new state of the art treatment technology with existing high quality source water from buried valley aquifers, Warren County will continue to provide our customers with the highest quality drinking water in Southwest Ohio.



*NF Building Construction — May 2021*