

# Process Support Facilities Subproject



The Process Support Facilities (PSF) is the fifth of seven Uranium Processing Facility (UPF) subprojects. It will begin in 2019 and will be completed by 2025, for a total cost of \$140M.

The PSF Subproject includes construction and installation of:

- The PSF building
- A Gas Storage Yard



The PSF will be a 24,000-square-foot structure that supports UPF operations by serving as a storage area for chemical supply, demineralized water, waste containers, and wastewater.

The PSF will be classified as a commercial, non-nuclear facility, which is cost effective and increases operational efficiencies. UPF's multiple-building approach allows each facility to be constructed to the safety and security requirements appropriate to each building.

A Gas Storage Yard will be built east of the PSF and will house vaporizers, tanks, control valve stations, and supporting electrical equipment.

The Y-12 National Security Complex has three primary national security missions that protect the U.S. and its allies around the world: maintaining the U.S. nuclear deterrent, reducing global nuclear threats, and fueling the U.S. nuclear Navy. Currently, key operations that support these missions are conducted in buildings that originated in the 1940's and are costly to operate and maintain. UPF is one of the Department of Energy's largest investments in Tennessee since the Manhattan Project and one of the National Nuclear Security Administration's largest construction projects. UPF will support Y-12's key missions and will ensure the long-term viability, safety, and security of enriched uranium capabilities in the United States.



## Process Support Facilities Fast Facts

Cable	194,000 feet	Almost 40 miles
Concrete	4,000 cubic yards	Enough to cover a football field 2.5 feet deep
Pipe	9,700 feet	Nearly 2 miles
Rebar	275 tons	Weighs as much as 7 loaded semi-trucks