

Government Computing Facility

ORNL has long stood at the forefront of high-performance computing, delivering leadership-class systems that power critical national security missions. From exascale platforms to secure classified environments, ORNL's HPC infrastructure enables breakthroughs in defense, intelligence, and strategic deterrence.

The Government Computing Facility (GCF) Project is a strategic partnership project aimed at the design and construction of a state-of-the-art classified computing facility at Oak Ridge National Laboratory (ORNL) in Melton Valley. This project represents a significant investment in advancing the capabilities of government computing, providing the necessary infrastructure to support high-level classified research and development to support data analysis.

The primary facility, building 7680, is a multi-level facility expected to span approximately 329,000 gross square feet. The facility is comprised of a two-story data center with two separate data halls on the second level designed to enable secure high-performance computing (HPC) supported by mechanical and electrical areas on the first level that enable flexibility and scalability to meet evolving computational needs. Contiguous to the data center is a three-story support area which will house personnel operations, research staff, and mission support.

The design and construction of the GCF will adhere strictly to the Intelligence Community Directive (ICD) 705 standards, ensuring compliance with Sensitive Compartmented Information Facility (SCIF) requirements. These standards are crucial for maintaining the security, integrity, and confidentiality of classified information, facilitating high-performance computing in a secure environment.



SPECIFICATIONS



Large secure data center that can scale to meet evolving computing needs



Provides 70-100 MW of power and cooling infrastructure



Provides multi-level security and secure communication



Designed to support evolving HPC systems and technical refresh

One Bethel Valley Road
Oak Ridge, TN 37831



U.S. DEPARTMENT
of ENERGY

Office of
Science

 OAK RIDGE
National Laboratory



www.ornl.gov jobs.ornl.gov