

When completing your Facilities, Equipment and Other Resources document, in addition to those facilities and equipment items specific to the proposed work, you can add the following:

The Von Braun Research Hall (VBRH) Data center is a key facility for the University of Alabama in Huntsville. It serves as a hub for the campus network and the primary hosting facility for enterprise application servers, general applications servers, data storage, and network and systems security equipment. The VBRH Data Center also serves as the UAH “private cloud” as well as co-location provider for PaaS and SaaS services for UAH Research centers and colleges. A secondary data center is located across campus in the Salmon library. UAH currently provisions 70 TB of space for enterprise systems, 12 TB of storage for compressed backups, and an additional 7 TB of locally provisioned encrypted storage for personal workstation backup. In addition to local data center capabilities, UAH partners with the University of Alabama in Tuscaloosa for tertiary backup capabilities in a hardened data center in Atlanta, GA.

UAH’s current network design is based on a distributed star topology. Core aggregating sites (i.e. stars) connecting end-node buildings have dual entrances and most are redundantly connected. Most buildings are attached at 1 Gbps, but plans are currently under way to develop a Science DMZ with up to 40 Gbps to select buildings within the Science DMZ. UAH recently expanded commodity internet recently upgraded its commodity internet capacity from 400 mbps to 1 Gbps.

UAH is a founding member of the Alabama Research and Education Network (AREN), which has provided internet connectivity to schools, universities, libraries, government entities, and other institutions in Alabama since the early 1990s. AREN currently maintains the Alabama statewide backbone with redundant 10 Gbps connections to Birmingham, Atlanta, and several other Alabama cities. UAH is also a member of Internet2 and the InCommon Federation.