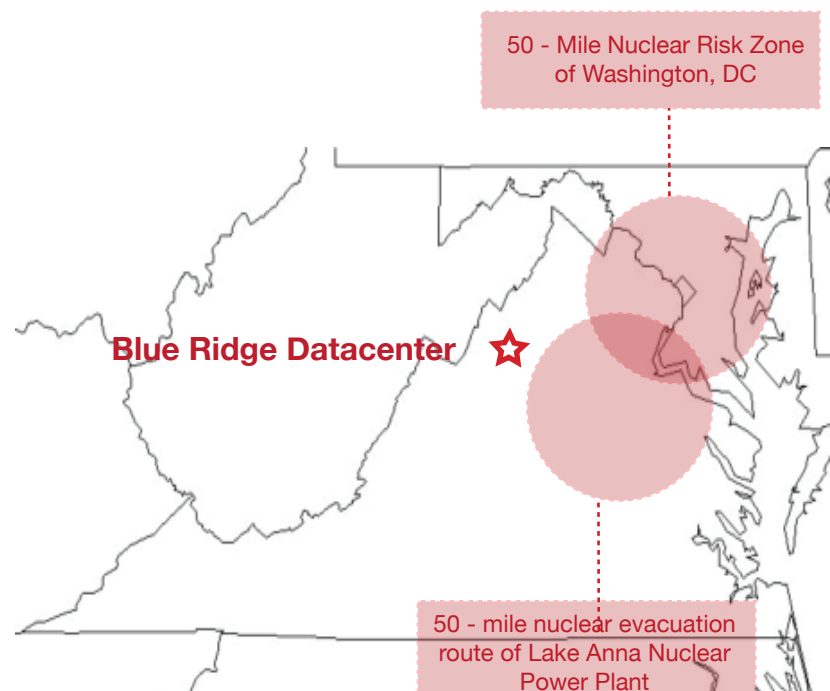


BLUERIDGE DATACENTER



OVERVIEW

- 10,000 sf turnkey space currently available with infrastructure enabling 6 month delivery of build-to-suit datacenter suites ranging 10,000sf+
- \$.065/kWh Electric Utility Rate
- Ring bus 69kV electrical distribution service with rate reduction for high voltage delivery of 33.3MVA of critical power
- On-site, dedicated electrical substation in a 2N configuration with all power transformed locally
- Compartmentalized, dedicated electrical and mechanical infrastructure for each datacenter suite
- 1.39 Design Power Usage Effectiveness ("PUE")
- Multiple telecommunications carriers in meet-me rooms with diverse paths to Northern VA internet exchanges
- City with proven disaster recovery expertise and capacity with large concentration of universities and support recourses
- 24/7/365 on-site security, engineering and IT support



FACILITY SPECIFICATIONS

FACILITY INFRASTRUCTURE

- 100,000 square feet of rentable raised floor space in accordance with EIA/TIA standard
- Scalable and customizable options for single or multiple tenant divisions in 2,500 sf increment
- Reserved area for tenants with SCIF requirements
- State-of-the-art fire detection and suppression systems enhanced with the latest advancements in pre-action water technology, VESDA, and Sapphire gas suppression
- Dedicated mechanical and electrical infrastructure for each datacenter suite
- 28' ceilings (slab to beam) in mission critical areas
- Column width 40' on center in mission critical areas
- Floor capacity exceeds 500 pounds per square foot
- Redundant water sources from gravity-fed tanks and water treatment plants
- On-site disaster recovery office space (10,000rsf+)
- On-site fuel storage for 72 hours of run time
- Located one mile from the Institute for Infrastructure and Information Assurance

ELEC/MECH INFRASTRUCTURE

- 100% Service Level Agreement (SLA) on electrical and Mechanical systems
- Facility served by 69kV dual fed service on a ring bus configuration designed so that either of two service entrances can lose power and the other will serve the load
- On-site substation with redundant transformers (69-13.2kV) will deliver medium voltage feeders into the facility from separate substations in a 2N (A+B) configuration
- 25 MW of power currently available and additional rights to a total of 40MW of aggregate power
- \$.065per kWh blended electric rate
- Design topology to support up to 300 watts per square foot for high density applications
- 12 sets of 2.5 megawatt Caterpillar generators with 2,500 gallon diesel belly tanks in a N+1 configuration
- Dual fed (A+B) Power Distribution Units with STS in a N+1 configuration
- Distributed redundant N+1 UPS configuration
- High efficiency centrifugal chillers
- Air-side economizers to utilize free cooling for maximum efficiency

SECURITY

- 100 foot perimeter setbacks
- Outside 50-mile nuclear risk zone of Washington, D.C
- Outside 50-mile evacuation route of nuclear power plants
- Twelve miles from commercial airport
- Outside 500-year flood plain
- Located in a buffered zone with proven Disaster Recovery history in the Shenandoah Valley between four mountain ranges
- Minimal risk of natural disaster and no recorded history of seismic activity
- 24/7/365 on-site roving perimeter security guards and operations security guards
- No vehicular traffic in the vicinity of facility
- Primary entrance processing point more than 100 ft from facility
- Perimeter security fencing with intrusion detection
- Interior and exterior motion-activated video monitoring
- Biometric access scanners and man-trap portal

