

# STERLING V - STERLING, VIRGINIA

## DATA CENTER OVERVIEW





The Sterling, Virginia facility is a two-story building and offers over 1 million square feet of data center space. The data center provides up to 90,000 square feet of class A office space. The location offers direct access to one of the largest internet exchange points in the US and superior fiber connectivity.

## SUPERIOR FIBER CONNECTIVITY



### Facility Specs:

Data Canopy Government's data center facility is located within Cyrus One's Sterling, VA Sterling V facility, which includes:

- Approximately 1 million data center square feet at full build, 90,000 square feet of office space
- Carrier-neutral and part of the CyrusOne Internet Exchange (IX)
- 100% uptime service level agreement
- 24/7 year-round staffed NOCC and remote hands support. Dedicated cages and private suite options available
- Zone X flood zone rating (low risk)
- Zone 1 seismic zone rating (low risk)
- ISO/IEC 27001
- PCI DSS
- HIPAA/HITECH
- FISMA -High
- SSAE 18 (SOC 1 Type II), Type 2 AT 101/SOC 2
- Business Continuity and Disaster Recovery (BCDR)
- GDPR



### Power:

The Sterling V facilities features multiple levels of redundancy available within the same footprint:

- Up to 105 MW at full build
- Up to 1000 W per square foot
- Multiple levels of redundancy available within the same footprint (e.g., N, 2N)
- Diverse power delivered by two independent circuits
- 750kVA Mitsubishi UPS systems; each power leg has a dedicated UPS with battery backup
- Scalable 2.25MW Detroit Diesel dedicated generators pre-wired for additional capacity
- 6,000-gallon belly tank per generator



### Cooling:

In keeping with best practices for an efficient data center:

- 36-inch raised white floor design
- 35-foot ceiling height from data center floor, utilizing Stultz 100-ton CRAH units with electronically commutated (EC) variable-speed fans
- Highly efficient multiple 500-ton Trane chillers with rapid restart and adaptive controlled microprocessors (with ability to scale as density increases)
- Closed-loop chilled-water-cooling design



### Security:

This facility has some of the highest levels of security available:

- Video surveillance and recording of the exterior and interior
- On-site security guards 24/7 year-round
- Dual authentication entry into building and data halls; biometric and key card (color-coded) security for rigid access control
- Cabinet and cage security options include individual locks and biometric scanners
- Perimeter fence



## Sustainability:

Data Canopy Government's data center facility is located within Cyrus One's Sterling, VA offers zero water consumption cooling:

- o No water is consumed to cool this facility (such as water towers or evaporative cooling). Minimal amounts of water are used for humidification and facility maintenance. This facility uses highly efficient chillers, variable frequency drives, and energy-efficient CRAH units to achieve high - efficiency air -cooled chilling.



## Fire Protection:

The facility has a zone based dual action protection:

- o Very early smoke detection apparatus (VESDA) system; sampling air in parts per million coupled with a zone -based dual -action interlocking dry -pipe pre -action system.

# WHY CHOOSE DATA CANOPY?



## Smart Hands Support:

When you choose to host with Data Canopy Government, you will receive the highest level of support, including:

- o Troubleshooting and issue resolution performed by a highly technical team, including senior engineers
- o Unmatched response times, supported by industry-leading SLAs
- o 24x7x365 manned Network Operations Center (NOC)

## Nationwide Network of Data Centers:

Data Canopy Government has a network of high capability, state of art data centers throughout the US.



Data Canopy Operated   
Leased Facility 

Data canopy has the infrastructure, security and support your need to keep your business running smooth. Don't just take our word for it – contact us at 703-594-5200 or [contact@datacanopy.com](mailto:contact@datacanopy.com) to schedule a data center tour today.