# NVA8

**Northern Virginia - Sterling**
**CyrusOne Data Center**
**45905 Maries Road**
**Sterling, VA 20166**

Located at 45905 Maries Road, CyrusOne's **NVA8** is a 154,230 square feet data center built with 100,341 square feet of raised white floor, 5,210 square feet of office space and has 15,327 square feet of support.

The facility is about 7 miles away from airports and 0.5 miles from CyrusOne Sterling facility.





# Overview

- 154,230 square feet data center
- 100,341 square feet of raised white floor
- 24MW critical IT capacity
- CCTV Camera System 24×7
- Biometric & Photo Badge Access
- Excellent Fiber Connectivity

# NVA8 **Technical Specifications**

**CyrusOne**

## Power

- Utility capacity – 24MW critical IT capacity
- Utility voltage – 34.5kV
- # of Utility Feeders – one currently planned, possibly two long term (for capacity, not redundancy)
- # of transformers on site – 20 plus 1 house
- UPS configuration and capacity – 4MW block redundant, mix of 4-make-3 and 6-make-5 blocks
- Generator power –  45MW plus 1.5MW house.
- Electrical capacity allowed per cabinet – by CONE/Customer

## Cooling

- Plant – 10,000-ton air cooled chiller plant, N+2 configuration
- Data Hall – 225-ton CRAH units, N+2 configuration

## Security

- Physical – Anti-Scale fence, electronic gates and gate arms
- Guards – Secure entry into space via Security Office with guards
- Electronic – Electronic surveillance, card reader access control to building and space

## Fire Detection and Suppression

- Very Early Smoke Detection Apparatus (VESDA) system; sampling air in parts per million coupled with a zonal dual-action interlocking dry-pipe pre-action system
- Double interlock pre-action sprinklers in all critical areas and circulation corridors. Wet sprinklers in office area

## Location/Amenities

- Distance from the airports in mi/km (not travel time) – 7.0 Miles
- Distance to other C1 sites in Metro area (if any) – 0.5 Miles
- Amenities – Hilton, Hyatt, Marriott, Homewood Suites, Holiday Inn, Embassy Suites
- Restaurants – High number of restaurants in Sterling and Ashburn

## Certification/ Audit Compliance Accreditations

Through disciplined assessment and audit processes, CyrusOne has implemented comprehensive practices for:

- ISO/IEC 27001
- HIPAA/HITECH
- HITRUST
- CSA STAR
- PCI DSS
- FISMA-High
- FFIEC
- TRUSTe
- SSAE 18 (SOC 1 Type II), Type 2 AT 101/SOC 2
- Business Continuity and Disaster Recovery (BCDR)

CyrusOne is not FEDRAMP certified, through implementation of these processes, CyrusOne customers have been successful in obtaining their FEDRAMP certification. In addition, CyrusOne is designed to meet TIA 942 Class 4 requirements for electrical and mechanical.

## Building

- Construction Type – Precast Concrete Panels with slab on grade.
- Steel reinforced overhead structure with modified built-up roofing membrane to meet specific wind up-lift parameters.
- Building Type – Critical Services Floor Load Capacity –
  - Data hall white floor space is 1,500lbs p/SF
  - CRAH gallery floor capacity is 2,500lbs p/SF

## Connectivity

- Carrier-neutral and part of the CyrusOne Internet Exchange (IX)

## Energy Efficiency

- Ultra Low PUE through the use of a closed loop chilled water system

## Site Plan