

# Rackspace IAD3 Data Center ACC6- Ashburn VA

## FACILITY

- **Acreage:** 17.15
- **Building Size:** 222,260 SF
- **Total Raised Floor Area:** 130,412 SF
- **IAD3 Raised Floor:** 2 CRs with 22,000 SF each and 1 CR with 5200 SF.
- **Raised Floor Height:** 42" under raised floor plenums
- **Raised Floor to Ceiling Height:** 15-19'



## BUILDING DESCRIPTION

- **Utility Power:** 34.5 kV
- **Number of Stories:** 1 plus Mezzanine
- **Loading Docks:** 4 Dock Bays

## POWER

- **Critical Power Total:** 26.0 MW
- **CR 6A Critical Load:** 1.0835 MW, Approx Gross SF: 5200
- **CR 8-9 Critical Load:** 4.334 MW, Approx Gross SF: 22,000
- **CR 10-11 Critical Load:** 4.334 MW, Approx Gross SF: 22,000

## SECURITY

- **Building and Perimeter:** Ballistic glass enclosed security check-in, front window areas and loading dock
- **Security Guards:** Staffed 24/7
- **Access Control:** Electronic Security features with card key access and dual authentication with biometric readers
- **CCTV:** 24/7 surveillance of the interior/exterior of the facility

## FACILITY MONITORING

- **Facility:** Field View

## UPS SYSTEMS

- **Description:** 24 Rotary power systems with 1,300 kW of critical output each
- **Redundancy:** N+2, Each Phase



## GENERATORS

- **Description:** 24 diesel-powered engine generators with 2,250 kW capacity each
- **Redundancy:** N+2, Each Phase

## ON SITE FUEL CAPACITY

- **Storage Tanks:** Four 50,000 gallon underground diesel storage tanks
- **Number of Hours:** Nominal 58 hours

## HEAT REJECTION SYSTEMS (HVAC)

- **Description:** 10 centrifugal chillers with 1,200 Ton capacity each
- **Redundancy:** N+2
- **Chilled Water Storage:** 540,000 gallons for 28 minutes of continuous full load operation



## PDUS

- **Description:** Dual Input 400 kVA PDUs-600 volt primary- Computer rooms 8-9 and 10-11, Dual Input 225 kVA PDUs- 600 Volt primary- Computer room 6A



## NETWORK/COMMUNICATIONS

- **POE:** 4 separate network Points of Entry (POE) with diverse underground duct banks providing multiple entry points into the facility
- **Conduits:** Dedicated underground conduits to each computer room from multiple and diverse POEs
- **Carriers:** Multiple Tier-1 Service Providers
- **Bandwidth:** 10-GB Ethernet per carrier (multiple gigabits of total bandwidth available)
- **Routing:** Redundant Cisco ASR 9000 and 1000 series for edge and core routing
- **Switching:** Cisco 4948E series for aggregation. Cisco 2960 series for distribution and access

## FIRE PROTECTION

- **Description:** Conventional smoke detector and laser based incipient smoke detection systems and double interlocked pre-action sprinkler system

## **CUSTOMER ACCESS**

- **Access:** Customers retain administrative control of their leased servers. Rackspace retains control of dedicated network hardware
- **Tours/Audits:** A viewing platform in CR8-9 allows direct sight onto the data center floor
- **Console level access:** Provided via Terminal Services of SSH over VPN

## **BACKUP AND RECOVERY**

- **Managed:** Fully managed backup to centralized storage available
- **Offsite:** Offsite tape rotation is available