



GLOBAL DATA CENTERS

Hillsboro Data Center Campus

126MW of critical IT load in the Pacific Northwest Technology Hub

NTT Hillsboro Overview

- 47-acre campus
- 1 million sq. ft. space; 126MW critical IT load and five buildings
- First phase will feature 36MW of critical IT load
- Dual power feeds
- Directly connected to the Hillsboro fiber ring with multiple fiber entrances
- Multiple "Meet Me Rooms"
- Superior reliability from N+1 electrical and mechanical redundancy
- Sustainable, efficient chillers save water while cooling high-density racks
- Conference rooms, lounge and break room
- Security features include multi-factor authentication and 24x7x365 security officers

HI1 Data Center Specifications

Building and Structural Overview

- Concrete tilt-up walls, reinforced concrete floor, metal faced cladding and glazing

Power

- 34.5kV electrical distribution
- Total critical IT load of 36MW
- N+1 distributed redundancy
- Eight 1MW UPS modules for every 6MW capacity
- Lithium Ion battery with 5 minutes run time at full load
- On-site fuel storage to support 24 hours run time at full load with 24x7x365 fuel delivery
- Diverse power distribution to data hall (A and B feeds)

Cooling

- Air cooled chillers with airside economizers
- N+1 redundancy at the rack level
- Fan wall design
- Dedicated modular chiller plant for every 6MW vault
- PUE goal of 1.3 at >33% of total load

Security

- 24x7x365 security and facility operations team
- Fenced campus with strict access control procedures
- Multifactor authentication throughout the facility
- Secure managed delivery and loading area 24x7x365
- Designed for FISMA, HIPAA, ISO 27001, PCI DSS, SOC Type 1 and Type 2 compliance

Network

- Carrier neutral
- 3 diverse fiber entry points
- Multiple meet me rooms
- Network dense with access to many global and regional carriers and ISPs offering dark fiber, wavelength, ethernet, MPLS, VPLS, IP transit, and peering
- Access to multiple leading public, private and hybrid cloud providers
- Directly connected to the ultra-high count fiber ring that joins all the major local data centers and several transpacific submarine cables

Fire Detection and Suppression

- Next generation safety management by ONYXWorks for centralized control and monitoring of the fire alarm system

Floor One – Vault 1 Specifications

