



DATA CENTER SPECIFICATIONS 440 WATERLOO



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POWER & COOLING

- 20 MW N+1 Main Power
- N+2 UPS
- 4 x 750 kVA Diesel Generator
- N+1 Redundant Cooling
- Dual Main Power from separate sub-stations
- Multi 10 GB networking



SECURITY

- 24/7/365 Manned Security
- 8 Security Checkpoints
- HID Door Control (33 doors)
- Video Monitoring
- External camera coverage
- Multi Door Mantrap



SPACE

- Rack Space
- Raised Flooring
- Cages & Private Suites*
- Dedicated Server Hosting
- Public Cloud
- Co-Working Space
- Dedicated Office Space



MANAGED SERVICES

- Hybrid Hosted Cloud
- Virtual File Servers & Application Servers
- Virtual Desktop (Standard & 3D enabled)
- Fully Managed Network
- Fiber internet and P2P Access Available
- Managed Backup

20 MW

N+1 MAIN POWER
DUAL SUPPLY FROM
UTILITY FED FROM
TWO SEPARATE
SUB-STATIONS

24/7

MANNED
SECURITY & VIDEO
MONITORING

> 100k sf

> 2000 CABINET
CAPACITY

440 WATERLOO DATACENTER

Site Specifications

Security & Fire

OnSite	24/7 Manned Security
Monitored Camera	All co-location space video monitored
ManTrap	Multi-door mantrap
Access	HID access card
Fire Suppression	Multi-Zone
Remotely monitored	Yes

Building Specs

Year Built	1981
Renovated	2007 (Structural) 2018 (Data Centre)
Floors	1 + Mezzanine
Structure	Steel
Exterior	EIFS (concrete Exterior Insulated Finish System)
Flood Plain	No
Ceiling	16 ft

Data Center (DC) Space

DC Space	>80,000 sf
Total Space	100,000 sf includes co-working space
Spaces	Cabinets, Private Suites, Cages*
Floor	14" Anti-Static Raised Floor

Power

UPS	2 x APC 500 kW 2X APC 750 kW
Load Design	Up to 16 kW per cabinet
Configurations	n+2 redundant Utility + UPS + Diesel Generator
Entrances	Diverse power entrance facilities
Automatic Transfer Switch	Yes
Battery Type	Valve-regulated lead-acid battery
Battery Monitoring	Yes
Backup Generators	4 x 750 kVA Diesel Generators on-site
Fuel Run-Time	48 hr full load

Site Utility

Electric	>20MW n+1
Utility Provider	Waterloo North Hydro
Redundant Feeds	Primary + standby redundant feeders
Power from Substation	

Customer Support

Remote Hands	Yes, 24/7/365
Support	support@datacity.ca
Sales	sales@datacity.ca