

# I. City/Hospital Data Center Fire

Analysis	
Cause of Fire	Power (Transformer)
Down Time	36 hours (2160 Minutes)
Probable \$/Min Loss	\$7,900/Minute
Probable Down Time Loss	\$17,064,000
Possible Hazard Size	Power Rooms & Generator Room 11 rooms total 2,400 SF
Probable Cost - Clean Agent System Using 3M™ Novec™ 1230 Fluid	\$100,000
Probable Cost - Upgraded Detection	\$30,000
Potential Savings/Risk	\$16,934,000

## Data Center Fire Disrupts Key Services in Calgary

By Richard L. ... 8/1/2012



- July of 2012
- Calgary Canada
- 911 service disrupted briefly
- Water extinguished the fire but flooded critical areas like the generator room...

<http://www.datacenterknowledge.com/archives/2012/07/16/data-center-fire-disrupts-calgary/>

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## 2. Data Center UPS Data Center Fire

Analysis	
Cause of Fire	Battery Room and Data Center
Down Time	12000 servers exposed, Likely 6 hours
Probable \$/Min Loss	\$11,000/Minute + \$2,000/server
Probable Down Time Loss	\$2,640,000 + \$24,000,000
Possible Hazard Size	Data Center 16000 sf + UPS 1000 sf
Probable Cost - Clean Agent System Using 3M™ Novec™ 1230 Fluid	\$600,000
Probable Cost - Upgraded Detection	\$150,000
Potential Savings/Risk	\$25,890,000

### UPS Fire Knocks Web Host Aruba Offline



Italian web host Aruba was offline this morning when a data center lost power after a fire broke out in one of the UPS rooms. The company said the incident "involved the batteries of the UPS but that no servers were affected in the data halls. Tracking by [DataCrab](#) shows Aruba's primary website is now back online after an outage. The company says it has returned power to two of the three server rooms in its data center and is working to bring its UPS systems back online.

Aruba is the largest web host in Italy. The company says it hosts 1.2 million web sites and 1.6 million domains. The company says its data center in Avazza houses approximately 12,000 servers.

- April 2011
- Italy
- Secondary smoke damage (equipment likely to fail with in 24 months)

<http://www.datacenterknowledge.com/archives/2008/03/31/fire-destroys-wisconsin-data-center//>

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### 3. FAA Fire - preliminary data

Analysis	
Cause of Fire	Malicious
Down Time	Estimated a Month
Probable \$/Min Loss	4,000+ Flights x \$100,000
Probable Down Time Loss	\$400,000,000
Possible Hazard Size	Unknown (15,000 sf?)
Probable Cost - Clean Agent System Using 3M™ Novec™ 1230 Fluid	\$500,000
Probable Cost - Upgraded Detection	\$125,000
Potential Savings/Risk	\$399,375,000



- September 2014
- Chicago Area
- Air traffic disrupted
- Malicious Class B (gasoline) Fire
- Early reports indicate halon system may have been replaced with pre action water.

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