

Data Center Resiliency Overview

Las Vegas - North

Downtime costs companies dearly in dollars, productivity and reputation. A recent survey of businesses by the Uptime Institute found that 31% experienced an IT downtime incident or severe service degradation in 2018 compared to 25% in 2017, for reasons ranging from power outages and network failures to software and human error. Downtime costs an organization an estimated \$300,000 per hour, and with new threats like increasingly volatile weather events resulting from climate change, businesses of all sizes are rethinking resiliency, which is their system's ability to recover quickly and continue operating despite unexpected disruptions.

You can't change the weather, but you can partner with a service provider who thinks the same way you do about the security and resiliency of your data. Flexential provides solutions to improve your business, not ours. Together, we'll create a resiliency strategy that will substantially reduce your systems' vulnerability, minimize downtime and impact, reduce critical data loss and ensure compliance with regulatory requirements.

The Power of People

Flexential serves the needs of our 4,200 customers with a robust suite of assets that includes 41 highly redundant data centers in key U.S. markets, each with uninterruptible power, multiple internet connections, fire suppression and redundant HVAC. But it's our people that set us apart. Flexential takes a customer-centric approach to resiliency, with ITIL-certified network and data center professionals that are steadfastly focused on one goal: your success. And that frees up you and your team to focus on your core business.



Las Vegas-North DR Highlights

- Incident Command System (ICS) procedure to respond to emergencies
- Documented chain of command
- Daily inspections of generators and systems for UPS, cooling and security
- Experience in securing auxiliary resources ahead of potential weather events, e.g., hurricanes and floods
- 24/7 on-site personnel for immediate response
- Maintenance of "Go-Team" site-specific procedures and system instructions
- 5,000 gallons of on-site fuel per generator, with fuel vendors available to run 24/7



The Flexential Site Assessment Chart

Understanding a data center's physical proximity to potential threats like hazardous material operations, high-crime areas and flood plains is critical to proper planning. Flexential takes a consultative approach to creating your business' customized resiliency strategy, starting with the Flexential Site Assessment Chart to address location-based resiliency factors.

Las Vegas – North Resiliency Factors

Responding Fire Stations		Detail
North Las Vegas Fire Station 52		1.8 miles
North Las Vegas Fire Station 57		3.3 miles
North Las Vegas Fire Station 54		3.8 miles
Resiliency Factors	Y/N	Detail
Is site/facility in close proximity to a highway?	Y	1.6 miles from I-15
Is site/facility in close proximity to an airport?	N	12 miles
Is site/facility located within 100 yards of 50-year flood plain?	N	
Is site/facility located within 100-year flood plain?	N	
Is site/facility located within 500-year flood plain?	Y	Protected by levees against 1% annual chance of flood
Is site/facility located in an area of extreme tornado risk?	N	
Is site/facility located in an area of high tornado risk?	N	
Is site/facility in close proximity to a coastline?	N	285 miles
Is site/facility in close proximity to a river?	N	44.7 miles
Is site facility in close proximity to the distribution/storage of propane?	Y	2.3 miles
Is site/facility in close proximity to a hazardous materials site?	Y	4.5 miles
Does site/facility share substation with or is site/facility in close proximity to a police station?	Y	4.5 miles
Does site/facility share substation with or is site/facility in close proximity to a fire station?	Y	1.8 miles
Does site/facility share substation with or is site/facility in close proximity to a hospital?	Y	3.8 miles
Is site/facility in close proximity to a volcano?	N	
Is site/facility at an increased risk of seismic activity? *	Y	6.38 MMI
Is site/facility in close proximity to foreign embassies?	N	8.9 miles (Romania)
Is site/facility in close proximity to a chemical plant?	N	23.4 miles
Is site/facility in close proximity to a dam?	N	39.4 miles
Is site/facility in close proximity to a landfill?	N	6 miles
Is site/facility in close proximity to a research lab?	N	10.9 miles
Is site/facility in close proximity to a military base?	N	9.4 miles (USMC)
Is site/facility in close proximity to a nuclear plant?	N	

*** Modified Mercalli Intensity (MMI) measures the seismic intensity of an earthquake on a scale of 1-12. A score of 7 is considered "At risk".**

Flexential helps organizations optimize IT transformation while simultaneously balancing cost, scalability, compliance and security. With a focus on building trusted relationships, providing valuable support and delivering tailored solutions and reliable performance, Flexential delivers colocation, connectivity, cloud, managed solutions and professional services to 4,200 customers across the U.S. and Canada.

