



State Data Centers

The State of Mississippi Data Centers deliver highly available compute and storage solutions to state government entities. The Primary Data Center located in Jackson, Mississippi hosts mission critical information systems and applications for the State. This center has over 12,000 square feet of raised floor area, failsafe features, environmental controls, and robust technology to support these applications within a hardened, resilient, and secure environment. The Ancillary Data Center located in Starkville, Mississippi provides a protected environment for state agencies seeking an alternate or secondary backup site solution. Together these two facilities provide state government with a robust, flexible, secure, and cost-effective hosting “cloud” environment to meet the information technology needs of the State.

ITS works with state agencies to evaluate the technical requirements and to leverage the services offered by the Primary Data Center and its attributes.

Several key factors merit evaluation by agencies in determining appropriate facility requirements for IT infrastructure:

Risk Management: Physical protection of state assets and high availability systems and infrastructure

Security: Protection of state information assets

Economies of Scale: Volume purchases, distribution of expertise, and shared facilities and costs

Physical Facility Attributes

- » Designed and constructed to withstand an EF4 Tornado (approx. 200 MPH)
- » Two diversely routed power feeds engineered for automatic failover from supplier to every connected device within the production environment
- » Two 1.5 megawatt generators, dual-fueled for diesel and natural gas
- » Two diesel tanks holding a combined 18,000 gallons of fuel to support operations over seven days of run time
- » Four 300-ton chillers for environmental control. Two chillers are active at all times.
- » One 40,000 gallon in-ground water tank to support chillers in the event of a reduction of city water pressure
- » Living accommodations to support a critical operations team for several days
- » Generators and cooling systems housed within the protected facility. Fully monitored environmental systems
- » Security systems including badges, biometric access, and security surveillance cameras posted throughout the facility
- » Fully staffed command center with 24x365 operations staff, system display monitoring, technical engineers, and armed security guards
- » Intelligent fire alarm and suppression system as well as an intelligent water detection and notification system
- » High speed network connectivity to the Ancillary Data Center located in Starkville, MS

Statistics

- » Provides computing services to approximately 110 state agencies and multiple private entities that access public records
- » Processes approximately 3,556 batch jobs and .5 million online transactions per day
- » Hosts approximately 845 virtual VMware servers, 29 websites, and 7 eGovernment applications
- » Relays approximately 4.5 million emails per day
- » Blocks approximately 4.1 million SPAM emails per day
- » Documented, managed, and resolved 3,721 requests and 2,175 incidents through the 24x365 Service Center