

# REACH FOR THE ENERGY STAR

Sabey Intergate Data Centers | Ashburn, Virginia

**9900C Series UPS**



## CHALLENGE

- Sabey Data Centers looked to maintain the highest reliability while increasing their energy efficiency at their Intergate Ashburn facility for years to come.

## SOLUTION

- Mitsubishi Electric's 9900C Series UPS exceeded Sabey Data Centers' needs with its high energy efficiency and reliability.

## RESULTS

- The unmatched quality and superior service of Mitsubishi Electric ensures that the Sabey Data Center Intergate Ashburn facility continues to achieve Energy Star certification year after year.



*"We use Mitsubishi on multiple campuses, and Mitsubishi's reliability is important to Sabey. The Mitsubishi UPS have been extremely reliable since installation and Mitsubishi stands behind their equipment. We appreciate this level of service [from Mitsubishi]."*

- John Sasser, SVP Data Center Ops,  
Sabey Data Centers

**OVERVIEW.** Sabey Data Centers announced that its Intergate Ashburn facility has earned the U.S. Environmental Protection Agency's 2019 Energy Star certification with a score of 95 points out of a possible 100 for the campus' Building C.

Rob Rockwood, President of Sabey Data Centers, said, *"This latest certification confirms Sabey's nationwide leadership role in green energy performance, efficient data center design, construction, and operation. Our customers realize that our commitment to efficiency directly benefits their bottom line, as we pass along the energy savings."*



The Intergate. Ashburn Building C is a part of a 38-acre data center campus located in the heart of the nation's densest connectivity corridor. Two out of three buildings are now completed, and are leasing colocation and powered shell data center space, thus offering tenants over 36 MW of power and access to multiple connectivity options.

<https://sabeydatacenters.com/news/sabey-ashburn-data-center-energy-efficiency/>

**CHALLENGE.** Colocation customers demand highly reliable energy efficient data center operation at competitive pricing. Finding critical solutions partners to help meet these needs and exceed customer expectations is vital to Sabey Data Centers' growth strategy. But it doesn't end there - after initial equipment installation, these partners must be able to support customer commitments for years to come through high quality maintenance and support.

**SOLUTION.** With reliability, efficiency, and total cost of ownership in mind, Sabey Data Centers looked to their long running relationship with Mitsubishi Electric and their 9900C Series UPS to support their data center design. They knew that the highly efficient 9900C would help them meet their needs and achieve the highest rating from Energy Star for their Intergate Building C facility in Ashburn, Virginia.

John Sasser, SVP Data Center Operations, said, "Mitsubishi has a highly efficient double-conversion UPS. After cooling, the electrical distribution is typically the best opportunity for PUE improvement in a data center, so high efficiency UPS are key to our Energy Star performance." Mitsubishi Electric's market-leading 97% efficiency reduces overall infrastructure energy consumption and cooling costs across all load ranges, resulting in significant operating cost savings.

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## RESULTS

To further enhance the efficiency gains of their UPS systems, Sabey Data Centers used advanced energy-saving techniques, such as indirect economizers and hot aisle cooling, to achieve their Energy Star efficiency performance rating of 95 points. Their rating is just five points short of the highest level of power consumption efficiency, according to Energy Star. In other words, Intergate Ashburn's Building C is more energy efficient than 95% of similar properties nationwide.

The unmatched quality and superior service of Mitsubishi Electric ensures that the Sabey Data Center Intergate Ashburn facility continues to achieve Energy Star certification year after year. The 9900C Series UPS boasts a sustained load carrying capability of more than 99.9994% in the system's actual operational history providing unparalleled levels of uptime to their customers.

## ABOUT Sabey Data Centers

Sabey Data Centers is one of the longest-lived and largest privately-owned, multi-tenant data center provider in the world. They own, develop, and operate all of their facilities. Private ownership, coupled with the stability of large financial partnerships, allows them to maintain complete focus on each customer's requirements.

Sabey Data Centers took root in Sabey Corporation's 40+ year history as a facilities designer, builder, and operator for leading technology innovators of the day, such as Boeing Electronics, ADP, and McCaw Cellular. These organizations all trusted Sabey as they broke new ground in industries of worldwide importance.

Today, with over three million square feet of mission-critical space, Sabey Data Centers continues to serve as one of the world's most exciting enterprise data center solutions provider.

Learn more at [www.sabeydatacenters.com](http://www.sabeydatacenters.com)

## ENERGY STAR CERTIFIED UPS UPDATE

Since the release of this Case Study, the 9900C Series has been removed from Energy Star due to new Department Of Energy requirements on efficiency standards.

Mitsubishi Electric's 9900AEGIS and SUMMIT Series™ are currently Energy Star Certified.

## ABOUT THE PRODUCT/ 9900C SERIES UPS:

The 9900C Series UPS from Mitsubishi Electric is a new class of UPS products; designed specifically for the relentless demand of cloud and colocation services facing today's hyper scale data centers. The 9900C Series is designed with reliability and maintenance in mind, ensuring consistent quality for the lifetime of the UPS. The 9900C leads the pack with real-world reliability numbers of 99.9994%, up to 97% efficiency, and an industry-leading footprint. This is backed up with a performance guarantee ensuring that the AC to AC efficiency of the 9900C Series UPS modules will not be less than 1% below the specified efficiency.



## ABOUT US:

Since 1964, Mitsubishi Electric has manufactured precision engineered, high-quality uninterruptible power supplies to protect its customers' mission critical equipment during times of power instability.

Mitsubishi Electric leads the industry in designing and manufacturing reliable, environmentally-friendly UPS systems to extend uptime, prevent data loss, and protect against power surges. The CPS Division offers systems in both single and multi-module configurations in a broad range of kVA capacities.



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SA-ENL0090R1 (3/22)