



Customer Case Study

Daymark architected and rapidly deployed a state-of-the-art virtualized infrastructure for Brookfield's mission-critical control systems. Through Daymark's Reporting-as-a-Service (RaaS) managed service, Daymark provided invaluable insight and analysis on the health of the environment to ensure continually optimized performance and availability.

Brookfield Renewable

Customer Overview

Brookfield Renewable Power owns the largest hydroelectric portfolio of its kind with more than 100 years of operating experience. Brookfield also owns and operates a complementary fleet of high-quality wind assets and other renewable technologies providing nearly 6,000 MW of clean and renewable energy in 13 states and three provinces across North America.

Assessing the Environment

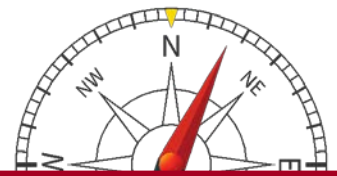
Brookfield needed a modern data center infrastructure solution to support their hydro renewable power control systems in both the U.S. and Canada. In addition to leveraging Daymark to architect and deploy the new systems, Brookfield wanted to ensure that the environment was consistently maintained in peak health with availability and performance aligned with industry best practices.

Client Challenges

Brookfield came to Daymark with a number of challenges:

- Need for a high-performance, highly available infrastructure
- No tolerance for downtime
- Comprehensive visibility into their environment including trending of growth and performance
- Need to maintain optimal performance and system availability
- Desire for staff to focus on more strategic initiatives

"Daymark's Reporting-as-a-Service (RaaS) managed service, and the continued analysis and recommendations the service provided for our environment has been vital to ensure our mission-critical control systems are maintained at healthy, optimal levels." IT Director at Brookfield



The Solution

Daymark architected a new, state-of-the art compute, storage, networking and virtualization platform to support Brookfield's hydro renewable power control systems in the U.S. and Canada. The solution consisted of a NetApp FlexPod combining Cisco UCS compute with NetApp storage, Cisco networking and VMware virtualization. Most importantly, Brookfield was able to leverage Daymark's RaaS managed service to continually report on the environment, providing expert analysis on performance, capacity, trending and forecasting.

Key Benefits:

- Provided valuable insight and recommendations on areas to improve system performance
- Leveraged weekly, system reporting for deep visibility into mission-critical systems
- Ensured continued optimized health and performance of environment
- Identified and remedied areas of VMware configuration negatively impacting high availability
- Delivered active-active high availability clustering between U.S. and Canadian data centers
- Improved ability to forecast capacity utilization and budget
- Augmented Brookfield IT staff
- Freed internal IT to focus on strategic initiatives

The Daymark Difference

We take the complexity out of your IT infrastructure. Daymark architects and implements data center infrastructure, data protection, virtualization, managed services and cloud services for businesses throughout New England.

We provide deep technical knowledge, extensive experience and proven methodologies that help our clients make strategic decisions, streamline the acquisition process and successfully implement cost-effective data management infrastructure solutions.