FOR IMMEDIATE RELEASE

NTT America Deploys Bloom Energy Servers running on Renewable Biogas at San Jose Data Center

- Asia’s Largest ICT Service Provider Reduces Carbon Footprint and Operating Costs by Deploying Bloom Energy’s Proven Fuel Cell Technology

New York, NY – July 28, 2011 – NTT America, a global infrastructure services provider and wholly owned subsidiary of NTT Communications Corporation, announced today that it has deployed Bloom Energy Servers at its Lundy Data Center in San Jose, Calif., through NTT Worldwide Telecommunications Corporation, a core firm that performs global data center operations in NTT Communications Group. As part of several broad energy efficiency initiatives, NTT America continually monitors advancements in energy conservation technologies and chose Bloom Energy’s proven fuel cell technology, running on directed biogas, as the best choice to minimize its carbon footprint and decrease the amount of electricity pulled from the public grid, while at the same time reducing operating costs. The Bloom Energy Servers are connected to a natural gas pipeline, and utilize biogas from a California dairy farm to generate electricity on-site.

Key Highlights

- NTT America’s initial deployment consists of five Bloom Energy Servers, with a total capacity of 500kW (kilowatts), or approximately the baseline required to power 500 average homes or five 30,000 square-foot office buildings.
- NTT America will produce over 4.2 million kilowatt-hours annually, while reducing carbon dioxide emissions by 1.6 million pounds, the equivalent to planting approximately 4000 trees each year.
- As part of NTT America’s energy efficiency initiatives, the fuel cell option reduces the dependency on the public electric grid, minimizing the company’s carbon footprint by using renewable fuels.
- The fuel cells at the NTT America data center utilize renewable biogas, additionally reducing the carbon footprint through decreased dependency on fossil fuels.
- Distributed generation means electricity is generated at the location where it is to be used, allowing NTT America to reduce the amount of energy loss due to transmission across power lines, increasing efficiency and trimming costs.
- NTT America’s energy efficiency initiatives include hot aisle/cold aisle server rack design, aisle containment solutions, high efficiency computer room air conditioning (CRAC) cooling systems, distributed electricity generation and dynamic temperature sensor/control technology.

Executive Quotes

“As one of the major data center operators in the world, we recognize the importance of energy efficiency, and the need for distributed generation and use of clean fuels. Equally important is our enterprise customers’ interest in, and support of, energy efficiency both from the environmental and cost reduction avenues. As a key driver for the future of the data center, NTT America will continue to evaluate, support and deploy technologies that can be environmentally sound and cost effective for our customers,” said Kazuhiro Gomi, president and CEO of NTT America.
“NTT America, like Bloom Energy, understands the importance of a clean and reliable data center solution,” said Bill Thayer, Executive Vice President of Sales and Service. “We applaud their innovative approach to sustainability, and their commitment to delivering the best choice for their customers and the environment.”

Supporting Resources

- NTT Communications Corporation Website
- NTT America Website [http://www.us.ntt.com](http://www.us.ntt.com)
- NTT America Enterprise Hosting - Data Center Locations Map (PDF)
- NTT Communications Global IP Network Map Webpage
- Bloom Energy Website
- Bloom Energy Servers Datasheet (PDF)

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About NTT Communications Corporation
NTT Communications provides a broad range of global networks, management solutions and IT services to customers worldwide. The company is renowned for reliable, high-quality security, hosting, voice, data and IP services, as well as expertise in managed networks and leadership in IPv6 transit technology. NTT Communications’ extensive infrastructure includes Arcstar Global IP-VPN and Global e-VLAN, as well as a Tier 1 IP backbone reaching more than 150 countries in partnership with major Internet service providers, and secure data centers in Asia, North America and Europe. NTT Communications is the wholly-owned subsidiary of Nippon Telegraph and Telephone Corporation, one of the world’s largest telecoms with listings on the Tokyo, London and New York stock exchanges. Please visit [http://www.ntt.com/index-e.html](http://www.ntt.com/index-e.html).