

Advanced Data Centers is able to cut carbon emissions by 36% and save 220 million gallons of water

Green Status Validated by Awards, Certification, and Data

SAN FRANCISCO, CA, April 16, 2009 – Advanced Data Centers (ADC) today announced that as a result of its energy saving design, its McClellan Park facility in Sacramento will save 36% on carbon emissions compared to the average data center according to an EPA Carbon Dioxide Emissions study¹. Combined with ADC's recent LEED® Platinum pre-certification, this reinforces ADC's position as a leading green data center.

By saving electricity, ADC is also saving our valuable water resources. In California, according to the National Renewable Energy Laboratory², .05 gallons of water are consumed through evaporation for every kilowatt hour of electricity generated in thermoelectric plants and 21 gallons are consumed through evaporation in hydroelectric plants.

According to the Sacramento Municipal Utility District (SMUD) for 2008, 59% of their power was provided from thermoelectric plants, 19% from hydroelectric sources, and 22% from renewable sources. Therefore, compared to a typical data center, ADC will save 220.5 million gallons of water; the equivalent of 18,375 swimming pools, to meet its electrical energy needs.

In addition, ADC's data center will capture over 150,000 gallons of rainwater annually and will filter and utilize recycled "gray" water from an offsite well to meet requirements of the facility's cooling towers, restrooms and landscaping. ADC's commitment to recycling even goes so far as to filter and reuse water discharged by the cooling towers.

Green from the Ground Up

ADC's McClellan Park facility has been designed from the ground up to minimize environmental impact and maximize sustainability.

- Located on a brownfield site, a former United States Air Force base
- Built using recycled, non-toxic, locally-sourced/manufactured materials and recycled demolition debris (over 95% recycled)
- Uses recycled (gray) water and rainwater for cooling, restrooms, and landscaping

ADC's McClellan Park Green Accolades

LEED® Platinum Pre-certification

ADC's data center has been pre-certified LEED® Platinum by the U.S. Green Building Council in recognition of its "green" building design, including its extraordinary energy efficiencies. The facility is the world's first and only LEED® Platinum pre-certified data center.

'Savings By Design'

Sacramento Municipal Utility District (SMUD) was a valuable team member in the design of ADC's McClellan data center. As a result of the unprecedented energy efficient design, ADC was awarded the highest 'Savings By Design' reward from SMUD. SMUD's energy specialists reviewed the design of ADC's first 70,000 square foot building capable of delivering 10MW of critical load and confirmed that the facility was capable of saving in excess of \$2 million dollars annually in utility costs.

Why McClellan Park and Sacramento

The ADC McClellan Park data center is situated in a seismically inactive area, outside of the 500-year floodplain and boasts \$0.07/kWh power costs. Another major advantage is the site's central California location and proximity to San Francisco and Silicon Valley, as well as significant tax incentives available through LAMBRA.

About ADC

Advanced Data Centers (ADC) is a leading owner and operator of wholesale data centers designed specifically for the corporate user. The data centers are highly specialized and secure facilities used to house, power and cool critical IT infrastructure (servers, storage equipment, etc.) Focusing on robustness and reliability, each facility is designed to exceed today's requirements and to support the constantly growing demands of future technologies. For more information, visit www.adatacenters.com.

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¹ [U.S. Environmental Protection Agency eGRID study](#)

² [National Renewable Energy Laboratory study](#)

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