

Sustainability at NetApp

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As a global company, NetApp is committed to sustainability and environmental stewardship. We firmly believe that we can meet today’s needs, deliver shareholder value, and constructively impact the communities where we work and live without sacrificing the needs of tomorrow. Our focus on this triple bottom line – people, planet, and profit – generates positive outcomes for our stakeholders, the environment, and the economy.

Our [Global Corporate Citizenship](#) program encourages and empowers corporate philanthropy, volunteerism, charitable contributions, education, and outreach as we strive to solve pressing social and economic issues. Being a [Great Place to Work](#) helps us attract employees who share our corporate values. In fact, for nine consecutive years *FORTUNE* has ranked NetApp as one of the top *100 Best Companies to Work For*; in 2011, they ranked us #5 on the list. By being a responsible corporate citizen and a great place to work, we inspire our employees, customers, and communities to lead healthy and vibrant lives.

From an environmental perspective, NetApp creates [data storage solutions](#) widely recognized for enabling our customers to reduce power consumption and meet their [green IT objectives](#). We bring that same environmental awareness home by practicing [sustainable operations in-house](#) through energy conservation, waste reduction, recycling, and other programs that allow us to meet or exceed [international certification and compliance standards](#).

One look at our 2010 carbon disclosure below will show that we’re performing well and working hard to develop new strategies that will reduce our carbon footprint and lessen our environmental impact even further. This well-known and highly regarded commitment to sustainability, environmental conservation, and green IT has strengthened and defined our [corporate leadership](#) role within the IT industry.

	NetApp’s Footprint			
(Mt CO ₂ e)	USA	India	Rest of	Total

			World	
Scope 1 Direct	1,405	6,677	0	8,082
Scope 2 Indirect	70,238	13,261	4,739	88,238

	<u>Key Sites</u>		
<i>(Mt CO2e)</i>	Sunnyvale, CA	Research Triangle Park, NC	Bangalore, India
Scope 1 Direct	1,397	8	6,677
Scope 2 Indirect	21,707	36,978	13,132

Intensity Metrics	
CO2e/HC	CO2e/Rev. \$M
10.13	20.52

We're always interested in collaborating, sharing best practices, and learning from our stakeholders. Jump into the discussion by joining [Our Green Community](#) online public forum. Let us know what social and environmental issues matter to you!

Corporate Leadership

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At the corporate level, NetApp takes a proactive thought leadership role in both the IT industry and sustainability. In 2010, NetApp was a finalist for the Uptime Institute Green Enterprise IT (GEIT) Award. That same year, the chamber of commerce in our corporate hometown of Sunnyvale, CA awarded us the Murphy Award for Outstanding Community Contribution. In addition, this year NetApp broke into the top 100 among Newsweek's top 500 Green US Firms. Furthermore, our Carbon Disclosure Project (CDP) score increased 40% from last year.

Coupled with these achievements, NetApp actively participates in the following organizations, highlighting our commitment to reduced power consumption and other aspects of the energy footprint:

- [The Green Grid](#) develops meaningful, platform neutral standards, measurement methods, processes, and new technologies to improve the energy efficiency of global data centers.
- [The Uptime Institute](#) provides education, publications, consulting, certifications, conferences and seminars, independent research, and thought leadership for the enterprise data center industry and professionals.
- [Sustainable Silicon Valley](#) (SSV) is leading Silicon Valley to a more sustainable future through collaboration with local government agencies, businesses, and community organizations to identify and address the highest-priority environmental issues.
- [Sustainability Roundtable Inc](#) is a private research and consulting company. Their flagship Sustainable Real Estate Roundtable (SRER) service advises companies leading the global move to more sustainable real estate.
- [Silicon Valley Leadership Group](#) (SVLG) involves business executives with government officials at all levels to address major public policy issues affecting the economy and quality of life in Silicon Valley including the housing, transportation, energy, education, the environment, and business and tax policies that keep California and Silicon Valley competitive.
- [Moffett Park Business Group](#) (MPBG) is a nonprofit organization acting as a common voice for developers and employers in Sunnyvale, CA, advocating for traffic mitigation solutions and other mutual business interests. NetApp was the founder of MPBG's Environmental Roundtable, a peer working group seeking to drive sustainable change within our community through collaboration and sharing of best practices.

• Sustainable Operations

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- **NetApp practices what we preach with sustainable operations at our corporate headquarters in Sunnyvale, CA. Since 2008, our headquarters has been certified as a Green Business by Santa Clara County, recognizing that NetApp goes beyond environmental regulations and implement measures. We even offer tours of our onsite data center and labs, which in 2008 earned a US\$1.4M rebate from PG&E for their energy efficient**

design. You can learn more about both distinctions by reading the [December 2008 press release](#). Equally important, we achieved [LEED Silver and ENERGY STAR certification](#) for Building 8 in Sunnyvale and will ensure that all new construction achieves a LEED Gold rating.

- Our environmental efforts reach all our locations. In 2010 we received the [Triangle Business Journal Green Award for Commercial New Construction](#) at our east coast location in Research Triangle Park, NC. That site is also the location of NetApp's Global Dynamic Lab (GDL), a remarkable facility that received the first [EPA ENERGY STAR certification](#) for a data center. For a detailed analysis of what makes the GDL so efficient, check out our white paper titled, [Breaking the Glass House: NetApp Global Dynamic Lab Delivers Higher Power Density, Greater Efficiency, and Lower Capital and Operating Costs](#). Last year this state-of-the-art facility won praise from our industry peers and received the [SNW Best Practices Award](#) for green computing and energy efficiency in a data Center
- Our locations reduce power consumption and improve energy efficiency through co-generation technologies and by participating in Pacific Gas and Electric Company's automated demand response (ADR) program. These efforts have resulted in significant cost savings and recognition for supporting the needs of the community during periods of high electric demand. However, power consumption is not the only concern of sustainable operations.
- Our Reduce, Reuse, and Recycle Program focuses on reducing the volume of disposable materials used at our offices; we even offer employees a reusable mug for daily beverages. Recycling diverts much disposable materials from the local landfills. However, we also use compostable materials whenever possible, including takeout containers and flatware. Then, we compost kitchen and food waste. In California, these programs earned NetApp a [California Waste Reduction Award Program \(WRAP\) award](#) four years in a row.
- Since remaining a great place to work worldwide is a top priority, we also provide services to our employees that encourage them to reduce their carbon footprint and reduce the total number of vehicle trips per employee per day. This year we're also planning to roll out electric vehicle (EVs) charging stations at our larger sites, enabling our employees committed to sustainability to make it to and from work hassle-free.
- On top of all these efforts, NetApp encourages employee engagement through employee seminars, events and online outlets so that everyone can join the discussion and share new ideas. In this way, NetApp's corporate passion and leadership inspire employees and enable our customers toward sustainable operations.
- In order to better manage our operations and provide more transparency for all of our stakeholders, NetApp is actively engaged in carbon reporting through [The Carbon Disclosure Project](#). Below you will find the key metrics associated with our global corporate carbon footprint.
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Green IT

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A key component to sustainability is the conservation of natural resources to ensure a clean planet, water, and air for future generations. Most IT organizations are experiencing exponential data growth leading to greater storage needs. The traditional approach of adding more disks and storage systems satisfies demand, but also leads to a proportional increase in power, cooling, and space requirements that eventually stress data center limits. We fight power consumption with a simple equation – subtract machines and disks, thereby lowering people, support, space, and service costs. Our [Eight-point strategy](#) for reducing storage

power consumption uses technology to halt power consumption and growth at its source by incorporating the [Ten NetApp Techniques for improving data center power efficiency](#).

We're proud to enable our customers to meet their sustainability goals and green IT objectives. Last year we ranked number 3 on the list of [Computerworld's Top 12 Green IT Vendors](#), demonstrating that we take our commitment seriously. In fact, the story of [Affordable Internet Service Offerings \(AISO\)](#) and how they gained projected savings of US\$4.6M from implementing a [NetApp virtualization solution](#) is a perfect example of our corporate impact on green IT objectives.

Most storage vendors reduce power consumption by consolidating data onto fewer systems with high-capacity hard disk drives. Our approach goes well beyond consolidation by applying proprietary technology—FlexVol®, FlexClone®, Snapshot™, and deduplication—to dramatically increase storage utilization. Oliver Wyman (formerly Mercer Management Consulting) quantifies the benefits of using efficient storage in the white paper "[Making Green IT a Reality: Customer Perspectives on the Impact of Storage Vendor Decisions on Power, Cooling, and Space in Enterprise Data Centers](#)" (PDF). We've also got our own [NetApp IT Success Story](#) based on our energy efficient [products](#).

We realize that green IT is not just about power consumption but also about providing solutions that are designed, produced, used, and disposed of consistent with our [Supplier Responsibility Program](#) and [environmental certifications](#). We have long encouraged system recycling and, with a diversion rate above 99%, have diverted millions of pounds of expired equipment from landfills. Based on our commitment and performance in recycling and repurposing, our product return program received [The California Product Stewardship Council \(CPSC\) Infinity Arrow Award](#) for product service and take-back consistent with best practices in environmental conservation and sustainability.

Environmental Certifications

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NetApp is committed to providing products and services that meet and exceed international standards and achieve continual improvement. We are committed to complying

with all applicable laws and regulations including ISO certifications, European Union's Waste Electrical and Electronic Equipment (WEEE), and Restriction of Hazardous Substances (RoHS) and REACH (Regulation for Registration, Evaluation, Authorisation and Restriction of Chemicals) directives.

Additional information

- [ISO 9001:2008](#)
- [ISO 14001:2004](#)
- [European Union RoHS and WEEE Statement](#) (PDF)
- [European Union RoHS Compliance Statement](#) (PDF)
- [China RoHS Compliance Statement](#) (PDF)
- [China RoHS Toxic and Hazardous Substances or Elements Table](#) (PDF)
- [European Union REACH \(Regulation for Registration, Evaluation, Authorisation and Restriction of Chemicals\) Compliance Statement](#) (PDF)
- [European Union REACH \(Regulation for Registration, Evaluation, Authorisation and Restriction of Chemicals\) Article Notifications – Cords and Cables](#) (PDF)
- [NetApp Inc. North America Recycling Policy](#) (PDF)

Sustainability Resources

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Here you will find a number of NetApp white papers, customer case studies, and other reading and video resources

Videos

- [iNside NetApp with Dave Robbins for Earth Day](#)
- [NetApp Take Back Program and e-Waste Recycling](#)
- [AISO: A Holistic Approach to Business Efficiency](#)
- [A Green Place to Work](#)
- [iNside NetApp on Green IT](#)
- [Highlights from the 2009 SVLG Data Center Energy Efficiency Summit](#)

- [Carpool - Do More with Less](#)
- [Power Usage Effectiveness Overview](#)
- [Power Usage Effectiveness Overview, Part 2](#)
- [Power Usage Effectiveness Overview, Part 3](#)
- [NetApp Global Dynamic Lab Full Tour](#)
- [NetApp Global Dynamic Lab Tour Part 1](#)
- [NetApp Global Dynamic Lab Tour Part 2](#)
- [Employees In Action](#)
- [AISO Deploys NetApp Storage Solutions](#)

White Papers and Customer

Stories:

- [Breaking the Glass House – The NetApp Global Dynamic Lab](#)
- [10 Techniques for Improving Data Center Power Efficiency](#)
- [8-Point Plan for Fighting Power Consumption](#)
- [Oliver Wyman Report: Making Green IT A Reality](#)
- [AISO projects \\$4.6M in savings from implementing NetApp and Virtualization](#)
- [Storage Efficiency at College of Saint Rose Saves Over \\$100K Annually](#)
- [SAP Co-Innovation Lab Provisions Green Landscapes with NetApp](#)
- [NetApp IT Success Story](#)