Environmental Sustainability



Smart Applications to support future growth and care for the environment

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THE CHANGING BUSINESS LANDSCAPE

Demand for energy is rising— 8.5 billion 49%

Projected global population in 2035, up 1.8 billion from 2007¹ Forecasted rise in energy consumption by 2035¹

43%

Estimated increase in CO₂ emissions from energy use by 2035¹

-creating opportunities to use IT to increase energy efficiency and deliver low-carbon solutions.

7 in 10

Worldwide, 69% of IT leaders cite reducing energy costs as the top motivation for pursuing green IT²

\$3.7 billion

Annual cost of wasted energy by idle and underused servers worldwide³

1M cars off the road

The comparable impact on reducing emissions if large US and UK companies use telepresence meeting solutions by 2020⁴

International Energy Outlook 2010, U.S. Energy Information Administration (EIA), June 2010.
"Market Overview: The Recession Dents Green IT's Global Momentum," Forrester, July 16, 2009.
"US Green Data Center Market To Hit \$13.81 Billion By 2015," Environmental Leader, August 17, 2010.
Carbon Disclosure Project Study 2010: The Telepresence Revolution, 2010.

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BUSINESS DRIVERS BEHIND SUSTAINABILITY

IT can help enterprises respond to a broad range of risks and opportunities

RISKS

- Higher costs
- Supply chain disruptions
- Operational inefficiencies
- Tighter regulations
- Weakened brand

OPPORTUNITIES

- Top-line growth
- Higher productivity
- Greater innovation
- Competitive differentiation
- Investor and stakeholder trust

CHALLENGES AND OPPORTUNITIES

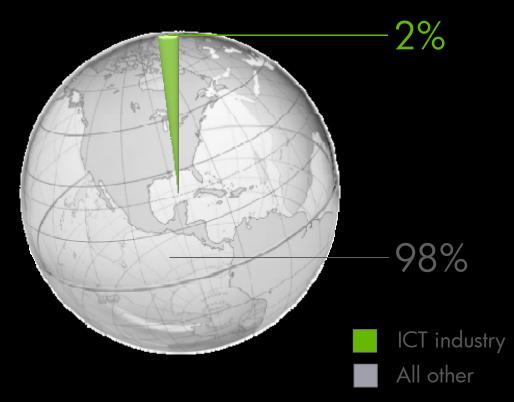
How can you manage what you can't measure?

And how can you optimize what you can't manage?



Beyond Technology's Footprint

Reducing technology's impact while responding to the larger opportunity



Energy is everywhere—but hidden from view

Do you know where energy most effects your business?



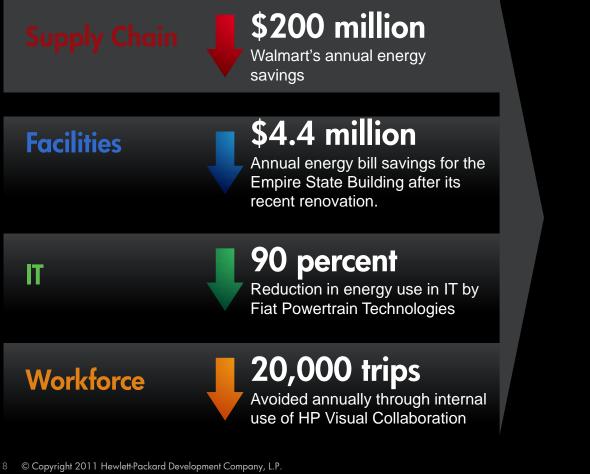
Energy is everywhere—but hidden from view.

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Facilities IT How many facilities does your Do you know if your IT is organization have spread around running at maximum the world? Buying power from efficiency? how many utilities? **Supply Chain** Workforce Do you know the energy Are you empowering your embedded in your outsource employees at all levels to products? Have you look for ways to save optimized every mode and energy? node of your logistics network? 7 © Copyright 2011 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. **HP** Confidential

How much could you gain from better visibility and insight?

Leaders have begun to realize opportunities in parts of their businesses.



Imagine the enterprise opportunity.

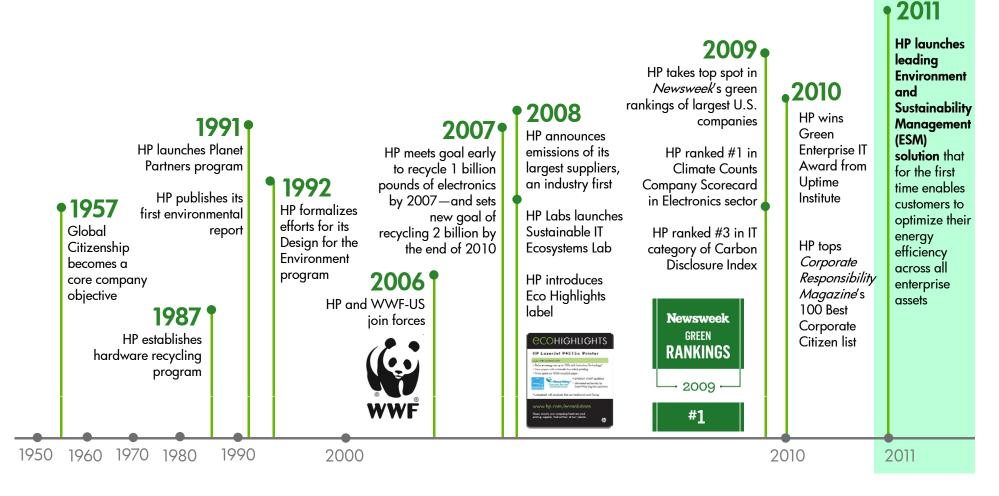
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Thrive In the Low-Carbon Economy

Technology creates efficiencies, increases productivity and drives transformation

Portfolio More than 1 billion people rely on HP every day	Operations 300,000+ employees, 170 countries	Supply chain Largest in the IT industry	Partnerships Advance industry standards and educate the public
OPTIMIZE RESOURCES	INFRAST	ITELLIGENT RUCTURE	DRIVE SUSTAINABLE TRANSFORMATION
Choosing IT that increases efficiency and re- waste.	Applying IT duces to maximize p better decisio	performance and make ns faster.	Shifting IT to more productive and sustainable technology solutions.
2			
Wynyard Data Center	Central Nervous System for the Ea	rth (CeNSE) HI	

ESM BUILDS ON HP'S LEGACY OF ENVIRONMENTAL LEADERSHIP...





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RAISING THE BAR BY REDUCING OUR IMPACT

HP is applying our own solutions and best practices to limit our footprint

Portfolio

- In 2009, we set a goal to reduce the energy consumption of our products by 40% from 2005 levels by the end of 2011. We achieved that goal 9 months ahead of schedule, and today HP products are on average 50% more energy efficient than they were in 2005.
- By 2011 we used more than 100 million pounds of recycled plastic in HP printing products achieving our goal 1 year early.
- HP offers the largest selection of ENERGY STAR[®]-qualified, EPEAT[®] and other ecolabel guidelines electronic products in the industry

Supply chain

- In 2008 HP became the first in the IT industry to report its supply chain emissions.
- We've conducted nearly 600 audits to ensure our suppliers meet HP's stringent environmental standards.

Partnerships

- We're working NGOs such as the Climate Group, World Wildlife Fund and National Resources Defense Council to address environmental issues with HP technologies, education programs and public policy efforts.
- HP is co-leading a working group in the Electronic Industry Citizenship Coalition to develop an online carbon reporting system to help suppliers to measure and disclose greenhouse gas emissions.

Operations

- We're committed to reducing our greenhouse gas emissions 20% below 2005 levels by 2013.
- We've consolidated 85 data centers to six energyefficient facilities, helping reduce costs by 60%.
- With HP Visual Collaboration, we avoid 20,000 business trips annually, reducing CO₂ emissions by 35,000 tonnes and saving millions of dollars.



Optimize Resources

Choose technology that increases efficiency and reduces waste.

Opportunities

- Save energy and money without sacrificing IT performance
- Reduce costs and risks associated with your carbon footprint
- Conserve paper and other resources
- Lower demand for natural resources by purchasing IT made from recycled materials
- Maximize reuse and recycling of old IT and supplies
- Implement and manage green procurement guidelines



Build Intelligent Infrastructure

Apply IT to maximize performance and make better decisions faster.

Opportunities

- Integrate IT management to deploy energy-efficiency measures across the network
- Reduce waste by more accurately anticipating and responding to resource needs
- Use IT to increase transparency and drive more informed decision making



Drive Sustainable Transformation

Shift to more productive and sustainable technology solutions

Opportunities

- Replace energy-intensive, carbon-heavy processes with more efficient alternatives
- Redefine how people, businesses and industries work
- Shift priority from reducing costs and risks to creating platforms for top-line growth



BUILD INTELLIGENT

DRIVE SUSTAINABLE

TRANSFORMATION

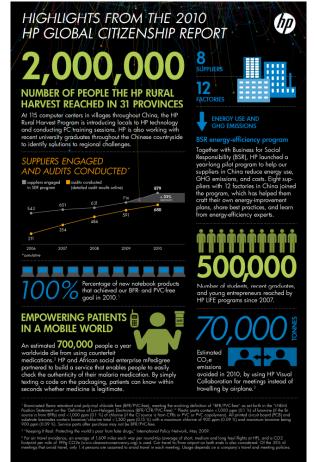
OPTIMIZE

RESOURCES

Take the Next Step

Learn more and get tools to reduce your impact and grow your business

- Visit hp.com/earth
- Shop the <u>HP EcoSolutions Online Store</u>
- Get an <u>HP white paper on green</u> procurement
- Download the Green IT Action Plan for Printing and Imaging
- Use the <u>HP Carbon Footprint Calculator</u> for printers, PCs and monitors
- View the 2010 HP Global Citizenship Report and Video: <u>Citizenship in a</u> **Changing World**





Thank you



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