

GROWTH EVERY SECOND IN THE CONNECTED AGE

- 2 new blogs created
- 4 cell phones purchased
- 7 personal computers are sold
- 1,200 views on YouTube
- 11,000 songs are shared
- 2,000,000 emails are sent





TECHNOLOGY REVOLUTION

A billion laptops in the next 5 years

11x more 3g modems sold (by 2011)

6x more storage needed (2006-2010)

76% more energy consumed (2005-2010)



OUR CUSTOMERS & GREEN ICT

- 34% already have a Green IT strategy
 - 15% plan within 24 months
- Top 3 drivers for Green IT?
 - Cost reductions/savings(74% of respondents)
 - Regulatory compliance (72% of respondents)
 - Reaching a sustainable level of energy (68% of respondents)

TOP 5 Hurdles

- 1. Lack of in-house skills
- 2. Other constraints not compatible with Green IT
- Insufficient time to implement a strategy
- 4. Lack of measurements on the impact of Green IT in the organization
- 5. Lack of industry guidance on Green IT



DELL'S VISION FOR A GREENER PLANET

Become the 'greenest' technology company on the planet

Help our customers reduce cost and complexity

Manage our supply chain to ensure ethical behaviour



DELL'S LIFECYCLE APPROACH TO GREEN



G LEADERSHIE NUFACTURING

STEPS TO ACHIEVING CARBON NEUTRALITY

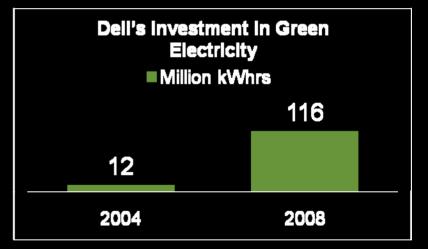
1.INVEST IN EFFICIENCY

- Measurement of Power usage and Carbon emissions
- Improving efficiency in Data centres,
 Technology, lighting and air conditioning

\$3+ MILLION IN 2008

2.INVEST IN RENEWABLE ENERGY SOURCES

- Switching to renewable energy suppliers.
- 870% increase Austin is 100%



3.OFFSET REMAINING EMISSIONS



RENEWABLE ENERGY CREDITS & REFORESTATION



SCOPE OF DELL'S CLIMATE COMMITMENT

Dell Carbon Neutral Scope **Dell Facilities emissions**

Dell Facilities Electricity use

Dell Business air travel

Scope 1

Scope 2

Scope 3

Dell Supplier QBR Requirements

Supply chain emissions and electricity use

GHG Protocol Scope*

Energy Smart
Products & Services

Plant a Tree/Forest

Product electricity use

Other



ENABLING OUR CUSTOMERS

Dell is committed to driving customer savings through the world's most energy-efficient computers

Dell is the first computer manufacturer to transition all of its new laptop displays to energy-efficient LED

Dell's packaging reduction plan will result in estimated savings of more than \$8 million, and eliminate approximately 20 million pounds of packaging material

In 2007, Dell recovered **102 million pounds** of IT equipment from customers, a **20% increase** over 2006



RECYCLE: FLEXIBLE, THOROUGH, DEPENDABLE

ASSET REMOVAL & LOGISTICS

AUDIT, SORT, & DATA DESTRUCTION **DISPOSITION OPTIONS***









- Resell
- Recycle
- Return to Lease
- Redeploy
- Donate

Pack

Plan

Transport

- Data Security
- Audit and Assess
- Asset tag removal
- Detailed Reporting

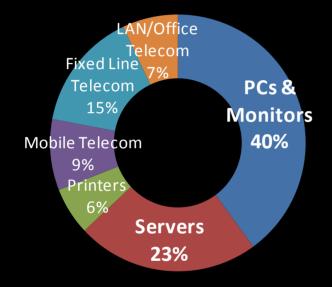
*some geographical limitations may apply

- Global compliance with environmental laws & regulations for recycling
- Stringent controls over data security
- Detailed audits of environmental partners and downstream channels
- Flexible disposition options

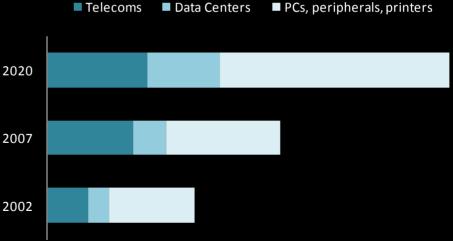


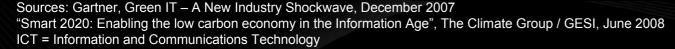
PCS / MONITORS AND SERVERS DOMINATE IT CO₂ EMISSIONS

ICT Related Carbon Footprint



Global Footprint by ICT Subsector







REDUCE CLIENT DEVICES ENERGY CONSUMPTION

"We thought that if we were going to be the leader in the industry in energy-saving programs, we should evaluate promising technology by testing it on ourselves first. We could then offer the lessons we learned with our experiences to benefit customers, enabling their energy efficiency through system improvements, tools, and best practices."

Jay Taylor, Senior Engineer Global Strategist, Dell

CHALLENGE

Conserve energy and cut expenses at Dell by reducing the power used by approximately 50,000 of its computers during non-business hours

SOLUTION

Dell installed 1E

NightWatchman and 1EWakeUp software on its desktop and notebook computers. NightWatchman helps reduce energy waste by turning off computers overnight, and 1EWakeUp repowers machines from a centralized command

BENEFITS

Dell expects up to a 40 percent reduction in energy costs for desktop and notebook computers, leading to an estimated savings of US \$1.8 million annually



REVEALING DELL'S HIDDEN DATA CENTERS . . .



BUILD NEW DATA CENTERS

DELL ON DELL: DATA CENTER ENERGY & PERFORMANCE

Hardware

- ~ **98,000**+ Client Systems
- ~ 26,000+ Dell Servers

Networks

- 126 Dell Global WAN Sites
- **307** WAN Links
- 420 Metro Dell-managed Fiber Paths
- 3,000 Wireless Access Points
- 248 Dedicated Extranet Partner Links

Total SAN Storage

- **15.8+** Petabytes
- 350+ SAN Switches
- 2nd Largest Storage Area Network in US, Top 5 Globally*

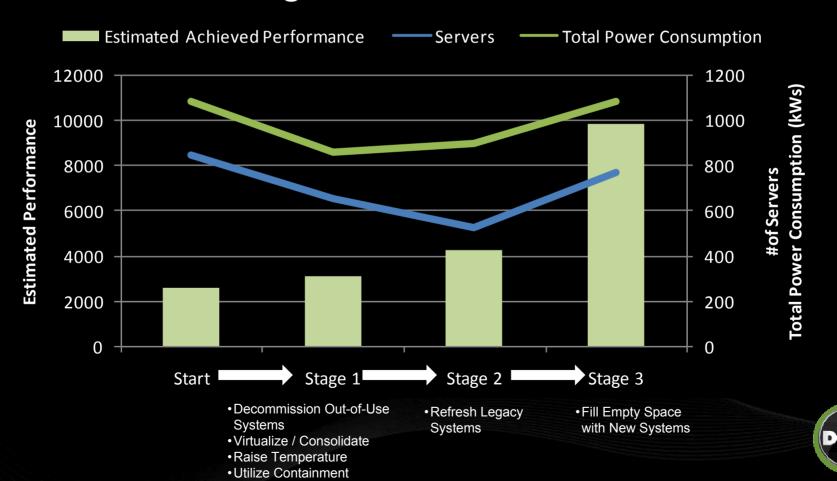




COMPUTE CAPACITY

Increased 270% with less servers & same power consumption

Revealing Your Hidden Data Center



Source: Dell Data Center Infrastructure Group Technical Analysis, October 2008

Move Cooling Closer to IT

PLANS FOR NEW DATA CENTER ON HOLD INDEFINITELY

> \$50M EXPECTED OPERATIONAL SAVINGS



DELL CONFIDENTIAL 1

THE GREEN GRID

- The Green Grid is a global consortium dedicated to developing and promoting energy efficiency for data centers and information service delivery by:
 - Defining meaningful, user-centric models and metrics
 - Promoting the adoption of energy efficient standards, processes, measurement methods and technologies
 - Developing standards, measurement methods, processes and new technologies to improve performance against the defined metrics





















