Carbon Neutrality: The HSBC Story

Sharon Walck
Environmental Manager
HSBC USA, NA

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FT Sustainable Bank of the Year 2006
What is HSBC?

- Headquartered in London
- We are one of the largest banking & financial services organisations in the world
- 284,000 employees in 76 countries
- Over 10,000 buildings, 66m sq ft of space
- Over 125 million customers
- 200,000 shareholders in 100 countries
Why does Climate Change concern HSBC?
Climate Change Matters...

We believe that climate change represents the largest single environmental challenge this century and that financial institutions will play an important role in the shift to cleaner energy.

“HSBC is working to support the transition to a low-carbon economy. As a carbon neutral company, we are proud to be investing in renewable energy technology including wind and solar power and hope that our actions will inspire other financial institutions to do the same.”

(Stephen Green, Group Chairman, HSBC Holdings plc May 2006)
HSBC’s house view:
The science is overwhelmingly clear…

Source: WWF
Climate Change: The Business Forecast...

- Greenhouse gas concentrations have been increased dramatically by human activity
- Climate change is happening and is urgent
- Our 125 million customers around the world will be affected by climate change (by heatwaves, droughts, storms etc.)
- Large cuts in emissions are required to stabilise climate, and the shift to low carbon will offer major financing opportunities
- There is a wide range of options for reducing emissions
Managing our direct impacts:

The world’s first Carbon Neutral bank
Why Carbon Neutral?

• A key driver behind our decision to go carbon neutral was our desire to understand better the implications and impacts that an increasingly carbon-constrained economy will have both for us and for our clients, as well as gaining a better understanding of the voluntary and mandatory carbon markets.
Managing our Footprint……

HSBC is the world’s first carbon neutral bank

We have 705,000t CO₂ to manage
Reducing emissions...
Emissions Reduction

Target:
5% reduction over 3 years from 2004
India’s Coolest Building - Pune

Energy saving features

Waste management features

Water management features
Pilot project to investigate the benefit of micro-renewables

The project includes the installation of

- 3 micro wind turbines, and
- 155 photovoltaic panels installed, covering an area of 200 m², roof top, ground-mounted & glass atrium

Total green electricity generated per year at Bricket Wood from these technologies is estimated to be 21,000 kWh which is equivalent of 9t of CO₂ saved, saving over £1600
Mexico City

• Earlier this year HSBC opened the first LEED certified building in Latin America.

• New building cost in the region of £85 million.

• Incorporates energy, waste and water saving measures
Hong Kong

- Saving £70,000 per year in electricity costs
- Reducing carbon dioxide emissions by over 1,000t per year
Group carbon dioxide emissions - 2005

- Electricity: 74%
- Air: 10%
- Road: 7%
- Gas (Mains): 7%
- Other sources: 2%

Energy Savings = Cost Savings
...and offsetting what’s left.
What were the criteria for choosing offset projects?

- Additionality
- Credibility
- Cost Effectiveness
Our 2005 Offset Portfolio

- HSBC purchased 170,000 carbon credits to offset Q4 emissions

- Four projects were chosen:
  - Te Apiti - a windfarm in New Zealand
  - Sanbeierdorf - a methane capture facility (energy from waste) in Germany
  - Collex - a composting facility in Australia
  - Vensa Biotek - a biomass cogeneration project in India
The World’s First Carbon Neutral Major Bank
Any Questions?