

---

ClimateCare and CEB  
Small Scale CDM  
Project  
CFLs in  
Mauritius

22 September 2008

# ClimateCare

---

- ▶ **Our corporate aim:** To have the biggest impact in tackling climate change globally
- ▶ A project originator that develop high quality (Gold Standard) low carbon solutions in communities across the World. Our projects have strong sustainable development or poverty alleviation benefits in our participating countries.
- ▶ A world class retailer of carbon offsets for consumers and businesses through [www.climatecare.org](http://www.climatecare.org) and in partnership with resellers
- ▶ An experienced offset provider that has helped to shape the carbon offset industry for 10 years. Climate Care has delivered and verified over 1m tonnes of Co2e reductions. We currently have a pipeline of over 120 projects in development, expected to deliver over 10m tonnes of CO2 reductions over the coming years.

# Clean Air Cool Planets' *A consumers' guide to Retail Carbon Offset Providers (Dec 06)*

---

## ► Top performing providers against 7 individual criteria;

1. Provider's prioritisation of offset quality **Ranked #1**
2. Buyer's ability to transparently evaluate offset quality **Ranked #1**
3. Transparency in provider operations and offset solutions **Ranked #1**
4. Provider understanding of the technical aspects of offset quality **Ranked #1**
5. Ancillary environmental and sustainable development benefits of offset portfolios **Ranked #2**
6. Use of third party project protocols and certification **Ranked #2**
7. Priority assigned by provider to educating consumers about global warming and global warming policy **Not ranked**

# Who do we work with?

## Travel

**BOMBARDIER**

 First Choice

 lastminute.com

**EXPLORE!**  
WORLDWIDE

 **ROUGH  
GUIDES**

 lonely planet

 **responsibletravel.com**  
Holidays that give the world a break

## Consumer

 **LAND-  
ROVER**

 **British Gas**  
house.co.uk

**e-on**

 **POWERGEN**

 **The COOPERATIVE BANK**  
Customer led, ethically guided

**YAHOO!**

## Other

 **FSA**  **AVIVA**

 **F&C**  
Investments

 **BARCLAYS**

*Interface* **FLOR**

**WHATCAR?**

**bre**

## Opinions

 **the guardian**

**DN.**

 **Labour**  
labour.org.uk

 **Conservatives**

 **LIBERAL DEMOCRATS**

 **forum for  
the future**  
action for a sustainable world

# What is Carbon Offsetting?

## The Reduce and Offset Approach

---

- ▶ Each time we heat or cool our homes, take a flight or drive the car, fossil fuels are burnt and CO2 is released into the atmosphere, causing climate change. We all need to take steps to reduce our carbon footprint or the CO2 we produce.
- ▶ For the greenhouse gases we cannot avoid emitting, we can use carbon offsetting. In our experience nearly every company and individual treats the offsets they buy as a part of their 'reduce and offset' approach.
- ▶ Carbon offsetting enables you to take responsibility for the CO2 emissions your activities create by paying someone to reduce CO2 in the atmosphere on your behalf.
- ▶ Renewable Energy Projects (e.g. wind farms, mini hydro) or Energy Efficiency Projects such as **CFL installations** in homes.

# Some of the benefits of CFLs

---

- ▶ Working with Central Electricity Board (CEB) and Ministry of Environment since 2002 on pilot projects in Mauritius
- ▶ 1 Million CFLs can save around 226,000 tonnes of CO<sub>2</sub>
- ▶ Potential “peak shaving” of 42 MW in theory but about 20 MW in practice
- ▶ Deferred capacity building costs of \$26 million (20MW)
- ▶ 3 CFLs will save around Rs 50 per month (about Rs 5,000 in their life)
- ▶ Each CFL can save half a barrel of oil in its life (\$63 million)

# Can CFLs really make a difference?

---

- ▶ The International Energy Agency (IEA) stated that if GLS lamps were phased out and there was a switch to CFLs globally, then this act alone would realise more savings than the entire commitments made under Kyoto
- ▶ Barriers:
  - Cost of the CFL
  - Knowledge about the benefits
  - Quality – cheap products can fail early and spoil the image of the CFLs

# 'Energy' is back on the global agenda !

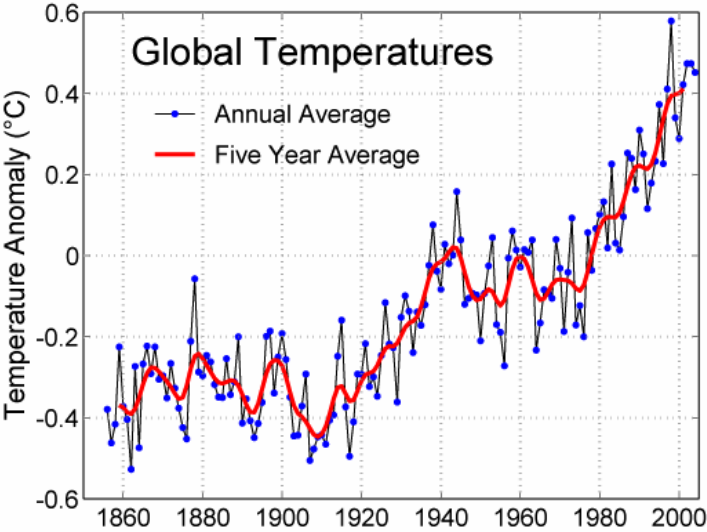
---



► Why ?



# Climate change?



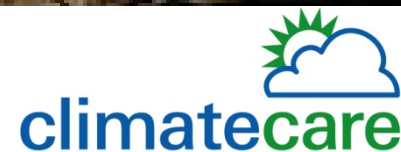
# Climate change?

---



Glacier en Patagonie

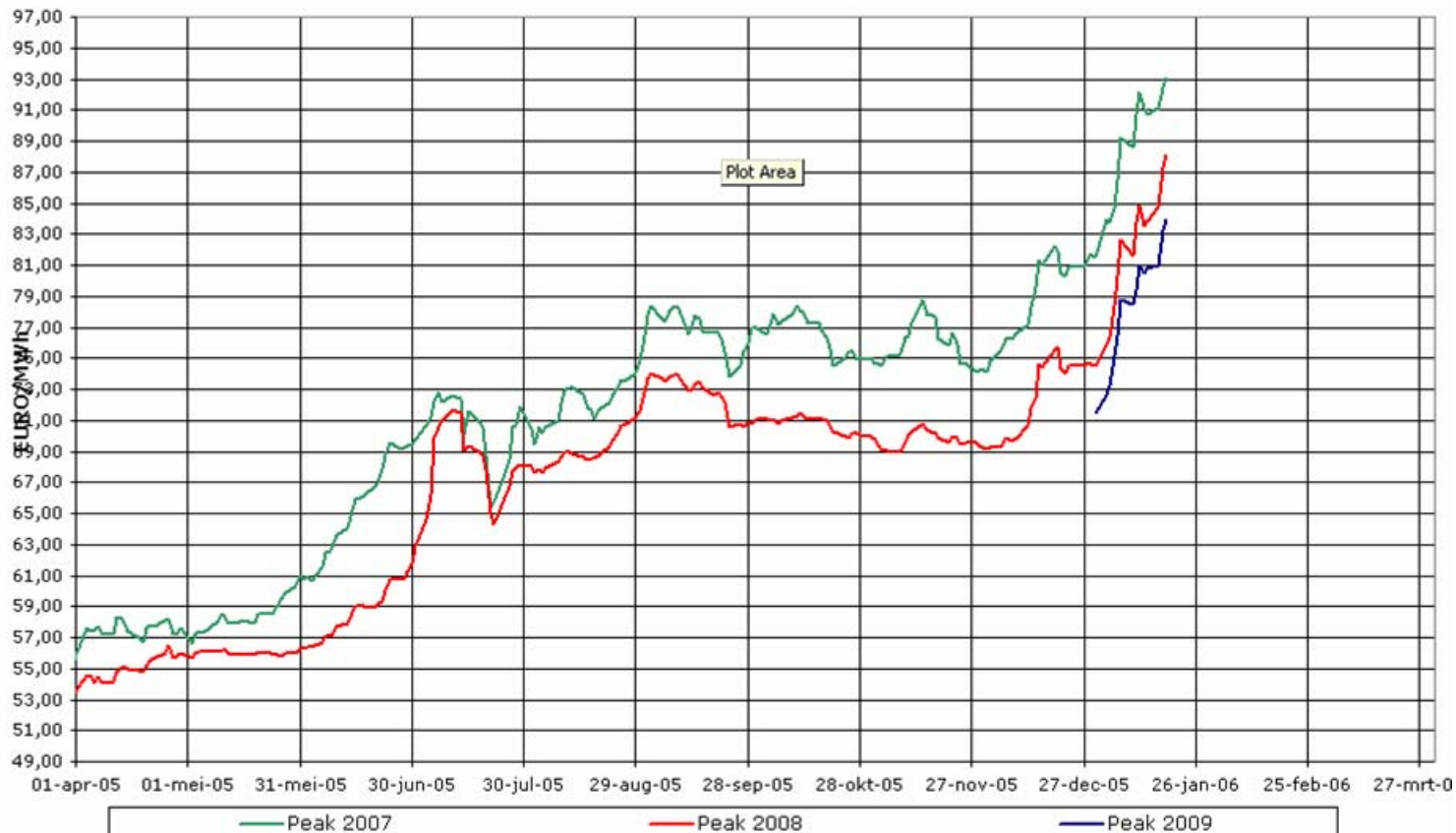
ClimateCare a business unit of JPMorgan



# Rising Electricity Prices

Endex Prices Peakload

This data is provided for information purpose only.  
Electrabel makes no warranties as to the accuracy of information or the results of use.



# The time to take action is now!!

---



## The energy challenge

Scientists estimate that a 60% to 80% cut in greenhouse gases will be needed to stabilize the atmosphere

“Each one of us is a cause of global warming, but each of us can become part of the solution...”

Al Gore, *An Inconvenient Truth*

In Samoa, entire towns are moving to higher ground, seeking protection from the many cyclones that hit the islands. The fish in Malawi's Lake Chilwa have disappeared, due to drought.

There is little doubt that these and other changes are human induced.

# Can we do something about this ?

---

Yes, we can do a lot !



# Energy-saving alternatives

---

Eliminate all incandescent bulbs?  
What will replace them?

## Compact fluorescents

Today's new generation of high-quality compact fluorescent lamps are far smaller, less expensive and offer a higher quality of light than the earlier generations.



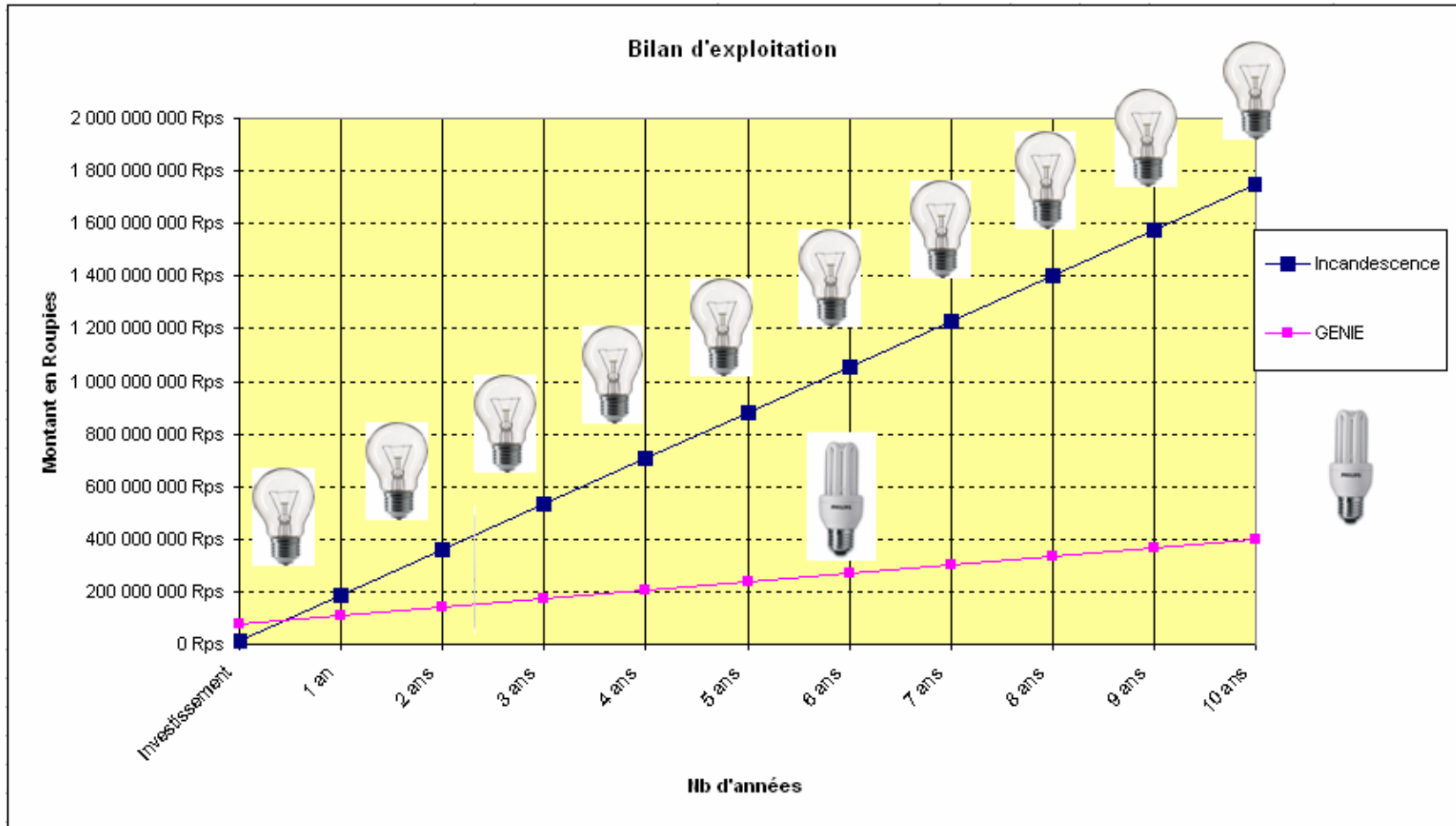
# The most simple!

Eliminating incandescent lighting.



80% reduction in energy consumption

# Very quick return of investment





# Switch to energy efficient lighting

---

If the world switched from using older less energy efficient lighting to the latest lighting technologies it could save more than 550 million tonnes of CO2 emissions per year – which would be a major help in our planets struggle with climate change. In addition new lighting technologies also save money and provide better quality light

# Conclusions

---

► Energy-efficient lighting products

– **WIN-WIN**



**End-user**

*Saves money  
and better  
quality light!*

**Environment**

*Saves CO<sub>2</sub>!  
Waste &  
Hazardous substance*

To catch this opportunity a

---

joint effort is needed



# Contact Details

---

- ▶ Brian Parry
- ▶ [brian.parry@jpmorganclimatecare.com](mailto:brian.parry@jpmorganclimatecare.com)
- ▶ <http://www.climatecare.org>