



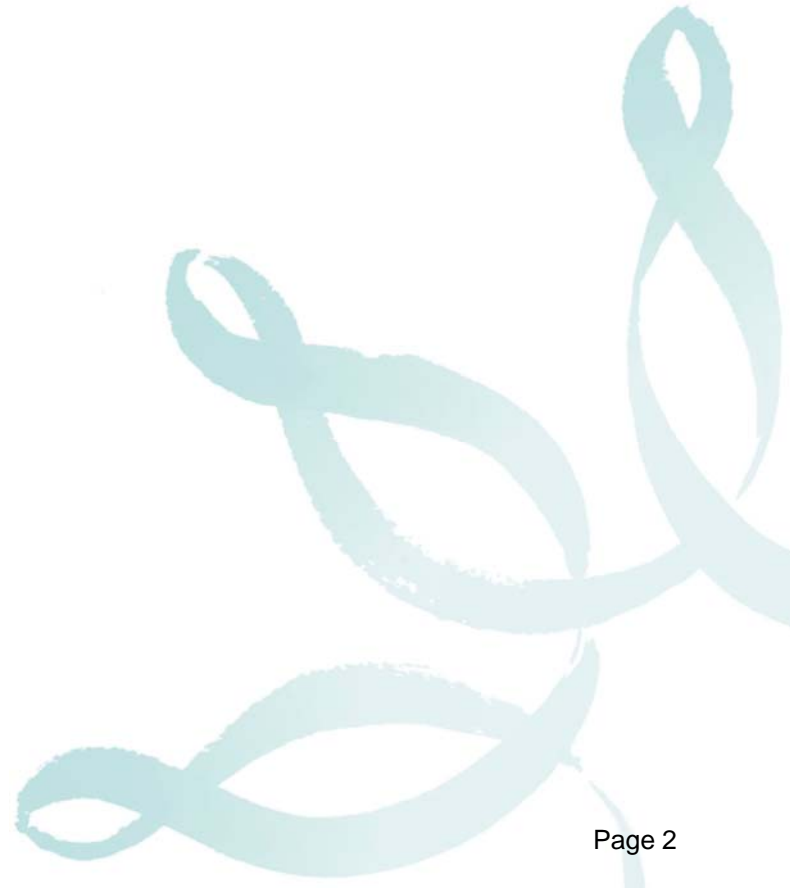
# Carbon Neutrality – the Meridian Experience

IPS Seminar on Carbon Neutrality 31 October 2007

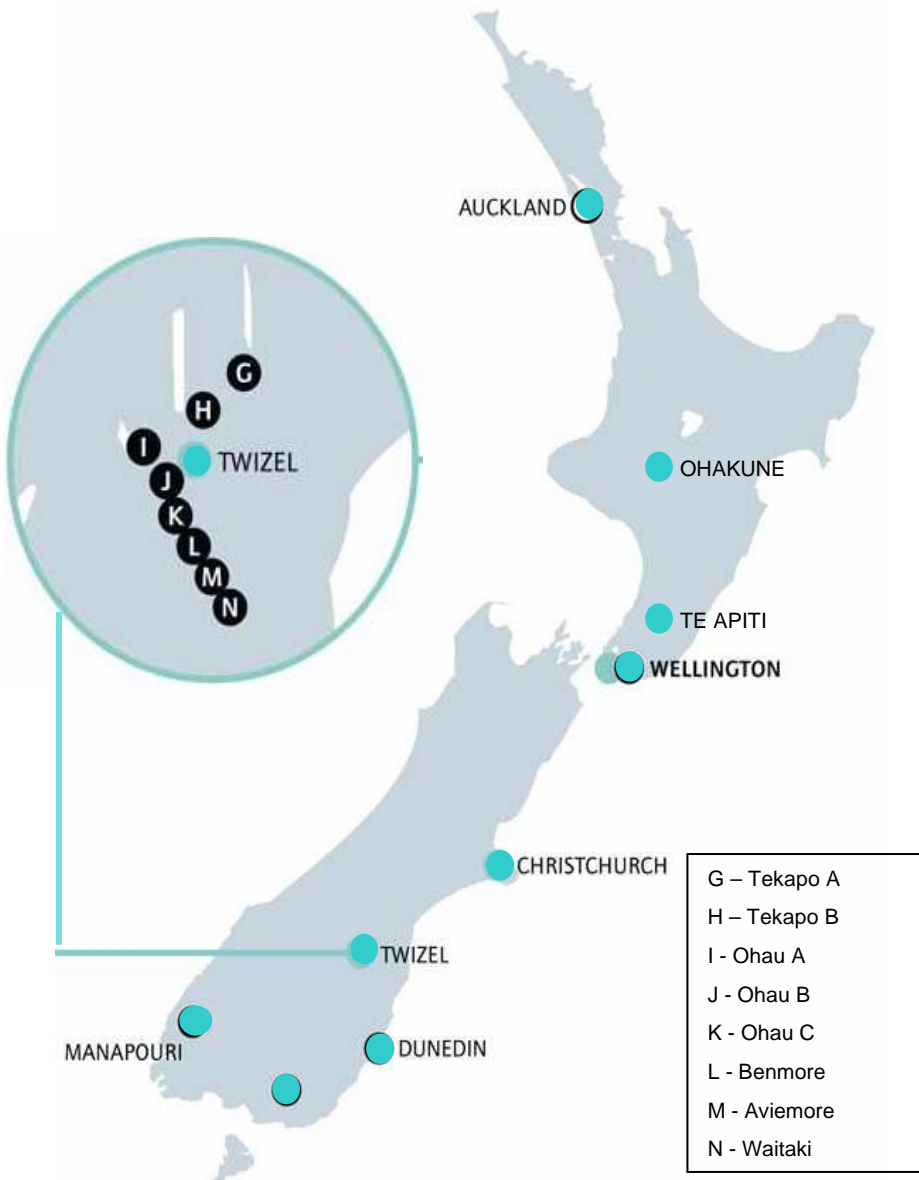
# Carbon Neutrality – part of being sustainable



- A little about Meridian Energy
- Our experience
- Lessons learnt



# Meridian's Core Business



## Wind

- Te Apiti (55 turbines)
- Wellington wind turbine
- Whitehill Southland (42 turbines)
- Project West Wind (66 turbines)

## Hydro

- 8 hydro generation stations in the Waitaki chain
- NZ's largest hydro station in Manapouri

## Co-generation

- Dunedin Energy Centre
- Winstone Pulp International (Ohakune)
- Auckland Hospital

## Core Business

- Generation, trading and retailing of energy and wider complimentary products and solutions
- Core activities supported by functions for growing the business and delivering corporate and technology requirements
- 200,000 customers across NZ

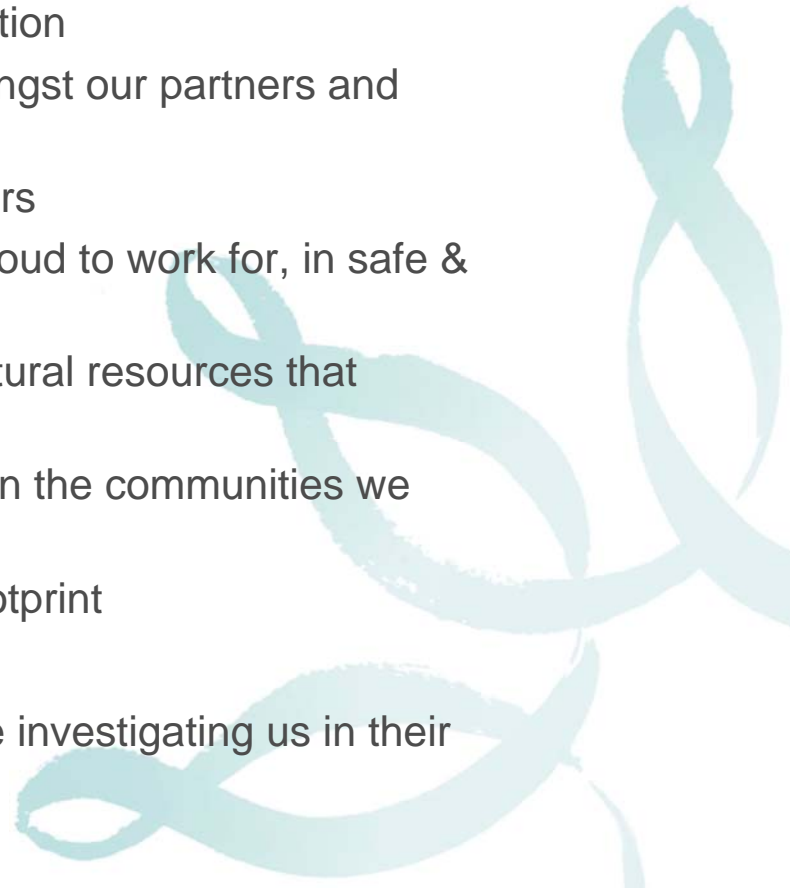
## Carbon Neutral

- Only NZ energy supplier with certified carbon neutral electricity – **carboNZero** certification by Landcare NZ

# Our sustainability journey



- Sustainable development policy
  - Being a carbon neutral company
  - Building only renewable generation
  - Encouraging sustainability amongst our partners and suppliers
  - Delivering value to our customers
  - Being a company people are proud to work for, in safe & supportive work environment
  - Nurturing and protecting the natural resources that enable us to achieve our goals
  - Supporting and being involved in the communities we operate in
  - Reducing our environmental footprint
- Sustainability statements – for those investigating us in their supply chain



# Steps towards carbon neutrality



April 2006

Meridian committed in its Annual Report to becoming a fully carbon neutral company

Feb 2007

*THE FIRST STEP* achieved  
carboNZero certification for generation and retail of electricity



Ongoing

Carbon Neutral Plans for other parts of our business including subsidiaries

April/May  
2007

Presentation to staff  
Understanding climate change and why carboNZero

June 2007

Becoming Carbon Neutral booklet for customers

Nov 2007

Sustainability statement for supply chain



# Why Did Meridian Become Carbon Neutral?



- We are a seller of carbon credits – internationally and domestically
- We are a strong advocate for carbon pricing – so there is a need to ‘walk the talk’
- Competitive advantage

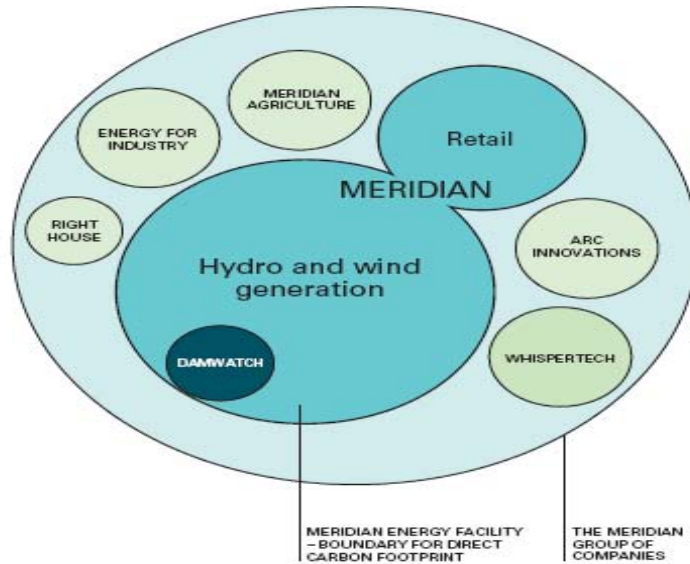


# Step by step...

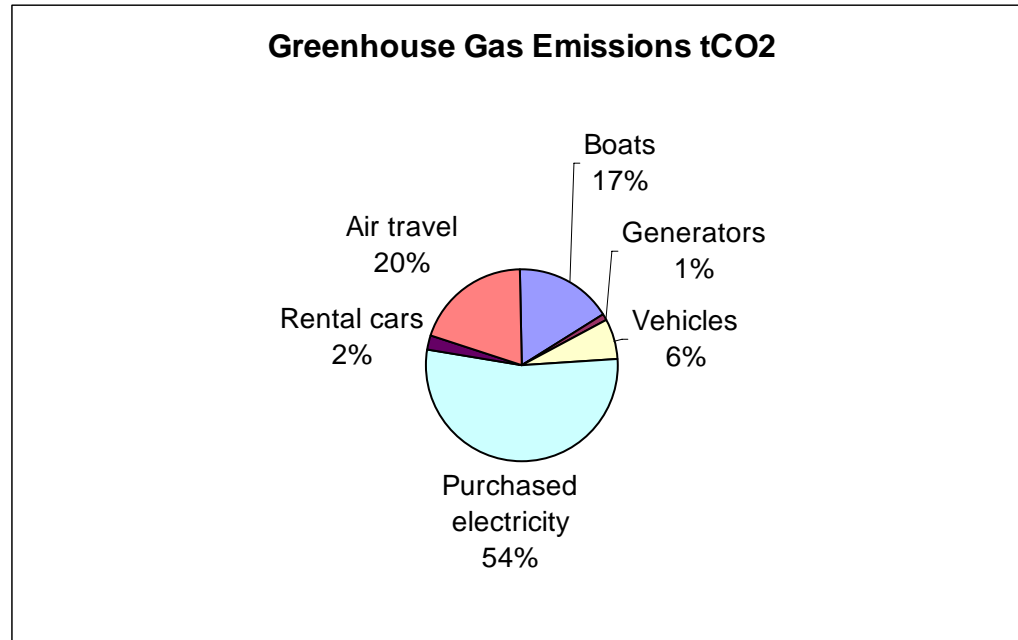


Measure ... Manage ... Mitigate

Our business split into components (“facilities”)



# What do our emissions include?



# Manage



- Measure ... Manage ... Mitigate
- Reduce emissions as far as possible
- Reduction plan includes
  - Increased focus on climate change issues & emission management
  - Fuel efficiencies - owned, leased, rented vehicles & boats
  - Video conferencing versus travel
  - Online versus paper
  - Electricity efficiency, switch it off
  - Consider cost of carbon in all purchases
  - Minimise waste to landfill. Recycle
- Ongoing refinement of plans and targets

# Mitigate



Measure ... Manage ... Mitigate

- Credits/Offsets purchased by Meridian Energy
  - From Trustpower's Tararua Stage II wind farm development
  - Investment in renewable energy sector

-  certification awarded

# Market



Measure ... Manage ... Mitigate... Market



# Meridian Energy's electricity is now certified carbon neutral.

Buying certified carbon neutral electricity is one way you could reduce your impact on the environment. To become a Meridian Energy customer, call 0800 496 496 (please have a copy of a recent electricity bill handy). For more information about what being carbon neutral means, visit [www.meridianenergy.co.nz](http://www.meridianenergy.co.nz)



Certified until 30 June 2008

Keeping New Zealand New



# The reaction?



Education is ongoing

Our customers

- Now have a choice
- Dollar value for those pursuing carbon neutrality
- Reduction is still key
- Sustainable supply chain (electricity input)



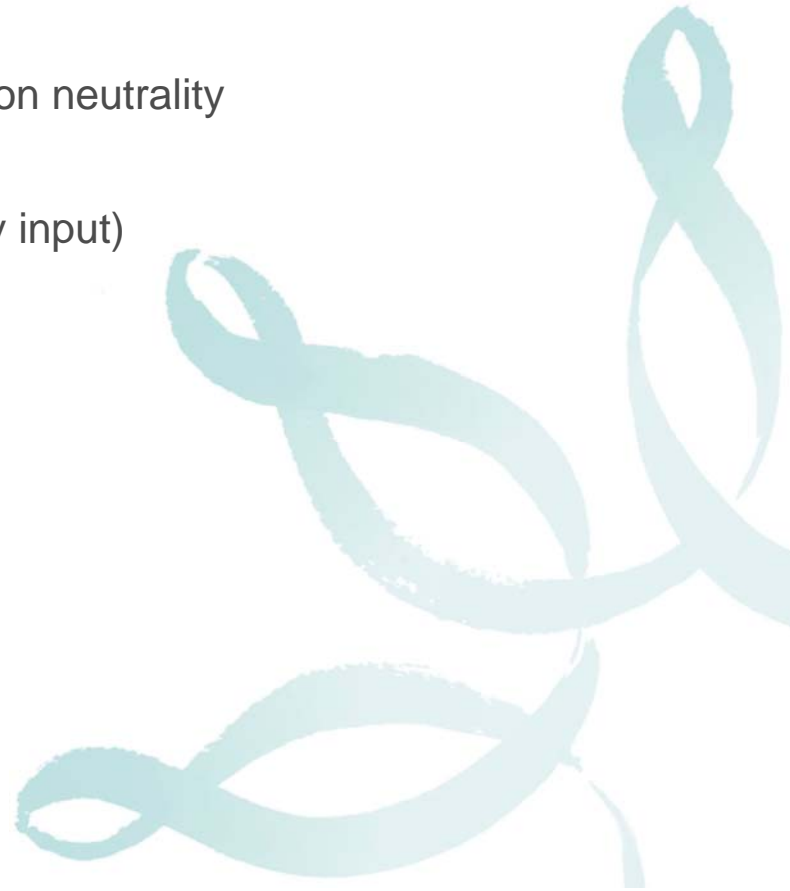
Our staff

- Proud of the stance taken



Our industry

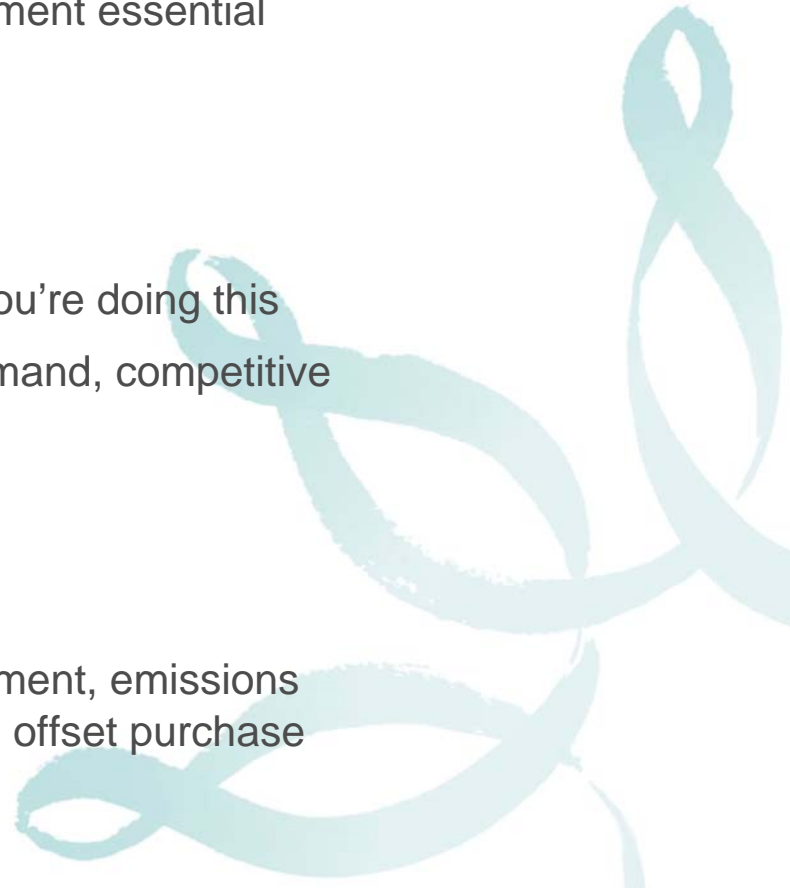
- 'Fast Followers'?
- Leading by example



# Lessons learnt



- Behavioural change, energy and commitment are required
- Do more to communicate reasons, and the case for change to staff
- Clear mandate from senior management essential
- Champions with passion
- If you're thinking about certification
- Have a clear understanding "why" you're doing this
  - Eg customer or stakeholder demand, competitive advantage
- It's a long term commitment
  - Strategic fit
  - Maintenance eg annual assessment, emissions inventory, reduction activity and offset purchase



## More Info



- [www.meridianenergy.co.nz](http://www.meridianenergy.co.nz)
- [www.landcareresearch.co.nz](http://www.landcareresearch.co.nz)
- [www.carbonzero.co.nz](http://www.carbonzero.co.nz)
- [www.pwc.com/nz](http://www.pwc.com/nz)

