

Southern Health



Veronica Jamison, Director of Support Services
'Our Environment Our Health'



Southern Health

integrity • compassion • accountability • respect • excellence

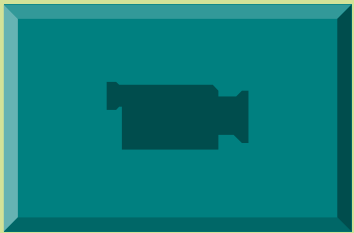
Better Health for Our Community

Presentation

- Short Video – Impact of Climate Change on Health
- Introduction to Southern Health
- Our actions to reduce Environmental Impact

Impact of Climate Change on Health

- Doctors for the Environment Australia
- <http://www.youtube.com/watch?v=249obge8M1I>



About Southern Health

- 12,722 employees
- \$1.056 billion operating expenditure
- 250 Specialty programs
- Over 40 sites
- Six public and one private hospital
- Eight Community Health Sites
- Residential Care facilities
- Mental Health facilities
- 12,722 employees at over 40 sites

Southern Health Energy Facts

- **451,319,422 Megajoules of energy** from stationary source
- **478,503,436 Megajoules of energy** for travel and transport
- Combined, equate to approximately 0.1% of the state of Victoria's total energy consumption
- **9,872 tonnes** of products and food purchased
- **7,466 tonnes** of waste generated, of which 17.2% was recycled
- **409,996 tonnes of water**
- **368,996 tonnes of sewage**
- **152,968 tonnes of emission to air generated**, of which 98% were greenhouse gases.

Our journey

- Green Champions Advisory Committee established in 2006
- Environmental Plan established in 2007
 - Includes specific goals and targets
 - Accompanied with a communication strategy
 - Executive Leadership
- Pursuit of initiatives
 - Energy management,
 - Water conservation,
 - Waste management and recycling
 - Communication strategy

Electricity

- De-lamping (removed unnecessary lighting)
- Replacing incandescent globes with energy efficient lighting
- Adjusting air-conditioning set points - higher in summer and lower in winter
- Installation of energy saving (voltage reduction) on lighting circuits with magnetic ballasts
- Use of photoelectric switching in circuits with good natural lighting
- Investment in improved electrical infrastructure and equipment



Electricity Savings

- In 07/08 Southern Health financial year:
- Electricity consumption reduced by 2,544,402 kWh and saved \$112,850
- despite increased service demands and increases in electricity costs.
- Further reductions anticipated

Energy infrastructure investment

- Investment of ~ \$1.0m over 2 years on infrastructure
- Assessed payback of 3 years or better
- Will produce recurrent savings of \$640k pa on current volumes
- Will reduce GHG by 9,137 tonnes

Water conservation

- Savings of 35,000,000 litres per year since 2006/07 (10%) \$83k p.a.

How?

- Installed water flow restrictors
- Increased cooling tower audits
- Install water saving shower heads
- South East Water water MAP
- Harvesting condensate water from Sterilizers
- Diverted reverse Osmosis Dialysis waste to flushers
- Water infrastructure upgrade/replacement
- Installation of hydro-share meters on all incoming water mains
- Recognised as a Water Map Champion by SE Water



Water Savings

- Combined annual cost savings in water, associated waste and energy usage were estimated to be \$83K (based on 06/07 water pricing).
- Annual cost savings could exceed \$150K over the next five years.

Waste Diverted from Landfill

In 2008/09, the recycling activities resulted in an estimated 1,390 tonnes (21.7%) of total waste being diverted from landfill

- 130 tonnes of cardboard
- 850 tonnes of paper
- 410 tonnes of commingle waste



Keys elements to our success

- Link between environment and health drives strategy
- 2010-2013 Strategic Plan commits to reduction in environmental impacts
- Desire to be a leader in environmental sustainability
- Board & CE commitment and Executive leadership
- A broad-based environmental plan in place
- Sustained results achieved - energy and water
- Active internal and external engagement
- But more to do!

Where to from here?

- Broaden executive 'buy-in'
- Strengthen representation and coverage of the Green Champions
- Focus more on procurement
- Investigating further recycling opportunities - organic recycling of food waste
- Better waste segregation to reduce a measured \$185k gap
- Collaborate and share learnings
- Seek further recognition and celebrate success

Key Southern Health Contacts

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