The Energy Efficiency Opportunities program – experience from industry

September 2011

stanwell

create. generate. innovate.

Overview

- Stanwell Corporation Limited
- Electricity sector in Australia
- Energy Efficiency Opportunities Act (EEO)
  - Overview and intend of legislation
  - EEO Framework
  - EEO versus Energy Audit/Energy Management System
  - EEO extension to the generation sector
- EEO alignment with industry needs

Stanwell Corporation Limited









stanwell





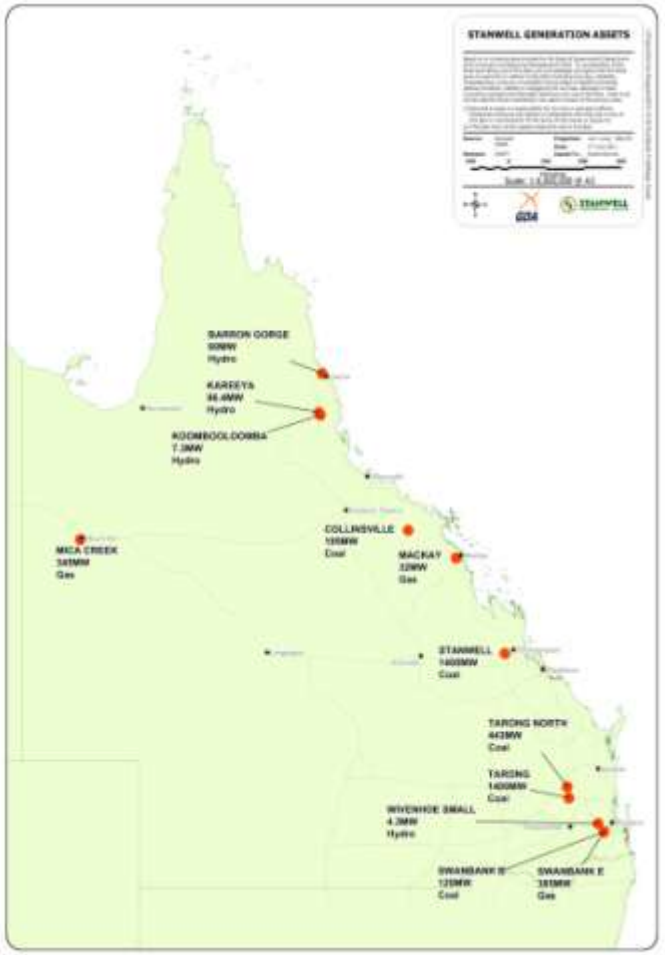
create. generate. innovate.

stanwell

Stanwell Corporation Limited's assets

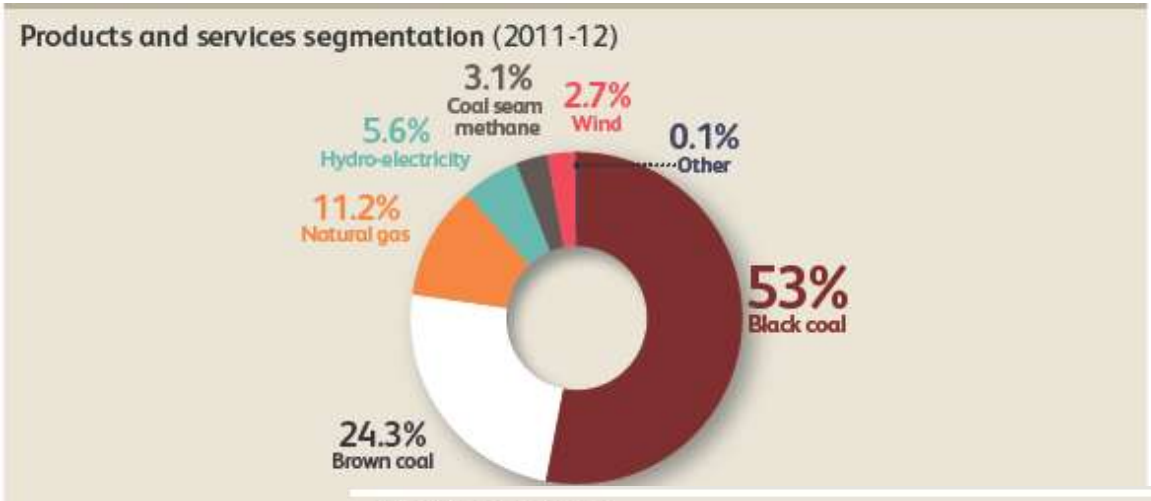
Stanwell Power Station	1,400 MW
Tarong Power Station	1,400 MW
Tarong North Power Station	443 MW
Collinsville Power Station	195MW
Swanbank E	385MW
Northern Hydros and Wivenhoe Small Hydro/Peaking Plant (Mackay Gas Turbine)	183 MW
Total	**4,006 MW**

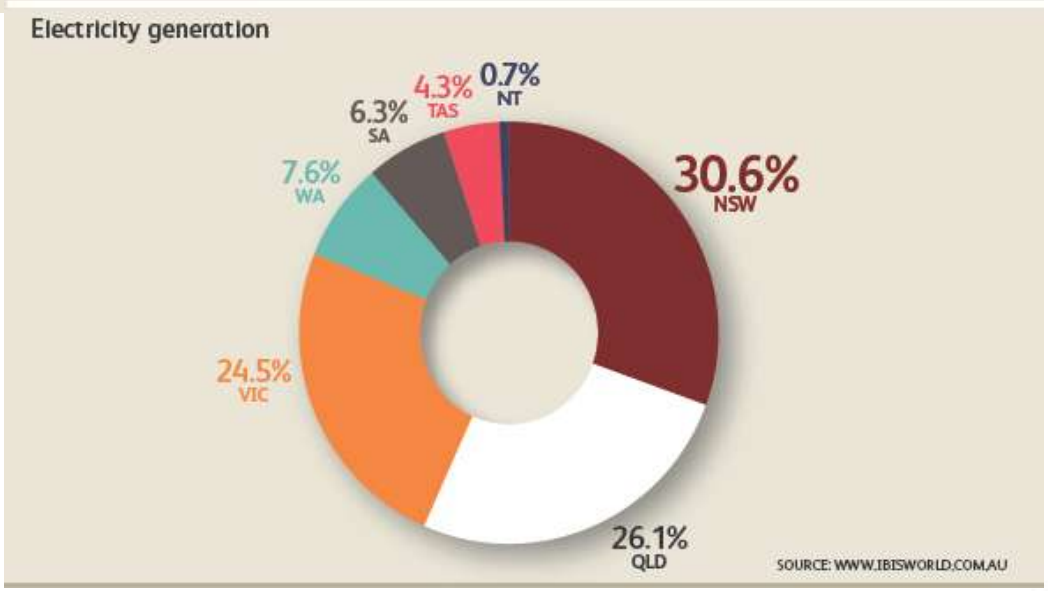




stanwell

Electricity sector in Australia



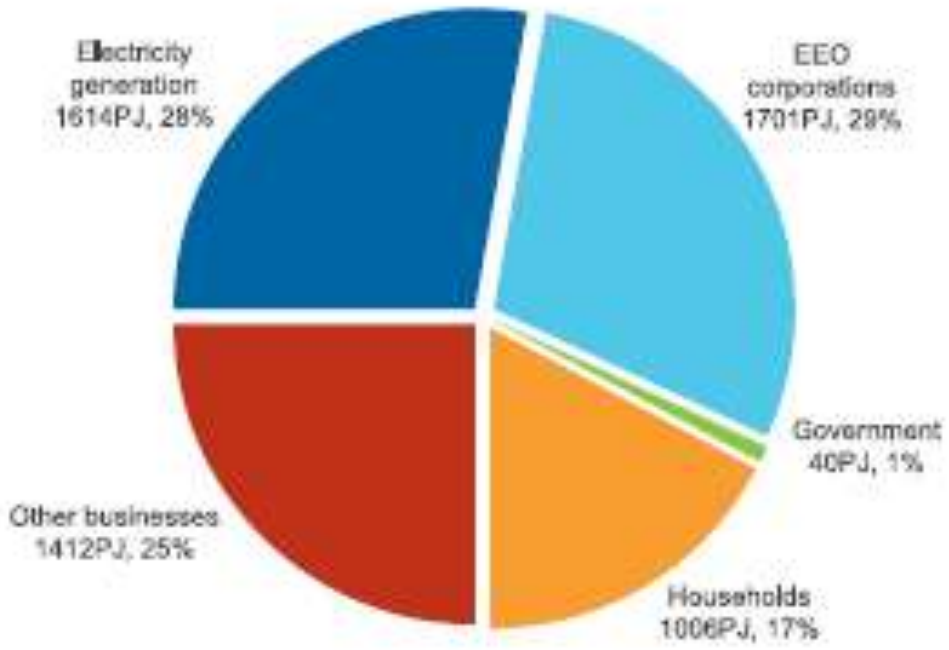


Businesses: 57
Revenue: $20.9bn
Profit: $3.8bn
Annual growth: 7.4%
Wages: $1.0bn

create. generate. innovate.

stanwell

The Energy Efficiency Opportunities Act covers electricity generation sector – 01 July 2011



stanwell

Overview of the EEO Act

- Targets industrial energy efficiency
- Coverage
- Assess, identify and report
- Program cycles
- Objectives

EEO Assessment Framework

- Leadership





- People



- Information, data and analysis



- Opportunity identification and evaluation



- Decision making



- Communicating outcomes

stanwell

How can EEO add value to companies?

- Challenges systems and assumptions
- Triple Bottom Line improvement
- Reduces energy use and greenhouse gas emissions
- Increases internal communication
- Empowers in-house personnel
- Board visibility
- DRET 2010 report - Identified opportunities save pa
  - 141.9PJ energy use (2.5% Australia's total)
  - 11.2million tonnes emissions (2% Australia's totals)
  - $1.2billion

EEO - alignment with industry needs

- Early consultation with industry
- Leverages off existing business activities
- Provides extensive support material, skills and guidance
- Information exchange
- Promotion – case studies
- Interaction – Listen, understand and act
- Ideas for improvement

thank you

Gabriele Sartori
+61 437 711 871
gabriele.sartori@stanwell.com

create. generate. innovate.