

# FINLAYSONS

## Enabling Renewable and Low Emission Technologies – The Changing Frameworks

*Presented by*  
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## **Overview**

- Enhanced Renewable Energy Target scheme
- Solar feed-in tariffs
- Smart Grids
- National greenhouse gas reporting obligations
- Geothermal energy
- Wind farms
- Alternative fuels for future vehicles

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## **The expanded Renewable Energy Target Scheme (eRET)**

- Target of 45,000 GWh by 2020
- Two separate schemes from 1 January 2011:
  - Large-Scale Renewable Energy Target (LRET)
  - Small-Scale Renewable Energy Scheme (SRES)
- New pathways for the eRET:
  - Ministerial power to declare emerging renewable technologies eligible
  - Biannual review from 2012

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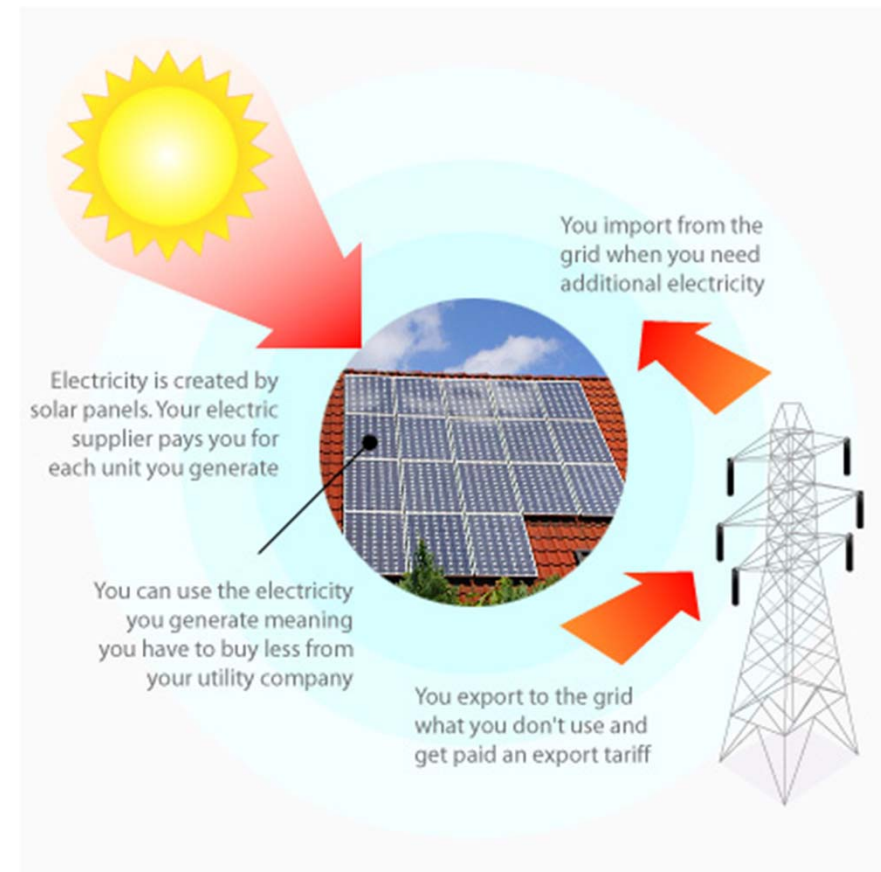
## Solar Feed-In Tariffs

### Current state of play

- State/territory based schemes
- Net v gross tariffs

### In the future

- National gross feed-in tariff scheme?



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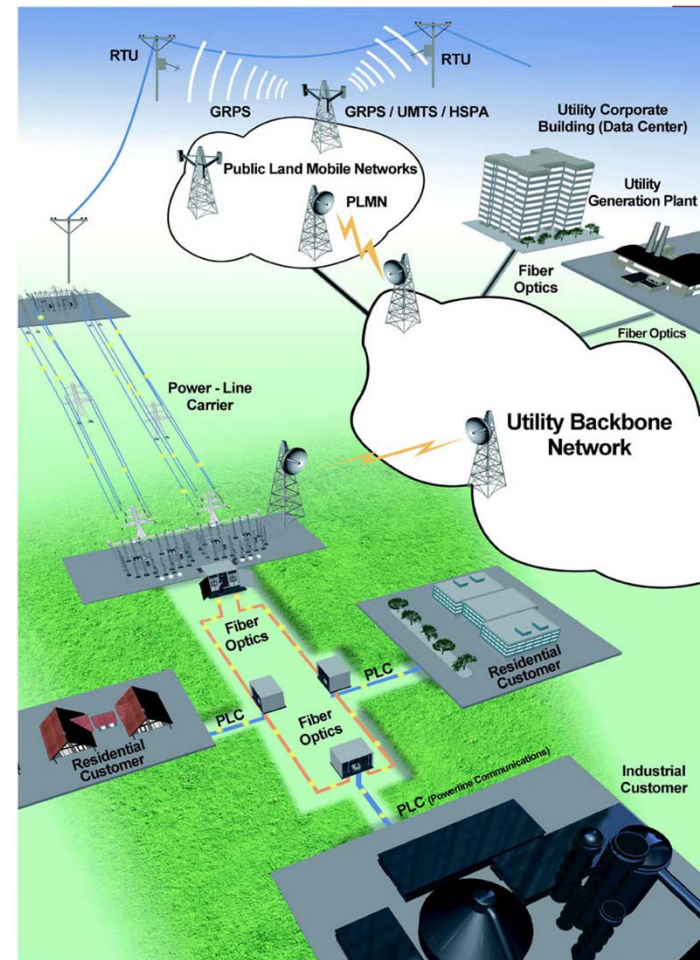
## Smart Grids

### Current state of play

- Newcastle “Smart Grid, Smart City” project
- Grid-side and customer applications

### In the future

- Integration of Smart Grids into the NEM



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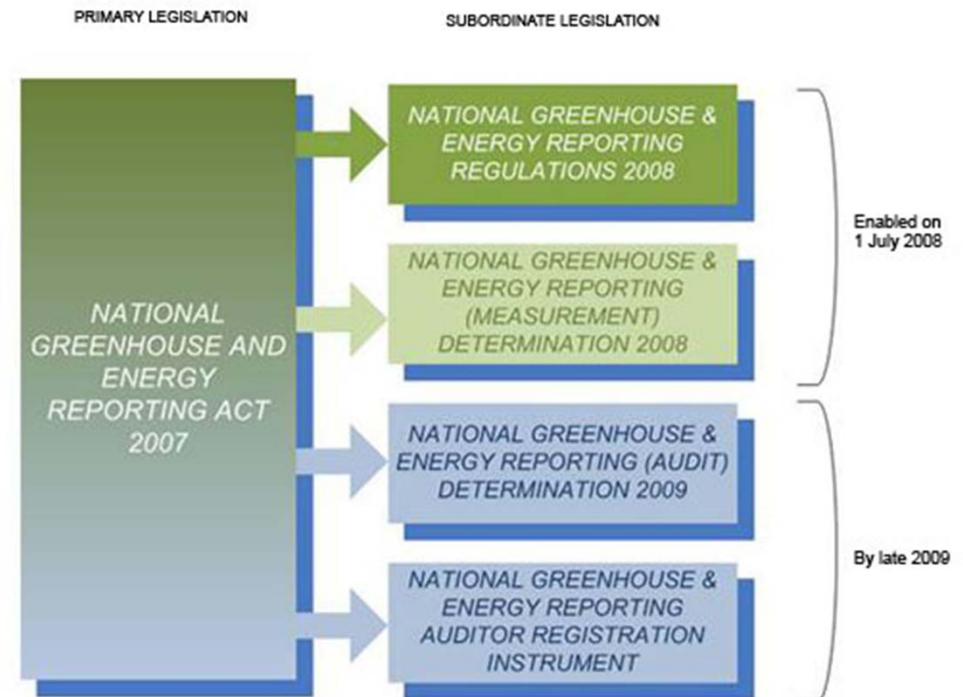
## Greenhouse and Energy Reporting Act (NGER)

### Current state of play

- Reports due annually on 31 October
- \$220,000 fine + \$11,000 per day

### In the future

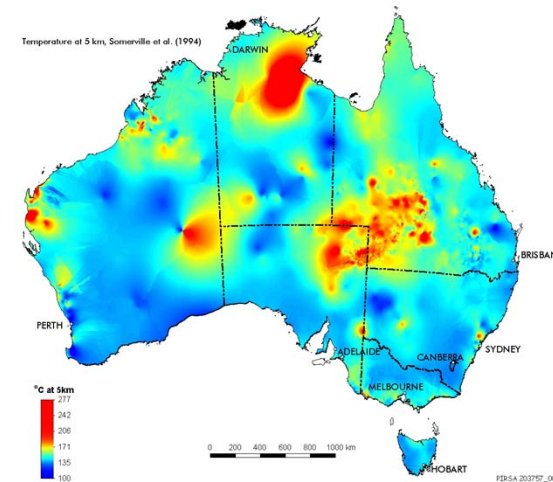
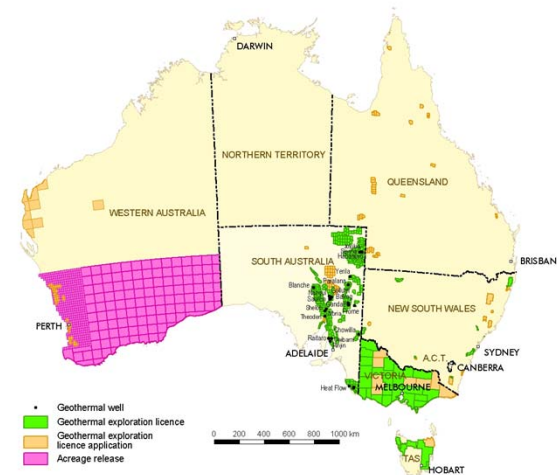
- Decreasing threshold limits = more corporations subject to reporting obligations



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## Geothermal Energy

- State-based geothermal energy regulation
  - South Australian framework leading the way
  - New legislation in Queensland



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## Wind Farms

- South Australia has 50% of the current installed capacity of wind farms in Australia.
- Why?
  - Simplified development approval process
  - Payroll tax rebate



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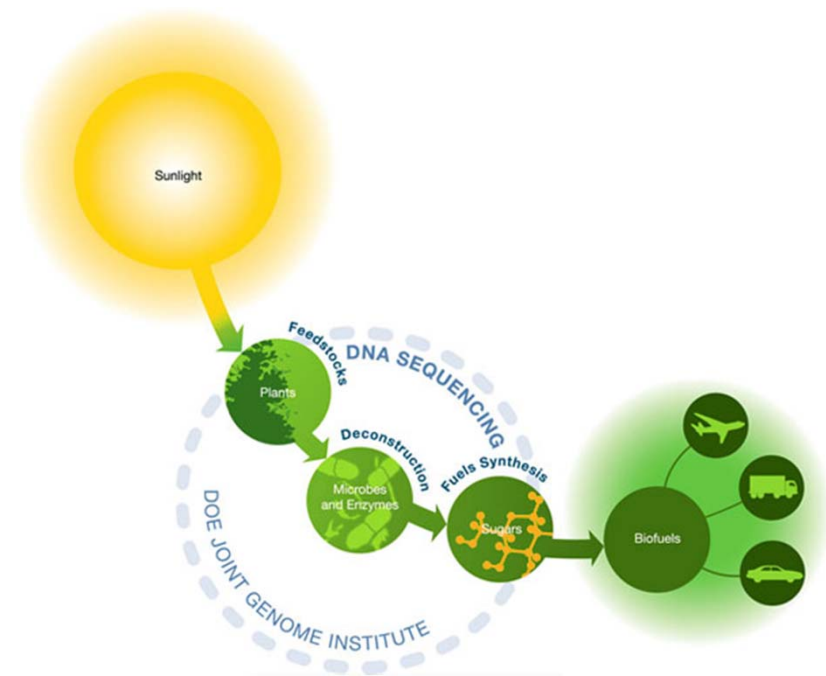
## Future Fuels

### Current state of play

- Offsetting grant progressively reduced from 1 July 2011

### In the future

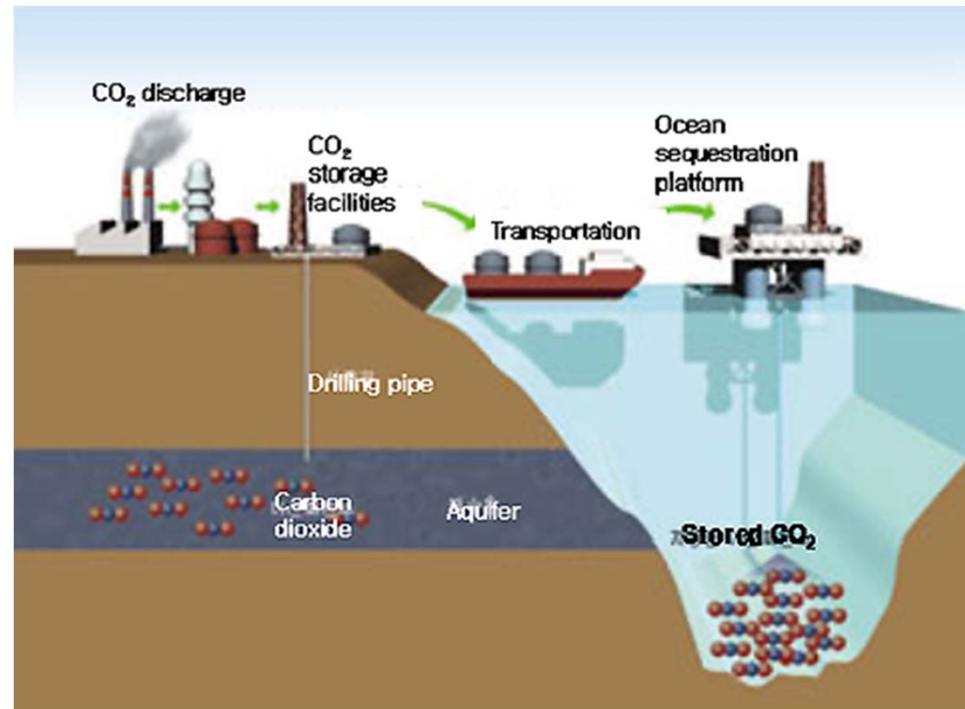
- 3 different fuel taxation rates
- Biofuels to receive 50% discount on full energy content rate



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## Looking ahead...

- Carbon Capture and Storage (CCS)
- Nuclear power
- A return to debate on the CPRS and setting a carbon price?



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