



Australian Government

**Department of the Environment,
Water, Heritage and the Arts**

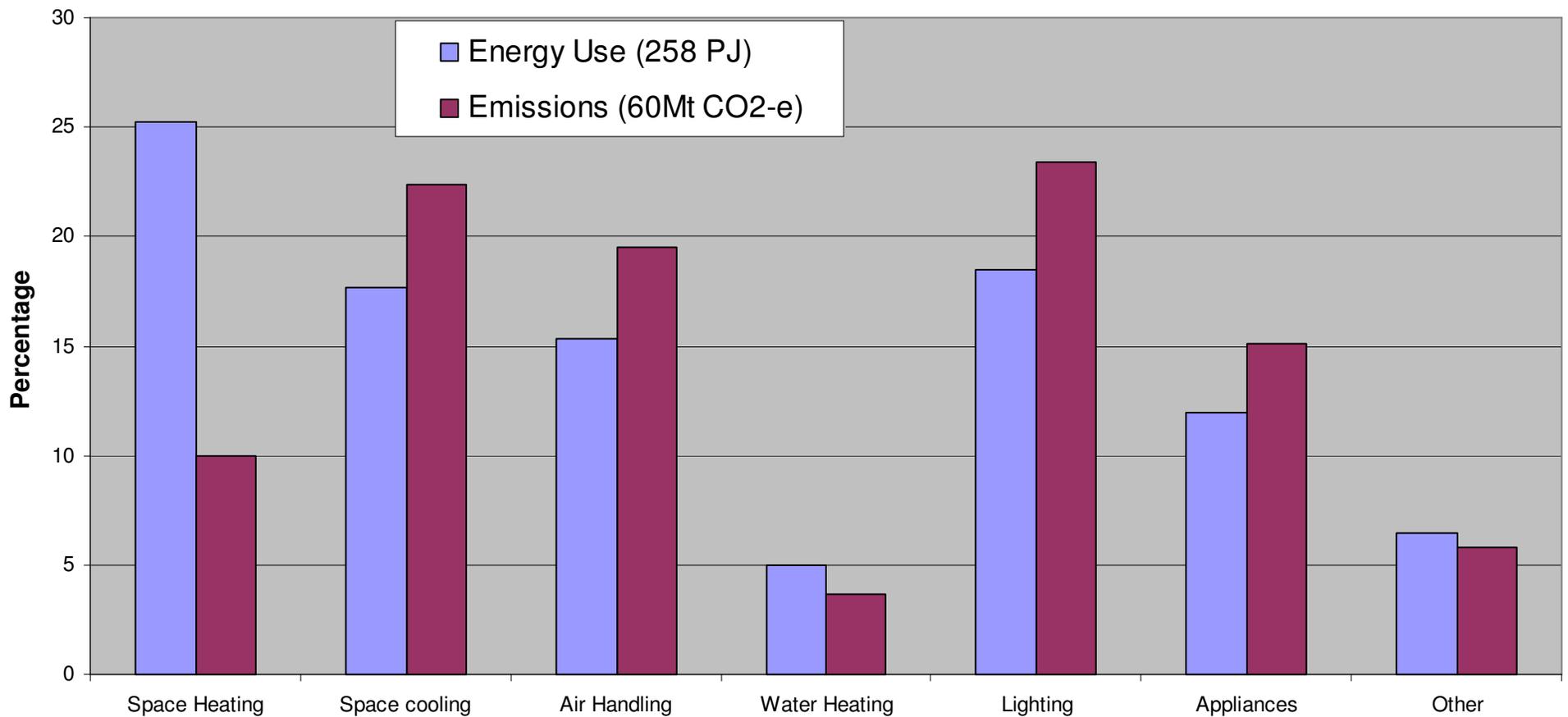


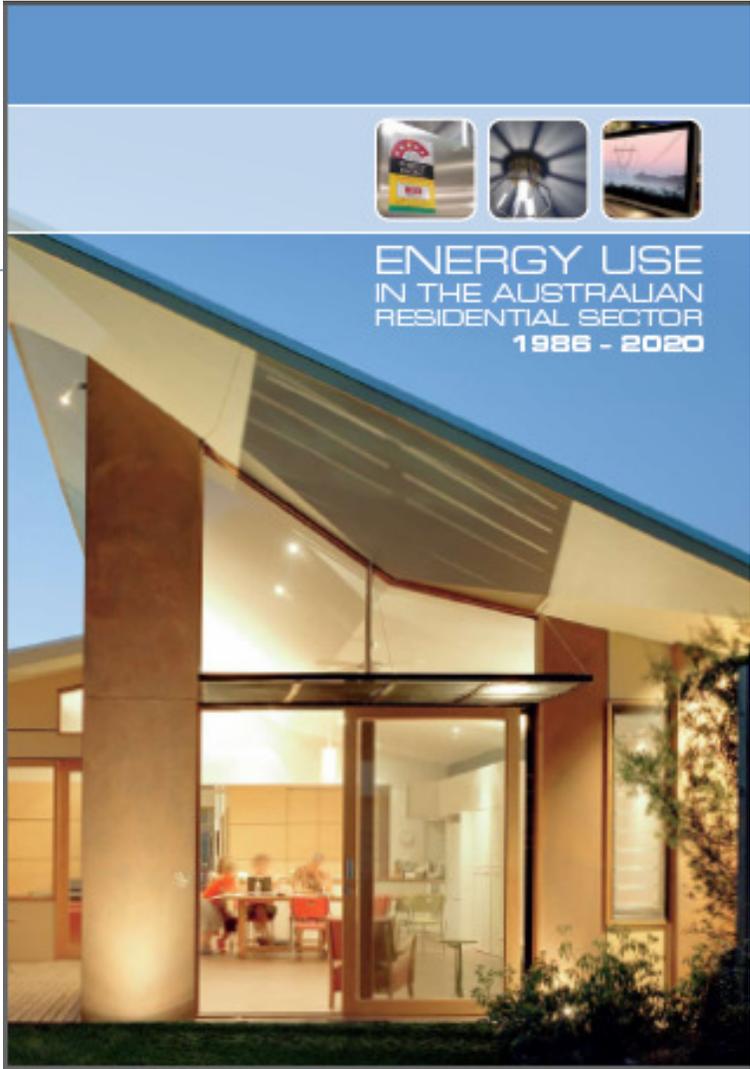
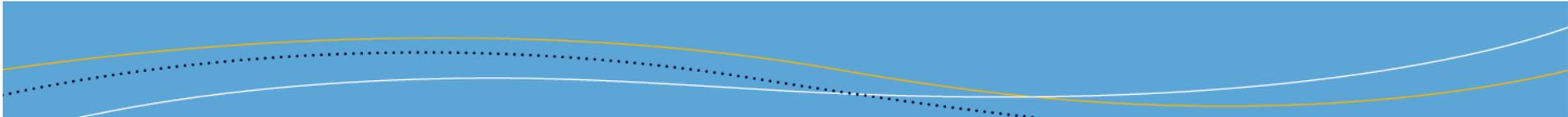
Economy Update: Australia

Tim Farrell, Renewables and Energy Efficiency Division

APEC Expert Group on Energy Efficiency and Conservation, Taipei, 7 October 2009

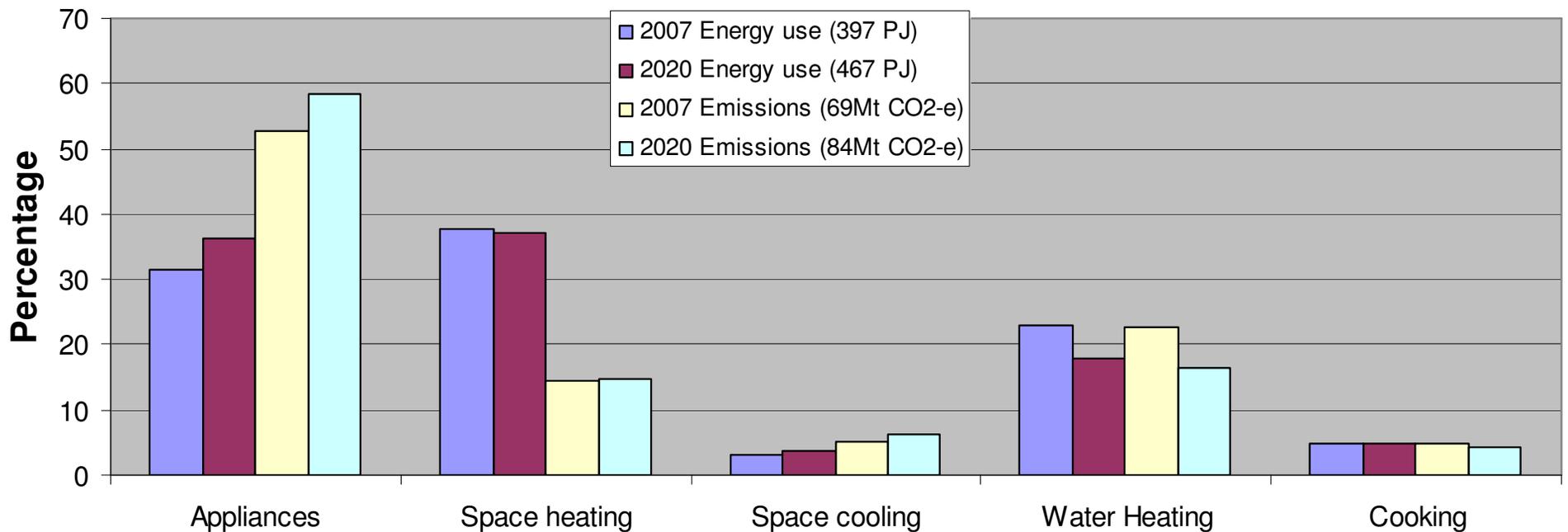
Energy Consumption and Emissions in Australia's Commercial Sector



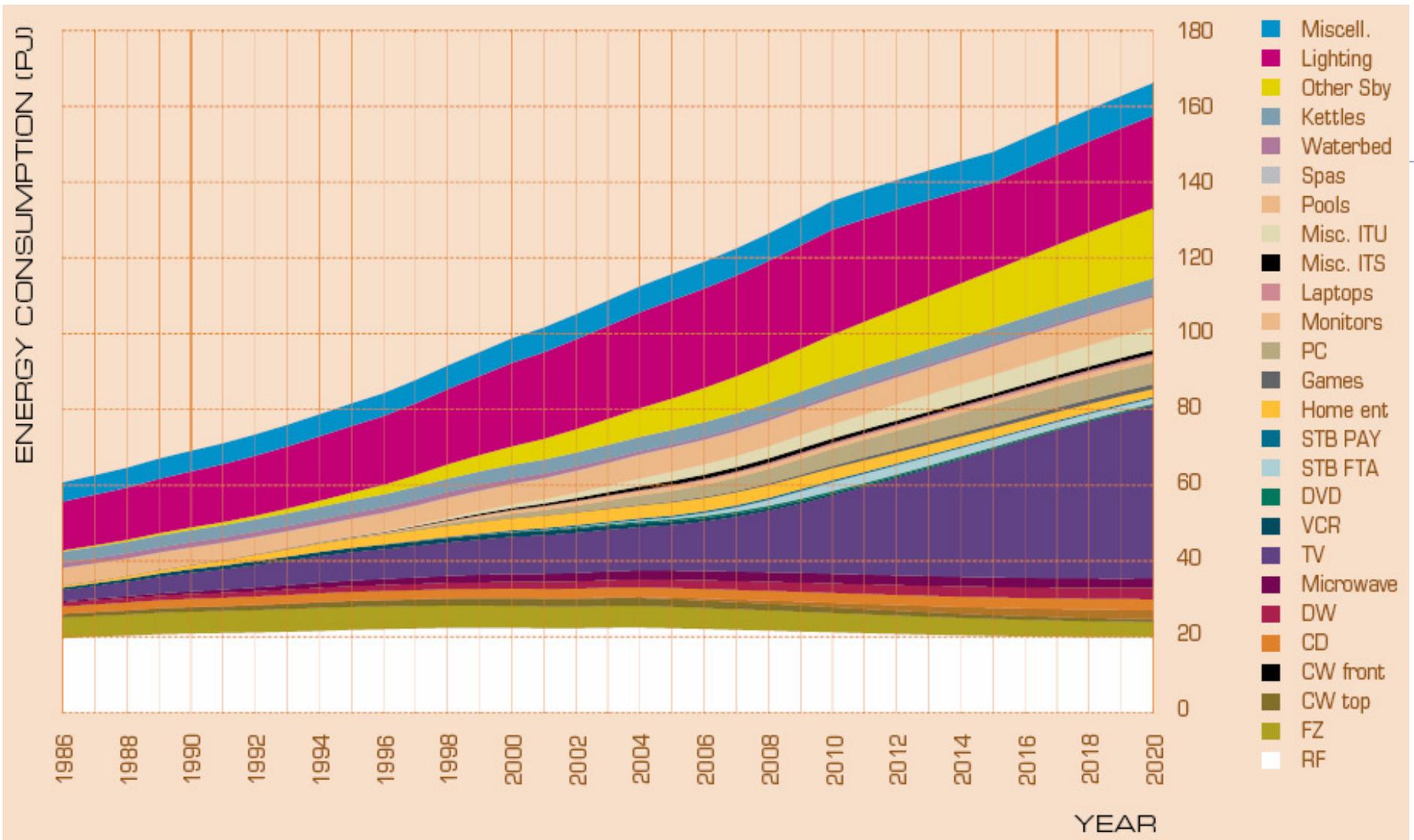


www.environment.gov.au/energyuse

Energy Consumption and Emissions in Australia's Residential Sector



Electrical Appliance Energy Use (1986-2020)

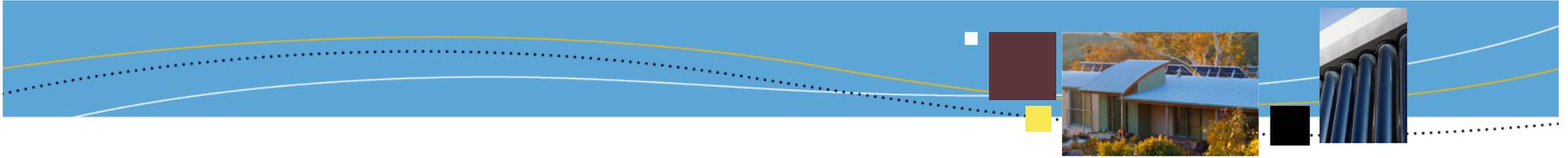




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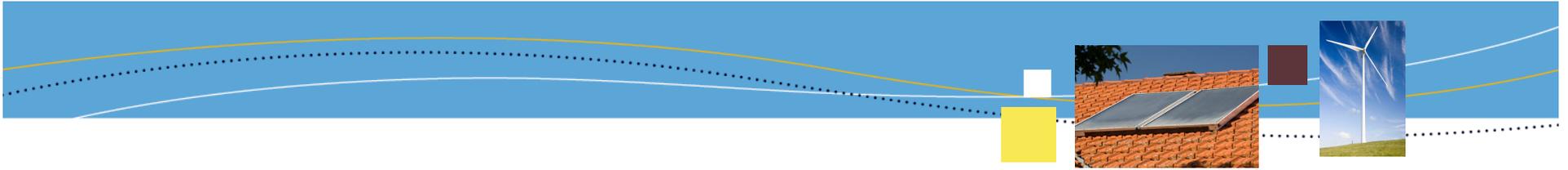


COAG's National Strategy on Energy Efficiency



NSEE – 4 Key Themes

1. Assisting households and businesses to transition to a low-carbon future
2. Reducing impediments to the uptake of energy efficiency
3. Making buildings more energy efficient
4. Government working in partnership and leading the way



1. Assisting households and businesses to transition to a low-carbon future

Industry and Business

- assist industry and business to address market impediments to energy efficiency uptake.

Skills and Training

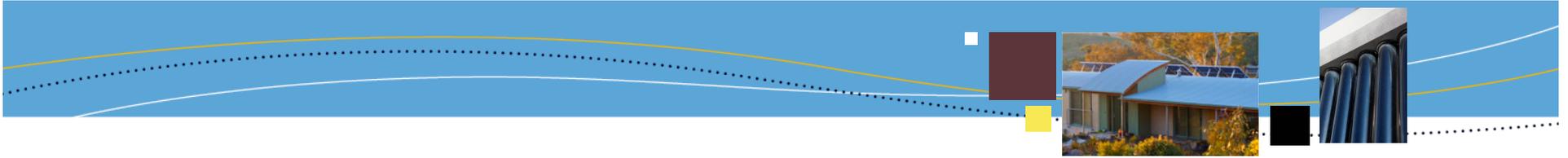
- development and application of knowledge and skills that may not be sufficiently available in Australia at present.

Advice and Education

- ensure Australians have access to clear, consistent and credible information on energy efficient products and services.

Data

- improve data upon which national and jurisdictional energy efficiency policy development and evaluation, reporting, and benchmarking are based.



2. Reducing impediments to the uptake of energy efficiency

Electricity Markets

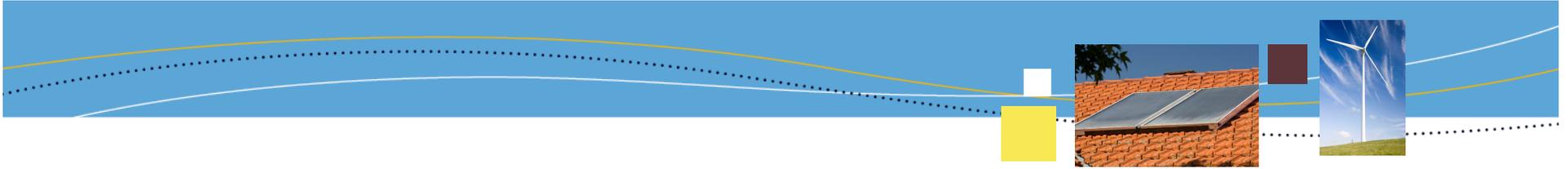
- will examine how electricity markets can support the uptake of distributed generation and demand side initiatives

Appliances and Equipment

- national legislation for Minimum Energy Performance Standards and energy rating labelling
- broadening the range of products covered in the residential, commercial and industrial sectors
- increasing the stringency of MEPS for existing products

Transport Sector

- measures to reduce emissions from the transport sector



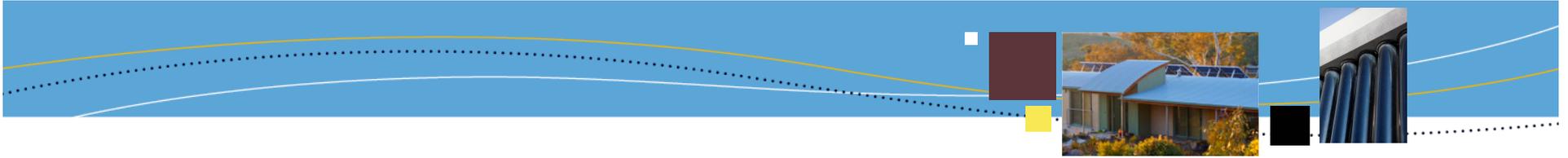
3. Making buildings more energy efficient

Commercial buildings

- increase the stringency of energy efficiency provisions for all commercial buildings
- mandatory disclosure of office building energy efficiency
- Implement HVAC strategy

Residential buildings

- mandatory disclosure of energy efficiency
- minimum 6 star standard for new buildings
- Incentives for energy efficiency improvements
- Focus on building lot/precinct level layout
- Provide information on energy efficient housing options



4. Government working in partnership and leading the way

- Governments to significantly improve the performance of the buildings they own or occupy
- Reduce travel relating to government business and its related greenhouse gas emissions
- Place greater emphasis on energy efficiency as part of broader improvements to the sustainable procurement practices of governments

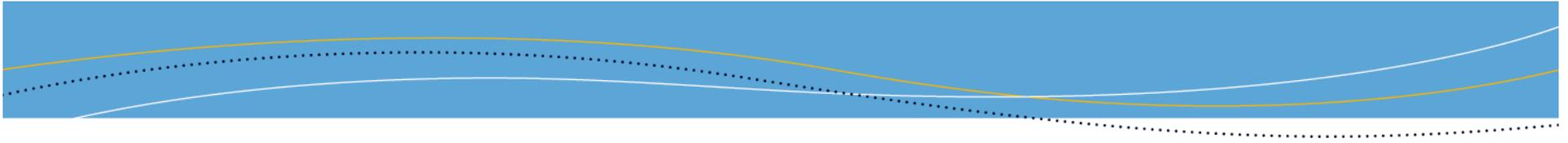
NSEE Funding

- \$100 million to develop an innovative smart-grid energy network.



- \$4.0 billion for energy efficient homes.





Strategic Opportunities

- NSEE is a ten year plan - the framework has now been put into place (www.coag.gov.au).
- Major review point in 2015.
- Where do further opportunities for development and expansion exist?

