

Climate Change Action in South Australia

Starting the transition to zero emission societies

UNFCCC COP22 Mini-side Event UN Climate Change Studio
15/11/2016

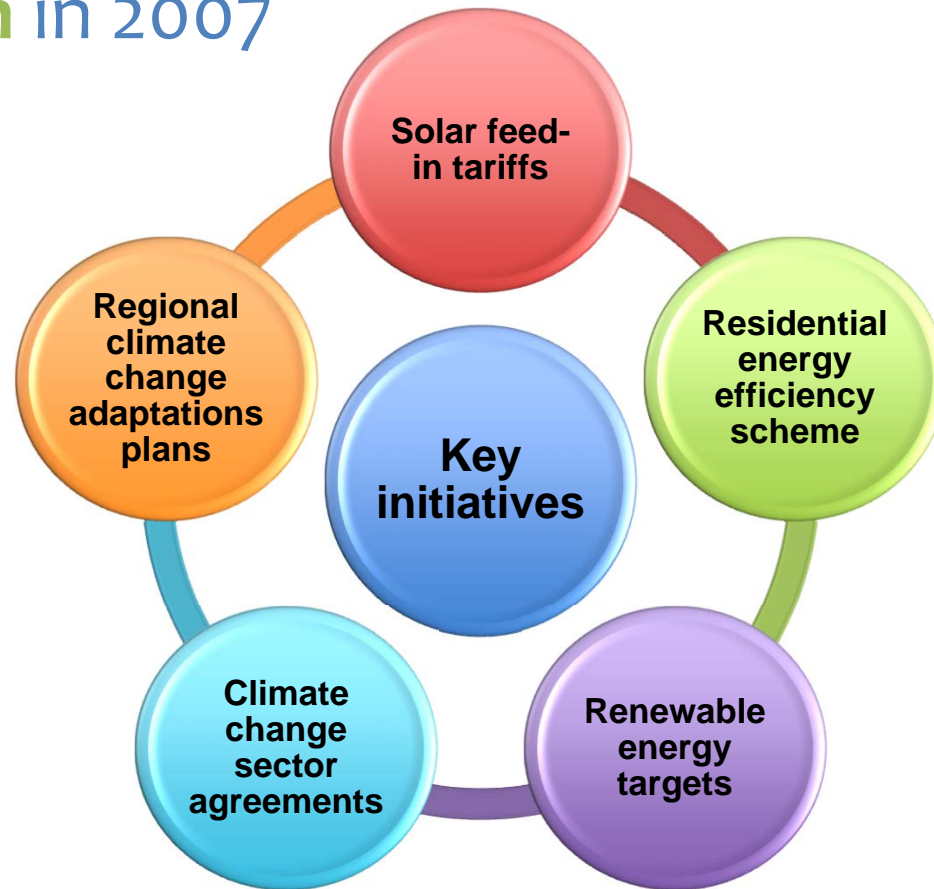
Stuart Hocking, Deputy Chief Executive
Department of Treasury & Finance, Government of South Australia



Full proceedings:
http://inforse.org/europe/conf16_COP22.htm

Our journey...

First Australian state to introduce climate change legislation in 2007



Our progress so far

Since 1990, **8%** reduction in carbon emissions
while the state economy has grown by **60%**

\$6.6b investment in low carbon
power generation since 2003

43% energy production from
renewables in 2015-16



2015 – strengthening our commitment

- In 2015 released *South Australia's Climate Change Strategy 2015-2050: Towards a low carbon economy*
- **Net zero emissions by 2050**
- **First Australian state to be a signatory to the *Under2MOU***



Subnational Global Climate
Leadership Memorandum of
Understanding



What we aim to achieve

- Net zero emissions by 2050
- Establishing Adelaide as the world's first carbon neutral city
- \$10 billion in low carbon investment
- 50% renewable energy production by 2025
- 30% energy efficiency improvement in government buildings by 2020



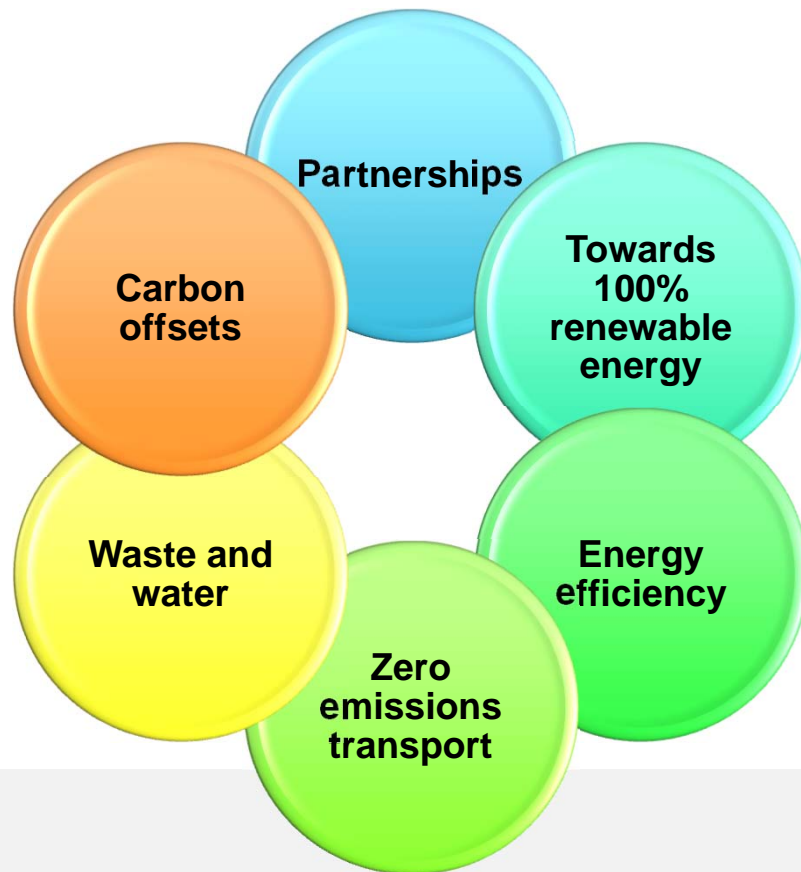
How we will achieve this

- Low carbon investment plan
- Support for new renewable technologies
- Decarbonise our transport network
- Leverage government buying power to drive change – energy, vehicles etc.
- Build community capability to take action



Carbon Neutral Adelaide

- **Unique partnership between State Government and Adelaide City Council**
- **5 year plan (2016-2021) for rapid emissions reduction**



Renewable energy in SA

Combination of **wind** and rooftop **solar** PV systems

Solar

- 7.5% of electricity generated in 2015-16
- >187,000 households (1 in 4) use solar energy



Wind

- 35% of electricity generated in 2015-16
- 559 wind turbines across 16 wind farms
- 35% of Australia's wind farm capacity



Integrating renewables



Pursuing national reform

- Independent review to develop national electricity market blueprint
- Transmission and interconnection infrastructure – NSW/SA interconnector
- Integrating energy and climate change policy at national level (including renewable energy into the NEM)



Government of
South Australia