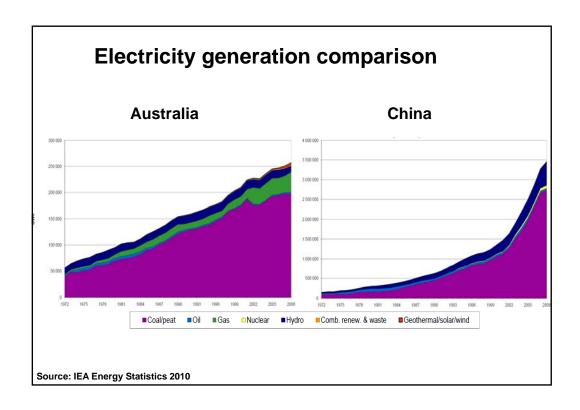
China-Australia Cleantech Cooperation The Clean Technology Revolution: China and Australia Drew Clarke

Secretary, Department of Resources, Energy and Tourism



Australia - existing and committed generation Liquid Fuel 367 MW 0.8% 1.779 MW 1.6.8% Natural Gas 603 MW 42.2% 81.722 MW 18.0% Provided (1,330 MW) Installed (48,483 MW) Source: Australian Energy Market Operator 2011



Australia's clean energy policies

Emissions reduction targets

- By 2020: 5% below 2000 levels
- By 2050: 80% below 2000 levels

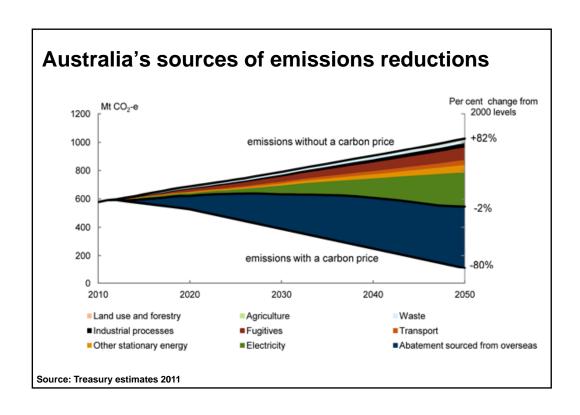
Renewable Energy Target - legislated

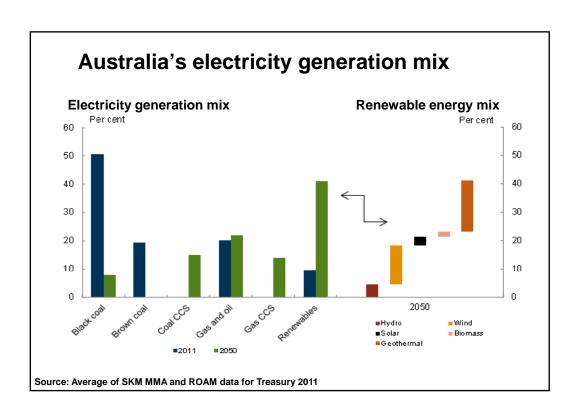
• 20% by 2020

Key policies

- Carbon pricing
- Clean Energy Finance Corporation
- Australian Renewable Energy Agency
- · Low emissions fossil fuel

Further information: www.cleanenergyfuture.gov.au





China's clean energy targets

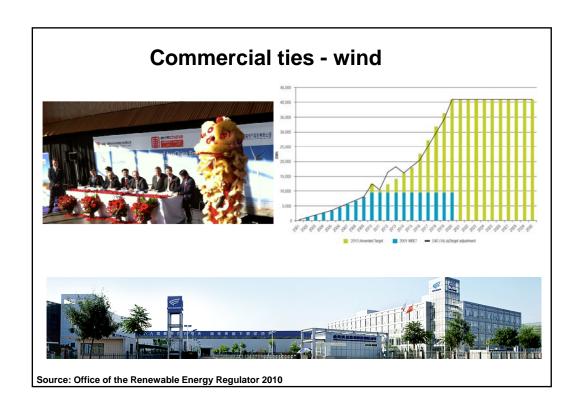
12th Five Year Plan (2011-15)

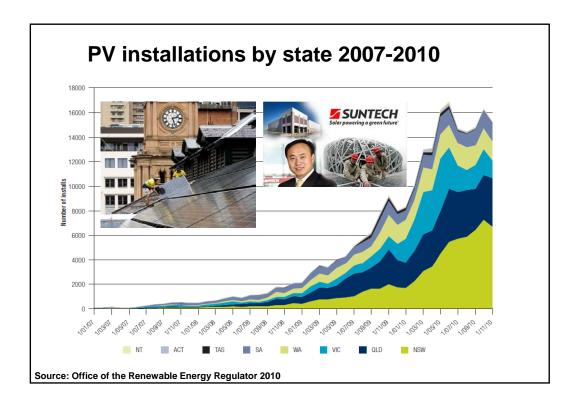
- Energy intensity: 16% reduction
- Non-fossil fuel: reach 11.4% of primary energy consumption

Renewable energy targets

- Aspirational 15% by 2020
- Sub-targets for different technologies

Source: China's 12th Five Year Plan, Productivity Commission 2011





RD&D collaboration - solar

Australian Solar Institute project funding:

- Suntech & UNSW \$4.4m commercial solar cells
- Guodian Jintech, CSG & UNSW \$1.1m low cost solar silicon
- Trina Solar & ANU \$3.3m industry ready silicon solar cells

RD&D collaboration - low emissions coal

- Australia-China Joint Coordination Group on Clean Coal Technologies (JCG) - \$20m funding with China's NEA
- Global Carbon Capture and Storage Institute (GCCSI) - membership includes Government of the PRC (NDRC), China Huaneng Group, China Steel Corp
- Australia-China PCC Project feasibility study for an industrial-scale 600 MW post-combustion capture project

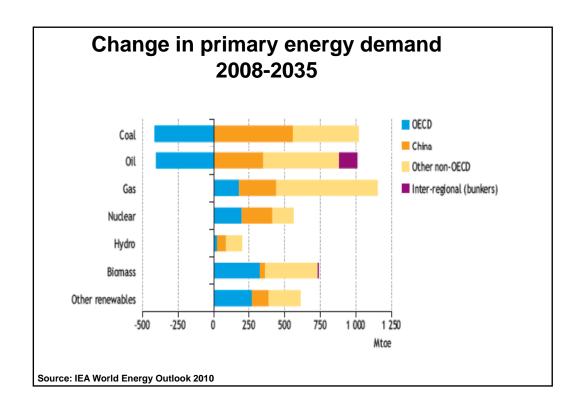
Other collaboration

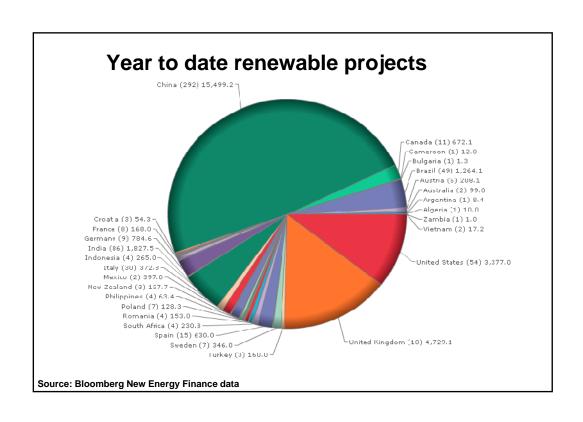
Bilateral Dialogue (DRET – NEA MoU on Energy)

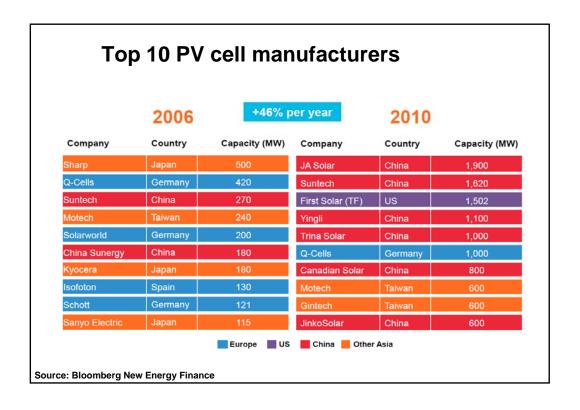
 Covers oil, conventional and unconventional gas, coal, coal bed methane, renewable energy and uranium

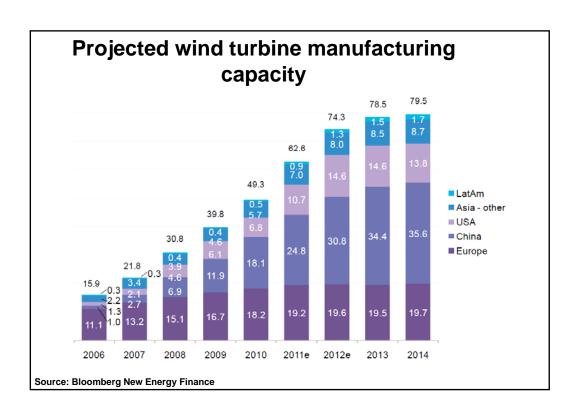
APP Medium scale projects

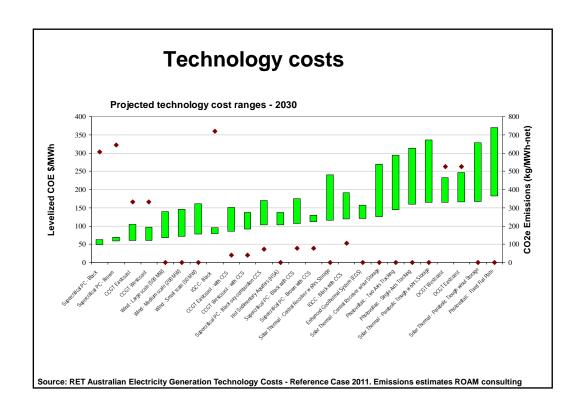
- Gaobeidian PCC pilot project
- CAGS project
- Enhanced Coal Bed Methane project











THANK YOU

Drew Clarke

Secretary

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ENHANCING AUSTRALIA'S ECONOMIC PROSPERITY