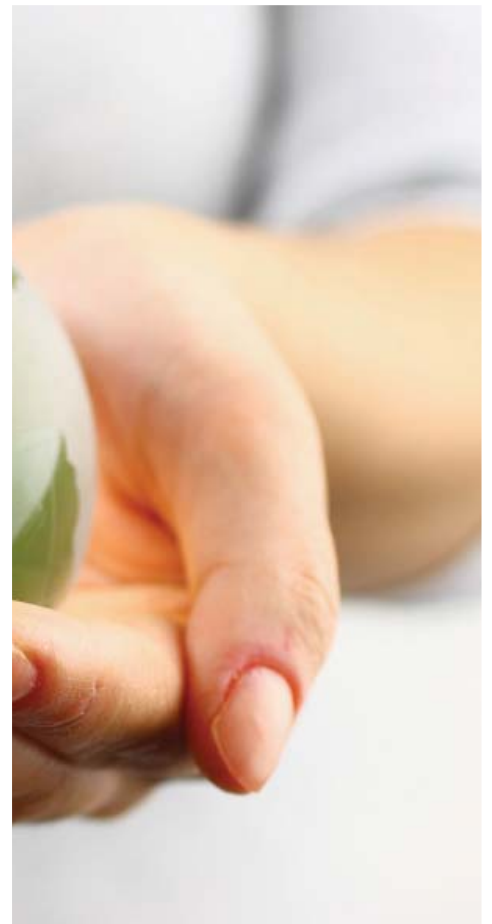


# Responding to climate change





Climate change is complex and consists of many considerations beyond greenhouse gases including the integration between environmental, economic and social impacts.

Parsons Brinckerhoff (PB) works closely with our clients across a range of market sectors and infrastructure businesses to prepare their business for the risks climate change presents. We assist them in understanding the issues, evolving regulations and identifying strategic opportunities to stay ahead of the game.

Our leading team of experts includes a member of the United Nations Framework Convention on Climate Change (UNFCCC) Joint Implementation Accreditation Panel.

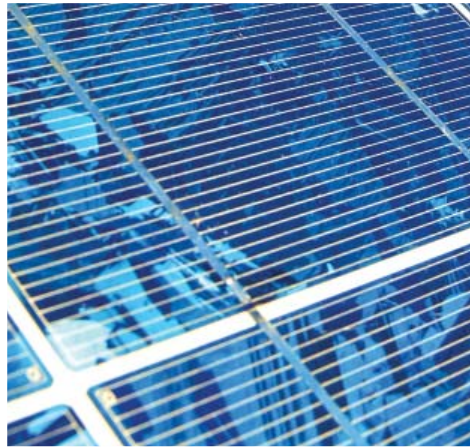
PB offers extensive experience in climate change assessments, audits and management/strategic advice specific to the following.

### **Understanding climate change and its impacts**

- Causes and impacts of climate change
- Carbon footprints and inventories
- Abatement and adaptation strategies
- Education and training
- Government and industry policies

### **Regulatory requirements and other drivers**

- CPRS, NGER Act and EEO Act requirements
- Strategic advice on compliance
- Climate change impact assessments
- Data collection, analysis and reporting of greenhouse gas emissions
- Data collection, analysis and reporting of energy production and use
- Verification of inventories and reporting



### **Reducing your carbon footprint**

- Abatement and mitigation strategies
- Greenhouse gas emission reduction opportunities
- Energy efficiency technologies
- Cleaner production and resource efficiency assessments and advice
- Clean development mechanism (CDM) and joint implementation
- Life cycle and supply chain assessments
- Sustainability advice
- Renewable and low carbon energy opportunities
- Waste to energy

### **Adapting to climate change**

- Impact, vulnerability and risk assessments
- Adaptation strategies
- Corporate and asset strategies
- Business process reviews
- Technical process reviews
- People, business performance and organisational change

### **The risks and opportunities of a carbon economy**

- Forecasting of energy and water prices
- Carbon market financial analysis and accounting
- Carbon reduction and offsetting strategies
- Development of marginal cost abatement curves
- Monetisation of carbon offsets
- Transaction of carbon based credits and permits
- Domestic and international carbon offset and credit opportunities

### **Our expertise has allowed us to be involved in:**

- Landmark national infrastructure assessment study for adaptation measures, investment and economic analysis
- Australia's first whole-of-government greenhouse gas inventory assessment
- A pilot plant at the world's largest geothermal reserve
- Australia's first national energy network businesses infrastructure and commercial assessment
- Greenhouse gas abatement and climate change adaptation guide for the Australian tourism industry
- Carbon capture and sequestration (CCS) projects advising Australian Governments locally and internationally

# About PB

PB is one of the world's leading planning, environment and infrastructure firms.

In Australia and New Zealand our work spans nation-building projects in transport, power, renewable energy, urban development, water, and resources and industry.

PB's comprehensive services include strategic consulting, environmental studies, design, construction management, and project and program management.

We apply expertise, creativity and the principles of sustainability to every project – and we are proud to report our clients consistently rate PB as 'great to work with'.

PB Australia–Pacific is an integral part of PB's 13,000-strong global team working in 150 offices across six continents.

PB acknowledges the very real risks of climate change and the potential impacts on us, our clients and the way we do business. Our response has been marked in three ways; through introducing a climate change policy, becoming carbon neutral and establishing a dedicated Climate Change business group of experts.



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