

## Climate change, clean energy and carbon pricing consultants

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Our climate change and carbon pricing consultants understand the economic effects of carbon pricing policies such as carbon taxes and emissions trading.

With a long history in analysing the effect of carbon pricing and climate change policy and expertise in climate change economics, ACIL Tasman provides strategic advice to major companies, industry associations, and state and Federal governments. Introduction of the carbon tax legislation places ACIL Tasman carbon pricing consultants in the forefront of understanding and assessing the carbon tax as a carbon price mechanism and the implications for companies and industry.

Our carbon pricing consultants use our economic and market models Tasman Global, PowerMark, GasMark Global and RECMARK to undertake climate change modelling that examines the economic effects of climate change policy. In particular, ACIL Tasman specialises in carbon price modelling that examines the effects of a carbon tax or emissions trading scheme.

Recently ACIL Tasman has assisted clients with:

- projecting greenhouse gas emissions from stationary energy sources for Australia
- assessing the impact of a carbon price on wholesale and retail electricity prices, including analyses of the Australian Government's Clean Energy Future policy
- modelling the impact of carbon pricing on the profitability of fossil fuel generators
- modelling the effect of national and state policies to support the uptake of small-scale solar photovoltaic systems
- electricity and gas market forecasts that include detailed analysis of climate change and renewable energy policies.

### Carbon pricing

For more than 15 years, ACIL Tasman has been at the leading edge of debate at the international, national and state level around economically efficient greenhouse gas mitigation policies, particularly carbon pricing policies such as a carbon tax or emissions trading scheme.

Our team has carried out a wide range of projects including:

- analyses of the commercial implications of a carbon price for a range of companies and sectors
- strategic analyses and advice, principally on emissions trading, for major companies, industry associations and governments
- representation at the Framework Convention on Climate Change
- analysis of alternative greenhouse response strategies as recommended by the Council of Australian Governments (COAG) Energy Market Review Panel study on emission permit allocation options
- modelling the impact of carbon pricing on the profitability of fossil fuel generators estimation of the impact on the competitiveness from imposts on greenhouse gas emissions.

### Complementary greenhouse gas mitigation policies and emissions projections

Our team also has extensive experience in assessing greenhouse gas mitigation policies to complement carbon pricing policies, and in analysing greenhouse gas emissions trends.

Projects have included:

- analysis of the economic impacts of policies that support uptake of renewable electricity generation sources, such as the Large-scale Renewable Energy Target, Small-scale Renewable Energy Scheme and various feed-in tariffs
- assessments of non-price market and regulatory failures reducing cost effective investment in energy efficiency, and policies to overcome these
- analysis and advice on approaches to encouraging R&D, innovation and uptake of technology as a means of driving greenhouse mitigationreal options analysis of approaches to enhance the flexibility of the economy in the face of future uncertainty about the extent of climate change response
- real options analysis of approaches to enhance the flexibility of the economy in the face of future uncertainty about the extent of climate change responseprojecting greenhouse gas emissions from stationary energy sources (electricity generation and direct combustion for residential, commercial and industrial purposes) in Australia at both the national and regional level
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See our climate change case studies.

Contact ACIL Tasman to obtain a Capability Statement or find out more about ACIL Tasman's expertise and experience in climate change projects.