

Climate change and greenhouse gas/carbon emissions trading schemes

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As climate change consultants, we understand climate change policies, especially carbon emissions trading, and can undertake climate change modelling.

We combine the knowledge and expertise of our climate change consultants with our economic and market models Tasman Global, PowerMark, GasMark and GasMark Global to undertake climate change modelling and provide analytical and strategic advice.

We have assisted clients in:

- assessing the economic efficiency, environmental effectiveness and equity of various greenhouse gas emission abatement policy approaches
- understanding the elements of design of existing and proposed emissions trading schemes
- assessments of the implications for the economy, industry sectors and companies of a price on greenhouse gas emissions
- strategic planning for investments in energy and emission intensive industry
- projections of greenhouse gas emissions, particularly in the stationary energy sector
- access to federal and state government programs that promote emission abatement.

Emissions Trading

For more than 15 years, ACIL Tasman has been at the leading edge of the climate change policy and the greenhouse gas emissions trading debate at the international, national and state level.

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

- representation at the Framework Convention on Climate Change
- strategic analyses and advice, principally on emissions trading, for major companies, industry associations and governments
- analysis of alternative greenhouse response strategies as recommended by the Council of Australian Governments (COAG) Energy Market Review Panel
- analysis of the commercial implications of emissions trading for a range of companies and sectors
- a study on emission permit allocation options
- greenhouse gas emission projections for the Australian economy
- assistance to various companies to access government Greenhouse gas emission related programs
- estimation of the impact on the competitiveness from imposts on greenhouse gas emissions
- analysis of the economic impacts of the Mandatory Renewable Energy Target for governments and industry.

Complementary Climate Change and Greenhouse Gas Emissions Policies

Our team also has extensive experience in assessing policies to complement market based mechanisms.

Projects have included:

- 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 mitigation
- real options analysis of approaches to enhance the flexibility of the economy in the face of future uncertainty about the extent of climate change response

Modelling

Complementing our policy expertise and experience are analytical skills enhanced by access to a suit of economic models.

ACIL Tasman's suite of models includes:

- a fully integrated general equilibrium model of the world, Australian and State/Territory economies -Tasman Global
- electricity market models of the NEM and SWIS - PowerMark
- gas market models of Eastern and Western Australia - GasMark
- international gas and LNG market model - Gasmark Global.

ACIL Tasman has used these models to assist clients to understand the implications of pricing greenhouse gas emissions.

See our climate change or greenhouse gas emission 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.