

Renewable Energy Expert Panel

Biographies

Alan Langworthy (Chair)

Mr Langworthy established and managed 'Powercorp', a power system engineering company whose technology was used to enable remote communities to have power almost entirely from renewable sources. His expertise is in development of renewable technologies, particularly wind power, and in developing technologies that stabilise renewable generated power entering the electricity grid.

Mr Langworthy is currently the Managing Director of Langworthy NT Pty Ltd, focused on remote area power systems, microgrids, renewable energy systems and integration.

In 2010, Mr Langworthy won the Clunies Ross Award, which recognises Australia's pre-eminent scientists and technologists who have bridged the gap between research and the marketplace. In addition, Mr Langworthy was a National Senior Finalist of the Year in 2010.

Mr Langworthy was the Executive Manager, Renewable Energy Division with the National Energy Office of the Commonwealth Government from January 1981 until December 1988.

Mr Lyndon Frearson, Bachelor of Engineering (Electrical)

Managing Director and Principal Consultant, CAT Projects

Lyndon Frearson is the Managing Director and Principal Consultant of CAT Projects and since 2007 he has overseen its development as a leading engineering consultancy providing technical services and advice in power systems engineering and remote area project management to clients throughout Australia and the Asia Pacific.

During his time at CAT Projects, Lyndon has led the design and development of some of the largest renewable energy projects in remote Australia, including 'Uterne' (Australia's first utility scale – 1 MW - solar generator); the Ti Tree, Kalkarindji and Lake Nash high penetration grid connect solar power stations; various roof-mounted solar power systems on commercial premises including hotels, airports and community centres; and the Desert Knowledge Australia Solar Centre, a whole-of-system demonstration facility in Alice Springs that has become a resource for the international PV industry.

From 2007, Lyndon also led the development of the \$42 million Alice Solar City Program. This involved the establishment of technical, governance and funding frameworks for a multi-year participatory community energy program, recruitment of all staff, launch of the public campaign and delivery of technical projects. He also acted as Director of the Bushlight India Project, an AUD \$2.6M

village electrification project in India which won Australia's most prestigious engineering award, the Sir William Hudson Award, in 2011.

Lyndon provides expert advice on renewable energy policy and development for a number of national and international panels and regularly presents at high-profile conferences and events including most recently, the G20 and APEC conferences. Lyndon is engaged to advise industry and government bodies in Australia and internationally on policy development, strategic planning and development for energy and electrification programs; and provides technical due-diligence services to a number of large private equity firms.

Ms Katherine Howard

Partner, Mergers and acquisitions advisory, Deloitte Touche Tohmatsu

Ms Howard possesses over 15 years' international corporate finance experience in Australia, United States and Canada. In recent years she has advised on various project financings, acquisitions, mergers and divestments involving over \$20 billion of debt financings and arranging over \$5 billion of equity financing predominantly in the energy and infrastructure sector.

Ms Howard's work has included developing renewable energy generation projects, particularly in project feasibility studies. She was recently a financial government advisor on Solar Flagships Program; ACT Government solar and wind auctions; Treasury Loans for Refinancing Program, Vintage Units Program and the establishment of Clean Energy Financing Corporation. Ms Howard possesses a broad knowledge of solar PV and wind energy.

Mr Greg Bourne

Mr Bourne has worked at the nexus of climate change, energy business and policy for over 30 years. With BP he lived and worked in the UK, Middle East, USA, Canada, Ireland, Brazil, China, Venezuela and Australia.

For two years he was Special Adviser on Energy and Transport to Prime Minister Margaret Thatcher. He returned to Australia in 1999 as Regional President, BP Australasia and worked with business and governments on the Climate Change agenda.

Greg was CEO WWF Australia for six years and later a non-executive director of Carnegie Wave Energy. He is the former Chair of the Australian Renewable Energy Agency.

A Fellow of the Australian Institute of Company Directors, he was awarded the Centenary Medal for services to the environment and an Honorary Doctorate from the University of Western Australia for services to international business.

Ms Amanda McKenzie

CEO Climate Council

Ms McKenzie is an environmental leader and CEO of the Climate Council, which was launched following Australia's largest ever crowd-funding campaign.

She is Chair of the Centre for Australian Progress and on the Board of Plan International Australia.

In 2014, Amanda was recognised as one of Westpac's 100 Women of Influence. Previously, Amanda founded the Australian Youth Climate Coalition.

Recently Amanda was an Expert Panel Member of the Queensland 50% Renewable Energy by 2030 task force.