



Federal, State and Territory Emerging Technology Initiatives

Government	Program/ Scheme Name	Type/ cost of policy	Purpose	Eligible Renewable Technologies	Participant Eligibility/ Requirements	Duration/ Introduction	Grant amount	Additional Information	Further information
Federal	Renewable Energy Target (RET)	Mandates Australia's use of electricity generated from renewable sources Investment estimated at \$5bn	To encourage additional generation of electricity from renewable energy sources.	Renewable energy generated or deemed to have been generated	Accredited power stations or small generation units that have generated renewable energy or deemed to have generated renewable energy	Expanded renewable energy target (RET) commenced 1 Jan 2010.	N/A Market price paid for Renewable Energy Certificates (RECs)	Target set at additional 45,000 GWh by 2020	Click here
	Australian Centre for Renewable Energy (ACRE) (Part of \$5.1b Clean Energy Initiative)	\$567m program. One stop shop for renewable energy businesses	To promote development, commercialisation & deployment of renewable energy technologies	Renewable technologies	Organisation's governance and guidelines - TBC	Being established 2009-10	N/A - Advisory body	Under Minister for Resources & Energy	Click here
	Renewable Energy Demonstration Program (Part of \$5.1b Clean Energy Initiative)	\$300m competitive grants program	Funding to assist in demonstration of renewable energy for power generation on a commercial scale in Australia	Solar, geothermal, wind, biomass, hydro, ocean energy, combination technologies	Applicant must be non-tax exempt incorporated Australian company	Launched 20 February 2009 Funding provided in rounds	Size of grants expected to be \$50-100m (up to one third of eligible expenditure on the project)	Administered through the Australian Centre for Renewable energy (ACRE)	Click here

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	Renewable Energy Future Fund (Part of \$5.1b Clean Energy Initiative)	\$652.5 million over 4 years Additional funding under the Clean Energy Initiative	For the development & deployment of large and small scale renewable energy projects	Renewable energy e.g. geothermal, solar, wave energy	Will leverage private venture capital by encouraging partnerships between the Government and the private sector to make critical early-stage investments in the commercialization of new renewable technologies	TBA	TBA \$42 m to be spent in 2010-11	Coordinated by DCCEE	Click here
	Geothermal Drilling Program (Part of \$5.1b Clean Energy Initiative)	\$50m competitive grants program	To support cost of drilling geothermal wells for proof of concept	Geothermal	Applicant must be non-tax exempt incorporated Australian company which holds Australian geothermal exploration licence	Launched 20 August 2008	Grants of up to \$7 million provided as dollar for dollar matched funding	Administered through ACRE	Click here
	Second Generation Biofuels Research & Development Program (Part of \$5.1b Clean Energy Initiative)	\$15m competitive grants program	To support research, development & demonstration of new biofuel technologies & feedstocks	2 nd generation biofuels	Applicant must be research institution, university or business with capability to undertake research, development or demonstration of 2nd generation biofuels	Delivered over 4 years from 2008-2009 to 2011-12	Matching grants of \$1- \$5m	Administered through ACRE	Click here
	Solar Flagships Program (Part of \$5.1b Clean Energy Initiative)	\$1.5bn over 6 yrs. Competitive funding for solar energy plants	Aims to create an additional 1000MW of solar generation capacity	Commercially proven solar technologies. Proposal may include solar thermal and solar PV with generation capacity of at	Technology to be used in the project must have been demonstrated in operation at a scale of at least 30 MW generation capacity for 12 mths.	Round 1 closed 15 Feb 2010. Successful projects expected to be announced second half of 2010.	Expected to leverage \$2 of industry and state government funding for \$1 of Commonwealth	Round 1 projects scheduled to complete commissioning of plant by 31 December 2015	Click here

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				least 150 MW. Proposals must meet Solar Flagships criteria and Education Investment Fund criteria.			investment		
	Australian Solar Institute (Part of \$5.1b Clean Energy Initiative)	\$100m over 4 yrs. Competitive grants program	To support solar researchers	Concentrating solar thermal energy and solar PV	Researchers from public and private sectors	To commence operations by July 2009	Variable. Round 1 successful projects announced December 2009.	Round 2 projects proposals have been called for and are currently being reviewed.	Click here
	Commercialisation Australia	Business advice Merit based grants on a co-contribution basis	To support researchers, entrepreneurs and companies to improve their potential for successful commercialisation of their innovation.	Innovation to be commercialised	Individuals, early-growth stage and spin off companies with majority of business activities, employees or assets within Australia.	Commenced 4 January 2010	Skills and knowledge grants: up to \$50,000 Proof of Concept: \$50,000 - \$250,000 Early Stage Commercialisation: \$250,000 - \$2m Grants are on a co-contribution basis	Information available on hotline: 13 222 56	Click here
	Innovation Investment Fund	Venture Capital Fund \$200m for Round 3 competitive funding	To assist companies in the early stages of development to commercialise their product via the establishment of new fund managers to provide equity and finance	R&D Innovation to be commercialised	Small, early stage Australian companies.	The Australian Government calls for applications annually. Round 3 applications to close 31 May 2010.	Up to \$20m in capital provided, must be matched one to one with privately sourced capital.	Further information at AusIndustry hotline: 132 846	Click here Click here

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	Clean Energy Innovation Centre – Enterprise Connect Network	Part of \$50m Enterprise Connect Initiative	Centre offers services to clean energy industry including free business reviews and supporting grants	Clean energy technologies e.g. solar, wind, wave, tidal, biofuels and cogeneration, development and supply of methods, equipment and technology used to reduce energy demand or increase energy efficiency.	Small & medium sized businesses in the clean energy industry	Launched 2009.	Business reviews, ongoing mentoring, grants up to \$20,000 (will contribute to half the cost of approved projects)	Centre located in Newcastle Further info available at website or hotline: 131 791	Click here
	Retooling for Climate Change Program (Part of \$240m Clean Business Australia initiative)	\$75m over 4 yrs Competitive grants program	Aims to help Australian manufacturers reduce their environmental footprint	Small-scale cogeneration plants	Applicant must be non-tax exempt incorporated Australian company and have annual turnover of less than \$100m	Commenced 2008 until 2012.	\$10,000 - \$500,000, up to a maximum of half the cost of project.	Applications may be submitted at any time and will be assessed on a regular basis. AusIndustry hotline: 13 28 46	Click here
	Climate Ready Program (Part of \$240m Clean Business Australia initiative)	\$75m over 4 yrs Competitive grants program	To support research & development, proof-of-concept & early-stage commercialisation activities	Small scale renewable energy technologies	Applicant must be non-tax exempt incorporated Australian company and have an annual turnover of less than \$100m	Commenced 28 July 2008	\$50,000 - \$5m on a matching funding basis	Currently closed for application. Information available on AusIndustry hotline: 13 28 46	Click here
	Early Stage Venture Capital Limited Partnership	Venture Capital Fund	To stimulate Australia's early stage venture capital sector.	Target investment includes cleantechs.	Australian businesses with assets of less than \$50 million may be able to access capital from funds registered under this program	Open for application	Fund managers seeking to raise a new venture capital fund of at least \$10 million and not more than \$100 million for investing in	Further information at (02) 6213 6609 or email VentureCapital@innovation.gov.au	Click here Click here

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							Australian businesses.		
	R&D Tax concession (To be replaced by R&D Tax Credit)	Broad-based, market driven tax concession	To increase the amount of research and development (R&D) undertaken in Australia	R&D activities that are systematic, investigative and experimental, and involve either innovation (novelty) <u>or</u> high levels of technical risk.	Companies incorporated in Australia and undertaking R&D	Applications are received based on individual company reporting periods	Allows companies to deduct up to 125% of qualifying expenditure incurred on R&D activities when lodging their corporate tax return.	Companies wishing to make an application for registration for the R&D Tax Concession for income year ending 30 June 2010 must do so by 30 April 2011.	Click here
	R&D Tax Credit To replace current R&D Tax concession	Broad-based, market driven incentive package	To deliver a tax incentive to boost investment in research and development	R&D activities that are systematic, investigative, and involve both considerable levels of novelty <u>and</u> high levels of technical risk	Entities undertaking R&D that are either: <ul style="list-style-type: none"> • Australian corporations; • Australian residents for tax purposes; • foreign corporations that carry on R&D activities through a permanent establishment in Australia; and • public trading trusts with a corporate trustee. 	Was to commence 1 July 2010 however legislation still to be passed in Parliament.	Companies with an annual turnover of less than \$20m can claim a 45% refundable tax credit (the equivalent of a 150% concession) All other companies can claim a 40% standard tax credit (the equivalent of a 133 per cent deduction).	To replace R&D Tax Concession - transitional measures for the 2009-10 will be put in place	Click here Click here

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	Export Market Development Grant	Government financial assistance program for aspiring and current exporters	To encourage small & medium sized Australian businesses to develop export markets	Business must have promoted product for export and product must be: a good made in Australia or outside Australia where Australia will derive a significant net benefit; IP right that mainly resulted from work done in Australia; trademark owned, assigned or first used in Australia; know-how that mainly resulted from work done in Australia	Australian individual, partnership, company, association, co-operative, statutory corporation or trust that has carried on export promotion activities during the year for which they wish to apply for an export grant	Applications for 2008-09 closed 30 November, 2009. Applications for 2009-10 will open 1 July, 2010.	Reimburses up to 50% of expenses incurred on eligible export promotion activities, above \$10,000 threshold Provides up to eight grants to each eligible applicant	Additional information on eligible activities and products available on website.	Click here
	Clean Energy Trade and Investment Strategy	\$14.9 million will be spent over 3 years	To attract investment into Australia's clean energy sector and assist Australian clean energy companies to access international markets	Solar, wind, geothermal, marine, bioenergy and biofuels,	Australian business	TBC	N/A	Austrade to appoint industry specialists in Australia and in major offshore markets	Click here
Federal and states and Territories	GreenPower Scheme	Joint initiative of the ACT, NSW, SA, QLD, VIC and WA government agencies	To encourage use of renewable energy to reduce greenhouse gas emissions and drive demand for renewable energy	Solar, wind, hydro, bioenergy	Households, business. State governments have agreements to purchase some of their power from GreenPower	Commenced in NSW in April 1997 then expanded to other states in 2000	N/A	Currently over 980,000 GreenPower customers and 196 accredited generators	Click here

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	Australian Technology Showcase (ATS) (Managed by State Govt. in VIC, QLD, NSW)	National networking program	To promote and develop export markets for innovative technology based products	Innovative, Australian technology with global marketing potential	Small to medium sized Australian businesses with annual turnover <\$10m.	3 year membership	Promotion on ATS website / newsletter, networking opportunities, seminars, Business Development Manger	Application process for each state available on website	Click here
New South Wales	NSW State Plan (Incorporates Clean Energy Strategy - in development)	Achieve a 20% renewable energy consumption by 2020 to align with federal RET	To encourage additional generation of electricity from renewable energy sources.	Renewable energy technologies	Clean Energy strategy will examine incentives for emerging technologies e.g. geothermal, biomass, wave energy	Revised State Plan released 2010	N/A	State Plan also includes training and green jobs	Click here
	Renewable Energy Development Program (Part of \$700m NSW Climate Change Fund)	\$40m over 5 yrs Competitive grants program	Funding to assist in demonstration, commercialisation of renewable energy technologies in NSW	Solar, geothermal, wind, bioenergy, hydro, ocean energy (Native forest biomaterial not eligible)	Selection criteria for applicant available on website	Established July 2007	Variable funding provided in rounds	Round 1 closed. To be notified of future funding rounds email contact details to ccf@environment.nsw.gov.au	Click here
	Public Facilities Program (Demonstration Stream) (Part of \$700m NSW Climate Change Fund)	\$30m over 5 yrs Competitive grants program	Funding to assist in projects which reduce the demand for electricity, water	Cogeneration	Public or educational facilities which are open to, and frequently accessed, by the public	Established July 2007	Variable funding provided in rounds.	Round 2 closed. To be notified of future funding rounds email contact details to ccf@environment.nsw.gov.au	Click here
	NSW Green Business	\$30m over 5 yrs	Funding to assist in projects which	Projects that reduce electricity	NSW business operations. Further	Established July 2007	Variable funding	Round 1 closed. To be	Click here

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	Program (Part of \$700m NSW Climate Change Fund)	Competitive grants program	reduce the demand for electricity, water	demand	selection criteria for applicant available on website		provided in rounds.	notified of future funding rounds email contact details to ccf@environment.nsw.gov.au	
	Innovation Pathways Program	Merit based grant and skills / knowledge building	To accelerate the growth of NSW organisations to commercialise innovative technologies	Innovative technologies supported by intellectual property.	NSW Businesses with turnover <\$15m – researchers, start- ups and established SMEs	Developed by Industry & Investment NSW & ATS Launched Jan 2010.	Building commercialisation and/or exports skills Grants up to \$25,000 up to 50% of cost	Application form available on website	Click here
	NSW Technology Vouchers Program (TechVouchers)	\$1.4 m program - Seed funding & technical advice to engage with research organisations	To encourage collaboration between SMEs and research organisations in NSW	Research projects, research or demonstration of technical products	Small to medium NSW enterprises with turnover <\$30m and <200 employees	Launched Jan 2010	TechVouchers up to \$15,000 TechConnectors up to \$50,000	Application form available on website Administered by InnovationXchange Ltd on behalf of Industry & Investment NSW	Click here
	Hunter Valley Low Carbon Project	Research project to determine low carbon strategy for Hunter Valley region	To provide a blueprint for the future economic development of low carbon Hunter Valley industry, and a pathway to public and private investment	Renewable Energy Energy Efficiency	TBA	N/A	N/A	Focus of study is also on “green job” creation	Click here

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Queensland	Queensland Renewable Energy Fund	\$50m program Competitive grants program	To support development and deployment of renewable energy generation technologies in QLD.	Renewable energy technologies that are beyond proof of concept and provide minimum capacity of 100kW	Australian based organisations with project related to QLD	Announced 2007	Funding is accessed via loan of up to 100% or grant of up to 50% of project capital value.	Further funding rounds are yet to be determined.	Click here
	Queensland Renewable Energy Plan	Road map to attract investment in renewable energy to QLD	To increase deployment of renewable energy initiatives and accelerate growth of this sector	Solar thermal, geothermal, small scale renewable energy systems	Australian based organisations with project related to QLD	Launched June 2009	Various incentives	Administered by Office of Clean Energy	Click here
	Queensland Sustainable Energy Innovation Fund	Competitive grants (\$8.9m for over 77 projects has already been granted)	To assist in the development & commercialisation of sustainable technologies	Renewable energy technologies	Incorporated QLD based organisations	Commenced 1999	Grants of up to 80% of project costs up to \$200,000	Applications for new project proposals invited twice per year. Application process information available on website	Click here
	Queensland Geothermal Energy Centre of Excellence	\$15m over 5 yrs for centre of excellence in partnership with University of Queensland	To encourage R&D in energy derived from hot rocks	Geothermal	N/A	Announced 2007 (Chairman announced June 2010)	N/A		Click here
South Australia	Renewable Energy Target	20% of electricity to be produced by renewable energy by 2014	To increase the use of renewable energy in SA	Renewable energy technologies		Climate Change and Greenhouse Emissions Reduction Act 2007 became law on 3 July 2007	N/A	New target announced of 33% of electricity to be produced by renewable energy by 2020	Click here

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	Renewable Energy Fund	\$20 million over 2 years	To support R&DD of renewable energy technologies	Renewable energy technologies	Incorporated company with history in delivering similar projects, financially viable	Established June 2009. Expires June 2011	Variable	To be overseen by Renewable Energy Board, supported by Renewable Energy Commissioner	Click here
	Plan for Accelerating Exploration (PACE)	Competitive grants program	To accelerate exploration in SA	Geothermal – direct drilling costs	Mining companies conducting exploration	Launched 2004	Grant up to \$100,000 not exceeding 50% of drilling costs	For more information email: Miles.Davies@sa.gov.au	Click here
	CleanTech Industry Strategy	Strategy incorporates Sustainable Technologies Precinct & CleanTech Partnering Program	To encourage use of sustainable technologies Create sustainable technologies hub at Tonsley Park	Sustainable technologies	Innovative companies in clean technology CleanTech Partnering Program targets SMEs	Launched Febraury2010	Technology hub, research & training facilities, access to expertise		Click here
	Small Business Development Grant	Competitive grants program	To enhance economic growth, employment and business development in Southern Adelaide	Projects with innovation or introduction of new technology.	SA business with turnover between \$250,000 - \$5m pa and minimum 2yr trading history	Grant announced in rounds.	Grant \$100,00-\$500,000 available on matching dollar for dollar basis	Project capital expenditure must be <\$200,000 and create new jobs	Click here Click here
	Payroll Tax rebate	Payroll tax rebate for construction of renewable energy plant	To attract more investment in renewable energy	Large scale renewable energy projects eg. wind, solar, wave, geothermal	Projects must have nameplate rating at single connection point of greater than or equal to 30MW and have started construction phase after 1 July 2010	1 July 2010 until 30 June 2014	Payroll tax rebate associated with labour: Up to \$5m for solar Up to \$1m for wind	Administered by RevenueSA	Click here

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Tasmania	North West and Northern Tasmania Innovation and Investment Fund Fund now closed	\$27m competitive grants program	To stimulate innovation, investment & Jobs in northwest and northern Tasmania	New innovations and technology and /or emerging industry	Incorporated companies with ABN	Launched 2009 until June 2011	Up to \$50,000	Administered by AusIndustry	Click here
	Victorian Climate Change White Paper	Increase Victoria's electricity supply from large scale solar to 5% by 2020 Green Door – one stop shop for energy projects	To encourage additional generation of electricity from solar To streamline development of renewable energy projects	Solar Projects with emission threshold of 0.5t CO2/ MWh	Solar power plants Projects larger than 30MW	TBC TBC	N/A N/A	Introduce large scale feed-in tariff Each project to be assigned a case manager to help navigate application and approval processes	Click here Click here
Victoria	Energy Technology Innovation Strategy	\$72m grants program for renewable & sustainable energy	To support the development of large scale, precommercial demonstrations of sustainable energy technologies	Solar, energy storage, biofuels, biomass conversion, geothermal & clean distributed energy	Selection criteria available on website	Established April 2008	Applications for grants close 31 st August 2009	Administered by DPI	Click here
	Sustainability Fund	Competitive grants program	To support projects to tackle climate change and help Victoria reduce its environmental impact	Can include trialling of renewable energy technologies	Schools, businesses, local government and community groups across Victoria	Established in 2002	Variable	Managed by Sustainability Victoria	Click here

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Western Australia	Large Scale Solar Project	\$100m competitive grant	To support the establishment of a large scale solar power station in Victoria	Solar PV or	Project must be located in Victoria, generate minimum of 330 GWh p.a of electricity for 20yrs	Announced March 2009. Plant to be constructed in 2011-2015	Must demonstrate equal / greater financial support from Australian Government & private sector	Project must also receive funding under federal Solar Flagship Program	Click here
	VicStart Technology Commercialisation Initiative	Expert advice, mentoring, networking, support programs	To support commercialisation of technology innovations	Technology products in R&D	Businesses with credible business cases with IP that are judged to be able to succeed commercially	Launched 2009	Assistance to gain grants, debt funding or seed funding Free to join program	Funded by DIIRD Tel: 13 22 15	Click here
	Low Emissions Energy Development Fund	Competitive grants program	To develop low emission technologies to reduce greenhouse gas emissions	Renewable energy technologies	WA projects that reduce greenhouse gas emissions. Projects must not have commenced and must be seeking > \$200,000	Launched 2007	Variable funding in rounds on matching 3 for one dollar basis. 3 rd Round closed 24 March 2010		Click here

This information is intended as a guide only and was current as at 10 Aug 2010.