

Senate Order Report (01 Jan 2023 - 31 Dec 2023)

Note: Grant value and end dates can change over the life of a project

Recipient	Project Title	Current Value (GST Exclusive)	Start Date	Current End Date
University of New South Wales	1-A060:UNSW: Development and Commercialisation of High Efficiency Silicon Solar	\$4,761,177.30	16/06/2010	30/06/2025
Southern Cross REVC Trusco	Southern Cross Renewable Energy Fund	\$60,232,122.00	1/01/2012	30/12/2024
University of New South Wales	1-SRI001: UNSW: Australia-US Institute for Advanced Photovoltaics (AUSIAPV)	\$128,974,090.00	3/12/2012	31/01/2031
Lord Howe Island Board	Lord Howe Island Hybrid Renewable Project	\$4,500,000.00	17/07/2014	30/09/2024
University of Adelaide	Integrating Concentrating Solar Thermal Energy into the Bayer Alumina Process	\$4,490,752.00	12/04/2016	15/02/2024
Kennedy Energy Park	Kennedy Energy Park (KEP)	\$18,000,000.00	22/07/2016	30/11/2042
University of New South Wales	Next Generation Silicon sub-cells for high efficiency III-V/Si multi-junction so	\$1,144,628.00	6/12/2017	30/09/2024
Australian PV Institute Limited	International Energy Agency (IEA) Technology Collaboration Programme (TCP) - Sol	\$383,500.00	1/05/2018	31/03/2024
Australian PV Institute Limited	International Energy Agency Technology Collaboration Programme - PV Power System	\$668,000.00	1/05/2018	31/03/2024
Commonwealth Scientific and Industrial Research Organisation	International Energy Agency (IEA) - SolarPACES (Solar Power and Chemical Energy	\$364,000.00	9/05/2018	28/06/2024
Ethanol Technologies Pty Limited	Ethtec Cellulosic Ethanol Pilot Plant	\$11,960,000.00	2/07/2018	30/12/2026
Commonwealth Scientific and Industrial Research Organisation	CSIRO Solar Thermochemical Hydrogen R&D Project	\$2,207,676.00	1/08/2018	30/09/2024
Queensland University of Technology	QUT Hydrogen process R&D Project	\$3,650,000.00	1/08/2018	20/04/2024
Chargefox Pty Ltd	Chargefox Electric Vehicle Charging Network Project	\$6,000,000.00	16/10/2018	26/01/2024
Macquarie Capital (Australia) Limited	Kwinana Waste to Energy	\$23,000,000.00	16/10/2018	15/12/2025
Aeolus Wind Systems Pty Ltd	Aeolus Wind Systems Wind Forecasting Demonstration Project	\$1,899,000.00	31/01/2019	28/06/2024
Toyota Motor Corporation Australia Ltd	Toyota Ecopark Hydrogen Demonstration	\$3,283,173.00	20/02/2019	30/09/2024
Wave Swell Energy Limited	UniWave200 King Island Project	\$4,035,628.00	26/03/2019	30/06/2025
BOC Ltd	Bulwer Island, Queensland, Renewable Hydrogen Production and Refuelling Project	\$1,137,000.00	1/05/2019	30/09/2024
Fast Cities Australia Pty Ltd	Fast Cities - Creating a National Ultrafast EV Charging Infrastructure Network	\$15,000,000.00	28/05/2019	29/08/2037
Logan City Council	Loganholme Wastewater Treatment Plant Gasification Facility Demonstration Projec	\$6,220,898.00	19/07/2019	28/08/2033
East Rockingham Rrf Project Co Pty Ltd	East Rockingham Waste to Energy Project	\$18,000,000.00	23/08/2019	30/12/2026
The Trustee for Sustainable Melbourne Fund	Scaling up Environmental Upgrade Agreements (EUAs) across Australia	\$725,000.00	9/09/2019	29/06/2030
Glaciem Cooling Technologies Pty Ltd	Advancing Renewables with PCM Thermal Energy Storage Project	\$1,962,037.00	18/09/2019	29/05/2024
Alinta Energy Pilbara Finance Pty Ltd	Alinta Solar Gas Hybrid Project	\$24,200,000.00	17/10/2019	28/02/2028
Mirvac Victoria Pty Ltd	Mirvac - Net Zero Energy Homes	\$784,000.00	13/11/2019	1/09/2025
Hornsedale Power Reserve Pty Ltd	Hornsedale Power Reserve Upgrade Project	\$8,000,000.00	18/11/2019	29/06/2026
Australand Residential Edmondson Park Pty Limited	Frasers Property Australia Net Zero Energy Homes	\$708,910.00	18/12/2019	1/10/2025
Rheem Australia	Rheem, Bringing South Australia's Hot Water Load Under Active Control	\$1,981,000.00	20/12/2019	31/12/2023
Hazer Group Limited	The Hazer Process Demonstration Plant	\$9,410,000.00	13/03/2020	30/09/2026
Reactive Technologies Pty Ltd	Reactive Technologies, System Inertia Measurement Demonstration	\$1,430,000.00	17/03/2020	1/10/2024
Renegi Pty Ltd	Renegi, Bioenergy, Collie, Waste to Energy through Pyrolysis	\$4,300,000.00	30/03/2020	29/02/2024
Icon Retail Investments Limited and AGL ACT Retail Investments Pty Ltd	ActewAGL Realising Electric Vehicle-to-grid Services Project	\$2,738,648.00	16/06/2020	30/09/2024
The Trustee for the NSW Electricity Networks Operations Trust	Central West NSW Energy Zone Detailed Scoping Study	\$5,000,000.00	23/06/2020	31/12/2023
Australian Energy Market Operator	AEMO Project EDGE (Energy Demand & Generation Exchange)	\$12,927,065.00	3/08/2020	23/01/2024
DPESS DevCo Pty Ltd	Darlington Point Energy Storage System	\$6,600,000.00	11/08/2020	30/05/2026
Sundrive Solar Pty Ltd	SunDrive Copper Metallisation Demonstration Project	\$3,000,000.00	17/08/2020	31/12/2023
VPP Project 1 (SA) Pty Ltd	South Australia's Virtual Power Plant - Phase 3A, Tesla Motors Australia	\$8,200,000.00	25/08/2020	15/02/2024
Swinburne University of Technology	Swinburne University of Technology, Hawthorn, End-of-life, Electrically-Enhanced	\$454,000.00	18/09/2020	28/06/2024

Australian National University	ANU, Canberra, Advanced silicon, Heterocontact-Polysilicon Hybrid IBC Solar Cell	\$507,819.00	18/09/2020	1/06/2024
Australian National University	ANU, Canberra, Tandem-Silicon, Monolithic Si/perovskite tandem solar cell: advan	\$1,130,542.00	18/09/2020	30/06/2024
University of New South Wales	UNSW, Sydney, End-of-Life, Highly efficient, low-cost and eco-friendly recycling	\$1,360,000.00	18/09/2020	12/03/2024
The Trustee for the NSW Electricity Networks Operations Trust	TransGrid, Wallgrove Battery	\$10,147,919.00	2/10/2020	17/04/2024
Brimbank City Council	Brimbank City Council St Albans Leisure Centre Replacement - Carbon Neutral De	\$1,530,000.00	27/10/2020	27/07/2024
Jemena Ltd	Jemena Gas Network, Malabar, Biomethane Injection Demonstration	\$5,900,000.00	4/11/2020	21/06/2024
Regional Power Corporation	Horizon Power Denham Hydrogen Demonstration	\$2,573,071.00	5/11/2020	31/12/2025
AGL Energy Services Pty Limited	AGL Electric Vehicle Orchestration Trial	\$1,916,984.00	17/11/2020	11/02/2024
The Trustee for The Yadlamalka Energy Trust	Spencer Energy Co-located Vanadium Flow Battery Storage and Solar Project	\$5,695,000.00	23/11/2020	28/11/2025
University of New South Wales	Project MATCH - Distributed energy resources (DER) and	\$981,241.00	18/12/2020	29/04/2024
Relectrify Holdings Pty Ltd	Relectrify, Second-Life Battery Trial	\$288,560.00	21/12/2020	30/09/2024
Redback Operations Pty Ltd	SHIELD - Synchronising Heterogeneous Information (to) Evaluate Limits (for) DNSP	\$2,100,000.00	21/12/2020	16/05/2024
ALCOA Australia Limited	Alcoa - Mechanical Vapour Recompression for Low Carbon Alumina Refining Project	\$11,285,293.00	18/01/2021	5/05/2027
United Energy Distribution Pty Limited	United Energy, LV Battery Trial	\$4,000,000.00	1/03/2021	25/01/2025
Kidston Hydro Project Co Pty Ltd	Genex Kidston Pumped Hydro Energy Storage Project	\$47,000,000.00	15/04/2021	30/01/2025
Electric Highway Tasmania Proprietary Limited	Electric Highway Tasmania, Hobart EHT Fast Charger Network Project	\$400,000.00	29/06/2021	30/06/2024
IPAH Client Solutions Australia Pty Ltd	Engie Future Fuels Public Fast Charging Adelaide	\$600,000.00	29/06/2021	1/10/2024
IPAH Client Solutions Australia Pty Ltd	Engie Future Fuels Public Fast Charging Brisbane	\$1,500,000.00	29/06/2021	1/10/2024
IPAH Client Solutions Australia Pty Ltd	Engie Future Fuels Public Fast Charging Melbourne	\$2,250,000.00	29/06/2021	1/10/2024
IPAH Client Solutions Australia Pty Ltd	Engie Future Fuels Public Fast Charging Sydney	\$2,500,000.00	29/06/2021	1/10/2024
Fast Cities Australia Pty Ltd	Evie Networks Future Fuels Public Fast Charging Darwin	\$300,000.00	30/06/2021	30/06/2024
Fast Cities Australia Pty Ltd	Evie Networks Future Fuels Public Fast Charging Hobart	\$400,000.00	30/06/2021	30/06/2024
Fast Cities Australia Pty Ltd	Evie Networks Future Fuels Public Fast Charging Canberra	\$500,000.00	30/06/2021	30/06/2024
Fast Cities Australia Pty Ltd	Evie Networks Future Fuels Public Fast Charging Adelaide	\$600,000.00	30/06/2021	30/06/2024
Fast Cities Australia Pty Ltd	Evie Networks Future Fuels Public Fast Charging Perth	\$800,000.00	30/06/2021	30/06/2024
Fast Cities Australia Pty Ltd	Evie Networks Future Fuels Public Fast Charging Brisbane	\$1,500,000.00	30/06/2021	30/06/2024
Fast Cities Australia Pty Ltd	Evie Networks Future Fuels Public Fast Charging Melbourne	\$2,250,000.00	30/06/2021	30/06/2024
Fast Cities Australia Pty Ltd	Evie Networks Future Fuels Public Fast Charging Sydney	\$2,500,000.00	30/06/2021	30/06/2024
Western Power	Western Australia Distributed Energy Resources Orchestration Pilot (Project Symp	\$8,557,027.00	2/07/2021	10/02/2024
AGL Energy Limited	AGL Broken Hill Grid-Forming Battery	\$14,839,000.00	4/08/2021	3/07/2025
Icon Distribution Investments Limited and Jemena Networks (Act) Pty Ltd	Evoenergy - ACT Distributed Energy Resources Demonstration Pilot (Project Conver	\$2,852,118.00	24/08/2021	15/01/2024
Elexsys Energy Pty Ltd	Planet Ark Power EleXsys DER Hosting Capacity Demonstration Project	\$451,167.00	20/10/2021	14/03/2024
Ground Source Systems Pty Ltd	Ground Source Systems Yanderra Shallow Geothermal-Solar Systems Demonstration	\$318,556.00	5/11/2021	5/03/2024
5B Holdings Pty Ltd	5B Maverick Solar PV Automated Assembly & Deployment Project	\$14,000,000.00	14/12/2021	29/11/2024
Intellihub Australia Pty Ltd	Intellihub Street Light Pole EV Charger with Grid Integration Project	\$871,000.00	23/12/2021	15/11/2024
University of Queensland	University of Queensland, Platform for Solar Farm Pre-commissioning	\$498,000.00	10/01/2022	19/03/2024
Hardwick Processors Proprietary Limited	Hardwick Meat Works Installation of Heat Pump and Power Upgrade Demonstration	\$838,000.00	28/02/2022	31/07/2025
Viva Energy Australia Pty Ltd	Viva Energy New Energies Service Station Geelong Demonstration Project	\$34,000,000.00	28/02/2022	31/12/2026
Monash University	Monash University - Integrating Energy Storage into the NEM Study	\$495,000.00	2/03/2022	1/02/2024
ALCOA Australia Limited	Alcoa Renewable Powered Electric Calcination Pilot	\$8,621,168.00	31/03/2022	28/05/2028
MGA Thermal Pty Ltd	MGA Thermal, Thermal Energy Storage Project	\$1,267,500.00	5/05/2022	30/04/2024
Spinifex Offshore Wind Farm Pty Ltd	Spinifex Offshore Wind Farm Phase 1 Development Activities	\$1,536,363.64	7/06/2022	30/09/2024
Shell Energy Retail Pty Ltd	Shell Energy Smart Energy Hubs Deployment Project	\$9,100,000.00	15/07/2022	30/04/2025
A-CAES NSW Pty Ltd	Hydrostor, Broken Hill Advanced Compressed Air Energy Storage Demonstration	\$45,000,000.00	25/08/2022	30/10/2030

Infravision Pty Ltd	Infravision - NSW - Next Generation Line Monitoring System Demonstration Project	\$732,492.00	26/08/2022	31/10/2024
T.EN Australia and New Zealand Pty Ltd	Yuri Renewable Hydrogen to Ammonia Project	\$47,500,000.00	14/09/2022	15/12/2027
AGL Energy Limited	AGL Thermal Storage at Torrens Island Power Station B Feasibility Study(Project	\$422,582.00	14/10/2022	31/03/2024
University of Wollongong	University of Wollongong (UoW), Robust Methods for Harmonics Compliance Study	\$1,040,000.00	18/10/2022	5/01/2026
Calix Ltd	Calix Zero Emissions Steel Technology (ZESTY) pre-FEED / FEED Study	\$947,035.00	7/11/2022	29/02/2024
Fortescue Future Industries Pty Ltd	Gibson Island H2 Pty Ltd, Gibson Island Green Ammonia Study	\$13,662,272.00	7/11/2022	16/03/2024
Origin Energy Limited	Accelerate EV Fleet Program	\$6,171,855.00	25/11/2022	31/01/2025
Australian National University	ANU, Low-cost integration of on-site PV for large-scale industrial heat supply	\$2,350,604.00	2/12/2022	15/09/2026
Australian National University	ANU, Canberra, Cells and Modules, Next generation silicon solar cells >26% effic	\$2,702,721.00	2/12/2022	30/06/2028
Australian National University	ANU, Cost-effective Si/perovskite tandem modules on passivating contact Si cells	\$4,308,107.00	2/12/2022	30/06/2028
University of New South Wales	UNSW, Low-cost and Sustainable PV Systems for the Terawatt Scale Project	\$2,426,656.00	5/12/2022	30/01/2028
University of New South Wales	UNSW, Machine learning applications for utility-scale PV	\$2,587,980.00	5/12/2022	31/03/2028
University of New South Wales	UNSW - Industrial high-throughput inspection methods for high-efficiency multiju	\$2,727,949.00	5/12/2022	31/03/2028
University of Sydney	The University of Sydney, Cells and Modules, Commercialising Si perovskite tande	\$2,783,525.00	5/12/2022	28/04/2028
University of New South Wales	UNSW - Daytime Inspection Solutions for Advanced Operation and Maintenance of So	\$2,853,813.00	5/12/2022	30/05/2028
University of New South Wales	UNSW, Efficient and Stable Chalcogenide-Si tandem cells: integrating commercial	\$3,082,000.00	5/12/2022	31/03/2027
University of New South Wales	UNSW Silver-lean screen printing for sustainable low-cost industrial PV manufact	\$3,364,455.00	5/12/2022	30/01/2027
University of New South Wales	UNSW, Rear-Junction p-type PERC/TOPCon Hybrid Solar Cells (RJ-PERP)	\$3,740,423.00	5/12/2022	1/02/2028
University of New South Wales	UNSW – Optimal O&M-strategy and LCOE-modelling for ground-mounted PV	\$3,746,878.00	5/12/2022	29/03/2028
University of New South Wales	UNSW, Low-cost >30% Efficient Silicon Photovoltaic Solar Cells Achieved through	\$4,836,546.00	5/12/2022	31/05/2028
Team Global Express Pty Ltd	Depot of the Future Vehicle Electrification Project	\$20,062,127.00	5/12/2022	30/06/2028
SA Power Networks	SA Power Networks - Market-Active Solar trial	\$1,016,063.49	21/12/2022	9/11/2024
The Trustee for ERIC Alpha AUP Trust 1 & Others	PLUS ES - South Australia Demand Flexibility trial	\$2,716,759.00	21/12/2022	31/10/2024
Vast Solar Pty Ltd	Vast Solar, Port Augusta Concentrated Solar Power Project	\$65,000,000.00	27/01/2023	31/05/2028
Solar Analytics	Solar Analytics, Smart CER Consumer Uptake Tool Project	\$927,890.00	6/04/2023	31/05/2024
Australian PV Institute Limited	APVI Silicon to Solar Study	\$541,640.00	26/04/2023	30/04/2024
Logan City Council	Logan City Council, FOGO Feasibility Study	\$291,785.00	7/05/2023	3/04/2026
Enel X Australia Pty Ltd	Enel X Commercial Refrigeration Flexible Demand Project	\$3,675,361.00	15/05/2023	26/03/2027
AGI Renewables Pty Ltd	Hydrogen Park Murray Valley Project	\$36,105,000.00	30/05/2023	14/06/2030
Stanwell Corporation Limited	Central Queensland Hydrogen (CQ-H2) Project FEED study	\$20,000,000.00	2/06/2023	5/05/2025
Hysata Pty Ltd	Hysata High-Efficiency 'Capillary-fed' Electrolyser Pilot Project	\$8,980,000.00	8/06/2023	1/08/2027
Rio Tinto Aluminium Limited	Rio Tinto and Sumitomo Yarwun Hydrogen Calcination Pilot Demonstration Program	\$32,108,283.00	14/06/2023	28/08/2028
Monash University	Management of Oscillations in Australia's National Grid	\$499,744.00	16/06/2023	31/07/2025
Paper Australia Pty Ltd	Latrobe Valley Aquaculture Geothermal Heating Study	\$110,815.00	4/07/2023	29/02/2024
AMSL Aero Pty Ltd	AMSL Aero, Project Vertiia – A Renewable Hydrogen Air Transport System	\$5,427,749.00	10/07/2023	1/08/2026
Intellihub Australia Pty Ltd	Intellihub – Demand Flexibility Platform Project	\$9,750,000.00	19/07/2023	29/07/2027
SunDrive Solar Pty Ltd	Commercialisation of SunDrive Copper Metallisation	\$11,000,000.00	24/07/2023	29/11/2025
G & K O'Connor Pty Ltd	G & K O'Connor, Closing the Loop on Red Meat Processing Energy and Emissions	\$399,503.00	9/08/2023	31/07/2024
Hysata Pty Ltd	Hysata 'Capillary-fed' Electrolyser Commercial-Scale Demonstration Project	\$20,850,989.00	11/08/2023	3/04/2026
Raygen Resources Pty Ltd	RayGen, Solar Power Plant Two: Phase 1	\$10,000,000.00	16/08/2023	31/01/2025
Trustee for the Tropic Wings Trust	Sustainable Transport in Tourism Project	\$4,755,425.00	5/09/2023	20/08/2025
Jolt Charge Pty Ltd	Jolt, e-Taxi Charging Project	\$4,189,160.00	21/09/2023	30/11/2026
Jet Charge Pty Ltd	JET Charge, Charging as a Service Project	\$12,019,990.00	3/10/2023	1/09/2027
AGL Energy Services Pty Limited	AGL Dynamic Pricing Load Flex Trial	\$864,000.00	4/10/2023	11/04/2025

The Energy Laboratory Limited	EnergyLab Australia, Entrepreneurial Support for the Cleantech Startup Ecosystem	\$1,640,000.00	20/10/2023	27/04/2027
APT Management Services Pty Limited	Parmelia Green Hydrogen Project Feasibility Study	\$1,330,528.00	9/11/2023	31/05/2025
Patrick Stevedores Operations No 2 Pty Limited	Patrick Terminals - BEV Terminal Trucks at the Port of Fremantle	\$2,542,000.00	20/11/2023	28/11/2025
ATCO Australia	ATCO Scale H2 Feasibility Study	\$800,000.00	28/11/2023	1/06/2028
Victorian Big Battery HoldCo Pty Ltd	Neoen Australia; Moorabool; Enabling AICs at the VBB; Deployment.	\$5,720,342.00	5/12/2023	2/04/2027
Victorian Big Battery HoldCo Pty Ltd	Neoen Australia; Blyth South Australia; Blyth Battery; deployment	\$17,000,000.00	5/12/2023	27/06/2028
Victorian Big Battery HoldCo Pty Ltd	Neoen Western Downs Battery Deployment Project	\$21,000,000.00	5/12/2023	30/04/2028
Grampians Wimmera Mallee Water Corporation	GWMWater, Feasibility Study into Energy Optimisation of Water Network	\$117,515.00	12/12/2023	25/11/2024
CLA Trading Pty Ltd	Europcar Electric Vehicle Infrastructure Project	\$4,758,470.00	13/12/2023	7/03/2027
Regional Power Corporation	Long Duration Energy Storage Trials in Remote Microgrids	\$2,846,244.00	20/12/2023	6/01/2027
Aurizon Operations Limited	Aurizon Battery Electric Tender Demonstration	\$9,406,212.00	21/12/2023	27/11/2026
Aboriginal Clean Energy Partnership Pty Ltd	ACEP East Kimberley Project, Feasibility Study Phase 1	\$1,666,701.00	22/12/2023	31/05/2024