

Project Name	Project Description	Funding	Region	Activity Type	Lead Organisation
A rapidly deployable fire protective system for firefighters	The increasingly warmer and drier climate in Victoria due to climate change will increase the occurrence of bush fires. This project explores a deployable protection system that is designed for firefighters. It is an origami system that can be unfolded in seconds into a dome which protects a person against the deadly radiant heat and embers.	\$78,066	Port Phillip	Emergency Management	RMIT University
Bay Beach Resilience to Climate Change	The beaches of the Bellarine are currently eroding, and traditional models cannot predict their future stability because intertidal rocky outcrops interfere with sand movement. We will combine the latest field technology (drones and wave probes) with citizen science to predict beach movement to allow managers to be climate-change ready.	\$54,020	Barwon South West	Coastal Management	The University of Melbourne
Big data analytic approach to assessing impacts of harmful temperatures on wheat crops in northern Victoria: regional economic impacts and opportunities for adaptation	This project will analyze the current/future impacts of extreme daily-temperatures on the wheat economy in north-western Victoria. Through close engagement with farmers and the use of innovative-big-data models and statistical techniques, we assess the economic costs/benefits of different options within an adaptation-framework and provide evidence.	\$300,000	Grampians	Land Management	Monash University
Climate Change Land Capability and Capacity Project	This project will enable Southern Gippsland farmers to respond to climate change challenges. It will provide the agricultural sector with 12 detailed case study action plans. Specific climate resilient opportunities for innovation and diversification will be documented. Broader engagement will enable more informed climate change decision-making.	\$254,236	Gippsland	Land Management	Bass Coast Landcare Network Inc
Climate Safe Rooms	Climate Safe Rooms - a safe haven in the homes of people most at risk of serious illness or death from climate extremes. An energy-efficient room that remains comfortable in both summer and winter extremes, fully insulated and draught-proofed with high efficiency air-conditioning and small solar system to offset running costs.	\$300,000	Barwon South West	Sustainable Buildings	Geelong Sustainability Group Inc
CLO'ey a food waste processor for home or office	Design, legal set up and commercialisation of Generation 2 CLO'ey. CLO'ey converts food waste into nutrient rich soil conditioner in only 24 hours, minimising the need for transport or expensive infrastructure. CLO'ey can be deployed in home or office environments where there is unprocessed food waste separation is undesirable.	\$300,000	Barwon South West	Waste Management	Closed Loop Environmental Solutions
Conversations for Change	With locals, develop and deliver resources for peer to peer communication, to build: a) greater acceptance of climate change and changes it necessitates; and b) greater trust and willingness within the community to work together towards a just transition. Collate transcripts, personal stories,resources and learnings into a publication.	\$123,000	Gippsland	Community Engagement	Climate for Change
Demonstrating Fertiliser Management for Emissions Reduction in Victorian Dairy Industry	The project will demonstrate on 5 dairy farms how variable rate application of fertiliser can reduce the amount of free nitrogen leading to a reduction in Nitrous Oxide (N2O) released from farms in Gippsland. The aim is to grow adoption of precision agriculture for reduced GHG emissions. Project model has national application.	\$125,000	Gippsland	Land Management	Precision Agriculture Pty Ltd
Electric vehicle ready local government fleets	This project will enable local governments to increase EV uptake in their fleets. Working with MAV and the EV industry, we will identify demand for EVs across local government fleets, provide supporting information for fleet managers and recommend an innovative procurement model for bulk purchase of EVs and related infrastructure.	\$90,000	Port Phillip	Vehicle Emissions	ClimateWorks Australia
Enhanced Indoor Air Quality (IAQ) for Improving the Well-being of Vulnerable Population in Victoria	This project aims to enhance the indoor air quality for vulnerable population through the application of fresh filtered air ventilation. The results will develop new evidence aimed at improving the well-being and educational outcomes of young children and quality of life and resilience of older Australians, assisting in climate change adaptation.	\$270,000	Port Phillip	Sustainable Buildings	RMIT University
Fridge Off Grid	Energy consumption from refrigerators alone costs Australian households over \$1.2 billion per year. This project will reduce expenses, power consumption and greenhouse gas emissions by removing refrigerators from the grid through development of a portable solar panel & power storage unit for use where conventional solar panels are not applicable.	\$56,552	Barwon South West	Renewable Energy	Deakin University
Growing Landscape Carbon: An Online Brokerage Platform for Integrating Trees in Rural Landscapes	This project will develop an online brokerage platform to facilitate investment in tree growing for various economic and environmental benefits, harnessing a range of policy incentives, including those under the ERF, with the overarching goal of increasing carbon abatement through the integration of trees in rural landscapes.	\$252,800	Port Phillip	Land Management	The University of Melbourne
Increasing soil carbon sequestration in dryland grazing systems	This project will work with farmers to test the addition of compost and timed grazing to improve soil biology, increase soil carbon sequestration, and enhance soil water moisture. This has the potential to mitigate climate change through increasing carbon sequestration and reducing emissions, while increasing farmers resilience to climate change.	\$300,000	Hume	Land Management	La Trobe University

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Keeping Carbon on the Farm	A pilot project providing a suite of activities that dairy farmers and other primary producers undertake to reduce their greenhouse gas emissions and better prepare for climate change. These activities include re-vegetation, carbon-sequestering soil amelioration trials and energy reduction strategies.	\$146,582	Barwon South West	Land Management	Heytesbury District Landcare Network
Minimising emissions from timing and placement of nitrogen in high rainfall cropping	Nitrogen use efficiency can be improved by deep banding ammonia-based fertiliser, but none of the research has been done in the high rainfall zone of southern Victoria. This project aims to establish if this research is valid in Victorian environment and that the technique can reduce nitrous oxide emissions, denitrification and nitrate leaching	\$77,000	Barwon South West	Land Management	Southern Farming Systems Ltd
Nature-based innovations to help coastal communities adapt to climate change	Coastal assets are vulnerable to erosion and inundation. Adaptation is needed now but current engineering approaches and public perceptions are impediments to action. Combining advanced manufacturing with innovative community engagement, we will trial eco-engineered mangrove planters as an adaptive and socially-accepted solution to coastal defence.	\$299,580	Port Phillip	Coastal Management	The University of Melbourne
Organics Diversion Project	Provide organics diversion outlets for the Greater Bendigo community that cannot be serviced by the current fortnightly kerbside organics collection. This trial will enable gaps in urban residential organics kerbside collection to be addressed. It will allow us to analyse the aspects of a commercial collection and what the requirements are to fully implement a system that best suits traders. It will provide a community based alternative to disposal of organic material in the general waste bin for schools and rural families that do not already compost at home, this is evident from our audit results.	\$73,000	Loddon Mallee	Waste Management	City of Greater Bendigo
Putting the Wodonga community solar project business case into action	The Wodonga Community Solar project responds innovatively to climate change by implementing a working example of a community renewable energy model not seen to date, that provides benefits to the entire community, including helping adaptation for low income households. This project builds on the completed feasibility study and business case.	\$199,000	Hume	Renewable Energy	Wodonga City Council
Self-sensing flood resilient smart roads	The project will explore the implementation of self-sensing flood resilient smart roads that automatically recognise the amount of water on the road surface and alert authorities and emergency services in real time about the magnitude and exact location of the flooding. This will support the quick initiation of contingency plans.	\$78,000	Port Phillip	Emergency Management	RMIT University
Tarnagulla Community Based Emergency Management Study	We would like to conduct a detailed study of community strengths and challenges. This information will help us manage future natural disasters which are increasing due to climate change. We will form relationships with appropriate agencies and organisations to strengthen our responses by increasing resilience and community wellbeing.	\$50,000	Loddon Mallee	Emergency Management	Tarnagulla Alternative Energy
The Forrest Gateway to the Otways assessing feasibility, building collaboration	Explore 'Forrest Gateway to the Otways Collaborative Research and Learning Facility and Fire Refuge': Co-located Bushfire place of refuge technical assessment/design; Research and interactive learning facility feasibility study/business model; Collaborative research model testing pilots; Governance multi-disciplinary model established	\$250,000	Barwon South West	Emergency Management	Forrest & District Community Group
Towards Zero Carbon Housing in Victoria	This project first proposes a policy framework regarding feed-in tariff and green buildings, based on policy review, survey and economic analysis. The project then optimises building design to achieve zero carbon housing, through energy conservation, recovery and generation. The project contributes to reducing detrimental impacts of housing sector.	\$50,000	Barwon South West	Sustainable Buildings	Deakin University
Victorian TV Weather Presenters as Climate Communicators	The Climate Change Communication Research Hub at Monash will develop and test an operational structure which brings together University researchers, weather presenters, climate scientists, and commercial TV networks to deliver easy-to-visualise climate science segments to TV audiences by trusted sources.	\$287,636	Port Phillip	Community Engagement	Monash University
Wannon River floodplain restoration: demonstrating practical climate change mitigation action	The Upper Wannon River floodplain surrounding Walker Swamp was modified through past agricultural land use. This project will create a community demonstration site for sustainable floodplain restoration and management, by reversing artificial drainage that restores wetland habitats for threatened species and buffers the site against climate change.	\$300,000	Barwon South West	Water Management	Nature Glenelg Trust