

2018–19 Sustainability Fund Activities Report

Investing in a more sustainable future



Acknowledgment

We acknowledge and respect Victorian Traditional Owners as the original custodians of Victoria's land and waters, their unique ability to care for Country and deep spiritual connection to it. We honour Elders past and present whose knowledge and wisdom has ensured the continuation of culture and traditional practices.

We are committed to genuinely partner, and meaningfully engage, with Victoria's Traditional Owners and Aboriginal communities to support the protection of Country, the maintenance of spiritual and cultural practices and their broader aspirations in the 21st century and beyond.



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SECRETARY'S FOREWORD



To build a sustainable future for Victoria, we need to work together to reduce our impact on the environment. A healthy environment will help foster social and economic development, supporting the current and future prosperity of all Victorians.

Victoria's landfill levy system is a powerful tool to help lower our impact on the environment by reducing the waste that ends up in landfill and recovering valuable resources from the waste we generate.

Revenue generated from these levies funds key government environmental agencies that are tackling issues such as waste management, recycling, sustainability and climate change. After distributions to these agencies, the remaining funds are transferred to the Sustainability Fund.

The fund plays a vital role in fostering the environmentally sustainable use of resources and best practices in waste management, as well as helping Victorians take action on the effects of climate change. Funds are allocated in accordance with the *Environment Protection Act 1970* and the **Sustainability Fund Priority Statement**.

In 2018–19, the fund supported the diversion of at least 184,959 tonnes of waste going to landfill, the upgrade of 53 e-waste collection services and the creation or enhancement of six new markets for recovered materials.

The fund also saw the generation of 389 million kilowatt hours of renewable energy and a reduction of just over nine million kilowatt hours of electricity usage by Victorian schools. Almost 800 schools adopted positive environmental action, including diverting waste from landfill and saving water, and more than 11,000 hectares were protected under voluntary agreements.

These emerging results from projects during the year demonstrate the fund's value in strengthening the state's waste and recycling industry and restoring Victoria as a leader in responding to the effects of climate change.

This year had the highest annual expenditure in the fund's history. A total of \$193.7 million was invested in waste management and climate change projects across the state. Key projects include:

- \$22 million to help Victoria's biodiversity be more resilient to climate change
- \$19 million to accelerate the development of and encourage investment in renewable energy projects in Victoria
- \$16 million to improve the energy efficiency of government buildings
- \$11 million to support the ban on e-waste in Victoria
- \$8 million to enhance Victoria's capacity to manage waste, litter and resource recovery.

A full list of the fund's activities in 2018–19 is included in this report.

Almost 400 organisations were assisted through targeted grant programs, of which 20 per cent were local governments. These organisations play a key role in driving change in the community, especially to help reduce the amount of waste going to landfill and increase resource recovery, creating a more sustainable and healthier environment.

The cash balance of the fund decreased from \$511 million at 30 June 2018 to \$406 million at 30 June 2019. All but \$13 million of this balance is allocated to projects, with future commitments from the fund to be met from the remaining balance and from levy collections in future years.

The fund continues to be strategic and forward looking by supporting projects that foster employment, new technology and innovation, resource efficiency and ongoing behaviour change. For example, the fund supported more than 300 additional jobs in Victoria during the year. Investment in these areas helps foster Victoria's social and economic future.

I would like to take this opportunity to thank the Chair of the Sustainability Fund Committee, Freya Marsden, for her leadership and contribution to the management of the committee during the year. I would also like to thank the outgoing committee representative Kath Rowley for her valuable contribution.

The committee's advice to the Minister for Energy, Environment and Climate Change on allocations from the fund continues to ensure that programs funded align with the fund's objectives and priorities.

OVERVIEW

The Department of Environment, Land, Water and Planning (DELWP) publishes an activities report for the Sustainability Fund annually.

This report details the fund's investments and activities for 2018–19. It provides transparency about where the revenue collected from Victorian landfill levies has been spent, and the value the fund provides to Victoria. Information is also provided on how the fund operates, how its funds are allocated and how the individual projects it supported align to its legislated purpose and priorities.

The fund has seen significant internal change over the past 12 months. DELWP accepted all 14 recommendations made by the Victorian Auditor-General in the performance audit Managing the Industrial and Municipal Landfill Levy. At the time of publication, 10 recommendations have been successfully implemented. Information about these recommendations and their current status is provided in this report.

The Sustainability Fund's Monitoring and Evaluation Framework was implemented during 2018–19. The aim of the framework is to provide greater transparency about project outcomes and the value the fund provides to Victoria. Outcomes from those projects that have adopted the framework and can provide data are included in this report.

Case studies are presented throughout the report to illustrate how the fund is helping Victorian communities and industry respond to environmental concerns and to highlight its achievements over the past year.

ABOUT THE SUSTAINABILITY FUND

The Sustainability Fund is established in legislation to foster environmentally sustainable uses of resources, best practices in waste management, reduction of greenhouse gas substance emissions, and adaptation to climate change in Victoria.

Management of the fund was transferred to DELWP in 2015. Before 2015, the fund was administered by Sustainability Victoria with the first funding allocated in 2005.

The fund receives money collected from the Victorian Municipal and Industrial Landfill Levy (MILL). MILL funds are initially distributed to key environmental agencies including the Environment Protection Authority (EPA), Sustainability Victoria (SV) and the seven Waste and Resource Recovery Groups. The remaining revenue is then transferred to the Sustainability Fund.

The purpose of the Sustainability Fund, as defined by section 70 of the *Environment Protection Act 1970*, is to foster:

- environmentally sustainable uses of resources and best practices in waste management to advance the social and economic development of Victoria
- community action or innovation in relation to the reduction of greenhouse gas substance emissions or adaptation or adjustment to climate change in Victoria.

Funds are allocated with the joint consent of the Minister for Energy, Environment and Climate Change and the Premier, in accordance with the fund's **Priority Statement** and government policy.

The Sustainability Fund Committee oversees the fund's management to support transparency and accountability, as well as providing impartial, strategic advice to the Minister and Premier regarding allocations from the fund.

The members of the committee during the 2018–19 reporting period have been:

- Freya Marsden, Chair
2016 – current
- Joe Groher, Deputy Chair
2016 – current
- John Batho
2018 – current
- Kath Rowley, DELWP Representative
2016 – June 2019
- Paul Murfitt, DELWP Representative
2017 – current

ROLE OF THE SUSTAINABILITY FUND COMMITTEE

The Premier and the Minister are supported by the Sustainability Fund Committee. The role of the committee is to oversee the fund's governance and management, providing increased transparency and accountability around the fund's expenditure. This includes working with DELWP to release the fund's annual activities report (this report).

The committee plays a key role in ensuring that allocations from the fund align to the fund's legislated objectives, building confidence that the fund is being used for its intended purpose.

The committee achieves this by providing impartial, strategic advice regarding allocations from the fund to the Minister, prior to Minister's and Premier's approval. This advice includes the proposal's:

- compliance with the fund's legislative objectives of the Act to foster:
 - the environmentally sustainable use of our resources and best practices in waste management to advance the social and economic development of Victoria
 - community action or innovation in relation to the reduction of greenhouse gas substance emissions or adaptation or adjustment to climate change in Victoria.
- alignment with the expected outcomes of the strategic priorities of the fund included in the Priority Statement
- value for money, in light of the immediate and long-term environmental benefits that will be achieved
- availability of funding to the applicant from other funding sources.

The committee reviews funding requests against these criteria, taking into account detailed submission information and presentations on existing and potential programs.

Further, the committee is responsible for overseeing the administration of the Monitoring and Evaluation Framework. The framework aims to measure the extent to which projects have achieved the fund's legislative objectives. This information informs an annual evaluation of project outcomes, as well as a whole-of-fund evaluation in the future. Further information on the framework, including outcomes from projects in 2018–19 where possible, is detailed from [page 14](#).

The role of the committee is outlined in the [Sustainability Fund Guidelines](#). These guidelines are made available to the public on DELWP's website.



The project worked to reduce illegally dumped rubbish, targeting dumping 'hotspots'.



One of the two winning poster designs in the primary school competition



Front page of the brochure

CASE STUDY

KINGSTON COUNCIL TACKLES ILLEGAL DUMPING

A project aimed at deterring illegal dumping in the green wedge municipality of Kingston has led to substantially smaller piles of rubbish ending up in the area. Kingston Council has also spent significantly less on removing rubbish in 2018–19.

The improvement follows the awarding of a grant from the Litter and Illegal Dumping program, with which the council was able to install surveillance cameras in dumping hot spots, moving them around every few weeks to cover more area. The council also ran education activities in schools and the local community on the cost of illegal dumping, how to report it and how to dispose of waste properly.

The problem had been particularly bad around Clayton South where it is quiet, secluded and close to residential and industrial areas.

To get schools involved and promote the project more widely in the community, a competition was run asking students to design a poster that would be turned into a roadside banner to be displayed in target streets in Clayton South.

Two of the 248 entrants won a \$100 movie voucher and a \$450 sustainability pack for their schools. The schools involved in the competition reflected that it had been a great way to get students talking about the negative effects of illegal dumping.

In addition to the competition, the council ran a media campaign and created a 'Keep Kingston Clean' brochure, which was posted to residents and businesses around the hot spot. The brochure

encouraged residents to report dumped rubbish and book a hard waste collection, and reinforced that those who illegally dump rubbish will ultimately be caught and prosecuted.

Further, a community transfer station tour was organised to raise awareness of how to dispose of – or give away – quality items, rather than sending them to landfill.

Legislative objective

This project fosters the environmentally sustainable use of resources and best practices in waste management to advance the social and economic development of Victoria by:

- engaging Victorians to contribute to litter prevention and management activities
- empowering the community to act to improve the environment
- encouraging the efficient use of resources by directing litter to the waste and resource recovery sector.

This project is funded in full from the Victorian Litter Plan, which is funded by the Sustainability Fund. The Victorian Litter Plan received \$0.10 million in 2018–19 to support various projects.

PRIORITY STATEMENT

The Priority Statement sets out the priorities of the Victorian Government and guides how funds are invested. The Priority Statement was refreshed in 2015–16 after consulting with the Victorian community, to position Victoria as a leader in resource recovery, waste management and climate change mitigation and adaptation. The statement clarifies how eligible programs will be prioritised to ensure funds are applied in a way that maximises benefits for Victoria.

Fostering environmentally sustainable uses of resources and best practices in waste management to advance the social and economic development of Victoria

Strategic priorities:

- making alternatives to landfill more viable and cost competitive through the stimulation, creation and expansion of viable markets for recycled and recovered materials;
- facilitating a network of best practice waste and resource recovery infrastructure which minimises public health and environmental impacts and maximises resource recovery opportunities;
- providing equity in access to, and reducing impacts of, waste and resource recovery services on communities;
- improving waste education and waste management capability to reduce waste generation, recover resources, and prevent littering and illegal dumping; and
- modernising the management of legacy contamination or pollution.

Investment will be guided by Victorian government policies, including the *Environment Protection Act 1970*, the Statewide Waste and Resource Recovery Infrastructure Plan, Regional Waste and Resource Recovery Implementation Plans and associated regulations and waste management policies.

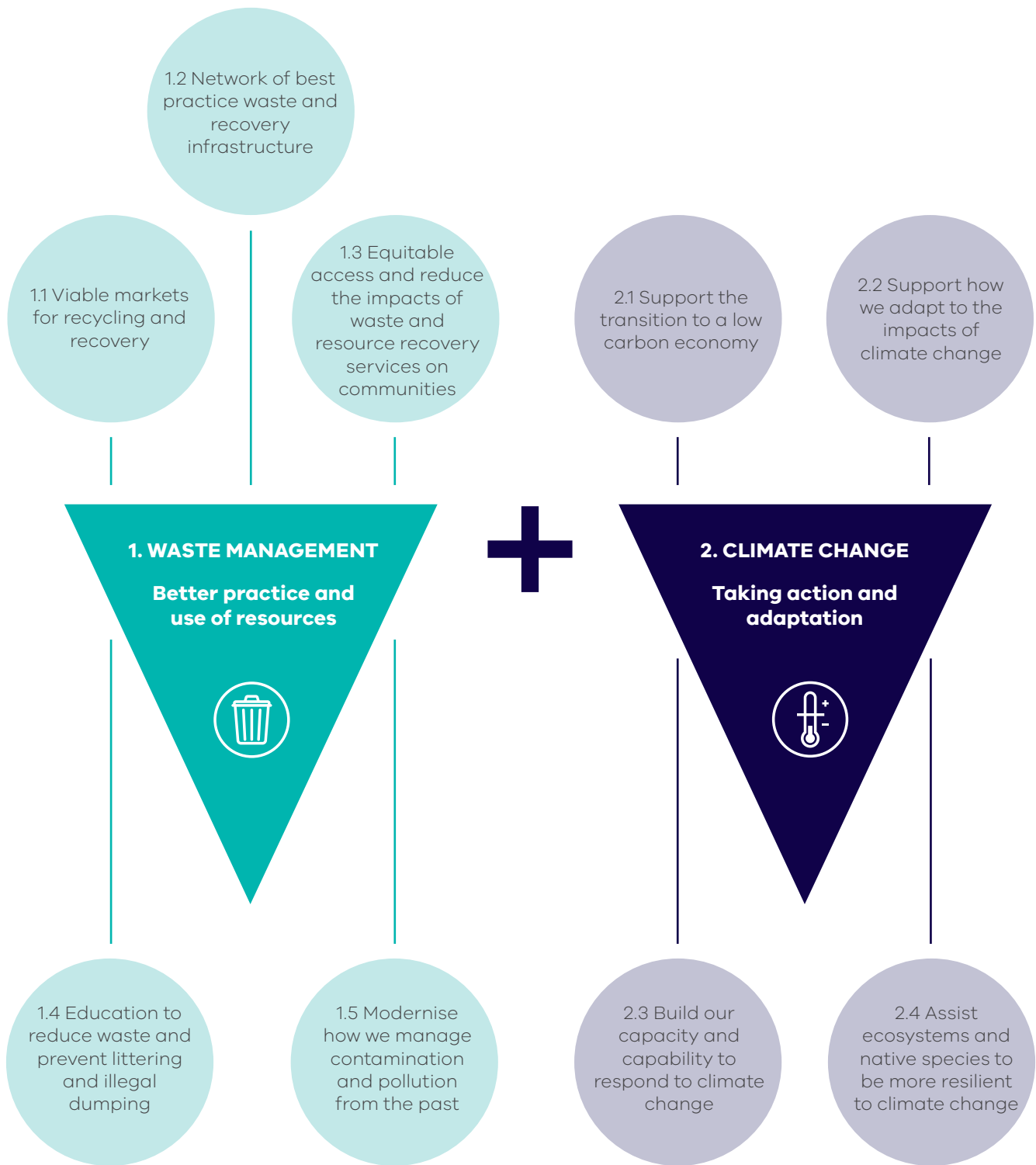
Fostering community action or innovation in relation to the reduction of greenhouse gas substance emissions [mitigation] or adaptation or adjustment to climate change in Victoria

Strategic priorities:

- supporting individuals, communities and industry to transition to a low carbon economy;
- supporting Victorians to adapt to the impacts of climate change, particularly those most vulnerable and least able to do so;
- building Victorian communities' capacity, capability and skills in responding to climate change; and
- assisting Victoria's ecosystems and native species to be more resilient to climate change and/or support mitigation outcomes.

Investment will be guided by Victorian government policies, including the *Climate Change Act 2017*, Victoria's Climate Change Framework, the Victorian Climate Change Adaptation Plan 2017-20, Energy Efficiency and Productivity Statement, Renewable Energy Action Plan, Biodiversity 2037 and associated regulations and waste management policies.

Figure 1: Priority Statement



SUPPORTING THE PRIORITY STATEMENT

The **Priority Statement** sets out the strategic priorities for the Sustainability Fund within the legislated areas of waste management, resource recovery, and climate change mitigation and adaptation. These priorities are based on the priorities of the Victorian Government.

Investment in these priorities is guided by relevant government policies and strategies, including but not limited to:

- the **Statewide Waste and Resource Recovery Infrastructure Plan**
- the **Regional Waste and Resource Recovery Implementation Plan**
- Victoria's **Climate Change Act 2017**
- **Victorian Climate Change Framework**
- **Victorian Climate Change Adaptation Plan 2017–20**
- **Energy Efficiency and Productivity Statement**
- **Energy Efficiency and Productivity Strategy**
- **Renewable Energy Action Plan**
- **Biodiversity 2037**.

Further information on the relationship between the fund's objectives, strategic priorities and commitments of the Victorian Government is at pages **14** to **17**.

The following chart illustrates how the fund has allocated its funds across its waste and climate change strategic priorities in 2018–19.

During the year, 26.0 per cent of projects invested in waste management and 69.3 per cent invested in climate change. Note that some funding addresses both waste and climate change strategic priorities.

Since 2015–16, the investment in waste management and climate change action and adaptation has increased significantly. This investment demonstrates the government's commitment to strengthening Victoria's waste and recycling industry and restoring Victoria as a leader in responding to the effects of climate change.

Sustainability Fund

Table 1: Actual investment by priority theme




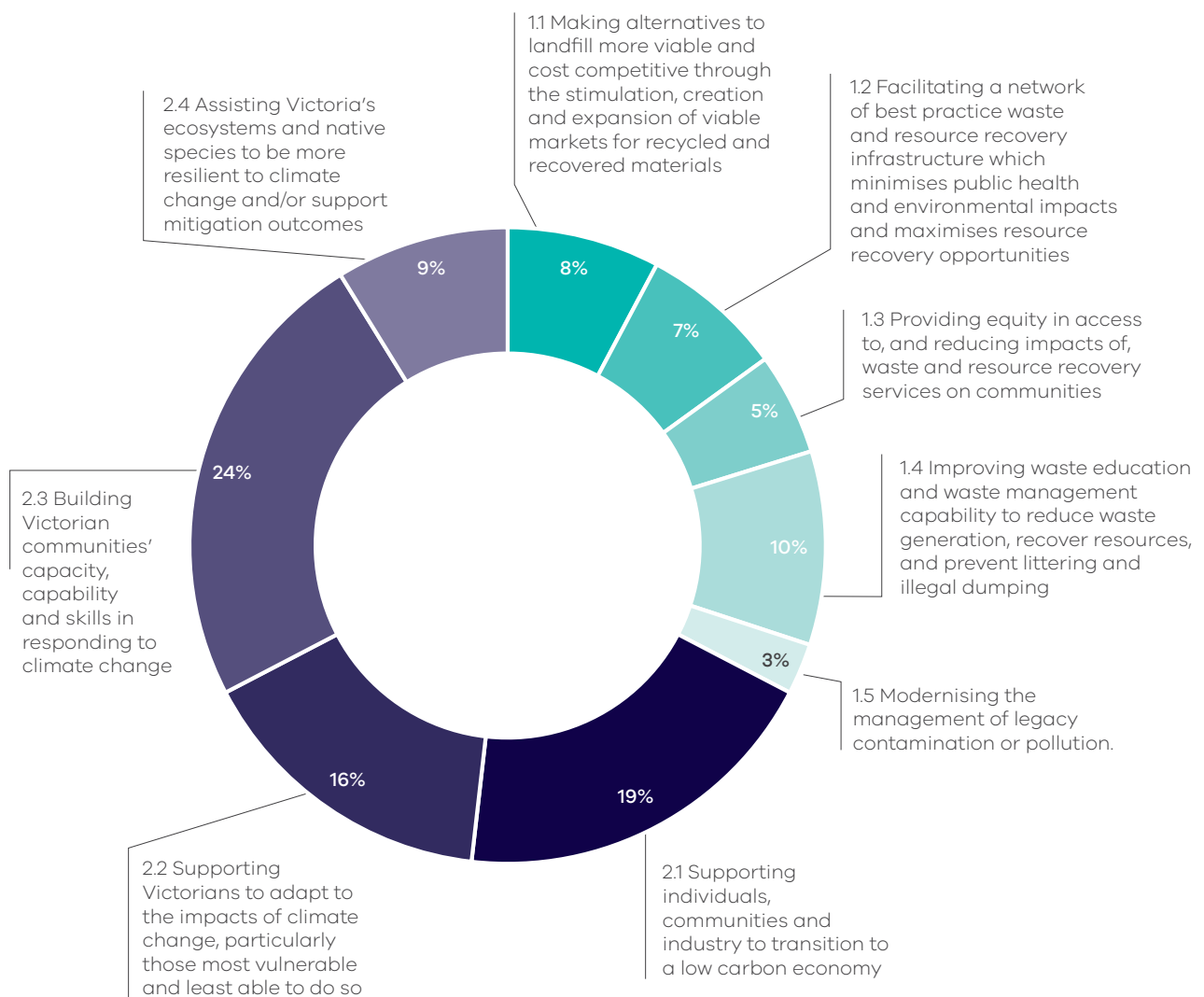
FUND OBJECTIVES		2015–16 (\$ million)	2016–17 (\$ million)	2017–18 (\$ million)	2018–19 (\$ million)
	Address both objectives	\$1.3	\$0.6	\$3.5	\$8.9
	Waste	\$11.0	\$13.4	\$34.8	\$50.4
	Climate change	\$10.5	\$38.0	\$116.3	\$134.3

Figure 2: Proportion of projects being funded in 2018–19 by strategic priority



CASE STUDY

COMMERCIAL TIPPERS

The construction of a new \$7 million indoor recycling shed and installation of state-of-the-art equipment at a facility in Dandenong will help reduce the volume of waste from the construction and demolition (C&D) and commercial and industrial (C&I) sectors going into landfill.

The move by Commercial Tippers Pty Ltd will expand and improve its materials-processing facility, increasing its capacity from 20,000 to 77,000 tonnes of waste a year. Commercial Tippers is now one of the State's largest recycling companies.

The additional 57,000 tonnes in annual processing capacity is a boon to Victoria's recycling sector.

The project, which was awarded funding under the Resource Recovery Infrastructure Fund (RRIF), is a prime example of the positive, cooperative relationship between Sustainability Victoria (SV) and private industry, which is helping lift the State's recycling performance.

Commercial Tippers has also developed an advanced, unique and profitable timber pallet recycling scheme, to complement its record in processing food and garden organic waste, and C&D and C&I materials.

In addition, the company is committed to best-practice environmental sustainability, with its site being powered 100 per cent by solar energy, including its forklifts.

In terms of social inclusion, Commercial Tippers invests heavily in the local community through the sponsorship and operation of a timber art exhibition and the funding of other local arts projects.

The RRIF aims to support the development of infrastructure that improves the collection, sorting and processing of recycled materials. The program seeks innovative projects that will increase jobs in the resource-recovery industry while also increasing the recovery of priority materials.

Legislative objective

This fund fosters environmentally sustainable uses of resources and best practices in waste management to advance the social and economic development of Victoria by providing investment in key infrastructure for waste and resource recovery to improve resource recovery rates.

This project is funded in part from the RRIF, which is funded by the Sustainability Fund. The RRIF received \$10.23 million in 2018–19 to support various projects.

MONITORING AND EVALUATION FRAMEWORK

The Monitoring and Evaluation Framework sets the basis for measuring outcomes of the Sustainability Fund.

About the framework

The Monitoring and Evaluation Framework outlines the approach to measuring the extent to which projects funded by the Sustainability Fund have achieved the legislative objectives of the fund.

The framework aims to:

- provide transparency and accountability for the use of the Sustainability Fund
- show achievement against the fund's legislated objectives
- support good decision-making within the fund
- contribute to broader learnings about initiatives related to sustainability in Victoria.

The framework is incorporated in recipients' funding agreements and enables the collection of appropriate data that aligns to the fund's legislated objectives. It was first introduced as a pilot in September 2018.

Initial work on the framework commenced in 2016. The final product addresses the Victorian Auditor-General's recommendation to evaluate outcomes of the fund, including its funded programs to measure the extent expenditure has contributed to the fund's objectives. See report section [Implementing the Victorian Auditor-General's recommendations](#) for further information on these recommendations.

The Sustainability Fund supports projects that contribute to delivering the Victorian Government's key waste and climate change commitments.

Progress towards a sustainable future

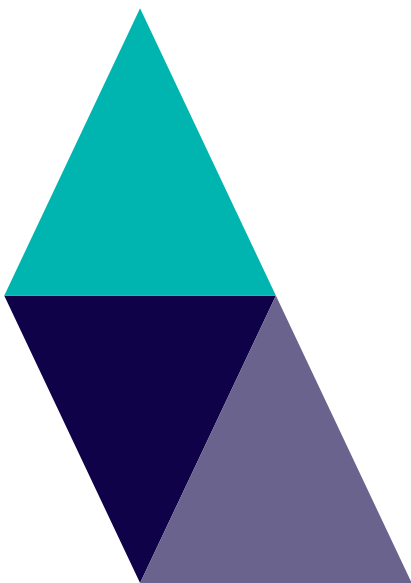
The Victorian Government aspires toward a stronger, fairer, better Victoria. This vision is underpinned by the government's commitment to the shared outcome of liveable, inclusive, sustainable communities and thriving natural environments.

A suite of government policies and actions relating to the environment and sustainability have been developed that will help realise this vision, including but not limited to:

- [Victorian Climate Change Framework](#)
- [Victorian Climate Change Adaptation Plan 2017–20](#)
- [Statewide Waste and Resource Recovery Infrastructure Plan](#)
- [Regional Waste and Resource Recovery Implementation Plans](#)
- [Energy Efficiency and Productivity Statement](#)
- [Energy Efficiency and Productivity Strategy](#)
- [Biodiversity 2037](#)
- [Renewable Energy Action Plan](#).

The Victorian Government is developing a circular economy policy and action plan for Victoria. In a circular economy people minimise waste and make the most of resources. Shifting to a more circular economy will grow the economy, increase jobs and reduce impacts on the environment. Once developed, outcomes under the framework may align to this policy. Further information on this policy can be found on DELWP's [website](#).

As the government's authorising agency for Victoria's natural and built environment, DELWP is responsible for implementing these policies and has set outcomes to ensure the government's commitments are met.



DELWP is also responsible for administering the Sustainability Fund as its objectives align to the government's commitment to a sustainable and thriving state.

The fund's objectives and priorities are legislated by the *Environment Protection Act 1970* and further defined in the **Sustainability Fund Priority Statement**. The fund supports some of the Victorian Government's key waste management and climate change initiatives.

The relationship between the commitments of the Victorian Government, DELWP and the fund's objectives and priorities is illustrated on page **16** to **17**.

Future directions

The current framework lays the foundation for monitoring and evaluation that can be built on over time. An initial focus is gaining consistency in reporting on key indicators. An area that is likely to be a focus in the future is the development of more sophisticated evaluation methods for reporting on higher order and longer-term outcomes.

This will allow for the effective monitoring and evaluating of the Sustainability Fund against its objectives to ensure that the measurement of outcomes remains relevant, useful and aligned to government policies and legislation.

Following the development of the framework over the past year, reporting requirements have been embedded within the Fund's project funding agreements where possible. This will allow DELWP and the Sustainability Fund Committee to monitor and report project level outcomes and the extent to which outcomes under the framework have been realised.

Further, findings from projects aligned to the framework with 2018–19 targets will inform a preliminary assessment of the framework. The aims of this assessment, where possible, are to:

- obtain appropriate data and information to produce valuable insights
- provide an initial indication of the extent to which outcomes and targets have been realised under the framework in 2018–19 (details of which are included in this report from page **19** to **21**, **23** to **26**)
- determine next steps for implementation
- facilitate continuous improvement
- inform strategic decision-making.

Following this assessment, DELWP and the Sustainability fund Committee are committed to ensuring the framework remains fit for purpose, incorporates lessons learnt and adapts to a changing futures landscape.

SUSTAINABILITY FUND OUTCOMES

The Monitoring and Evaluation Framework is structured around the fund's two legislative objectives to foster:

- environmentally sustainable uses of resources and best practices in waste management to advance the social and economic development of Victoria
- community action or innovation in relation to the reduction of greenhouse gas substance emissions or adaptation or adjustment to climate change in Victoria.

As outlined in the fund's **Priority Statement**, each legislative objective has strategic priorities to ensure government is investing Sustainability Fund monies in initiatives that align to the fund's objectives and position Victoria as a leader in resource recovery, waste management and climate change mitigation and adaptation.

Working with the Sustainability Fund Committee, DELWP has identified seven outcomes that aim to measure if the fund's projects are meeting these objectives and priorities. These outcomes are:

- best practice waste management
- encouraging economic development
- environmentally sustainable uses of resources
- facilitating social development
- improving community capacity to take action on climate change
- reducing greenhouse gas emissions
- adapting through biodiversity.

Indicators have been developed to measure the extent to which projects achieve these outcomes. These indicators communicate where funding needs to be invested to achieve outcomes and in turn achieve the fund's priorities and legislative objectives.

The following section details the outcomes described above, the broad measures of these outcomes (based on individual indicators) and project impacts in 2018–19 where possible.

Note: given this report covers only expenditure from the Sustainability Fund, these measures may reflect only a proportion of the total represented in Budget Paper No. 3, which references the same performance measure.

STATE OUTCOME

The Victorian Government aspires toward a stronger, fairer, better Victoria. This is underpinned by the government's commitment to the shared outcome of liveable, inclusive, sustainable communities and thriving natural environments.

DELWP OUTCOMES

Supporting Victoria's natural and built environment to ensure economic growth, and liveable, sustainable and inclusive communities that are resilient to the impacts of climate change.



Zero emission climate-ready economy and community



Healthy, resilient and biodiverse environment



Reliable, sustainable and affordable energy services



Productive and effective land management



Safe, sustainable and productive water resources



A quality built environment



Affordable and reliable access to jobs, services and infrastructure in Melbourne's suburbs




















































Sustainable and effective local governments



Reduced impact of major bushfire and other emergencies on people, property and the environment

Figure 3: Relationship between the Sustainability Fund, the framework's outcomes and DELWP's outcomes

		SUSTAINABILITY FUND OBJECTIVES AND PRIORITIES								
		1. WASTE MANAGEMENT OBJECTIVE					2. CLIMATE CHANGE OBJECTIVE			
		STRATEGIC PRIORITIES					STRATEGIC PRIORITIES			
		1.1	1.2	1.3	1.4	1.5	2.1	2.2	2.3	2.4
SUSTAINABILITY FUND OUTCOME AREAS	Best practice waste management	 	 							
	Encouraging economic development	 	 				 		 	
	Environmentally sustainable use of resources	 	 				 	 	 	
	Facilitating social development		 				 	 	 	
	Improve community capacity to take action on climate change						 	 	 	
	Reduce greenhouse gas emissions						 		 	
	Adapting through biodiversity									

1. WASTE MANAGEMENT**Better practice and use of resources**

- 1.1** Making alternatives to landfill more viable and cost competitive through the stimulation, creation and expansion of viable markets for recycled and recovered materials
- 1.2** Facilitating a network of best practice waste and resource recovery infrastructure which minimises public health and environmental impacts and maximises resource recovery opportunities
- 1.3** Providing equity in access to, and reducing impacts of, waste and resource recovery services on communities
- 1.4** Improving waste education and waste management capability to reduce waste generation, recover resources, and prevent littering and illegal dumping

- 1.5** Modernising the management of legacy contamination or pollution

2. CLIMATE CHANGE**Taking action and adaptation**

- 2.1** Supporting individuals, communities and industry to transition to a low carbon economy
- 2.2** Supporting Victorians to adapt to the impacts of climate change, particularly those most vulnerable and least able to do so
- 2.3** Building Victorian communities' capacity, capability and skills in responding to climate change
- 2.4** Assisting Victoria's ecosystems and native species to be more resilient to climate change and/or support mitigation outcomes

Figure 4: Relationship between the framework and government's key waste and climate change policies

SUSTAINABILITY FUND OUTCOME AREAS		GOVERNMENT'S KEY POLICIES				LINKAGES TO SUSTAINABILITY FUND BROAD MEASURES (BASED ON INDICATORS)
		1	2	3	4	
	Best practice waste management	1	2	3	4	
	Encouraging economic development	1	2	3	5	
		6	7	8	9	
	Environmentally sustainable use of resources	1	2	7	8	
		4	9			
	Facilitating social development	1	2	3	5	
		6	7	8	9	
	Improve community capacity to take action on climate change	5	6	8	9	
	Reduce greenhouse gas emissions	5	6	7	8	
		9				
	Adapting through biodiversity	10				

KEY WASTE POLICIES	
1	Statewide Waste and Resource Recovery Infrastructure Plan
2	Regional Waste and Resource Recovery Implementation Plans
3	Waste Management Policy
4	Victorian Market Development for Recovered Resources Strategy

KEY CLIMATE CHANGE POLICIES	
5	Victorian Climate Change Framework
6	Victorian Climate Change Adaptation Plan 2017–20
7	Energy Efficiency and Productivity Statement
8	Energy Efficiency and Productivity Strategy
9	Renewable Energy Action Plan
10	Protecting Victoria's Environment – Biodiversity 2037



CASE STUDY

ENERGY STORAGE INITIATIVE

Victoria's electrical system has become more reliable, secure and resilient with the successful introduction of two large-scale lithium ion batteries into the north-west branch of the State's electricity grid.

The move has enhanced system security, resilience and reliability, especially in peak demand periods, and came out of the Energy Storage Initiative (ESI).

The program, which started in June 2017, supported energy storage technologies and projects to improve the reliability of the Victorian electrical system, drive the development of clean technologies, and boost the local economy.

The ESI also increased knowledge in the Victorian and broader Australian market on the design, construction and implementation of large energy storage projects, as well as the operation of large energy storage assets in the Australian electricity market. Before this project, there were no large-scale batteries operating in the Victorian market.

The program commenced in June 2017 and was completed in June 2019.

One of the large-scale lithium ion batteries is located at a key grid intersection point (Ballarat), with the second installed 'behind the meter' with a 50-megawatt solar farm at Gannawarra, in the northern part of Victoria. The Gannawarra Energy Storage System is the largest integrated battery and solar farm in Australia.

Both batteries were operational over the 2018–19 summer. During a heatwave in late January 2019, the two battery storage projects supported the grid when the electricity supply was constrained.

The battery storage projects deployed through the ESI are the largest battery storage solutions in Victoria and demonstrate the potential to increase generation from renewable energy sources, particularly in constrained network areas, contributing to the reduction of greenhouse gas emissions. These projects also demonstrate the ways in which large-scale storage can support the transition towards a distributed generation network.

More information about large-scale batteries can be found in the DELWP large-scale battery storage [information sheet](#).

Legislative objective

The initiative fosters community action or innovation in relation to the reduction of greenhouse gas substance emissions or adaptation or adjustment to climate change in Victoria by reducing greenhouse gas emissions through the increased use of renewable energy.

This project is funded in full from the Sustainability Fund and received \$4.00 million in 2018–19.

1.1

1.2

1.3

1.4

1.5

Outcome: best practice waste management

Part of the fund's waste objective is to foster best practices in waste management in Victoria. All of the fund's waste strategic priorities direct government's investment towards projects that achieve this. These priorities are:

- 1.1 Making alternatives to landfill more viable and cost competitive through the stimulation, creation and expansion of viable markets for recycled and recovered materials
- 1.2 Facilitating a network of best practice waste and resource recovery infrastructure which minimises public health and environmental impacts and maximises resource recovery opportunities
- 1.3 Providing equity in access to, and reducing impacts of, waste and resource recovery services on communities
- 1.4 Improving waste education and waste management capability to reduce waste generation, recover resources, and prevent littering and illegal dumping
- 1.5 Modernising the management of legacy contamination or pollution

Refer to **Figure 3** on **page 16** to see how the fund's objectives and priorities link to the framework's outcomes.

The waste and resource recovery system provides an essential service to manage Victoria's waste and material streams. Without proper management, waste can cause a range of issues that may affect the community and the environment, such as odour, dust, noise, leachate (which can contaminate groundwater and soil) and greenhouse gases.

Refer to **Figure 4** on **page 17** to see the Government's policies to ensure an efficient and effective waste and resource recovery system that operates to best practice standards.

Broad measures (based on the framework's indicators)

The Sustainability Fund is working towards achieving best practice in waste management by investing in initiatives that at a minimum:

- reduce or avoid waste going to landfill
- increase in the number of organisations implementing improved policies/standards/practices.

SUSTAINABILITY FUND IMPACTS IN 2018–19

Below are some results emerging from projects that are aligned to this outcome:



184,959

tonnes of waste avoided going to landfill in 2018–19.



53

e-waste collection services upgraded in 2018–19.

1.1

1.2

2.1

2.3

Outcome: encouraging economic development

For projects to satisfy the fund's objectives, they need to advance the economic development of Victoria. The fund has two waste and two climate change strategic priorities that direct government's investment specifically towards this requirement:

1.1 Making alternatives to landfill more viable and cost competitive through the stimulation, creation and expansion of viable markets for recycled and recovered materials

1.2 Facilitating a network of best practice waste and resource recovery infrastructure which minimises public health and environmental impacts and maximises resource recovery opportunities

2.1 Supporting individuals, communities and industry to transition to a low carbon economy

2.2 Supporting Victorians to adapt to the impacts of climate change, particularly those most vulnerable and least able to do so

Refer to **Figure 3** on **page 16** to see how the fund's objectives and priorities link to the framework's outcomes.

The Victorian Government supports environmental projects that also create jobs and promote economic development. Improving the way our waste and resource recovery system operates, by attracting new investment and creating markets for recycled and recovered materials, our industries become stronger, jobs are created and our reliance on landfills is reduced.

In addition, transiting to a low carbon economy can also support economic development and employment growth. Increasing the energy efficiency of Victorian businesses will boost their competitiveness in the national and global market, opening up new opportunities and attracting investment. Supporting energy efficiency can also create jobs, for example the creation of energy efficiency products, such as solar hot water, glass and insulation can increase the number of manufacturing jobs in Victoria.

Extreme weather, drought and changes in climatic conditions over time can result in significant costs not only to the environment, but to individuals and the economy. For example, climate change could reduce the productivity of Victoria's manufacturing, services and agricultural sectors, negatively affect Victoria's tourism sector, as well as damage transport and other infrastructure. Supporting Victorians to adapt to the risks of climate change now can substantially lessen future cost burdens on

government, taxpayers, businesses and the community, as well as creating new economic opportunities and jobs in the process.

Refer to **Figure 4** on **page 17** to see the Government's policies relating to Victoria's waste and resource recovery systems and climate change that promote economic development.

Broad measures (based on the framework's indicators)

The fund is promoting economic development by investing in initiatives that:

- increase employment
- leverage investment and support
- increase or enhance the number and value of markets for recovered materials
- result in savings for households and organisations.

SUSTAINABILITY FUND IMPACTS IN 2018–19

Below are some results emerging from projects that are aligned to this outcome:



\$2,099,204

saved by businesses in Victoria,
including small to medium sized businesses.
Savings were achieved by improving energy
and materials efficiency, and reusing or
avoiding waste.



**6
new
markets**

**created or enhanced for recovered
materials.**

These markets include flexible plastics, glass
fines, organic material, tyres and e-waste.

300+

**additional jobs
supported in 2018–19.**

1.1

1.2

1.3

1.4

2.1

2.2

2.3

Outcome: environmentally sustainable uses of resources

Part of the fund's waste objective is to foster the environmentally sustainable uses of resources. All of the fund's waste strategic priorities direct government's investment towards projects that achieve this:

- 1.1 Making alternatives to landfill more viable and cost competitive through the stimulation, creation and expansion of viable markets for recycled and recovered materials
- 1.2 Facilitating a network of best practice waste and resource recovery infrastructure which minimises public health and environmental impacts and maximises resource recovery opportunities
- 1.3 Providing equity in access to, and reducing impacts of, waste and resource recovery services on communities
- 1.4 Improving waste education and waste management capability to reduce waste generation, recover resources, and prevent littering and illegal dumping
- 1.5 Modernising the management of legacy contamination or pollution

Some climate change projects also foster the sustainable use of resources, for example renewable energy projects. Therefore, the following climate change strategic priorities also support this objective:

- 2.1 Supporting individuals, communities and industry to transition to a low carbon economy
- 2.2 Supporting Victorians to adapt to the impacts of climate change, particularly those most vulnerable and least able to do so
- 2.3 Building Victorian communities' capacity, capability and skills in responding to climate change

Refer to **Figure 3** on **page 16** to see how the fund's objectives and priorities link to the framework's outcomes.

Our waste contains valuable materials, which are used in roads, buildings and in the manufacturing of new products and packaging. Increasing the recovery of waste will not only protect our environment and reduce our reliance on landfills, it builds an economy that is circular. This is where materials, energy and other resources are recycled and used productively for as long as possible to retain value, maximise productivity, minimise greenhouse gas emissions, and reduce waste and pollution.

In addition, the sustainable use of energy resources, such as solar and energy efficient appliances will not only reduce our greenhouse gases, but it will help build a more productive, efficient and circular economy, including more affordable, secure and reliable energy, and creating jobs for Victorians.

Refer to **Figure 4** on **page 17** to see the Government's policies that support the sustainable use of resources and the industries and projects that help facilitate it.

Broad measures (based on the framework's indicators)

The fund is fostering the environmentally sustainable uses of resources by investing in initiatives that:

- reduce the use of water, electricity, gas and materials
- increase generation of renewable electricity and energy and solar
- increase materials recycled/recovered
- increase the number of individuals adopting positive environmental action
- increase research and information, as well as the number of ways to access information
- increase energy efficiency audits/assessments.

SUSTAINABILITY FUND IMPACTS IN 2018–19

Below are some results emerging from projects that are aligned to this outcome:



9,084,748

**kilowatt hours per year of electricity
reduced from schools in Victoria.**

2,697

**energy efficiency audits and
assessments performed on households,
including vulnerable households, public
buildings and local governments.**



CASE STUDY

ENERGYSMART PUBLIC HOUSING PROGRAM

The replacement of inefficient electric heaters and electric water heaters in Victoria's public housing is under way, along with tailored upgrades.

The EnergySmart program is part of Home Energy Assist and has so far completed more than 800 appliance upgrades amid a range of measures to assist residents save money on energy bills and improve environmental outcomes.

Tenants of public and social housing are among those on lowest incomes and, as such, the cost of energy utility bills can be a significant cause of hardship. Additionally, a significant proportion of public housing tenants are elderly, disabled or have health conditions that may make them more vulnerable to extremes of temperature.

The objectives of Home Energy Assist are to:

- track changes in greenhouse gas emissions arising from public housing
- support climate change adaptation in public housing
- inform future design, engagement and purchasing decisions for the Department of Health and Human Services' property portfolio
- deliver savings in energy costs and improvements in thermal comfort for public housing tenants
- inform government decision-making regarding the inclusion of energy efficiency measures in the upgrade and maintenance of public housing
- contribute to the knowledge regarding the current energy efficiency of the state's public housing stock
- contribute to the knowledge regarding the benefits of improved thermal comfort for public housing tenants.



The EnergySmart program has completed the engagement phase with 1500 low-rise public housing dwellings recruited across Victoria, with more than two-thirds of those in the country.

The engagement process includes a survey of the tenant, consent to give access to distributor energy data, and allocation to a research intervention group according to the attributes of the dwelling.

The program is now about 75 per cent of the way through the intervention phase with appliance upgrades completed including reverse-cycle systems and new heat pump hot water systems.

In addition, 200 dwellings have received energy behaviour and tariff support, and selected dwellings in each research group have had thermometers and humidity sensors installed.

The program is researching energy efficient and low-carbon appliances and thermal shell upgrades in public housing. The evidence from this research can inform future energy cost savings, thermal comfort and greenhouse gas emissions mitigation policy in public housing.

Legislative objective

This program fosters community action or innovation in relation to the reduction of greenhouse gas substance emissions or adaptation or adjustment to climate change in Victoria by replacing and upgrading inefficient appliances, reducing electricity consumption and associated greenhouse gas emissions.

This program is funded in full from the Sustainability Fund and received \$1.18 million in 2018–19.

1.2

1.3

1.4

2.1

2.2

2.3

Outcome: facilitating social development

For projects to satisfy the fund's objectives, they also need to advance the social development of Victoria. The fund has three waste and three climate change strategic priorities that direct government's investment specifically towards this requirement:

1.1 Making alternatives to landfill more viable and cost competitive through the stimulation, creation and expansion of viable markets for recycled and recovered materials

1.2 Facilitating a network of best practice waste and resource recovery infrastructure which minimises public health and environmental impacts and maximises resource recovery opportunities

1.3 Providing equity in access to, and reducing impacts of, waste and resource recovery services on communities

2.1 Supporting individuals, communities and industry to transition to a low carbon economy

2.2 Supporting Victorians to adapt to the impacts of climate change, particularly those most vulnerable and least able to do so

2.3 Building Victorian communities' capacity, capability and skills in responding to climate change

Refer to **Figure 3** on **page 16** to see how the fund's objectives and priorities link to the framework's outcomes.

The Victorian Government supports environmental projects that reduce our impact on the natural environment and facilitate social development. This includes projects that improve the wellbeing of Victorians. Investing in projects aimed at the prevention of waste and improving resource recovery systems will help protect the community from harmful effects, such as air pollution and land contamination, making Victoria a safe and healthy place to live.

As discussed above, improving our waste and resource recovery system and transiting to a low carbon economy creates job opportunities for Victorians, ensuring prosperity for our economy, communities and way of living. This includes ensuring that low income and vulnerable Victorians have access to efficient and affordable energy resources that improve comfort and health.

In addition, investing in projects that educate Victorians about the impacts and risks of climate change and empowering them to adapt, especially those most vulnerable, helps people and organisations work together to achieve a resilient,

healthy place to work and live for all Victorians, and for the visitors we welcome each year.

Refer to **Figure 4** on **page 17** to see the Government's policies that relate to waste and resource recovery systems and climate change that facilitate social development.

Broad measures (based on the framework's indicators)

The fund is promoting social development by investing in initiatives that increase the number of:

- households, including vulnerable households, and organisations assisted
- people attending training or receiving support
- people exposed to messaging/information
- new partnerships formed to deliver projects.

SUSTAINABILITY FUND IMPACTS IN 2018–19

Below are some results emerging from projects that are aligned to this outcome:



2,752

households and organisations assisted,
including vulnerable households, through
energy efficiency education, compliance and
upgrades.

154

partnerships and collaborations formed,
predominantly through:

the Waste and Resource Recovery Groups and
councils across Victoria to improve waste and
resource recovery management; and energy
industry stakeholders to help consumers
manage their energy consumption and costs.

1,323,710

**Victorians exposed to messaging/
information on sustainability, waste and
climate change through various media
channels.**

2.1

2.3

Outcome: reduce greenhouse gas emissions

Another part of the fund's climate change objective is to foster action or innovation in relation to the reduction of greenhouse gas emissions. The fund has two strategic priorities that direct government's investment to meet this objective:

2.1 Supporting individuals, communities and industry to transition to a low carbon economy

2.3 Building Victorian communities' capacity, capability and skills in responding to climate change

Refer to **Figure 3** on **page 16** to see how the fund's objectives and priorities link to the framework's outcomes.

The Victorian Government is committed to taking action on the impacts of climate change, including

reducing greenhouse gas emissions. Reducing these emissions will help to keep the global temperature increase below 2°C above pre-industrial levels and a safer climate outcome. The government legislated for net-zero emissions through the *Climate Change Act 2017*, which came into effect on 1 November 2017. The Act requires the government to set five-year interim greenhouse gas emissions reduction targets, starting in 2021, that sets Victoria on a pathway to net-zero greenhouse gas emissions by 2050.

To help achieve this target, Victoria will reduce emissions while maintaining economic prosperity by:

- increasing energy efficiency and productivity across the economy, including in homes, offices, industry and transport
- moving to a clean electricity supply by increasing renewable energy generation
- electrifying the economy and switch to clean fuels

by increasing the use of electricity to power our homes, cars and public transport and using biofuels and gas in freight, air travel and industry

- reducing non-energy emissions and increase carbon storage through industrial processes improvements and improving carbon storage in trees, plants and soil.

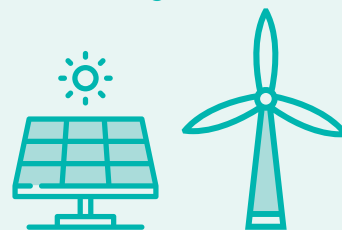
Refer to **Figure 4** on **page 17** to see the Government's policies to reduce greenhouse gas emissions and transition to net zero emissions.

Broad measures (based on the framework's indicators)

The Sustainability Fund is supporting biodiversity to adapt to the impacts of climate change by investing in projects that avoid or reduce the level of greenhouse gases emitted into the atmosphere.

SUSTAINABILITY FUND IMPACTS IN 2018–19

Below are some results emerging from projects that are aligned to this outcome:



389,000,000

kilowatt hours of renewable
energy generated.

2.1 2.2 2.3 2.4

Outcome: improve community capacity to take action on climate change

Part of the fund's climate change objective is to foster adaptation or adjustment to climate change in Victoria. All of the fund's climate change strategic priorities direct government's investment towards projects that achieve this:

2.1 Supporting individuals, communities and industry to transition to a low carbon economy

2.2 Supporting Victorians to adapt to the impacts of climate change, particularly those most vulnerable and least able to do so

2.3 Building Victorian communities' capacity, capability and skills in responding to climate change

2.4 Assist Victoria's ecosystems and native species to be more resilient to climate change and/or support mitigation outcomes

Refer to **Figure 3** on **page 16** to see how the fund's objectives and priorities link to the framework's outcomes.

While reducing greenhouse gas emissions will help combat climate change, it will not prevent it – there will still be unavoidable impacts of climate change. For communities to best respond to these impacts, they need to be resilient, able to adapt to changing conditions and connected.

The government is committed to supporting Victorian communities, especially vulnerable communities, prepare for a changing climate, manage the risks of climate change and understand how they can take action by:

- increasing knowledge and understanding of climate change impacts
- building adaptive capacity and resilience to ongoing climate change, for example through the provision of data, information and guidance
- ensuring that government decision-making accounts for climate change impacts and adaptation needs
- growing the connectivity between businesses, local government and community groups, so there is more collaboration for more effective adaptation responses.

Refer to **Figure 4** on **page 17** to see the Government's policies to help Victorians understand the challenges of climate change, manage the risks and take action.

Broad measures (based on the framework's indicators)

The fund is working towards improving communities' capacity to take action on climate change by investing in initiatives that increase the number of:

- organisations adopting positive environmental action
- community members participating in climate and sustainability-related initiatives
- education/information sessions and products
- ways to access information
- research projects.

SUSTAINABILITY FUND IMPACTS IN 2018–19

Below are some results emerging from projects that are aligned to this outcome:



10,500

community members participated in activities to help protect Victoria's coasts.



784

schools adopted positive environmental action such as reducing electricity usage, using renewable energy, reducing water usage and waste, and diverting waste from landfill.

2.4

Outcome: adapting through biodiversity

The Sustainability Fund supports projects that assist Victoria's biodiversity adapt to the impacts of climate change and help mitigate its decline driven by climate change. The fund has a specific strategic priority to ensure government invests in projects that meet this objective:

2.4 Assist Victoria's ecosystems and native species to be more resilient to climate change and/or support mitigation outcomes

Refer to **Figure 3** on **page 16** to see how the fund's objectives and priorities link to the framework's outcomes.

Biodiversity includes all components of the living world: the number and variety of native plants, animals and other living things across our land, rivers, coast, and ocean. Our natural environment is fundamental to the health and wellbeing of every Victorian. It provides clean air and water, productive soils, natural pest control, pollination, flood mitigation and carbon sequestration – and supports productive activities that underpin our state's liveability and economic advantage.

Victoria's biodiversity is in decline. Many native plant and animal species are at risk from a range of pressures, including the impacts of climate change. The decline of our biodiversity also impacts the future health, wellbeing and prosperity of all Victorian communities as well as the economy.

Refer to **Figure 4** on **page 17** to see the Government's plan to protect Victoria's natural environment and ensure it is positioned to cope with the effects of climate change.

Broad measures (based on the framework's indicators)

The Sustainability Fund is supporting biodiversity to adapt to the impacts of climate change by investing in projects that:

- increase and improve the area and quality of protected habitats
- improve management of invasive and threatened species.

**SUSTAINABILITY FUND
IMPACTS IN 2018–19**

Below are some results emerging from projects that are aligned to this outcome:



44,634

plants planted across Victoria.



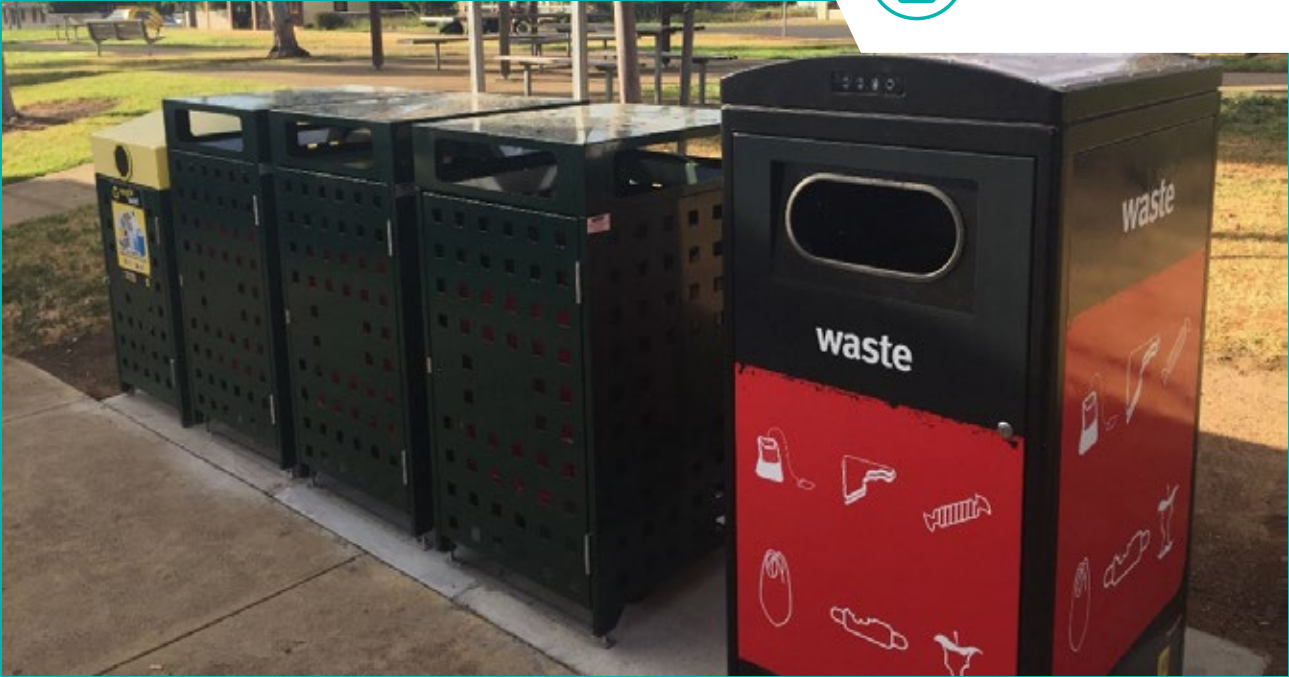
11,223

**hectares of land protected
under voluntary agreements.**



376

**hectares of threatened
habitat protected.**



CASE STUDY

KEEPING LITTER OFF LISMORE HIGH STREET

New solar-powered street-side bin banks are making a difference in the Western District town of Lismore, where an increase in traffic had brought an increase in litter in recent years, including many single-use plastic items commonly associated with car travel.

The old community rubbish bins would often overflow, if they were used at all.

And the community did not like the flow-on effects – litter in the streets, scavenging vermin and waste blowing into the nearby river.

But a grant from the Litter and Illegal Dumping program allowed Corangamite Shire Council to trial two new banks of bins, each with a 240-litre solar compactor, three normal 240-litre bins and a commingled recycling bin. Signs were put up encouraging visitors to 'Do the right thing, use the right bin'.

The solar-powered compactor bins can take up to seven times as much litter as normal street bins, so more litter can be collected without increasing the number of bins or collection services. The bins are also designed to keep pests out and waste in, so it doesn't spill and get blown around.

To educate the community about littering and get people on board with the new bins, the council invited residents and local businesses to participate in the project, helping to inform the council about the best location for the bin banks.

This involvement empowered the community, and the local service station ended up replacing plastic

straws with paper ones. Another business approached the council for more bins to be placed on the shopping side of the roadway.

Since the installation of the new bin banks, the council has reported less litter in the area, particularly larger items.

To help neighbouring Derrinallum address their litter concerns, the council passed on the two 120-litre solar compactor bins that they trialed before installing the bin banks.

Legislative objective

This project fosters the environmentally sustainable use of resources and best practices in waste management to advance the social and economic development of Victoria by engaging Victorians to contribute to litter prevention and management activities, and empowering the community to act to improve the environment and encouraging the efficient use of resources by directing litter to the waste and resource recovery sector.

This project is funded in full from the Victorian Litter Plan, which is funded by the Sustainability Fund. The Victorian Litter Plan received \$0.10 million in 2018–19 to support various projects.



Gormandale solar installation

CASE STUDY

SOLAR ON PUBLIC BUILDINGS

A program is bringing free power to Latrobe Valley volunteer organisations.

The Solar on Public Buildings project has installed solar energy systems on 40 public buildings in the Latrobe Valley, as a means of reducing emissions at a local level as well as providing financial sustainability for volunteer committees of management through power bill savings. The approach itself is more sustainable, allowing groups to be more financially independent as opposed to relying on government grants.

The original plan was to fit out 30 Crown land buildings. However, that later grew to 60.

The project also aims to:

- foster education and awareness on renewable energy
- increase energy security for the Latrobe Valley community by reducing load on the grid
- provide employment and training opportunities in the renewable energy sector for people living in the Latrobe Valley region, particularly those directly affected by the closure of the Hazelwood coal mine.

So far, a total of 480 kilowatts of capacity has been installed on buildings, resulting in expected energy bill savings of more than 50 per cent. It is estimated that some recreation reserves will save up to \$5000 a year as a result.

It is anticipated that the savings will contribute to facility upgrades, maintenance programs and improving the use of facilities for the benefit of the local community.

The solar installations allowed for many electrical upgrades to be delivered on old, unsafe and redundant electrical systems to make them safe and compliant with current standards, with further energy efficiency opportunities realised. For example, adjusting hot water systems to heat during peak solar periods will save committees large sums on water heating costs.

Analytical system monitoring has also been installed at each site to monitor usage and generation in real time to inform committees and DELWP of system performance. These systems also enable committees to manage usage patterns to capitalise on peak solar generation.

An additional benefit of the project has been employment opportunities made available through local solar installation companies. Three local enterprises were appointed to complete all installations.

You can check out this [video](#) to see how community groups in Toongabbie are reaping the benefits of DELWP's Solar on Public Buildings Program.



The Minister of Energy, Environment and Climate Change at the Old Gippsland Solar Installation

Legislative objective

This program fosters community action or innovation in relation to the reduction of greenhouse gas substance emissions or adaptation or adjustment to climate change in Victoria by:

- providing immediate benefits to the community through installation of solar PV infrastructure on buildings that house community groups with limited resources, enabling them to benefit from reductions in energy bills as well as help them transition to a low carbon economy
- improving the long-term sustainability of community assets by enabling committees of management to redirect energy savings into maintenance of their facilities
- undertaking energy audits on community buildings to educate users about more efficient ways to manage energy use
- increasing the uptake of solar PV in the Latrobe Valley to enhance regional energy security.

This project is funded in full from the Sustainability Fund and received \$0.86 million in 2018–19.

So far, a total of 480 kilowatts of capacity has been installed on buildings, resulting in expected energy bill savings of more than 50 per cent. It is estimated that some recreation reserves will save up to \$5000 a year as a result.

IMPLEMENTING THE VICTORIAN AUDITOR-GENERAL'S RECOMMENDATIONS

The Victorian Auditor-General conducted a performance audit report into managing the **Municipal and Industrial Landfill Levy** in 2017–18. The report was tabled in Parliament on 25 July 2018.

The **2017–18 Activities Report** detailed DELWP's response to the audit's recommendations, identifying the timeline in which recommendations will be implemented (as of 25 July 2018).

At the time of publication, DELWP and the Sustainability Fund Committee have successfully implemented 10 recommendations and remain committed to implementing the remaining four. Below is DELWP's published management response, identifying how the recommendations have been implemented.



Table 2: DELWP's management response to the Victorian Auditor-General's recommendations

Recommendations	Agreed Action	Status
Recommendation 1 Assess alignment with the legislative purpose and establish a financial acquittal process for distributions made under section 70E(3)(d)	DELWP accepts this recommendation DELWP has extended the financial acquittal process in place for crown land managers to all funding recipients of distributions made under section 70E(3)(d).	Implemented
Recommendation 2 Establish an independent committee to manage inherent conflicts of interest while maintaining access to subject-matter expertise	DELWP accepts this recommendation DELWP supports the replacement of the two DELWP Committee members with independent members and to make available relevant senior executives for advice on funding proposals.	In progress
Recommendation 3 Review the role of the Sustainability Fund Committee and Sustainability Fund Team <ul style="list-style-type: none"> • revise and update the committee's terms of reference (role and responsibilities, memberships, managing conflicts of interest, +/- KPIs, rules for decision-making) • clarify the role of the team and the committee in the oversight of project delivery 	DELWP accepts this recommendation DELWP will review the Terms of Reference for the committee and clearly document the role of the team and the funding recipient in relation to project delivery.	In progress
Recommendation 4 Develop clear guidance regarding the treatment of the following: <ul style="list-style-type: none"> • applications seeking core administrative costs • eligibility of applications seeking on-going funding 	DELWP accepts this recommendation DELWP will develop guidance on the treatment of core administrative costs and ongoing funding.	In progress
Recommendation 5 Establish processes to ensure all proposals seeking funding from the Sustainability Fund are assessed by the Sustainability Fund Committee before approval by the Minister and Premier	DELWP accepts this recommendation DELWP implemented a process for the 2018-19 Budget to ensure proposals were considered by the committee before the Minister and Premier. This process has also been embedded in broader government decision-making processes and steps are being taken to strengthen this process for 2019-20.	In progress
Recommendation 6 Review the evaluation criteria applied to assessing proposals to clearly reflect the requirements specified in the legislation, Priority Statement and Guidelines	DELWP accepts this recommendation DELWP considers that all requirements are being consistently assessed. To avoid any doubt, the assessment process (template) has been updated to demonstrate clear alignment to the criteria set out in legislation, the Priority Statement and Guidelines.	Implemented

Recommendations	Agreed Action	Status
Recommendation 7 Improve the quality of advice provided to the minister by providing the assessment against each evaluation criteria	DELWP accepts this recommendation DELWP considers that all requirements are being provided to the Minister. To avoid any doubt, the advice format (template) has been updated to demonstrate clear alignment to the criteria set out in legislation, the Priority Statement and Guidelines.	Implemented
Recommendation 8 Relate the number of funding agreement milestones to the value and/or complexity of funded programs and link payment milestones to reporting requirements to minimise administrative burden	DELWP accepts this recommendation In developing funding agreements, DELWP has and will continue to meet with funding recipients to clarify milestones that are proportionate to the value and/or complexity of funded programs/projects.	Implemented
Recommendation 9 Examine mechanisms to encourage the earlier development of project plans for approved programs	DELWP accepts this recommendation The project plan development process has been reviewed with all DELWP plans for the 2018-19 budget process now in place. Project plans for any new programs will be established within 60 days of approval.	Implemented
Recommendation 10 Require funding recipients to provide key categories of expenditure in support of the financial acquittal of funding agreements to enable the team to review whether the funds have been used for the purpose intended	DELWP accepts this recommendation All new funding agreements are to contain specific requirements to ensure appropriate financial acquittal processes are in place, and where appropriate include categories of expenditure.	Implemented
Recommendation 11 Implement the evaluation framework to evaluate outcomes of funded programs to clearly demonstrate the extent to which programs have contributed to the specified legislative objective	DELWP accepts this recommendation DELWP will document the process for capturing program outcomes that contribute to legislative objectives in the Activity Report. The Activity Report details the fund's investments and is designed to provide information on the scope of work taking place to support waste reduction, climate adaptation and mitigation, as well as the role the fund plays in contributing to employment, new technology, innovation and resource efficiency. The evaluation framework, currently under development will inform the content of the Activity Report.	Implemented

Recommendations	Agreed Action	Status
Recommendation 12 Identify overall Sustainability Fund outcomes to measure the extent to which expenditure has successfully delivered legislative objectives	DELWP accepts this recommendation See Recommendation 11.	Implemented
Recommendation 13 Develop a formal process to consistently apply lessons learned including: <ul style="list-style-type: none"> capturing and storing them centrally to enable them to be considered by the committee when assessing proposals sharing them with agencies to enable them to be considered when developing new program proposals 	DELWP accepts this recommendation DELWP has established a central database to capture lessons learned.	Implemented
Recommendation 14 Publish an annual public report for 2018–19 and future years detailing the activities of the Sustainability Fund and outcomes achieved	DELWP accepts this recommendation See Recommendation 11.	Implemented



CASE STUDY

THE ECONOMIC IMPACT OF HEATWAVES ON VICTORIA

A 2018 study into the impact of heatwaves on Victoria found heatwaves are becoming more frequent, leading to consequences across the economy.

The study, involving a range of stakeholders, was conducted as part of the Communicating Climate Change Science and Impacts program and was designed to identify areas (geographical or sectoral) of high vulnerability, and to provide an evidence base to reduce risks and adapt to extreme heat.

The **vulnerability assessment** found that:

- severe heatwaves occur every two years in Victoria at an annual cost of \$66 million, and are projected to occur annually within 15 years
- the impact of heatwaves is not evenly distributed across the state. The Mallee region, with a high economic dependency on the agriculture sector, is 10 times more vulnerable than Melbourne to severe heatwave
- the agriculture, construction, health, electricity and environment sectors need to take rapid steps to adapt to heatwaves, as they currently each face impacts greater than \$20 million.

The aims of the Communicating Climate Change Science and Impacts program is to communicate up-to-date information about the impacts of climate change on Victoria to key stakeholders and the public in an accessible form.

In addition, it seeks to assist decision-makers internal and external to the State Government make decisions based on the best available climate change science and information.

A range of stakeholders were involved in the heatwave study, participating in the research and reviewing the findings. The cities of Melbourne and Whittlesea, the Mildura Rural City Council and



Victorian Council of Social Services worked alongside government agencies on the project.

Heatwaves in Victoria: A Vulnerability Assessment was published in November 2018 and has already been used as a source document by the City of Melbourne in the development of **Living Melbourne: our metropolitan urban forest strategy**.

Please refer to the **fact sheet** on DELWP's website for relevant statistics on costs currently being borne by sectors and regions due to heatwave events.

Legislative objective

This project fosters community action or innovation in relation to the reduction of greenhouse gas substance emissions or adaptation or adjustment to climate change in Victoria by providing up-to-date, accessible information about climate change science and impacts to decision-makers and the wider community, to empower proactive adaptation to climate change.

Quality, accessible information empowers decision-makers and the community to act to reduce the risks of climate change. Access to authoritative and reliable information also builds a common understanding of climate change and helps the community to collaborate more effectively.

This project is funded in part from the Communicating Climate Change Science and Impacts program, which is funded by the Sustainability Fund. The Communicating Climate Change Science and Impacts program received \$0.20 million in 2018–19 to support various projects.

THE SOURCE OF THE SUSTAINABILITY FUND

A levy on waste

The Municipal and Industrial Landfill Levy (MILL) was introduced to reduce Victorians' reliance on landfills by providing an incentive to reuse, recycle or reduce waste.

The MILL is paid by licensed landfill operators for each tonne of waste deposited, with the cost passed on to the user through gate fees.

The *Environment Protection Act 1970* determines how the MILL revenue is to be managed and spent. Under the Act, the Environment Protection Authority (EPA) is responsible for collecting the levies and transferring them to a trust account managed by DELWP.

The Act specifies how the money paid into this trust can be applied. It allows for distributions to agencies that are working to drive better environmental outcomes for Victoria. These agencies include the EPA, Sustainability Victoria and the seven Waste and Resource Recovery Groups.

After distributions to key environmental agencies, the remaining revenue is transferred and held in the Sustainability Fund.

How levy funds are used

The MILL funds the essential work of environmental agencies and initiatives that improve waste management, protect and restore the environment, or take action on climate change.

In 2018–19, \$140.2 million from the MILL was distributed to these environmental agencies, including the EPA, Sustainability Victoria, Parks Victoria, Waste and Resource Recovery Groups, the Commissioner for Environment Sustainability and Committees of Management for Crown land.

The remaining funds were transferred to the Sustainability Fund; this amount totalled \$73.5 million in 2018–19. In 2019–20, \$136.9 million is forecast to be distributed to agencies and the remaining \$103.2 million to be transferred to the fund.

Allocations from the fund are made as part of the Budget process and require the joint consent of the Minister for Energy, Environment and Climate Change and the Premier. These allocations support government initiatives and are made in accordance with the fund's **Priority Statement** and government policy.

Figure 5: Distributions of the MILL

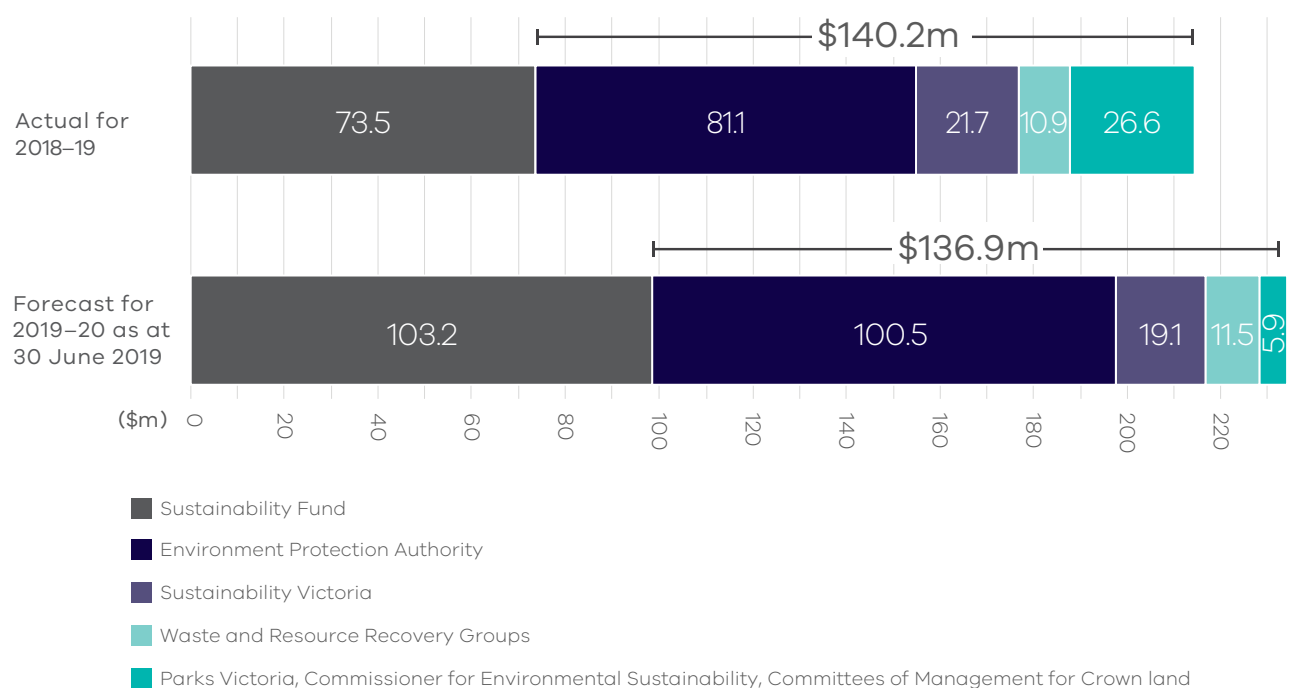
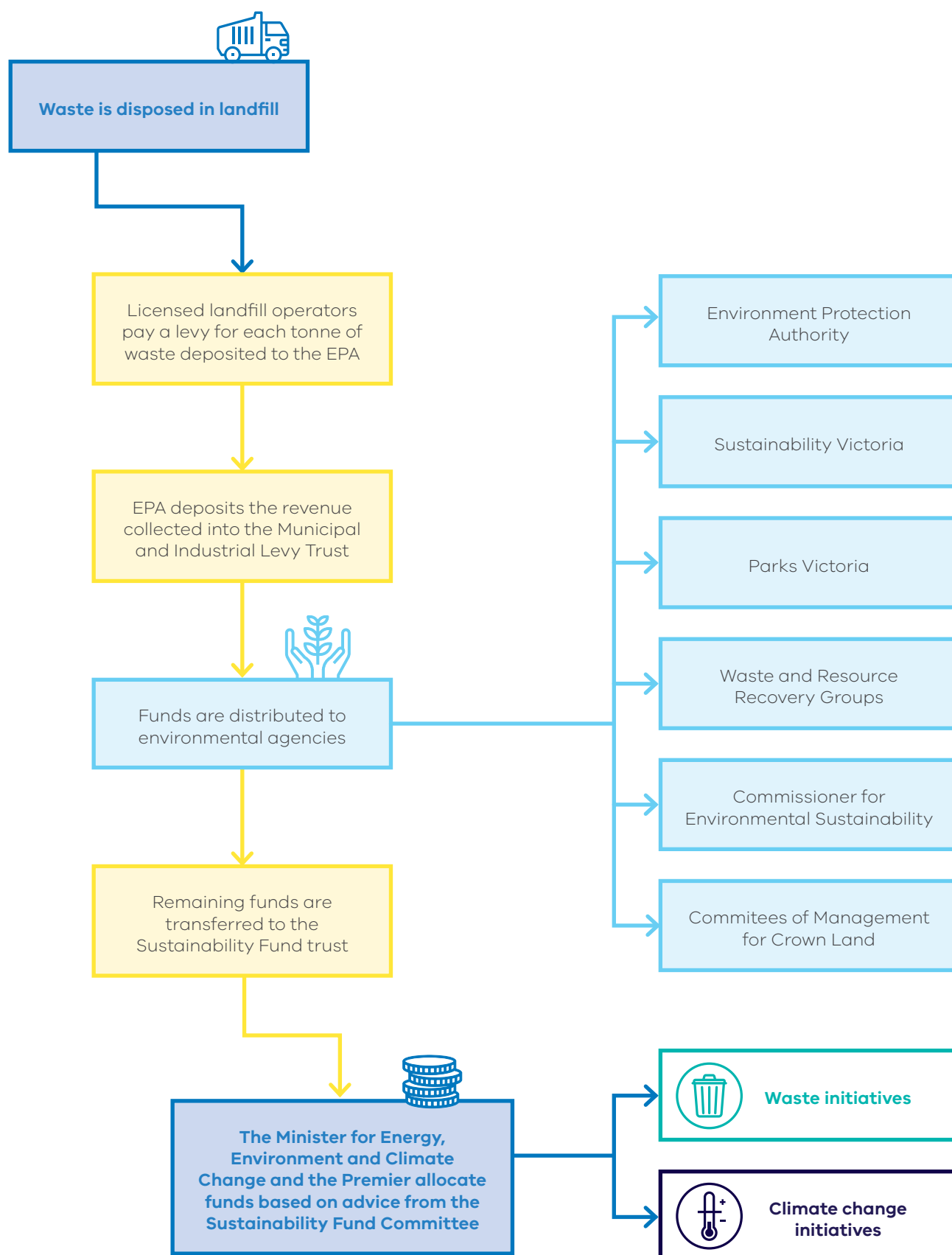


Figure 6: How the landfill levy is distributed to the MILL and Sustainability Fund





Shepparton Canoe Club members collect rubbish from the banks of Goulburn River at a clean-up organised by the local council



Some of the 'treasure' collected from Goulburn River

CASE STUDY

THE COMMUNITY TAKES CONTROL OF LITTER

Changing tack in the battle against litter has given the Goulburn River a new lease on life.

RiverConnect, an illegal-dumping working group run by Greater Shepparton City Council, joined forces with members of the Shepparton Canoe Club to clean up a significant amount of rubbish from the banks of the river at two recent clean-up events.

Previously, RiverConnect would mostly tackle rubbish and illegal dumping from an enforcement angle.

But, after attending a behaviour-change workshop at Sustainability Victoria, the group switched to community-driven stewardship as a means of bringing the community on board at the start of the project instead of approaching them later. By including land managers, recreational river users and community groups in the initial planning, more locals than ever were involved in the clean-ups.

The shift in thinking has had a big impact: the stretch of Goulburn River tackled at these events has stayed reasonably clean, with only a small percentage of the volume of debris removed reappearing.

Community action was just one part of this project co-funded by Sustainability Victoria. Cameras and signage were installed at dumping hotspots to monitor and prosecute dumpers in the Shepparton Regional Park. Media campaigns encouraged residents to report new rubbish dump sites rather than rubbish at these targeted hotspots.

To tackle illegal dumping further, RiverConnect engaged in more face-to-face discussions with Parks Victoria rangers to help target campers to ensure they clean up their sites.

Surveillance signage and cameras will continue to be trialled in several dumping hotspots, while additional advertising materials are being developed that focus on behaviour change. New materials for local schools are being prepared to increase students' awareness of the issues related to illegal dumping.

Legislative objective

This project fosters the environmentally sustainable use of resources and best practices in waste management to advance the social and economic development of Victoria by engaging Victorians to contribute to litter prevention and management activities, and empowering the community to act to improve the environment and encouraging the efficient use of resources by directing litter to the waste and resource recovery sector.

This project is funded in full from the Victorian Litter Plan, which is funded by the Sustainability Fund. The Victorian Litter Plan received \$0.10 million in 2018–19 to support various projects.

INVESTMENT OVER TIME

Since its establishment, the Sustainability Fund has provided essential support to a wide range of programs to help lower our impact on the environment and assist communities respond to the impacts of climate change. The chart below illustrates its significant investment over the past nine years.

The Victorian Government is committed to reducing the amount of waste going to landfill and improving waste management, as well as supporting Victorians prepare for and adapt to climate change. The government has allocated more than \$700 million from the fund over the past five State Budgets to support a wide range of groups and organisations deliver better environmental outcomes for Victoria.

The 2019–20 State Budget builds on previous allocations from the fund by committing a further \$53.5 million to help Victoria transition to a sustainable state. This 2019–20 investment includes:

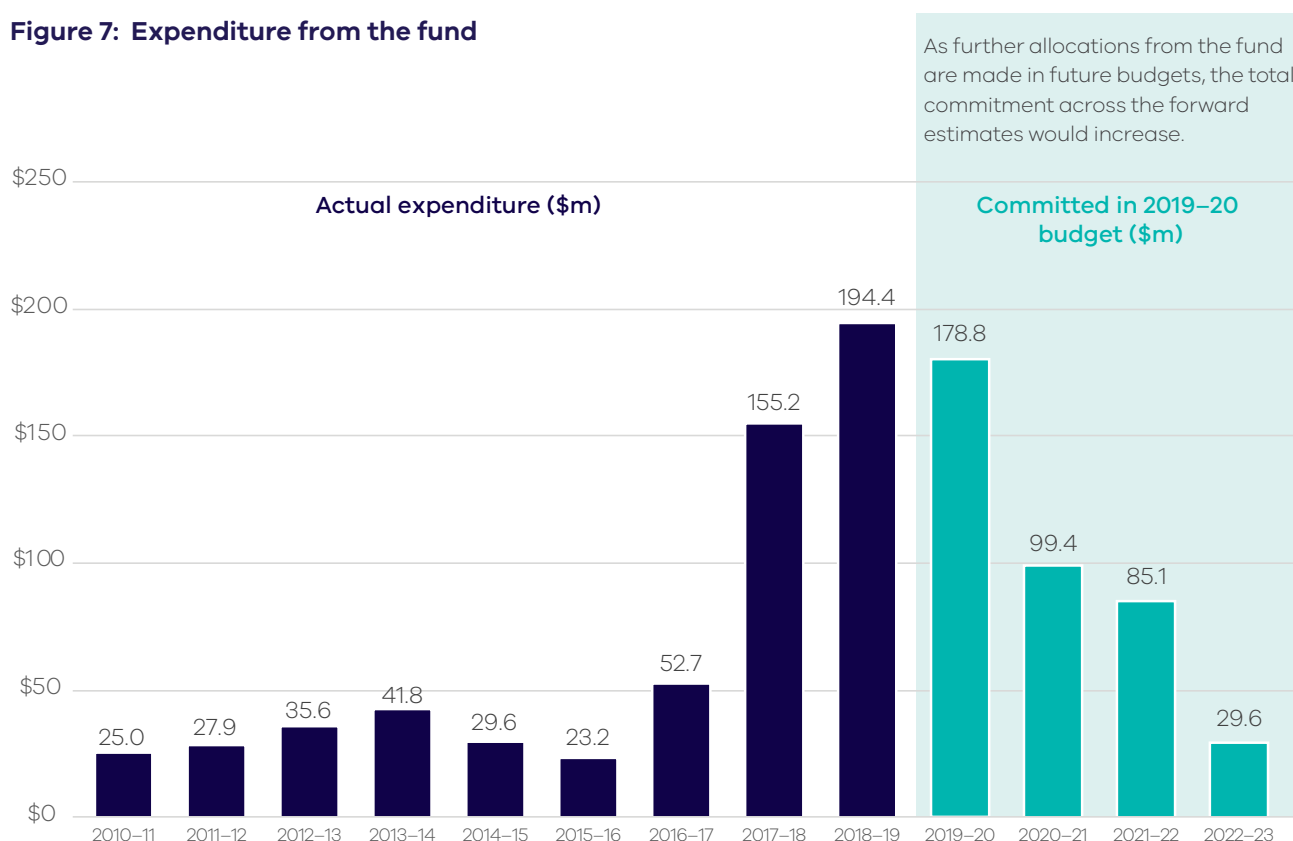
- \$34.9 million for recycling response interim measures

- \$9.1 million to provide an additional 4000 solar PV rebates to meet unprecedented demand in 2018–19
- \$3.7 million for combatting illegal stockpiling and mismanagement of hazardous waste
- \$3.0 million to protect Victoria's coasts in the face of climate change
- \$2.0 million to support Victoria's first climate change strategy
- \$0.8 million to support the National Australian Charitable Recycling Organisations with landfill levy relief to combat illegal dumping.

The 2019–20 Budget builds on the government's previous investments since 2015–16:

- \$66.4 million in the 2018–19 Budget and Pre-Election Budget Update
- \$439 million in the 2017–18 Budget
- \$136 million in the 2016–17 Budget
- \$22 million in the 2015–16 Budget.

Figure 7: Expenditure from the fund



Note that this chart includes program and administration expenditure. Actual expenditure figures from the fund in the years prior to 1 July 2015, have been sourced from the Victorian Auditor General's Office report, *Managing the Municipal and Industrial Landfill Levy*, July 2018, (Figure 2E, p.43)



CASE STUDY

VICTORIA UNEARTHED

An interactive map that gives Victorians easy access to historical information regarding potentially contaminated sites is a key part of the State Government's response to the **Independent Inquiry into the Environment Protection Authority (EPA)**.

Victoria Unearthed incorporates data from across government, including key datasets from the EPA that have been brought together for the first time in a publicly accessible spatial map system.

It aims to improve access to information to strengthen management of risks associated with legacy land and groundwater contamination.

In its **Response to the Independent Inquiry** – the first into the EPA since its inception in 1971 – the Victorian Government committed to developing the database; Victoria Unearthed was subsequently built and launched on 14 March 2019.

The datasets included in the first release are:

- environmental audits – EPA data on sites where environmental audits have been completed
- Groundwater Quality Restricted Use Zones – EPA data and audit reports on areas with groundwater contamination issues
- Victorian Landfill Register – EPA data on current and closed landfill sites across Victoria
- Environmental Audits Overlays – a Victorian planning scheme overlay indicating where an audit is required prior to land being used for a 'sensitive use'
- historical business listings – records dating back to the 1890s from Sands & McDougall directories (old 'phone books') held at State Library Victoria. The first release includes more than 160,000 business listings from the 1896, 1925 and 1974 directories, with another six directories in preparation to include in a future system update.

The interactive map with direct website links is supported by a comprehensive website providing 'how to' user guides, explanation of data sets, and information on contamination risks.

Data can be downloaded directly from the interactive map in a range of useful formats. Data files are also available for download to use in desktop GIS software.

System development is continuing into 2019–20 with updates planned for future release to include additional datasets and system improvements based on user feedback.

The Independent Inquiry into the EPA was conducted over 10 months by a Ministerial Advisory Committee and the final report was released publicly on 16 May 2016.

For more information on Victoria Unearthed, including a link to the interactive map from which you can look up your own home, visit DELWP's **website**.

Legislative objective

This project fosters environmentally sustainable uses of resources and best practices in waste management to advance the social and economic development of Victoria by providing data and information to the public on contaminated land, so that stakeholders can make informed decisions on how to protect human health and their local environments.

This project is funded in part from the Bringing our EPA into the Modern Era program, which is funded by the Sustainability Fund. The Bringing our EPA into the Modern Era program received \$5.32 million in 2018–19 to support various projects.





CASE STUDY

CONNECTING COMMUNITIES

The first year of the Connecting Communities project was a year of growing networks, improving delivery, and establishing connections between department biodiversity specialists, Indigenous communities, the citizen science sector, universities and relevant community members.



Biodiversity onground action statewide forum (ARI)

In total, Connecting Communities has directly involved 70 partner organisations, 29 of which were new partnerships, and engaged with 365 volunteers who have contributed about 2960 hours.

The project aims to grow biodiversity networks, provide training opportunities and connect DELWP's biodiversity and technical specialists with interested community members (including via citizen science) to enable:

- sharing of knowledge, expertise and learnings in biodiversity conservation
- increased profile of achievements
- evaluation of engagement activities.

Connecting Communities is one of the support projects within the Sustainability Fund's Biodiversity OnGround Action program.

The research expertise of the Arthur Rylah Institute for Environmental Research combined with the community facing environmental support and advice focus of the Forest, Fire and Regions group within DELWP is a sound partnership for connecting scientists and expanding the reach of biodiversity science within the community.

Key events, along with myriad seminars, forums and community days, were:

- four statewide Integrated Flora and Fauna Teams (SWIFFT) videoconference/seminar sessions across the state (facilitating 'community conservation conversations' at six sites), which shared biodiversity project outcomes and learnings from the sector
- two citizen science training workshops in photography for southern right whale identification (at Warrnambool and Phillip Island)
- one extended workshop, 'Science on Country', held specifically to connect with Aboriginal communities and build the foundations for stronger collaboration between researchers and traditional owners.

Further, the project also:

- upgraded the SWIFFT website to help capture modern community audiences and support citizen science in the southern right whale identification program
- established a multi-agency TechEcology network
- shared stories through a presentation at a national conference, two videos and numerous presentations at meetings and workshops



Science on Country workshop

- generated positive media through various platforms, including social media, targeted email invitations, network distribution lists and some traditional media
- expanded reach and accessibility of many events through the use of webinar and Zoom technology.

Qualitative feedback from events was overwhelmingly positive and is being used to inform future activities. This feedback supports that the project has improved skills and understanding, as well as improved connectedness to networks and nature. For example, following a skills-training workshop, all participants reported they were strongly confident about increased skill and likelihood of use. Following two separate citizen science-skill workshops, all participants reported improved skill, capacity and understanding and that they were likely to apply learnings and felt better equipped to support biodiversity.

Legislative objective

This program fosters community action or innovation in relation to the reduction of greenhouse gas substance emissions or adaptation or adjustment to climate change in Victoria by focusing on direct action, involving the wider public and scientific communities to protect threatened species, improve habit and reduce threats to biodiversity, including climate change.

This project is funded in part from the Community driven action to protect Victoria's unique biodiversity program, which is funded by the Sustainability Fund. The Community driven action to protect Victoria's unique biodiversity program received \$2.92 million in 2018–19 to support various projects.

SUPPORTING DIFFERENT TYPES OF ORGANISATIONS

The diversity of organisations supported is one of the great strengths of the fund, ensuring that it reaches various communities across Victoria.

In 2018–19, the Sustainability Fund assisted almost 400 organisations via targeted grant programs to undertake projects that deliver better environmental outcomes for Victoria. Grants are not provided directly from the fund itself, but via the individual grant program application processes administered by the delivery agencies.

Organisations that received funding via grant programs in 2018–19 included:

- businesses
- local and state government entities
- not-for-profit organisations
- community groups
- universities.

Entities outside government play a key role in driving change in the community. In 2018–19, half of grant recipients were businesses from across the state. The Boosting Business Productivity program,

administered by Sustainability Victoria, supported the highest number of businesses during the year. This program aims to help businesses reduce costs and boost productivity by improving their energy and materials efficiency and reusing or avoiding waste.

Local governments made up almost 20 per cent of grant recipients and applied this funding towards tackling both waste and climate change issues, such as e-waste, materials recovery and biodiversity conservation. This support is in addition to the funding and resources provided each year to local government by Sustainability Victoria and the Environment Protection Authority to reduce waste going to landfill and help local councils improve resource recovery.

The following charts illustrate the extent of different organisations supported through the fund in 2018–19.

Note charts may not add due to rounding.

Figure 8: Proportion of 2018–19 grant recipients by sector

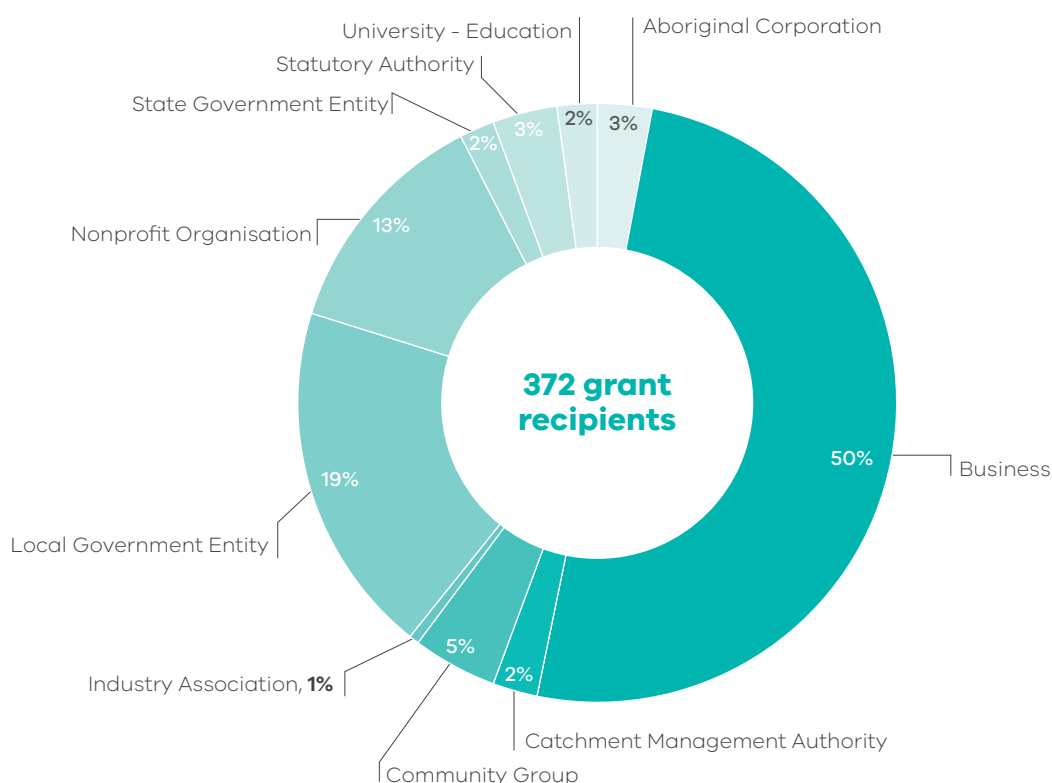


Figure 9: Proportion of 2018–19 total grant funds received by sector

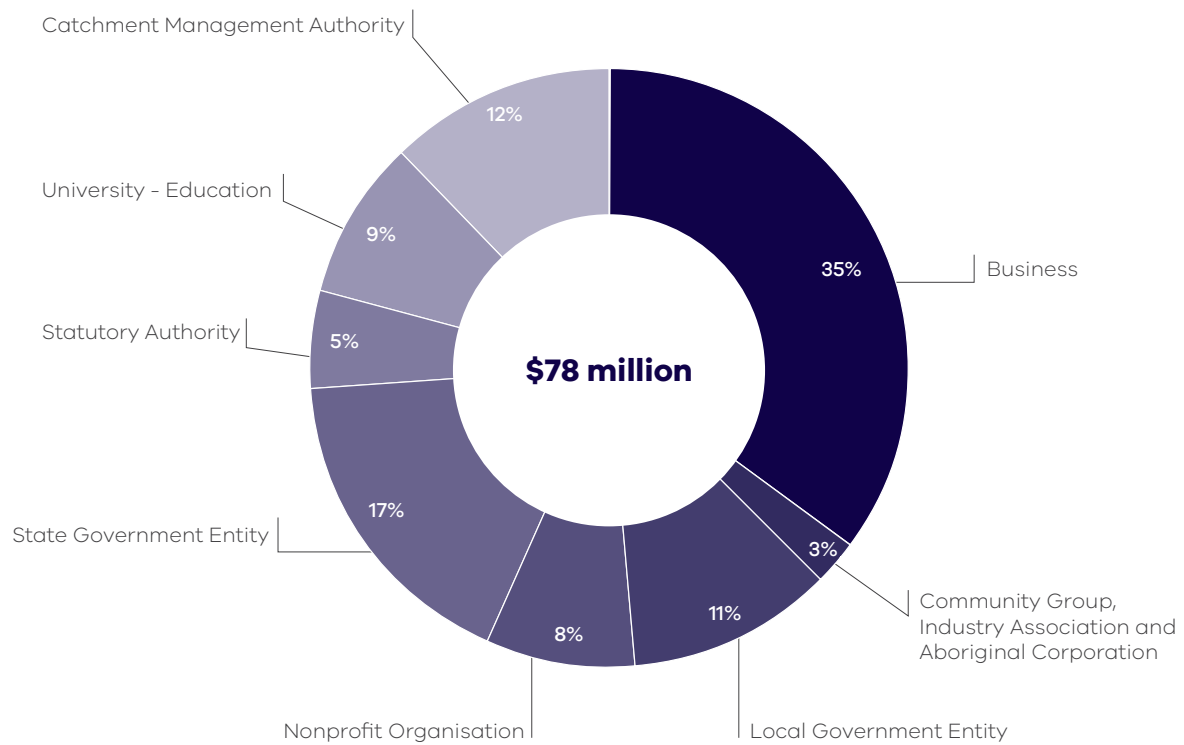


Figure 10: Number of 2018–19 grants received by sector

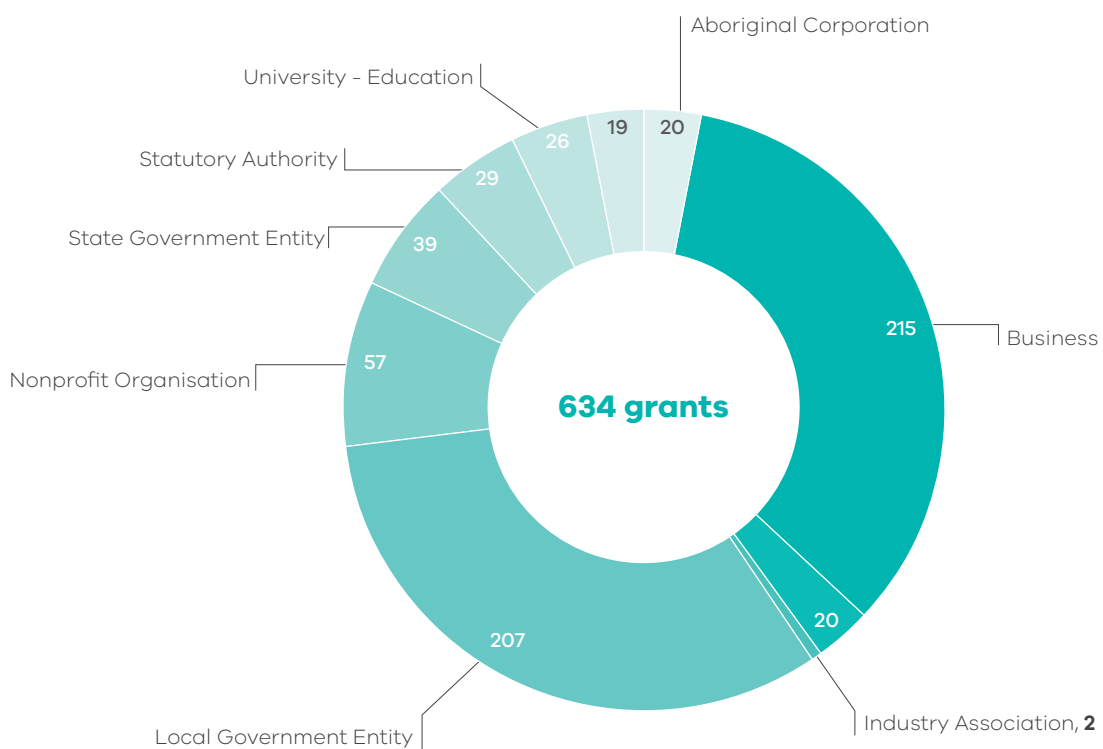




Photo credit: Nick Talbot

CASE STUDY

VICTORIAN BIODIVERSITY ATLAS

A simple mobile tool that allows everyone to record and share their wildlife and wildflower observations in the field is helping to expand our baseline knowledge of species distribution and how that is changing.

VBA Go, which links directly to the Victorian Biodiversity Atlas, is allowing people to see which species have been recorded near them and add their own sightings from across the state no matter where they are.

Digital technologies have been developed to allow VBA Go to work offline, allowing people in remote and wild areas of the state to contribute.

The project is a means of supporting Victorians in contributing to the knowledge bank that underpins the modelling, mapping and decision-making tools that are essential for climate adaption policies. The data collected under the VBA is also a baseline dataset to assess the progress and targets of the Victorian Government's Biodiversity Plan.

The VBA Go tool is helping Victorians to tackle climate change by:

- encouraging the community to collect and share their observations on the go
- allowing people to explore other recordings in their area
- providing the opportunity to greatly increase our species records, especially in areas that have had few formal surveys conducted

- ensuring that VBA is continually updating to reflect the current distributions of plant and animal species
- allowing for more robust modelling of both current habitat distribution and future climate change impacts from increased data
- providing for evidence-based assessments of species distribution changes over time.

For further information on how to use VBA Go, visit DELWP's [website](#).

Legislative objective

This program fosters community action or innovation in relation to the reduction of greenhouse gas substance emissions or adaptation or adjustment to climate change in Victoria by providing equitable access to information and increasing knowledge-sharing to enable more robust and transparent decision-making relating to climate change.

This project is funded in full from the Biodiversity Information Uplift program, which is funded by the Sustainability Fund. The Biodiversity Information Uplift program did not have distributions in 2018–19 as it was in the process of closing.

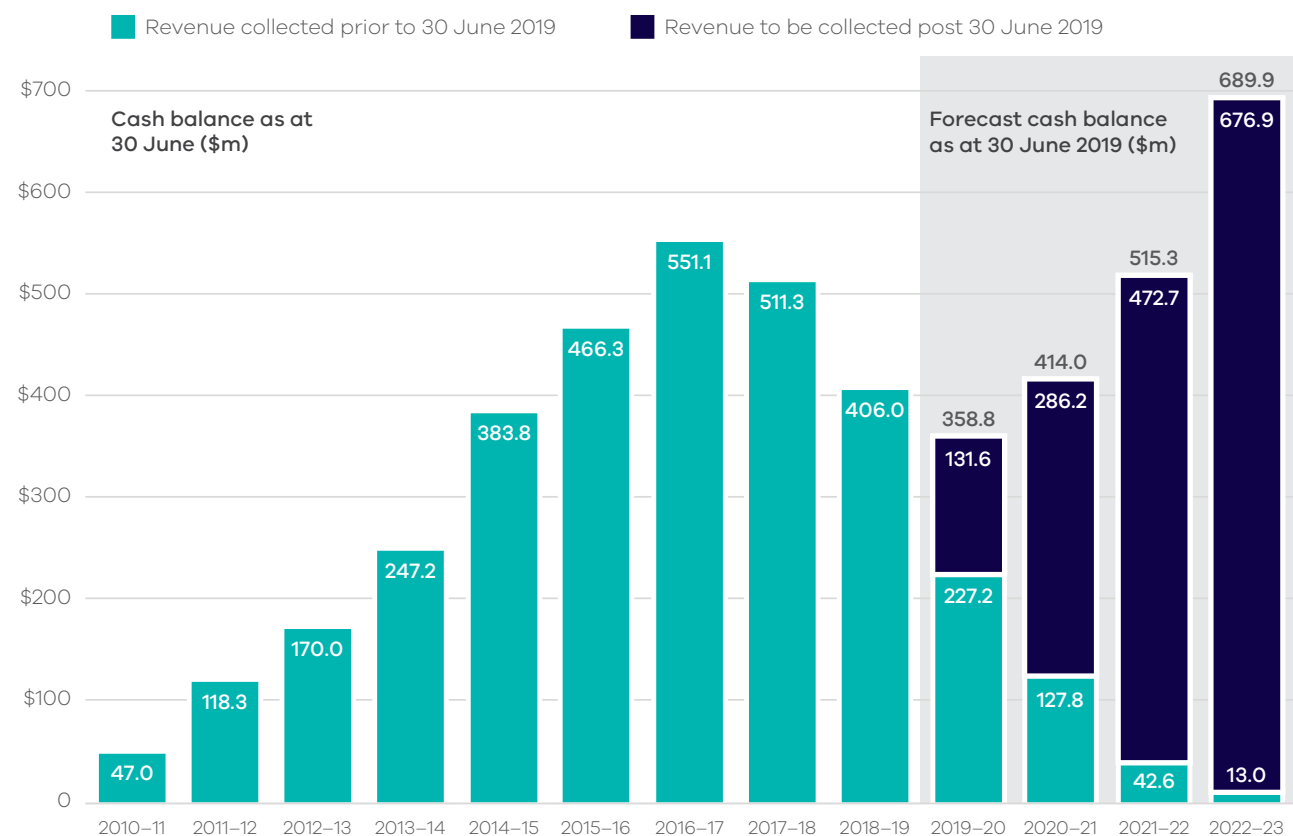
THE PROJECTED CASH BALANCE OF THE SUSTAINABILITY FUND PRIOR TO FUTURE ALLOCATIONS

The cash balance of the fund has reduced from \$551.1 million at 30 June 2017 to \$406.0 million at 30 June 2019. It is forecast to decrease even further to \$358.8 million by June 2020.

This Government has allocated more than \$700 million over the past five state Budgets and 2018–19 saw the highest annual expenditure from the fund since it was established.

Of all the fund's revenue collected up until 30 June 2019, only \$13 million remains unallocated.

Figure 11: Projected cash balance of the Sustainability Fund prior to future year allocations



While the chart depicts an increasing balance over the forward estimates, all but \$13 million of the fund's revenue collected from the MILL up until 30 June 2019 has been allocated to a range of waste and climate change projects.

The chart does not take into account any future allocations from the fund. The anticipated revenue yet to be collected from 30 June 2019 will be committed in future state Budgets. These allocations will draw down on the fund's balance over the forward estimates.

See the DELWP 2018–19 Annual Report for further detail on movements within the fund.

Source for 2010–11 to 2014–15 data: Sustainability Victoria annual reports consistent with the Victorian Auditor-General's Office performance audit, Managing the Municipal and Industrial Landfill Levy



CASE STUDY

REPURPOSING WASTE

A new high-tech development for treating construction and demolition waste (C&D) is reducing our reliance on landfills by creating value from waste. In 2016–17, more than 5.4 million tonnes of C&D waste were generated in Victoria, of which almost 1 million tonnes ended up in landfill.

The waste-to-resource business, Repurpose It, is behind the development, having launched Australia's first C&D waste-washing plant in Epping, in Melbourne's north, with support from the Victorian Government.

The state-of-the-art facility is helping confront the pressing issue of waste in the community. The facility has the capacity to divert more than 500,000 tonnes of C&D waste from landfill. Further, the facility also can save more than 84,000 tonnes of CO₂ per year as the washing plant that produces the aggregate material is more energy efficient than other facilities.

Repurpose It has partnered with the North Eastern Program Alliance, which is responsible for level crossing removals in Melbourne's north-east, as the nominated collection site for more than 80,000 cubic metres of excavation spoil, including construction and demolition waste and rail ballast.

They have also partnered with government projects more generally including the Level Crossing Removal Project, Metro Trains, North East Link, CityLink

Widening and Western Distributor so as to integrate waste into road and rail infrastructure across the state.

The Minister for Energy, Environment and Climate Change, Lily D'Ambrosio, launched the washing facility on 26 March 2019 before more than 100 leaders from both government and industry.

"We're supporting large-scale infrastructure projects like this one to reduce Victoria's dependence on landfills, create new jobs and drive investment," she told the gathering.

The Member for Thomastown, Bronwyn Halfpenny, added: "The very best recycling technology is available right here in Epping – investing in projects like this one is not only good for the environment, it's helping to support local jobs and industry."

Repurpose It is one of 14 successful projects supported under round one of the Resource Recovery Infrastructure Fund (RRIF), which was established in 2017.

"We're supporting large-scale infrastructure projects like this one to reduce Victoria's dependence on landfills, create new jobs and drive investment,"

- The Minister for Energy, Environment and Climate Change, Lily D'Ambrosio

The RRIF aims to support the development of infrastructure that improves the collection, sorting and processing of recycled materials. The program seeks innovative projects that will increase jobs in the resource-recovery industry while also increasing the recovery of priority materials.

Legislative objective

This fund fosters environmentally sustainable uses of resources and best practices in waste management to advance the social and economic development of Victoria by providing investment in key infrastructure for waste and resource recovery to improve resource recovery rates.

This project is funded in part from the RRIF, which is funded by the Sustainability Fund. The RRIF received \$10.23 million in 2018–19 to support various projects.



The Minister for Energy, Environment and Climate Change, Lily D'Ambrosio, launched the washing facility on 26 March 2019

PROGRAMS BEING FUNDED BY THE SUSTAINABILITY FUND

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome				Status as at 30 June 2019
2018–19 Illegal Dumping Strikeforce							
Illegal Dumping Strikeforce	2.24	Appendix 10	1.1	1.3			Active
This program aims to avoid an increase in illegal dumping of industrial waste in Victoria; Continue to develop EPA's understanding of illegal dumping; and achieve change within the community and industry towards illegal dumping, resulting in a long-term drop in illegal dumping activities.							
Bringing our EPA into the Modern Era							
Bringing our EPA into the Modern Era	5.32	Appendix 10	1.2	1.3	1.4	1.5	Active
This program aims to strengthen Victoria's EPA to more effectively safeguard human health and address Victoria's current and future environment protection challenges by reducing the harmful effects of pollution and waste.							
Clean-up of Contaminated Public Land							
Clean-up of Contaminated Public Land	1.40	Appendix 10	1.2	1.3	1.4	1.5	Active
The objectives of this project are to reduce the risk to human health and the environment from high risk contaminated public land, comply with legislative requirements to manage contaminated land and foster environmentally sustainable uses of resources and best practices in waste management.							
Climate Change Innovation & Jobs – Virtual Centre for Climate Change							
Climate Change Innovation & Jobs – Virtual Centre for Climate Change	3.12	Appendix 10	2.1	2.3			Active
This program aims to strengthen Victoria's role as a leader in climate change by fostering action, innovation and collaboration between businesses, industry, researchers and government to reduce greenhouse gas emissions and adapt to climate change.							
Climate Change Innovation & Jobs – Waste to Energy							
Climate Change Innovation & Jobs – Waste to Energy	0.80	Appendix 10	1.1	1.2	2.1		Active
This program aims to reduce CO2 emissions generated from waste through the construction of waste to energy facilities. It will support the industry in establishing confidence in the market through demonstration diversion of organic waste and biomass from landfill, recover energy to replace reliance on high emissions energy, and support greenhouse gas abatement. It also supports the installation of new, or upgrades to, waste to energy facilities to process organic waste in Victoria.							

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome					Status as at 30 June 2019
Climate Ready Victorian Infrastructure – Critical Coastal Protection Assets								
Climate Ready Victorian Infrastructure – Critical Coastal Protection Assets	4.46	Appendix 10	2.2	2.4				Active
This program provides financial assistance to Victorian Coastal Crown land managers to adapt coastal protection assets and land to mitigate the projected effects of climate change including sea level rise, increased coastal storm events and storm surge that will increase the risk of coastal inundation and erosion.								
Climate Ready Victorian Infrastructure – Environmentally Sustainable Development Standards								
Climate Ready Victorian Infrastructure – Environmentally Sustainable Development Standards	0.33	Appendix 10	1.1	2.1	2.2	2.3	2.4	Active
The program aims to develop state planning and building system responses to support more comprehensive, integrated and effective consideration of Environmentally Sustainable Development objectives in future decision making about urban developments.								
Collaborative Council – Sustainability Fund Partnerships								
Local Government Reform Initiatives	0.80	Appendix 10	1.1	1.2	1.3	1.4	1.5	2.1 Active
The objective of the program is to assist councils to test collaborative approaches to address climate change and waste management by developing business cases and feasibility studies to make informed investment decisions.								
Community driven action to protect Victoria's unique biodiversity								
Conserving Victoria's special places: reducing weeds and pests in high value areas	0.50	Appendix 10	2.4					Active
The objective of this program is to assist Victoria’s ecosystems and native species to be more resilient to climate change by reducing the impact of weeds and pest animals in high value areas.								
Parks Victoria pest animal and deer control program	0.20	Appendix 10	2.4					Active
The delivery of a conservation pest management program that reduces the threat from introduced invasive animal species and improves the condition and resilience of parks.								
Onground Targeted Biodiversity Actions	2.92	Appendix 10	2.4					Active
This program supports the Victorian Government’s new Biodiversity Plan which aims to connect community to nature and ensure that Victoria’s natural environment is healthy. This program includes protection and management of biodiversity resources.								

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome			Status as at 30 June 2019
Contaminated Crown Land Assessment / Remediation						
Crown Land Remediation	4.22	Appendix 10	1.5			Active
The program objectives are to undertake assessment and/or remediation of government land through adoption of industry best practice in waste management; adopt innovative approaches to the assessment and/or remediation of government land and to advance the social and economic development of Victoria by reducing or removing contamination risks (both human health and environmental) from government land.						
Driving Growth in Renewable Energy						
Driving Growth in Renewable Energy	3.34	Appendix 10	2.1	2.2	2.3	Active
This program aims to deliver investment growth, new jobs and environmental benefits by promoting growth in renewable energy, both through facilitation of wholesale market transition from brown coal generation towards renewables, and by increasing the uptake of distributed generation and storage technologies by households, businesses and community groups.						
Encouraging Resource Smart Victorian Schools						
ResourceSmart Schools 2017–18	2.15	Appendix 10	1.4	2.1	2.3	Active
This program aims to embed sustainability into Victorian schools by improving infrastructure and school behaviour and operations, teaching practices, student learning and community engagement to reduce school resource consumption and improve biodiversity.						
Energy Affordability: Putting Consumers First						
Victorian Energy Compare – statewide advertising campaign and stakeholder engagement	2.55	Appendix 10	2.3			Active
This program aims to increase consumer awareness of the Victorian Energy Compare website, and broader energy matters to address cost pressures and reduce greenhouse gas emissions. This is through educating consumers about ways to reduce their energy consumption and by further assisting them to make informed energy decisions.						
Victorian Energy Compare – Operational support and continuous improvements	1.20	Appendix 10	2.3			Active
This program will enable the delivery of the Victorian Energy Compare website and provide improvements to ensure the website remains current and useful to energy consumers.						
Vulnerable Consumer Support	0.77	Appendix 10	2.2	2.3		Active
This program aims to educate and empower groups that may not be reached by mainstream electricity information campaigns to assist them in making informed decisions about what electricity product or service best suits their consumption pattern. It also informs them on reducing energy usage and subsequently greenhouse gas emissions, relieving cost pressures associated with household energy bills, improving energy literacy of vulnerable consumer households, and increasing awareness of energy efficiency and the benefits of renewable energy.						

Continued on [page 53](#)



CASE STUDY

VICTORIAN ENERGY COMPARE

Traffic to the website **Victorian Energy Compare** – a free, independent energy price comparison tool run by the State Government – almost trebled in 2018, delivering potential energy cost savings for consumers of \$79 million.

Unique visitor numbers to the website rose 102 per cent to 1.2 million; 23,000 consumers also accessed the site's new live chat service which enables consumers to ask for assistance while navigating the website.

Launched in 2015, the website uses information users provide about their household and energy bills to help find the best energy offers.

It works by:

- searching for the energy offers that are available to most people in the area
- calculating the prices for actual usage (using your smart meter data) or estimated usage (based on a response to a questionnaire)
- estimating the best-priced offer based on the information provided.

The Victorian Government is committed to ensuring the website remains current and useful to energy users.

The initiative helps:

- increase consumer awareness surrounding broader energy matters
- assists in addressing cost-of-living pressures
- makes economic outcomes more efficient, and

- reduces greenhouse gas emissions through educating consumers about ways to reduce their energy costs and consumption.

If consumers are encouraged to find the best offer available to them, even modest assumptions of take-up could result in significant community savings.

For example, if 80 per cent of consumers looking for a better deal were successful, this could result in savings of about \$54 million a year. This would be particularly beneficial for low-income households that spend between 6 per cent and 7 per cent of their income on energy.

To visit Energy Compare go to the [website](#).

Legislative objective

This program fosters community action or innovation in relation to the reduction of greenhouse gas substance emissions or adaption or adjustment to climate change in Victoria by promoting changes in the behaviour of energy consumers to reduce their daily use, which, in turn, means lower-energy generation output from coal and gas-fired generators and resulting emissions.

This project is funded in full from the Sustainability Fund and received \$1.20 million in 2018–19.



CASE STUDY

REDUCING THE ENVIRONMENTAL IMPACT OF PLASTICS – BANNING PLASTIC BAGS

Victoria is banning single-use plastic bags. The ban will apply to all lightweight plastic bags and come into effect on 1 November 2019.

Banning single-use plastic bags will help remove them from circulation and encourage a shift to more durable and sustainable alternatives, reducing plastic pollution in our land and marine environments.

After consulting with industry and the community on the best way to ban plastic bags, the Victorian Government introduced the Environment Protection Amendment Bill 2019 in Parliament 19 June 2019.

The ban will apply to all suppliers of bags and retailers including supermarkets, green grocers, bakeries, pharmacies, clothing stores, restaurants, cafes, markets, takeaway food outlets, and many more.

To minimise confusion and impact, the bag ban will apply to lightweight shopping bags made of all types of plastic (including degradable, biodegradable and compostable plastics).

Engagement and communication campaigns are currently underway to inform retailers and the community about the changes and help people adapt to the ban. This will help minimise impacts to Victorian businesses and support everyone with the transition.

Every year more than 1.5 billion single-use plastic bags are used in Victoria. These bags are highly mobile and commonly end up contaminating our natural environment, especially our ocean and waterways, harming native animals and marine life. Plastic bags also end up contaminating our recycling systems.

Retailers, suppliers and Victorian businesses can visit the **VicBagBan website for more information.**

Legislative objective

The initiative fosters environmentally sustainable uses of resources and best practices in waste management to advance the social and economic development of Victoria by introducing a legislative ban on plastic bags that is informed by consultation with the community and industry, complemented by education campaigns. The ban will reduce the environmental impact of plastic bags in Victoria.

This project is funded in part from the Plastic Bags Reduction program, which is funded by the Sustainability Fund. The Plastic Bags Reduction program received \$0.57 million in 2018–19 for various projects.

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome		Status as at 30 June 2019
Advanced Metering Benefits Realisation	0.25	Appendix 10	2.1		Active
The purpose of this program is to enable consumers to more effectively use Victoria's statewide Advanced Metering Infrastructure to better manage their energy consumption and costs.					
Energy Brokerage Pilot	0.43	Appendix 10	2.2	2.3	Active
This program will test and examine the need for, and the benefits of an independent energy brokerage service that will help vulnerable Victorian energy consumers gain access to cheaper and more appropriate energy offers.					
Data Hubs Concept Study	1.15	Appendix 10	2.1		Active
The Energy Data Hub will enable consumers and, with appropriate safeguards, third parties to access their energy consumption data (consumption interval data collected by smart meters) on a near real-time basis.					
Establishing Plantations					
Plantation Investment Strategy	3.45	Appendix 10	1.1	2.4	Active
This project's primary objective is to further diversify timber supply away from native forests to increased supply from plantations. This will reduce the net harvest area of native forests for timber and in doing so preserve and enhance biodiversity of species within these forests and deliver other associated environmental benefits. The project will also increase the level of abatement of carbon dioxide.					
Greener Government Buildings					
Greener Government Buildings Program	16.00	Appendix 10	2.1		Active
The program aims to improve the energy efficiency of government buildings. Government buildings will be retrofitted with more efficient lighting, heating and cooling systems, building automation and solar power. This will save future costs in energy bills and cut greenhouse gas emissions.					
Increasing support for Landcare					
Increasing support for Landcare	4.61	Appendix 10	2.3	2.4	Active
This program aims to provide support for Landcare facilitators to work with local communities in regional, rural, peri-urban and urban areas to improve the health and resilience of the natural environment.					
Increasing support for Trust for Nature					
Increasing support for Trust for Nature	1.62	Appendix 10	2.3	2.4	Active
This program supports the increase in size and quality of protected areas on private land by working with landholders and the wider community to help mitigate the impacts of climate change on Victoria's natural environment.					

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome				Status as at 30 June 2019
Investing in waste and resource recovery for a growing Victoria							
Improving Landfill & Compositional Waste Data Audits	0.09	Appendix 10	1.4				Active
This program aims to improve the methodology and data of landfill compositional audits for Victorian landfills and transfer stations. It further intends to better inform investment in the resource recovery of priority material throughout Victoria; improve the projection model used for the Statewide Waste and Resource Recovery Infrastructure Plan; and provide Victoria’s Waste and Resource Recovery Groups with a better understanding of the amount of waste generated and managed in their regions.							
Waste to Energy Policy	0.27	Appendix 10	1.1	1.2	1.3	1.4	Active
This program will develop a whole of government waste to energy policy for Victoria. Key objectives of this program include: Understanding how waste to energy can provide net positive economic, social, environmental and public health outcomes for Victoria; Exploring how waste to energy compares to alternative methods of waste management and energy generation; Allowing the government to provide an evidenced-based response to the growing appetite from industry for waste to energy sector growth; Clarifying the role government should play in any potential expansion of the waste to energy sector; Identifying policy and regulatory settings which would support a whole of government policy position on waste to energy.							
Waste Education	2.66	Appendix 10	1.4				Active
The program aims to develop a consistent narrative for the waste and resource recovery system that will increase community perceptions of waste management as an essential service; help the Victorian community and hospitality businesses to reduce the amount of food waste they generate; work with a targeted industry sector to improve resource recovery; increase the capability and capacity of delivery partners to roll out waste education and behaviour change activities.							
Investing in waste and resource recovery for a growing Victoria – e-waste landfill ban							
Non-regulatory support for e-waste landfill ban	10.50	Appendix 10	1.2	1.4			Active
This program aims to inform Victorians of the environmental and health related impacts of e-waste and how to appropriately manage e-waste as well as engage stakeholders to support practical and effective design and implementation, ensure that collection, storage, transportation and processing of e-waste is conducted to a high standard and provide support to build the capacity and capability of those managing e-waste.							
Investing in waste and resource recovery for a growing Victoria							
Resource Recovery Infrastructure Fund	4.67	Appendix 10	1.1	1.2	1.3		Active
This program aims to facilitate investment in waste and resource recovery infrastructure to increase materials recovery in Victoria. This will lead to an increase in jobs and the rate of resource recovery.							
Jobs and Innovation in Resource Recovery – Leveraging private investment in infrastructure							
Collaborative Procurement	0.40	Appendix 10	1.1				Active
This program aims to support the development of the recovery of priority materials and improve the state’s resource recovery infrastructure. Overall this program intends to enable the development of coordinated, collaborative processes within local government to improve the state’s resource recovery rate.							

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome			Status as at 30 June 2019
Jobs and Innovation in Resource Recovery – Organics, Education & Market development strategies						
Organics, Education & Market development strategies	0.93	Appendix 10	1.1	1.2	1.4	Active
This program aims to establish strong end markets for recovered products to support increased investment in the waste and resource recovery sector across Victoria, provide higher quality products to industry to support the growth of end markets and to provide a consistent approach to waste education and litter prevention activities to support a reduction in waste generation and litter.						
Jobs and Innovation in Resource Recovery – Household Chemical Collection						
Household Chemical Collection	0.50	Appendix 10	1.1	1.2	1.4	Active
This program aims to provide the Victorian community with safe channels for disposal of target materials and other toxic waste; recover more than 90 per cent of the collected materials for reuse; and support infrastructure requirements to facilitate collection.						
Jobs and Innovation in Resource Recovery – Leveraging private investment in infrastructure						
Resource Recovery Infrastructure Fund	5.56	Appendix 10	1.1	1.2	1.3	Active
This program aims to facilitate investment in waste and resource recovery infrastructure to increase materials recovery in Victoria. This will lead to an increase in jobs and the rate of resource recovery.						
Latrobe Valley Package – energy efficiency initiative						
Latrobe Valley Solar on Public Buildings	0.86	Appendix 10	2.1	2.2	2.3	Active
This program is focused on delivering renewable energy infrastructure projects to demonstrate community leadership in Victoria’s transition to a renewable energy economy. It provides investment and support to the Latrobe Valley community following the closure of the Hazelwood Coal Mine.						
Energy Efficiency Home Retrofits	2.68	Appendix 10	2.1	2.2	2.3	Active
This program aims to reduce energy-related costs for participating householders and to reduce greenhouse gas emissions in participating council areas. The program will support energy efficiency and renewable energy upgrades in 1000 homes of vulnerable Victorians in the Baw Baw, Wellington and Latrobe City Councils areas.						
Making Communities Climate Ready – Protection of Priority Victorian Beaches and Foreshores						
Making Communities Climate Ready Protection of Priority Victorian Beaches and Foreshores	0.05	Appendix 10	2.2	2.4		Active
This program aims to maintain beaches and sandy coastlines to protect vulnerable areas of the coast from erosion, inundation and land instability (i.e. cliffs) hazards caused by the sea, thereby protecting foreshore Crown land and critical infrastructure.						

Continued on [page 57](#)



Wave buoy deployment to facilitate wave climate and sea-level rise monitoring. The buoys will begin streaming data before the end of 2019.

CASE STUDY

VICTORIAN COASTAL MONITORING PROGRAM

Collecting and sharing up-to-date information on the changes to Victoria's coastal shoreline will help protect our coasts from the impacts of climate change.

The Victorian Coastal Monitoring Program (VCMP) aims to provide communities with information on coastal condition, change, hazards, and the expected longer-term impacts associated with climate change that will support decision-making and adaptation planning. This includes the design and placement of coastal defence structures.

The VCMP has partnered with community groups (citizen science) and institutions to co-invest in coastal monitoring projects at both regional and local scales, including:

- a statewide coastal hazard assessment to determine areas most vulnerable to erosion, as a basis for prioritising monitoring sites
- monitoring of 15 priority open-coast beach locations and selected shorelines of Western Port (with co-investment leveraged)
- coastal wave monitoring and sea-level rise modelling
- monitoring of Port Phillip Bay beaches.

A statewide coastal hazard assessment is being undertaken to determine which of Victoria's coastal compartments will be subjected to the highest rates of erosion and inundation from sea-level rise. This information provides a basis for prioritising monitoring sites.

The program's Open Coasts Project is collecting information on the historical rate of change on the coast, and sediment and beach dynamics at 15 priority monitoring locations. The Citizen Science Unmanned Aerial Vehicles monitoring component of

this project is key to this endeavour, with local communities gathering the critical information on storm change and later recovery using the latest in consumer drone technology.

Meanwhile, the Embayments Project is filling a gap in increasing our understanding of links between sediment transport, landform characteristics and the nearshore environment by modelling geomorphic change in Western Port.

And the Coastal Waves and Sea-level Rise Project will meet a pressing need to understand the processes of wave climate and the frequency and intensity of storms, and to model their effects on projected climate change inundation and sea-level rise impacts on the Victorian coast.

A new network of three large offshore and numerous small nearshore wave buoys will also be deployed to create the most comprehensive wave climate monitoring and modelling program ever undertaken in Victoria.

Legislative objective

This program fosters community action or innovation in relation to the reduction of greenhouse gas substance emissions or adaptation or adjustment to climate change in Victoria by leading and supporting training and local action to protect and enhance the health of Victoria's environment.

This project is funded in part from the Sustainability Fund and received \$1.01 million in 2018–19.

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome			Status as at 30 June 2019
Meeting the Government's Climate Change Obligations						
Understanding and Adapting to Climate Change – Mitigation	0.36	Appendix 10	2.1			Active
This program aims to assist the government to reduce Victoria's greenhouse gas emissions and transition toward a net zero economy by establishing five-yearly statewide interim greenhouse gas emissions targets and a framework for associated sector pledges, in accordance with the <i>Climate Change Act 2017</i> ; publish reports on Victoria's greenhouse gas emissions inventory annually in accordance with the Act; and support government achieve operational emissions reduction targets.						
Partnering with local government to address weeds and pests						
Partnering with Local Government to address weeds and pests	1.00	Appendix 10	2.3	2.4	Active	
This program aims to increase the number of Victorians acting to protect nature in the project areas; improve the condition of key native habitats within the project areas; and reduce weed threats to key native habitats across tenures and at a landscape scale.						
Port Fairy Landfill						
Port Fairy Tip & Golf Club Protection	0.02	Appendix 10	1.5	2.2	2.3	Active
The objectives of this program are to eliminate the exposure of landfill waste at two decommissioned landfills at East Beach Port Fairy; implement treatments, including infrastructure and works to protect the landfill sites from coastal erosion; and build community awareness around the coastal impacts of climate change.						
Protecting Port Philip Bay and its beaches						
Making Communities Climate Ready Protection of Priority Victorian Beaches and Foreshores	0.32	Appendix 10	2.2	2.4	Active	
This program aims to maintain beaches and sandy coastlines to protect vulnerable areas of the coast from erosion, inundation and land instability (i.e. cliffs) hazards caused by the sea, thereby protecting foreshore Crown land and critical infrastructure.						

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome				Status as at 30 June 2019
Protecting Victoria's Environment – Biodiversity 2037							
Flora and Fauna Guarantee Act Reform and Implementation	0.48	Appendix 10	2.4				Active
This program aims to ensure that the <i>Flora and Fauna Guarantee Act 1988</i> (FFG Act) can provide a modern framework for biodiversity protection and management in Victoria and strong and effective protection for Victoria's native species and important habitats. This program will support the effective implementation of the final package of reforms to the FFG Act.							
Native vegetation regulations reform and reporting	1.43	Appendix 10	2.3	2.4	Active		
This program aims to ensure effective regulation of native vegetation removal, including updates to the regulatory system and the support and development of the offset and credit market as well as improvements in compliance and annual reporting.							
Marine Environment Targeted Actions	0.69	Appendix 10	2.3	2.4	Active		
This program aims to restore marine environments across Victoria, increase community and stakeholder awareness on marine environments and to establish strategic partnerships to deliver marine environment on-ground actions with industry, other agencies and non-government organisations.							
Targeted On-ground Biodiversity Action	10.67	Appendix 10	2.3	2.4	Active		
This program aims to reduce the decline and pressure on biodiversity and threatened species; implement a range of grant incentive programs to protect and improve biodiversity resources on public and private land and across a range of natural environments; and promote engagement to a broader range of Victorians as a collective response to protect and conserve biodiversity.							
Biodiversity enabling actions	8.77	Appendix 10	2.3	2.4	Active		
This program aims to: link biodiversity, science and decision support systems to ensure effective investment, prioritisation, awareness and support for communities to deliver biodiversity outcomes; implementation of frameworks that guide coordinated investment in monitoring and research resulting in the ability to address priority knowledge gaps; improved decision making and reporting; increased participation of Victorians in biodiversity management and collaboration through the establishment of Biodiversity Response Planning; and support implementation of Victoria's Climate Change Adaptation Plan 2017–2020.							
Recycling Industry Assistance Package							
Recycling Industry Strategic Plan	0.25	Appendix 10	1.1	1.2	1.3	1.4	Active
The Recycling Strategic Plan outlines a pathway to a more resilient recycling market in Victoria to provide important benefits for the Victorian community, economy and environment.							
Temporary Relief Funding	5.47	Appendix 10	1.1	1.2	1.3	1.4	Active
This program provides temporary relief funding to assist councils in meeting the immediate cost pressures resulting from changed recycling market conditions, specifically for the period 1 March 2018 to 30 June 2018.							

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome		Status as at 30 June 2019
Recycling Industry Strategic Plan					
Victorian Market Development Strategy for Recovered Resources	1.74	Appendix 10	1.1		Active
The program aims to support the establishment of strong markets for recovered materials and waste to energy in Victoria. Focus is set on priority materials as outlined in the Victorian Market Development Strategy. These include organics, rubber, e-waste, flexible plastics, glass. The program goals include to foster research, development and demonstration of products made from recovered resources; Develop and amend standards and specifications for products made from recovered resources; Encourage the procurement of products made from recovered resources; Arrange product stewardship for shared responsibility across government, industry and the community.					
Recycling Industry Strategic Plan Implementation	2.52	Appendix 10	1.1	1.2	Active
This program aims to maintain and build upon Victoria’s resource recovery rate; improve the efficiency of Victoria’s recycling sector through improving community awareness of what can and cannot be recycled, investigating improvements that can be made to recycling collection services, and ensuring Victoria has the right infrastructure in place to recycle the waste materials we generate; develop a circular economy policy and action plan for Victoria; and reduce the incidence, severity, and impacts (to public health, environment, and the economy) of fires at resource recovery facilities.					
Landfill Levy Relief Program – National Association of Charitable Recycling Organisations (NACRO) – Charitable Recycling	0.80	Appendix 10	1.4		Active
This program provides financial assistance to charitable recycling organisations to manage the impact of illegal dumping.					
Collaborative procurement	0.05	Appendix 10	1.4		Active
This program aims to increase collaboration between the Waste and Resource Recovery Network and councils to facilitate collaborative procurement of recycling processing services, contributing to the establishment of a resilient recycling industry in Victoria.					
Reducing the environmental impact of plastic bags – transitioning to ban					
Plastic Bags reduction: CBA – Phase 1	0.57	Appendix 10	1.4		Active
This program aims to allow for a smooth and effective transition to any ban on the provision of plastic bags in Victoria. The longer term objective of this program is to reduce plastic bag litter, plastic bag consumption and contamination of recycling streams by plastic bag waste.					



CASE STUDY

2019 RESOURCESMART SCHOOLS AWARDS

Carrum Primary School has struck a blow for sustainability, inspiring other schools to take action on climate change with a curriculum that makes sustainability fun for not only students but also the local community.

Carrum was recognised as the ResourceSmart School of the Year, applauded also for its biodiversity promotion, recycling programs and solar energy initiatives.

The ResourceSmart Schools program supports Victorian schools to embed sustainability in their curriculum, school operations and local community. This helps schools minimise waste, save resources, increase biodiversity and take action on climate change.

So far, the program has engaged more than 1400 schools across the state.

This year ResourceSmart Schools collectively:

- planted more than 40,000 plants
- saved 11,000 tonnes of greenhouse emissions from being released into the environment through reducing electricity usage, using renewable energy, reducing waste and diverting waste from landfill
- saved \$4.1 million in costs relating to energy usage, waste collection and water
- avoided 16,000 cubic metres of waste through practices such as composting, increased recycling and reducing food waste.

Each year, schools are recognised for their efforts to inspire sustainable action in their communities,

protect the environment and reduce their environmental impact as part of the annual ResourceSmart School Awards, Victoria's largest sustainability awards program.

The theme of this year's awards was 'Contributing to a better place', hosted by Craig Reucassel, from ABC TV's *War on Waste*. He joined Lily D'Ambrosio, the Minister for Energy, Environment and Climate Change, in announcing Carrum Primary as winner.

For more details on the 2019 awards, including information on the category winners and finalists, visit [here](#).

Legislative objective

The ResourceSmart Schools program aligns to the Sustainability Fund's waste and climate change legislative objectives by supporting schools to reduce their environmental impact, use resources efficiently, respond to climate change, embed sustainability into the curriculum and support sustainability within the wider community to advance the social and economic development of Victoria.

This project is funded in full from the Sustainability Fund and received \$2.15 million in 2018–19.

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome			Status as at 30 June 2019
Saving Energy, Growing Jobs						
Boosting Productivity	0.94	Appendix 10	1.4	2.1	2.3	Active
This program aims to equip more than 1000 small and medium sized businesses with the know-how, skills and tools and connect them to alternative finance, to help businesses cut energy costs, reduce greenhouse gas emissions, improve productivity and unlock further co-benefits.						
Vulnerable Households – Home Energy Assist – Energy Smart Public Housing	0.68	Appendix 10	2.1	2.2	2.3	Active
This program aims to assist Victoria's public housing tenants to improve energy efficiency, thermal comfort and reduce energy bills. The program also seeks to develop and implement climate change strategies and greenhouse gas mitigation activities in Victoria's public housing.						
Vulnerable Households – Home Energy Assist – Healthy Homes	1.74	Appendix 10	2.1	2.2	2.3	Active
This program aims to improve thermal comfort and energy efficiency in up to 1,000 homes of Victorians on low incomes who have health problems and vulnerabilities to temperature extremes. The program will collect Australian-first robust statistical evidence on the link between energy efficiency and health.						
Household Component and Cross Sectoral Measures	3.16	Appendix 10	2.1	2.2	2.3	Active
This includes activities to expand the Victorian Energy Upgrades program, improve the energy efficiency of rented homes and consumer access to information that helps with more informed choices about housing that is energy efficient. The activities also include work at the national level to develop and improve energy efficiency standards for appliances and buildings.						
Victorian Residential Efficiency Scorecard	0.15	Appendix 10	2.1	2.2	2.3	Active
The overall objective of the program is to improve the energy performance of homes, reduce overall energy use, achieve savings on energy bills and have a positive health impact on households by improvements in the building shell and fixed assets with the home.						
Science, Innovation and Excellence – Monitoring coastal flooding, erosion & land stability						
Victorian Coastal Monitoring Program	1.01	Appendix 10	2.2	2.3		Active
This program aims to provide communities with information on coastal condition, change, hazards, and the expected impacts associated with climate change that will facilitate evidence-based decision making.						
Science, Innovation and Excellence – Modelling and Feasibility						
Modelling and Feasibility	0	Appendix 10	2.2	2.3		Active
The overall objective of the program is to study the climate change impacts upon selected social determinants of health and wellbeing, the consequent effects upon the health and human services system, and the cost to government and the Victorian economy that might accrue from these downstream effects.						
Note that this program did not receive a payment in 2018-19 but has a funding commitment beyond 30 June 2019.						

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome			Status as at 30 June 2019
Securing our energy future – Solar Trams						
Renewable Certificate Purchasing Initiative (RCPI)	4.68	Appendix 10	2.1		Active	
The overall objective of the RCPI program is to accelerate the development of renewable energy projects in Victoria; promote job creation and economic development in regional Victoria where renewable energy projects are located; promote investor confidence in Victoria's renewable energy sector; demonstrate visible leadership in tackling climate change by committing to a meaningful TAKE2 pledge for the transport sector; and contribute to decarbonising Victoria's electricity sector.						
Securing our modern energy future – Energy Efficiency and Productivity Strategy						
Sector specific productivity plans	0.45	Appendix 10	2.1	2.3	Active	
This program aims to develop energy productivity strategies for industry sectors which will guide and facilitate businesses to improve their energy efficiency to address cost pressures, make economic outcomes more efficient, and to reduce greenhouse gas emissions.						
Unlocking Innovative Finance	1.01	Appendix 10	2.1	2.2	2.3	Active
The goal of this program is to increase the uptake of financial products by small-scale organisations, to increase investment in energy efficiency and renewable energy in Victoria. It also aims to make recommendations on how Government should unlock finance to small-scale organisations in Victoria.						
Towards Zero Emission Homes – Building industry compliance	1.48	Appendix 10	2.1	2.2	2.3	Active
The objective of this program is to improve the energy efficiency of new homes in Victoria by improving as-built compliance with energy efficiency standards. This will reduce energy costs for residents, improve thermal comfort and health and reduce greenhouse gas emissions.						
Skills and training development	0.31	Appendix 10	2.1	2.2	2.3	Active
The objective of this program is to build skills and capacity related to energy efficiency. This will occur through training of the trades and professions who deliver energy efficiency services to Victorian homes and businesses. It will also build the capacity of businesses, to maintain and apply these skills.						
Towards Zero Emission Homes – Victorian building standards	0.40	Appendix 10	2.1	2.2	2.3	Active
The objective of this program is to improve the energy efficiency of new homes. This will reduce energy costs for residents, improve thermal comfort and health and reduce greenhouse gas emissions.						
Boosting Productivity	0.42	Appendix 10	1.4	2.1	2.3	Active
This program aims to equip more than 1000 small and medium sized businesses with the know-how, skills and tools and connect them to alternative finance, to help businesses cut energy costs, reduce greenhouse gas emissions, improve productivity and unlock further co-benefits.						

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome			Status as at 30 June 2019
Vulnerable Households – Home Energy Assist – Energy Smart Public Housing	0.50	Appendix 10	2.1	2.2	2.3	Active
This program aims to assist Victoria's public housing tenants to improve energy efficiency, thermal comfort and reduce energy bills by replacing inefficient resistance fixed appliances with more efficient heat pump equivalents and upgrading the thermal envelop for 200 dwellings. The program also seeks to develop and implement climate change strategies and greenhouse gas mitigation activities in Victoria's public housing.						
Vulnerable Households – Home Energy Assist – Healthy Homes	1.10	Appendix 10	2.1	2.2	2.3	Active
This program aims to improve thermal comfort and energy efficiency in up to 1,000 homes of Victorians on low incomes who have health problems and vulnerabilities to temperature extremes. The program will collect Australian-first robust statistical evidence on the link between energy efficiency and health.						
Household Component and Cross Sectoral Measures	1.85	Appendix 10	2.1	2.2	2.3	Active
This includes activities to expand the Victorian Energy Upgrades program, improve the energy efficiency of rented homes and consumer access to information that helps with more informed choices about housing that is energy efficient. The activities also include work at the national level to develop and improve energy efficiency standards for appliances and buildings.						
Affordable Upgrades	0.85	Appendix 10	2.1	2.2	2.3	Active
This program aims to improve the energy efficiency of the homes of low income, vulnerable, and disadvantaged Victorians and lower their energy bills.						
Victorian Residential Efficiency Scorecard	1.46	Appendix 10	2.1	2.2	2.3	Active
The overall objective of the program is to improve the energy performance of homes, reduce overall energy use, achieve savings on energy bills and have a positive health impact on households by improvements in the building shell and fixed assets with the home.						
Towards Zero Emission Homes – Volume builders of new homes	0.84	Appendix 10	2.1			Active
This program aims to increase consumer demand for zero net carbon homes and improve supply of these homes by volume builders. Zero Net Carbon homes will be critical to lowering emissions across the residential sector sufficiently to meet the Victorian Government's 2050 zero net emissions target.						
Better Commercial buildings	1.46	Appendix 10	2.1	2.3		Active
The program aims to support building owners, agents, tenants and facilities managers to identify, implement and monitor energy efficiency improvements in commercial buildings and tenancies in Victoria.						



The Plastic Pollution Reference Group with Minister D'Ambrosio

CASE STUDY

REDUCING THE ENVIRONMENTAL IMPACT OF PLASTICS – PLASTIC POLLUTION PREVENTION PLAN AND THE CIRCULAR ECONOMY

Plastic pollution is an urgent environmental problem, of which plastic bags are just one element.

Globally, thousands of tonnes of plastic enter our waterways and oceans each year. It has been estimated that ocean surface waters alone could contain over 5 trillion plastic pieces, weighing over 250,000 tonnes¹.

Plastics in the environment break up into smaller and smaller pieces over time. This means that the impacts of plastic pollution are long term and can become increasingly difficult to manage.

When consulting with industry and the community on banning plastic bags in 2018, a range of other plastic pollution issues were raised, including cigarette butts, food and beverage containers and other single-use plastic items.

In response, the Department of Environment, Land, Water and Planning is identifying and prioritising the most effective actions to prevent plastics ending up in the environment.

To help inform the government, a reference group was established, made up of industry, community, government and environmental representatives. The reference group's expertise is being considered in combination with feedback received during consultation with industry and the community to

develop plastic pollution prevention measures. These will be released later in 2019, as part of Victoria's Circular Economy policy and action plan.

A circular economy continually seeks to reduce the environmental impacts of production and consumption and gain more productive use from natural resources. Transitioning towards a circular economy supports continued economic growth and minimises environmental impacts, including plastic pollution.

Legislative objective

The initiative fosters environmentally sustainable uses of resources and best practices in waste management to advance the social and economic development of Victoria by introducing measures to reduce the environmental impact of plastic pollution in Victoria, informed by consultation with the community and industry.

This project is funded in part from the Plastic Bags Reduction program, which is funded by the Sustainability Fund. The Plastic Bags Reduction program received \$0.57 million in 2018–19 to support various projects.

¹https://www.environment.vic.gov.au/__data/assets/pdf_file/0030/395418/Reducing-the-impacts-of-plastics-on-the-Victorian-environment.pdf

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome		Status as at 30 June 2019
Securing our modern energy future – Renewable Energy Action Plan					
Smart systems, Microgrids and renewable energy gross output price	2.90	Appendix 10	2.1		Active
The Microgrid Smart Trials program aims to facilitate innovative, market driven commercial microgrid demonstration projects to enable lower energy costs, more reliable power and reduced emissions to support Victoria's transition to a low carbon economy. The projects are developed by or include a wide set of relevant stakeholders.					
Energy Storage Initiative	4.00	Appendix 10	2.1		Active
This initiative will deploy two battery storage projects of 20 megawatts minimum capacity in western Victoria. The projects will strengthen the Victorian electrical system by improving reliability and security of the electricity network and drive the development of clean technologies.					
Renewable Certificate Purchasing Initiative (RCPI)	12.24	Appendix 10	2.1		Active
The overall objective of the RCPI program is to accelerate the development of renewable energy projects in Victoria; promote job creation and economic development in regional Victoria where renewable energy projects are located; promote investor confidence in Victoria's renewable energy sector; demonstrate visible leadership in tackling climate change by committing to a meaningful TAKE2 pledge for the transport sector; and contribute to decarbonising Victoria's electricity sector.					
Solar Homes Program					
Solar Homes rebate program expansion	9.09	Appendix 10	2.1	2.3	Active
The objectives of this program are to reduce household energy costs and support community action on climate change, in particular increasing renewable energy production and reduction of Co2 emissions.					

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome			Status as at 30 June 2019
Taking Decisive Action on Climate Change						
Wave climate data to improve coastal climate modelling and projections for Victoria	0.70	Appendix 10	2.3			Active
This program aims to improve the quality of Victoria’s wave climate data and the accuracy of modelled projections of the present and future effects of climate change on coastal hazards.						
Coastal Hazard Assessment for Port Phillip Bay	1.00	Appendix 10	2.2	2.3		Active
This program collects information about current and future climate change related coastal erosion and inundation that will help Victorians to deliver better decision making for Port Phillip Bay. The information and mapping data collected will help to make decisions regarding management of existing built/natural/ cultural assets, as well as inform any proposed future development and emergency response planning.						
Communicating Climate Change Science and Impacts	0.20	Appendix 10	2.3			Active
This program delivers on the commitment in the Climate Change Adaptation Plan to publish authoritative, up-to-date information, accessible and easy to use information about climate change. It will also deliver on the legislative requirements for a Climate Science Report under the new <i>Climate Change Act</i> .						
Supporting Regions to Adapt to Climate Change	2.87	Appendix 10	2.2	2.3		Active
This program assists to develop regional priorities for adaptation to the impacts of climate change based on the impacts the region is likely to experience, the needs and values of regional communities, and work undertaken to date.						
Towards a healthy and resilient marine and coastal future						
Towards a healthy and resilient marine and coastal future	3.81	Appendix 10	2.2	2.3	2.4	Active
This program aims to protect the coastal and marine environment from the impacts associated with climate change. It will help strengthen coastal economies and contribute to safe and healthy coastal communities for the enjoyment of all Victorians.						

	Payments 2018–19 (\$ million)	DELWP Annual Report reference	Expected priority outcome			Status as at 30 June 2019
Understanding and adapting to climate change						
Understanding and Adapting to Climate Change – Mitigation	1.34	Appendix 10	2.1			Active
This program aims to assist the government to reduce Victoria's greenhouse gas emissions and transition toward a net zero economy by establishing five-yearly statewide interim greenhouse gas emissions targets and a framework for associated sector pledges, in accordance with the <i>Climate Change Act 2017</i> ; publish reports on Victoria's greenhouse gas emissions inventory annually in accordance with the Act; and support government achieve operational emissions reduction targets.						
Productive Partnerships	0.07	Appendix 10	2.1	2.3	Active	
The objectives of this program are to build strategically important local and international partnerships to share knowledge, expertise and resources to assist Victoria on its pathway to net zero emissions by 2050 and to climate resilience; and assist delivery of Victoria's climate change policy agenda as outlined in the Victorian Climate Change Framework and required under the <i>Climate Change Act 2017</i> .						
Climate Change Adaptation Plan2	0.92	Appendix 10	2.2	2.3	Active	
This program aims to help build a detailed understanding of Victoria's exposure to climate change risks and impacts. It also seeks to catalyse planning for integrated and effective climate change adaptation, and foster governance and a regulatory environment that supports effective adaptation across government.						
Business Case & Procurement Strategy for Advanced Waste Resource Recovery Technologies	0.15	Appendix 10	1.2	1.3	1.4	Active
This program aims to investigate and provide the evidence base to procure residual waste processing solutions to transition residual waste streams away from landfills in metropolitan Melbourne. This includes outlining the process for councils to cost effectively procure waste management options that achieve better environmental outcomes than existing facilities.						
Leverage Local Government Action to Reduce Emissions	1.63	Appendix 10	2.2	2.3	Active	
This program aims to assist a minimum of 20 disadvantaged councils in regional and rural areas to implement actions to reduce their energy consumption.						
Victorian Litter Plan						
Victorian Litter Plan – Waste Reduction Program 2015–16	0.10	Appendix 10	1.4			Active
This program aims to provide resources and a framework to address litter and illegal dumping issues in local communities; build and share evidence for what does and does not work to prevent local litter and illegal dumping issues; and establish a statewide evidence base for further investment and prioritisation regarding litter and illegal dumping funding and resources.						



CASE STUDY

PERI-URBAN WEEDS MANAGEMENT PARTNERSHIPS PROGRAM

As the interface between the urban and the rural environments, Melbourne's peri-urban area is a strategic battleground in the quest to limit the spread of invasive weeds.

Weed invasion is a serious threat to our biodiversity assets and this threat will continue to increase as climate change strongly favours some invasive species over native species. It is estimated that 40 per cent of threatened ecological communities and 50 per cent of threatened species populations in Australia reside within the urban fringe.

Now, a collaboration between Victoria's six peri-urban municipalities, Victorian Government agencies and local community groups is at the forefront of efforts to protect this vital habitat.

The effort is part of the Peri-Urban Weeds Management Partnerships Program, which is designed to protect key biodiversity assets, such as ecological systems, native flora and fauna in Melbourne's peri-urban areas from high-threat weeds.

The program aims to:

- increase the number of Victorians acting to protect nature in the project areas
- improve the condition of key native habitats within the project areas

- reduce weed threats to key native habitats across tenures and at a landscape scale.

For its role, the collaboration will jointly agree investment priorities, including assets to be protected, management actions, roles and responsibilities. The program funds interventions on public land to protect the highest-value assets under the greatest threat where there is the greatest likelihood of intervention success.

The program operates as a matched-funding partnership between the Victorian and local governments. This approach aims to leverage local government leadership in landscape-scale management of weed threats to public land assets.

Collaborative decision-making by land managers and the community is a highlight of the program to date, resulting in coordinated action on both Crown land and private land via the involvement of private landholders.

Collaborative decision-making by land managers and the community is a highlight of the program to date, resulting in coordinated action on both Crown land and private land via the involvement of private landholders.

The program has already involved 19 government or partner agencies, 22 community groups and more than 3000 private landholders. Integrated action by all stakeholders has already led to a significant reduction in targeted high-threat weeds, with a total reduction in cover of 515 hectares (51 per cent).

Legislative objective

This program fosters community action or innovation in relation to the reduction of greenhouse gas substance emissions or adaptation or adjustment to climate change in Victoria by empowering and engaging key stakeholders to more effectively protect valued biodiversity assets and assisting native ecosystems and species by supporting activities that lead to the mitigation of the impacts of invasive species associated with urban development and climate change.

This project is funded in part from the Sustainability Fund and received \$1.00 million in 2018–19.





CASE STUDY

HOUSEHOLD CHEMICAL COLLECTION PROGRAM

A free, safe and accessible disposal option for high and low-toxicity chemical products has been established, allowing Victorians to make their homes safe.

The Household Chemical Collection Program (previously Detox Your Home) is delivered by Sustainability Victoria in partnership with local governments across the state.

The program acknowledges that household chemicals can be dangerous and can harm families and their pets, add extra fuel to a house fire, release toxic fumes and pollute the environment for future generations.

The program aims to reduce the volume of household chemicals stored around the home and avoid them being inappropriately disposed of down the drain or sent into landfill.

Ninety-four per cent of Victorians are estimated to live within 20 kilometres of a collection point in metropolitan areas, while 84 per cent of regional Victorians are within 50 kilometres.

To help bolster use of the service, direct-marketing strategies were introduced to encourage more householders to attend Detox Your Home pop-up events in metropolitan areas. The events provide access to cost-effective disposal options, increasing participation and the levels of household chemical wastes collected.

This can also lead to the recovery and reuse/recycling of resources from household chemical product waste and packaging.

One such event, held at Doncaster East with the support of Manningham City Council and neighbouring municipalities, as well as the Metropolitan Waste and Resource Recovery Group, drew 670 people, 35 per cent more than previously. Almost 12 tonnes of hazardous chemicals were collected – an average of 17.8 kilograms per householder. Attendees had travelled from across 26 metropolitan councils.

A list of collection points and dates for the disposal of toxic household chemicals through the Detox Your Home service is maintained on Sustainability Victoria's [website](#).

Legislative objective

This program fosters the environmentally sustainable use of resources and best practices in waste management to advance the social and economic development of Victoria by supporting the responsible management of waste. The Victorian community also gains a better understanding of the need, operation and value of the waste and resource recovery system.

This project is funded in part from the Sustainability Fund and received \$0.50 million in 2018–19.

GRANTS AND PROJECTS FUNDED BY THE SUSTAINABILITY FUND 2018–19

Program – Better Commercial Buildings Grant Program

Better Commercial Building Grants support commercial building owners, agents, tenants and facility managers to evaluate and implement building energy efficiency improvements.

Recipient	Project	Funding support 2018–19 (\$)
456 Lonsdale St Pty Ltd as Trustee for Rosshandler Lonsdale St Trust	Lonsdale St Trust - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	21,200
490 Spencer St Pty Ltd	490 Spencer St Pty Ltd - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	25,000
616 St Kilda Joint Venture – Primewest 607 Bourke	616 St Kilda Joint Venture – Primewest 607 Bourke - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	20,000
616 St Kilda Joint Venture	CBM Australia - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	20,000
Amora Hotel Riverwalk	Amora Hotel Riverwalk - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	22,727
Best Western Apollo Bay	Best Western Apollo Bay - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	2,440
BMG United Investments Pty Ltd	BMG United Investments Pty Ltd - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	5,000
CBM Australia	CBM Australia - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	25,000
Developments Exhibition Pty Ltd	Developments Exhibition Pty Ltd - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	25,000
Garda Capital Limited	Garda Capital Limited - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	3,870
Globe International	Globe International - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	5,000

Recipient	Project	Funding support 2018–19 (\$)
Hotel Lindrum	Hotel Lindrum - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	3,000
Investec	Investec - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	5,000
Marysborough golf club	Marysborough golf club - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	3,237
Melbourne Marriott Hotel	Melbourne Marriott Hotel - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	23,000
Northpoint	Northpoint - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	25,000
Petherbrige Family Superannuation Fund (Upsndown Investments)	Petherbrige Family Superannuation Fund (Upsndown Investments) - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	3,250
RACV Club	RACV Club - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	5,000
RACV Centre Noble Park	RACV Centre Noble Park - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	23,302
RACV Eagle House	RACV Eagle House - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	22,270
RE Funds Management Pty Ltd	RE Funds Management Pty Ltd - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	20,000
Ross House Association	Ross House Association - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	25,000
Salland Nominees	Salland Nominees - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	5,000
Salta properties (West) - 37 Dunlop Rd	Salta properties (West) - 37 Dunlop Rd - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	22,772
Salta properties (West) - 1 Nexus	Salta properties (West) - 1 Nexus - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	23,182
Salta properties (West) - 2 Nexus	Salta properties (West) - 2 Nexus - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	22,772

Recipient	Project	Funding support 2018–19 (\$)
Salta properties (West) – 4 Nexus	Salta properties (West) - 4 Nexus - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	22,892
Small Giants	Small Giants - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	2,273
Stockland Property Management Pty Ltd – Point Cook Shopping Centre	Stockland Property Management Pty Ltd – Point Cook Shopping Centre - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	3,850
Stockland Property Management Pty Ltd – Traralgon Shopping Centre	Stockland Property Management Pty Ltd – Traralgon Shopping Centre - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	3,850
Stockland Property Management Pty Ltd – Wendouree Shopping Centre	Stockland Property Management Pty Ltd – Wendouree Shopping Centre - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	3,850
Taras Nominees - Richmond	Taras Nominees - Richmond - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	18,600
Taras Nominees - Greensborough	Taras Nominees - Greensborough - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	19,800
Victoria Gardens Development Pty Ltd	Victoria Gardens Development Pty Ltd - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	22,400
Wheeler's Hill Shopping Centre	Wheeler's Hill Shopping Centre - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	20,000
Yarra Valley Lodge Pty Ltd	Yarra Valley Lodge Pty Ltd - Better Commercial Buildings Evaluate and undertake commercial building energy upgrades/improvements	23,000

Program – SV Business - Boosting Business Productivity

The *Boosting Business Productivity program* supports industry associations, business networks and Registered Training Organisations to improve energy efficiency and to establish the foundation for a market shift in the efficient use of energy across the sector.

It also supports capability building for small and medium sized businesses (SMEs) through industry associations grants to support industry associations, business networks and Registered Training Organisations to build the knowledge and skills in energy efficiency among SMEs.

Recipient	Project	Funding support 2018–19 (\$)
Australian Industry Group (Ai Group)	Long Term Energy Efficiency Capability Program Provide a multi-learning pathway on energy efficiency for SME manufacturers. Business employees will participate in workshops, one on one mentoring and business coaching.	70,000
Australian Refrigeration Association	Refrigeration Operational and Energy Performance Benchmarking Install remote monitoring equipment on refrigeration systems in retail food services and instruct business operators on how to apply the data in managing energy use. The data collected will be used to benchmark the energy performance of refrigeration units.	60,000
Bayside City Council	Golden Opportunities Provide training and workshops in energy efficiency for operations managers of aged cared facilities in the City of Bayside.	\$5,000
Melbourne Polytechnic	Next Generation Electricians In partnership with Energy Skills Australia develop and pilot a new Certificate IV in Energy Management and Control to qualified electricians. The course will address skills gaps in energy management for mainstream electricians and provide a career pathway.	\$30,000
Nillumbik Shire Council	Enabling Energy Efficiency Develop an energy efficiency training package that will be delivered to operators of food service providers in the Shire of Nillumbik. The training package will include on-site energy audits and assistance to set energy-related goals.	\$5,180
Vegetable Growers Association of Victoria (AUSVEG VIC)	Victorian Vegetable Growers Energy Efficiency Program Provide vegetable growers with high energy use with onsite training and access to an online energy efficiency calculator. The project will benchmark energy use in the industry and support measurable energy saving outcomes for the participating growers.	\$45,500

Program – SV Business – Boosting Productivity Energy Assessment Grants

Energy Assessment Grants support businesses spending over \$20,000 a year on energy, to commission a basic or detailed energy assessment to identify and implement energy improvements. A basic assessment looks at easy-to-implement, lower cost opportunities. The assessment focuses on projects providing under a two-year return investment. A detailed assessment goes into further details, demands a higher level of accuracy and can evaluate longer return on investment opportunities (up to five years and beyond).

Recipient	Project	Funding support 2018–19 (\$)
Adaptalift (PC Investments)	Energy Assessment - Adaptalift (PC Investments) Basic Energy Assessment	2,000
Alba Cheese Pty Ltd	Energy Assessment - Alba Cheese Pty Ltd Detailed Energy Assessment	3,000
Apollo Bay Fishermen's Co-Operative Society Ltd	Energy Assessment - Apollo Bay Fishermen's Co-Operative Society Ltd Basic Energy Assessment	9,000
Apollo Bay Hotel	Energy Assessment - Apollo Bay Hotel Basic Energy Assessment	6,342
Ararat Abattoirs Pty Ltd	Energy Assessment - Ararat Abattoirs Pty Ltd Detailed Energy Assessment	12,500
Arcare Aged Care	Energy Assessment - Arcare Aged Care Detailed Energy Assessment	29,900
Asahi Premium Beverages Pty Ltd	Energy Assessment - Asahi Premium Beverages Pty Ltd Detailed Energy Assessment	8,250
Ausfresh Pty Ltd	Energy Assessment - Ausfresh Pty Ltd Detailed Energy Assessment	13,800
Australian Brewers Guild Pty Ltd	Energy Assessment - Australian Brewers Guild Pty Ltd Basic Energy Assessment	2,000
Ballarat Schnitzels Pty Ltd	Energy Assessment - Ballarat Schnitzels Pty Ltd Basic Energy Assessment	6,950.45
Bayley House	Energy Assessment - Bayley House Basic Energy Assessment	3,000
Bendigo Stadium Ltd	Energy Assessment - Bendigo Stadium Ltd Detailed Energy Assessment	10,840
Boge Elastmetall Australia	Energy Assessment - Boge Elastmetall Australia Basic Energy Assessment	2,000
Bombardier Transportation Australia Pty Ltd	Energy Assessment - Bombardier Transportation Australia Pty Ltd Detailed Energy Assessment	6,550
Bradwell Dairy Co Pty Ltd	Energy Assessment - Bradwell Dairy Co Pty Ltd Basic Energy Assessment	3,000
Britannia Metal Industries (Victoria) Pty Ltd	Energy Assessment - Britannia Metal Industries (Vic) Pty Ltd Detailed Energy Assessment and Materials Pilot	4,540
Britton Timbers Processing Pty Ltd (Premier Wood Machining Services)	Energy Assessment - Britton Timbers Processing Pty Ltd (Premier Wood Machining Services) Detailed Energy Assessment	3,275

Recipient	Project	Funding support 2018–19 (\$)
Bromac Farming	Energy Assessment - Bromac Farming Detailed Energy Assessment	6,475.10
Burra Foods Pty Ltd	Energy Assessment - Burra Foods Pty Ltd Detailed Energy Assessment	3,000
Butler Market Gardens Pty Ltd	Energy Assessment - Butler Market Gardens Pty Ltd Detailed Energy Assessment	13,930
Caltex Australia Petroleum Pty Ltd	Energy Assessment - Caltex Australia Petroleum Pty Ltd Basic Energy Assessment	1,200
Campbell Australia Pty Ltd	Energy Assessment - Campbell Australia Pty Ltd Detailed Energy Assessment	14,277
Capilano Honey Ltd	Energy Assessment - Capilano Honey Ltd Basic Energy Assessment	5,000
Caps and Closures Pty Ltd	Energy Assessment - Caps and Closures Pty Ltd Detailed Energy Assessment	5,000
Catalent Australia Pty Ltd	Energy Assessment - Catalent Australia Pty Ltd Detailed Energy Assessment	2,999
Champion Pictures Pty Ltd	Energy Assessment - Champion Pictures Pty Ltd Detailed Energy Assessment	14,118.60
Christian Youth Camps Ltd	Energy Assessment - Christian Youth Camps Ltd Detailed Energy Assessment	3,000
Class Plastics Aust Pty Ltd	Energy Assessment - Class Plastics Aust Pty Ltd Detailed Energy Assessment	9,000
Colonial Brewing Co	Energy Assessment - Colonial Brewing Co Detailed Energy Assessment	3,000
Complete POD Solutions Pty Ltd	Energy Assessment - Complete POD Solutions Pty Ltd Detailed Energy Assessment	11,948.16
Composite Materials Engineering Pty Ltd (CME)	Energy Assessment - Composite Materials Engineering Pty Ltd (CME) Detailed Energy Assessment	10,765
Coolibah Herbs	Energy Assessment - Coolibah Herbs Detailed Energy Assessment	15,000
Corafield Farms	Energy Assessment - Corafield Farms Detailed Energy Assessment	6,200
Corrigan Produce Farms	Energy Assessment - Corrigan Produce Farms Detailed Energy Assessment	16,379.27
Croc's Playcentre and Café Narre Warren	Energy Assessment - Croc's Playcentre and Café Narre Warren Basic Energy Assessment	1,394
Crown Melbourne Ltd	Energy Assessment - Crown Melbourne Ltd Detailed Energy Assessment	7,600
CW Droppert and SH Jefford (Clydebank Dairy)	Energy Assessment - CW Droppert and SH Jefford (Clydebank Dairy) Detailed Energy Assessment	3,000
Dicky Bill Farming Pty Ltd	Energy Assessment - Dick Bill Farming Pty Ltd Detailed Energy Assessment	12,170

Recipient	Project	Funding support 2018–19 (\$)
Denso Australia Pty Ltd	Energy Assessment - Denso Australia Pty Ltd Basic Energy Assessment	5,000
Ego Pharmaceuticals Pty Ltd	Energy Assessment - Ego Pharmaceuticals Pty Ltd Detailed Energy Assessment	14,582.50
Enviropacific Services Pty Ltd	Energy Assessment - Enviropacific Services Pty Ltd Detailed Energy Assessment	15,000
Eirenclare Farms	Energy Assessment - Eirenclare Farms Detailed Energy Assessment	7,352.28
Exquisite Pty Ltd	Energy Assessment - Exquisite Pty Ltd Detailed Energy Assessment	4,200
Faith Christian Church Inc	Energy Assessment - Faith Christian Church Inc Detailed Energy Assessment	6,820
Falls Creek Ski Lifts Pty Ltd	Energy Assessment - Falls Creek Ski Lifts Pty Ltd Detailed Energy Assessment	30,000
Flavorite Hydroponic Tomatoes Pty Ltd	Energy Assessment - Flavorite Hydroponic Tomatoes Pty Ltd Detailed Energy Assessment	12,000
Foamex Victoria Pty Ltd	Energy Assessment - Foamex Victoria Pty Ltd Detailed Energy Assessment	13,000
Forth Farm Produce Pty Ltd T/A Riverside Produce	Energy Assessment - Forth Farm Produce Pty Ltd T/A Riverside Produce Detailed Energy Assessment	11,380
Frangapane Farms	Energy Assessment - Frangapane Farms Detailed Energy Assessment	14,000
Fresh Fields Mushrooms Victoria Pty Ltd	Energy Assessment - Fresh Fields Mushrooms Victoria Pty Ltd Detailed Energy Assessment	8,355
Froniditha Care	Energy Assessment - Froniditha Care Detailed Energy Assessment	28,005
Gazzola Farms Pty Ltd	Energy Assessment - Gazzola Farms Pty Ltd Detailed Energy Assessment	9,000
Geelong Glass and Aluminium Pty Ltd	Energy Assessment - Geelong Glass and Aluminium Pty Ltd Detailed Energy Assessment	14,000
Gray Wigg Pty Ltd	Energy Assessment - Gray Wigg Pty Ltd Detailed Energy Assessment	9,071.10
Great Ocean Road Coast Committee Inc	Energy Assessment - Great Ocean Road Coast Committee Inc Detailed Energy Assessment	13,000
The Great Stupa Ltd	Energy Assessment - The Great Stupa Ltd Detailed Energy Assessment	8,344.10
Green Onions Pty Ltd	Energy Assessment - Green Onions Pty Ltd Basic Energy Assessment	5,000
Guzman Y Gomez	Energy Assessment - Guzman Y Gomez Basic Energy Assessment	10,000
Hayleycross Pty Ltd	Energy Assessment - Hayleycross Pty Ltd Detailed Energy Assessment	6,250

Recipient	Project	Funding support 2018–19 (\$)
Homestyle Aged Care Services Pty Ltd	Energy Assessment - Homestyle Aged Care Services Pty Ltd Detailed Energy Assessment	6,000
Horsham Sports and Community Club	Energy Assessment - Horsham Sports and Community Club Detailed Energy Assessment	9,125
Hydraulic Pneumatic Pty Ltd	Energy Assessment - Hydraulic Pneumatic Pty Ltd Basic Energy Assessment	2,000
Idyll Wine Co Pty Ltd	Energy Assessment - Idyll Wine Co Pty Ltd Detailed Energy Assessment	393
IGA Cheltenham	Energy Assessment - IGA Cheltenham Detailed Energy Assessment	5,000
Indochinese Elderly Refugees Association Vic Inc	Energy Assessment - Indochinese Elderly Refugees Association Vic Inc Detailed Energy Assessment	5,125
Ingenia Ina Operations Pty Ltd	Energy Assessment - Ingenia Ina Operations Pty Ltd Detailed Energy Assessment	4,450
Innstay Serviced Apartments	Energy Assessment - Innstay Serviced Apartments Basic Energy Assessment	1,800
Input Fitness Health Club (Style @ Sur Pty Ltd)	Energy Assessment - Input Fitness Health Club (Style @ Sur Pty Ltd) Detailed Energy Assessment	3,000
Jalplas Pty Ltd	Energy Assessment - Jalplas Pty Ltd Detailed Energy Assessment	15,835.70
KFC Ararat	Energy Assessment - KFC Ararat Detailed Energy Assessment	8,750
Kingfield Galvanizing Pty Ltd	Energy Assessment - Kingfield Galvanizing Pty Ltd Detailed Energy Assessment	9,750
Manpak Pty Ltd	Energy Assessment - Manpak Pty Ltd Detailed Energy Assessment	12,400
Marand Precision Engineering Pty Ltd	Energy Assessment - Marand Precision Engineering Pty Ltd Detailed Energy Assessment	9,000
Mason Brothers Vegetable Farms	Energy Assessment - Mason Brothers Vegetable Farms Detailed Energy Assessment	5,910
MCC Corp Pty Ltd (MCC Meats)	Energy Assessment - MCC Corp Pty Ltd (MCC Meats) Detailed Energy Assessment	8,485
McDonald's Niddrie	Energy Assessment - McDonald's Niddrie Detailed Energy Assessment	4,290
Mildura Golf Resort	Energy Assessment - Mildura Golf Resort Detailed Energy Assessment	12,850
Moondarra Cheese Pty Ltd	Energy Assessment - Moondarra Cheese Pty Ltd Detailed Energy Assessment	3,000
Nando's Australia Pty Ltd	Energy Assessment - Nando's Australia Pty Ltd Detailed Energy Assessment	10,600
NCI Packaging (Tullamarine)	Energy Assessment - NCI Packaging (Tullamarine) Detailed Energy Assessment	3,000

Recipient	Project	Funding support 2018–19 (\$)
NCI Packaging (Preston)	Energy Assessment - NCI Packaging (Preston) Detailed Energy Assessment	2,760.80
Neerim District Health Service	Energy Assessment - Neerim District Health Service Detailed Energy Assessment	3,000
New World Whisky Distillery Pty Ltd	Energy Assessment - New World Whisky Distillery Pty Ltd Detailed Energy Assessment	8,500
Nillumbik Community Health Service Ltd (healthAbility)	Energy Assessment - Nillumbik Community Health Service Ltd (healthAbility) Detailed Energy Assessment	2,250
Omniblend Pty Ltd	Energy Assessment - Omniblend Pty Ltd Detailed Energy Assessment	3,000
Pakenham and District Hospital Inc (Millhaven Lodge)	Energy Assessment - Pakenham and District Hospital Inc (Millhaven Lodge) Detailed Energy Assessment	1,250
Peter Schreurs and Sons	Energy Assessment - Peter Schreurs and Sons Detailed Energy Assessment	12,560
Planex Sales Pty Ltd	Energy Assessment - Planex Sales Pty Ltd Detailed Energy Assessment	3,000
Portikal Eleven	Energy Assessment - Portikal Eleven Detailed Energy Assessment	8,875.40
Precision Plating (Aust) Pty Ltd	Energy Assessment - Precision Plating (Aust) Pty Ltd Basic Energy Assessment	2,000
Prydes Confectionary Victoria Pty Ltd (Knoxfield site)	Energy Assessment - Prydes Confectionary Victoria Pty Ltd (Knoxfield site) Detailed Energy Assessment	2,547.70
Prydes Confectionary Victoria Pty Ltd (Broadmeadows site)	Energy Assessment - Prydes Confectionary Victoria Pty Ltd (Broadmeadows site) Detailed Energy Assessment	3,000
Quality Bakers Australia Pty Ltd (Goodman Fielder)	Energy Assessment - Quality Bakers Australia Pty Ltd (Goodman Fielder) Detailed Energy Assessment	12,080
Rawson Village, Hollowacare Forest Edge. Aveo and Chromagen	Energy Assessment - Rawson Village, Hollowacare Forest Edge. Aveo and Chromagen Basic Energy Assessments	13,000
Royal Automobile Club of Victoria (RACV) Ltd	Energy Assessment - Royal Automobile Club of Victoria (RACV) Ltd Detailed Energy Assessment	5,000
Rawson Caravan Park	Energy Assessment - Rawson Caravan Park Detailed Energy Assessment	5,000
Red Rooster Foods Pty Ltd	Energy Assessment - Red Rooster Foods Pty Ltd Basic Energy Assessment	4,125
Regis Aged Care Pty Ltd	Energy Assessment - Regis Aged Care Pty Ltd Detailed Energy Assessment	28,408
Robert Bosch (Australia) Pty Ltd	Energy Assessment - Robert Bosch (Australia) Pty Ltd Detailed Energy Assessment	20,000

Recipient	Project	Funding support 2018–19 (\$)
Rutherford Orchards	Energy Assessment - Rutherford Orchards Basic Energy Assessment	5,000
Rutherglen IGA	Energy Assessment - Rutherglen IGA Basic Energy Assessment	7,930
Saputo Dairy Australia Pty Ltd	Energy Assessment - Saputo Dairy Australia Pty Ltd Detailed Energy Assessment	36,000
Schreurs and Sons	Energy Assessment - Schreurs and Sons Detailed Energy Assessment	19,545.45
Secura Lifestyle Shepparton East	Energy Assessment - Secura Lifestyle Shepparton East Basic Energy Assessment	2,000
Secura Lifestyle (Big 4 Borderland Wodonga)	Energy Assessment - Secura Lifestyle (Big 4 Borderland Wodonga) Basic Energy Assessment	5,000
Sims Group Australia Holdings Ltd (Sims Metal)	Energy Assessment - Sims Group Australia Holdings Ltd (Sims Metal) Detailed Energy Assessment	23,980
Southern Advanced Plants	Energy Assessment - Smart Power Utilities Basic Energy Assessment	3,200
South Coast Junior Aquatics	Energy Assessment - South Coast Junior Aquatics Basic Energy Assessment	5,000
South Food Group Pty Ltd (Casalingo Smallgoods)	Energy Assessment - South Food Group Pty Ltd (Casalingo Smallgoods) Detailed Energy Assessment	3,000
Sri Ananda Bhavan	Energy Assessment - Sri Ananda Bhavan Basic Energy Assessment	4,772.73
Steel Mains Pty Ltd	Energy Assessment - Steel Mains Pty Ltd Detailed Energy Assessment	7,281.33
Sterling Plating Pty Ltd	Energy Assessment - Sterling Plating Pty Ltd Basic Energy Assessment	5,000
Stokehouse Pty Ltd	Energy Assessment - Stokehouse Pty Ltd Detailed Energy Assessment	12,500
Stomping Ground Brewing Co Pty Ltd	Energy Assessment - Stomping Ground Brewing Co Pty Ltd Detailed Energy Assessment	2,869
Stuart Wines Company Pty Ltd	Energy Assessment - Stuart Wines Company Pty Ltd Detailed Energy Assessment	4,995
Sun Pharmaceutical Industries (Australia) Pty Ltd	Energy Assessment - Sun Pharmaceutical Industries (Australia) Pty Ltd Detailed Energy Assessment	6,397.50
Sunbury United Sporting Club	Energy Assessment - Sunbury United Sporting Club Detailed Energy Assessment	8,700
Suncorp Corporate Services Pty Ltd	Energy Assessment - Suncorp Corporate Services Pty Ltd Detailed Energy Assessment	2,250

Recipient	Project	Funding support 2018–19 (\$)
Swan Hill Truck City, Ferntree Gully Holden, BP One Stop, Ferntree Gully Nissan, Knox Isuzu (Ferntree Gully Isuzu), Mildura Truck Centre, Shepparton Truck Centre, Swan Hill Kia, Swan Hill Toyota, Twin City Truck Centre and One Stop Car Wash	Energy Assessment – Smart Power Utilities Basic Energy Assessment	23,800
Tempo Foods	Energy Assessment - Tempo Foods Detailed Energy Assessment	9,900
The Delatite Hotel	Energy Assessment - The Delatite Hotel Detailed Energy Assessment	1,964
The Royal Melbourne Golf Club Inc	The Royal Melbourne Golf Club Inc Detailed Energy Assessment	10,700
The Dog Pty Ltd (Skinny Dog Hotel)	Energy Assessment - The Dog Pty Ltd (Skinny Dog Hotel) Detailed Energy Assessment	3,450
Trios Pty Ltd (Time out Melbourne)	Energy Assessment - Trios Pty Ltd (Time out Melbourne) Basic Energy Assessment	5,000
Value Heat Treatment	Energy Assessment - Value Heat Treatment Detailed Energy Assessment	9,000
Veli Velisha Fresh Produce Pty Ltd	Energy Assessment - Veli Velisha Fresh Produce Pty Ltd Detailed Energy Assessment	15,000
VicSpa, Portland Cool Store and Warragul Dry Cleaners	Energy Assessment - VicSpa, Portland Cool Store and Warragul Dry Cleaners Basic Energy Assessments	9,000
Viva Energy Australia Pty Ltd	Energy Assessment - Viva Energy Australia Pty Ltd Detailed Energy Assessment	10,931.80
Watermill Resources Pty Ltd	Energy Assessments - Jamieson Caravan Park, The Boulevard Caravan Park, Stratford on the River Tourist Park, Eidon Pondage Caravan Park, Big 4 Castlemaine and Yarram Holiday Park Basic Energy Assessment	23,978.63
Woodlands Golf Club	Energy Assessment - Woodlands Golf Club Detailed Energy Assessment	7,190
Yarra Glen Grand Hotel	Energy Assessment - Yarra Glen Grand Hotel Detailed Energy Assessment	8,450
Yering Station	Energy Assessment - Yering Station Detailed Energy Assessment	5,475

Program – **SV Business – Boosting Productivity Materials Assessment Grant**

Materials assessment grants support businesses to engage a consultant to identify material efficiency improvements and opportunities to lower business costs and divert materials sent to landfill.

Recipient	Project	Funding support 2018–19 (\$)
One Paper Industries Aus Pty Ltd	One Paper Industries Aus Pty Ltd Detailed Materials Assessment	10,000
Planex Sales Pty Ltd	Planex Sales Pty Ltd Detailed Materials Assessment	11,505
Treasury Wine Estates Vintners Ltd	Treasury Wine Estates Vintners Ltd Detailed Materials Assessment	9,883.64
Alba Cheese Pty Ltd	Alba Cheese Pty Ltd Detailed Materials Assessment	3,000
Don KRC	Don KRC Detailed Materials Assessment	9,880
Mitchell Harris Pty Ltd	Mitchell Harris Pty Ltd Detailed Materials Assessment	12,632.50
Nature's Best	Nature's Best Detailed Materials Assessment	6,000

Program – Non-Regulatory Support for E-Waste Landfill Ban

This program informs Victorians of the environmental and health related impacts of e-waste and how to appropriately manage e-waste as well as engage stakeholders to support practical and effective design and implementation, and ensure that collection, storage, transportation and processing of e-waste is conducted to a high standard and provide support to build the capacity and capability of those managing e-waste.

Recipient	Project	Funding support 2018–19 (\$)
Ararat Rural City Council	Ararat Resource Recovery Centre E-waste infrastructure upgrade	30,000
Ballarat City Council	Ballarat Transfer Station E-waste infrastructure upgrade	29,145
Barwon South West Waste and Resource Recovery Group	Barwon South West Waste and Resource Recovery Group E-waste education campaign grant	45,000
Bass Coast Shire Council	Cowes Recycling Facility E-waste infrastructure upgrade	28,695.30
Bass Coast Shire Council	Wonthaggi Transfer Station E-waste infrastructure upgrade	28,695.30
Bass Coast Shire Council	Grantville Resource Recovery Centre E-waste infrastructure upgrade	28,695.30
Baw Baw Shire Council	Lardner Transfer Station E-waste infrastructure upgrade	80,000
Baw Baw Shire Council	Neerim South Transfer Station E-waste infrastructure upgrade	67,068
Baw Baw Shire Council	Trafalgar Transfer Station E-waste infrastructure upgrade	71,248
Bayside City Council	Bayside Waste and Recycling Centre E-waste infrastructure upgrade	30,000
Bayside City Council	Bayside City Council E-waste education campaign grant	5,000
Boroondara City Council	Boroondara City Council E-waste education campaign grant	6,965
Brimbank City Council	Brimbank City Council Detox Centre E-waste infrastructure upgrade	20,507.70
Brimbank City Council	Brimbank City Council E-waste education campaign grant	7,000
Buloke Shire Council	Birchip Landfill E-waste infrastructure upgrade	27,716.18
Buloke Shire Council	Sea Lake Resource Recovery Facility E-waste infrastructure upgrade	19,750.26
Campaspe Shire Council	Mt Scobie Environment Centre E-waste infrastructure upgrade	26,940
Campaspe Shire Council	Echuca Environment Centre E-waste infrastructure upgrade	28,080
Campaspe Shire Council	Rushworth Transfer Station E-waste infrastructure upgrade	29,880

Recipient	Project	Funding support 2018–19 (\$)
Campaspe Shire Council	Rochester Transfer Station and Resource Recovery E-waste infrastructure upgrade at	15,405
Cardinia Shire Council	Cardinia Shire Council E-waste education campaign grant	7,000
Central Goldfields Shire Council	Carisbrook Transfer Station E-waste infrastructure upgrade	30,000
City of Darebin	City of Darebin E-waste education campaign grant	7,000
City of Greater Dandenong	City of Greater Dandenong E-waste education campaign grant	6,895
City of Greater Geelong	Drysdale Resource Recovery Centre and Transfer Station E-waste infrastructure upgrade	30,000
City of Greater Geelong	North Geelong Resource Recovery Centre E-waste infrastructure upgrade	30,000
Colac Otway Shire Council	Alvie Transfer Station E-waste infrastructure upgrade	1,181.78
Corangamite Shire Council	Corangamite (Naroghid) Regional Resource Recovery E-waste infrastructure upgrade	30,000
Corangamite Shire Council	Timboon Transfer Station and Resource Recovery E-waste infrastructure upgrade	30,000
East Gippsland Shire Council	Bairnsdale RRC E-waste infrastructure upgrade	30,000
East Gippsland Shire Council	Bruthen Transfer Station E-waste infrastructure upgrade	30,356.40
East Gippsland Shire Council	Mallacoota Transfer Station E-waste infrastructure upgrade	27,319.01
East Gippsland Shire Council	Omeo Recycling and Recovery Transfer Centre E-waste infrastructure upgrade	18,146.38
East Gippsland Shire Council	Orbost Transfer Station E-waste infrastructure upgrade	16,946.65
Frankston City Council	Frankston Regional Recycling and Recovery Centre E-waste infrastructure upgrade	30,000
Gannawarra Shire Council	Kerang Transfer Station E-waste infrastructure upgrade	34,467
Gannawarra Shire Council	Cohuna Transfer Station E-waste infrastructure upgrade	34,492
Gippsland Waste and Resource Recovery Group	Gippsland Waste and Resource Recovery Group E-waste education campaign grant	30,000
Golden Plains Shire Council	Rokewood Transfer Station E-waste infrastructure upgrade	79,240
Goulburn Valley Waste and Resource Recovery Group	Goulburn Valley Waste and Resource Recovery Group E-waste education campaign grant	30,000

Recipient	Project	Funding support 2018–19 (\$)
Grampians Central West Waste and Resource Recovery Group	Grampians Central West Waste and Resource Recovery Group E-waste education campaign grant	60,000
Greater Bendigo City Council	Eaglehawk Recovery and Sales Yard E-waste infrastructure upgrade	29,700
Greater Bendigo City Council	Heathcote Transfer Station E-waste infrastructure upgrade	21,600
Greater Bendigo City Council	Strathfieldsaye Transfer Station E-waste infrastructure upgrade	29,700
Hepburn Shire Council	Creswick Transfer Station and Resale Centre E-waste infrastructure upgrade	26,625
Hepburn Shire Council	Daylesford Transfer Station and Resale Centre E-waste infrastructure upgrade	26,625
Hindmarsh Shire Council	Dimboola Transfer Station E-waste infrastructure upgrade	30,000
Hindmarsh Shire Council	Nhill Transfer Station E-waste infrastructure upgrade	30,000
Hobsons Bay City Council	Hobsons Bay City Council E-waste education campaign grant	3,150
Hume City Council	Hume City Council E-waste education campaign grant	6,958
Indigo Shire Council	Beechworth Transfer Station E-waste infrastructure upgrade	28,907
Indigo Shire Council	Rutherglen Transfer Station E-waste infrastructure upgrade	26,419
Knox City Council	Knox City Council E-waste education campaign grant	7,000
Knox Transfer Station	Wesburn Recovery and Waste Transfer Station E-waste infrastructure upgrade	7,024
Loddon Mallee Waste and Resource Recovery Group	Loddon Mallee Waste and Resource Recovery Group E-waste education campaign grant	25,500
Loddon Shire Council	Boort landfill and recycle E-waste infrastructure upgrade	27,570
Loddon Shire Council	Inglewood Transfer Station E-waste infrastructure upgrade	17,328
Macedon Ranges Shire Council	Woodend Transfer Station E-waste infrastructure upgrade	27,447
Macedon Ranges Shire Council	Kyneton Transfer Station E-waste infrastructure upgrade	29,874
Macedon Ranges Shire Council	Romsey Resource Recovery and Transfer Station E-waste infrastructure upgrade	26,580
Mansfield Shire Council	Mansfield Resource Recovery Centre E-waste infrastructure upgrade	29,194

Recipient	Project	Funding support 2018–19 (\$)
Maribyrnong City Council	Maribyrnong City Council E-waste education campaign grant	7,000
Melbourne City Council	Melbourne City Council E-waste education campaign grant	7,000
Mitchell Shire Council	Broadford Transfer Station E-waste infrastructure upgrade	30,000
Mitchell Shire Council	Wallan Transfer Station E-waste infrastructure upgrade	30,000
Moira Shire Council	Cobram Resource Recovery Centre E-waste infrastructure upgrade	30,000
Moira Shire Council	Nathalia Transfer Station E-waste infrastructure upgrade	30,000
Moira Shire Council	Numurkah Transfer Station E-waste infrastructure upgrade	30,000
Moira Shire Council	Yarrawonga Transfer Station E-waste infrastructure upgrade	30,000
Monash City Council	Monash City Council E-waste education campaign grant	7,000
Moonee Valley City Council	Moonee Valley Transfer Station E-waste infrastructure upgrade	100,000
Moorabool Shire Council	Bacchus Marsh Transfer Station E-waste infrastructure upgrade	29,995
Moorabool Shire Council	Ballan Transfer Station E-waste infrastructure upgrade	18,387
Mornington Peninsula Shire Council	Mornington Transfer Station E-waste infrastructure upgrade	28,430
Mornington Peninsula Shire Council	Rye Resource Recovery Centre E-waste infrastructure upgrade	27,630
Mornington Peninsula Shire Council	Tyabb Transfer Station E-waste infrastructure upgrade	25,738
Mornington Peninsula Shire Council	Mornington Peninsula Shire Council E-waste education campaign grant	6,965
Mount Alexander Shire Council	Maldon Transfer Station E-waste infrastructure upgrade	22,500
Mount Hotham Alpine Resort Management Board	Mt Hotham Resource Recovery Centre E-waste infrastructure upgrade	15,000
Moyne Shire Council	Killarney Transfer Station E-waste infrastructure upgrade	30,000
Moyne Shire Council	Mortlake Transfer Station and Resource Recovery Facility E-waste infrastructure upgrade	30,000
Mt Buller Mt Stirling Resort Alpine Management Board	Mt Buller Transfer Station E-waste infrastructure upgrade	29,250

Recipient	Project	Funding support 2018–19 (\$)
Murrindindi Shire Council	Kinglake Transfer Station E-waste infrastructure upgrade	29,850
Murrindindi Shire Council	Alexandra Resource Recovery Centre E-waste infrastructure upgrade	29,850
Nillumbik Shire Council	Nillumbik Shire Council E-waste education campaign grant	7,000
North East Waste and Resource Recovery Group	North East Waste and Resource Recovery Group E-waste education campaign grant	50,000
Northern Grampians Shire Council	St Arnaud Transfer Station and Landfill E-waste infrastructure upgrade	30,000
Northern Grampians Shire Council	Stawell Transfer Station E-waste infrastructure upgrade	30,000
Port Phillip City Council	Port Phillip Transfer Station (the Depot) E-waste infrastructure upgrade	14,217
Pyrenees Shire Council	Avoca Transfer Station E-waste infrastructure upgrade	80,000
Pyrenees Shire Council	Beaufort Transfer Station E-waste infrastructure upgrade	79,804
Pyrenees Shire Council	Snake Valley Transfer Station E-waste infrastructure upgrade	20,000
Strathbogie Shire Council	Euroa Transfer Station E-waste infrastructure upgrade	26,384
Strathbogie Shire Council	Nagambie Transfer Station E-waste infrastructure upgrade	12,553
South Gippsland Shire Council	Koonwarra Transfer Station Koonwarra E-waste infrastructure upgrade	30,000
South Gippsland Shire Council	Foster Transfer Station E-waste infrastructure upgrade	30,000
South Gippsland Shire Council	Korumburra Transfer Station E-waste infrastructure upgrade	30,000
South Gippsland Shire Council	Mirboo North Transfer Station E-waste infrastructure upgrade	30,000
South Gippsland Shire Council	Venus Bay Transfer Station E-waste infrastructure upgrade	30,000
Southern Grampians Shire Council	Hamilton Resource Recovery Centre E-waste infrastructure upgrade	100,000
Stonnington City Council	Stonnington Waste Transfer Station E-waste infrastructure upgrade	7,500
Surf Coast Shire Council	Lorne Transfer Station and Resource Recovery Facility E-waste infrastructure upgrade	20,000
Surf Coast Shire Council	Winchelsea Transfer Station E-waste infrastructure upgrade	30,000

Recipient	Project	Funding support 2018–19 (\$)
Swan Hill Rural City Council	Swan Hill Big Green Shed E-waste infrastructure upgrade	30,000
Swan Hill Rural City Council	Robinvale Landfill and transfer station E-waste infrastructure upgrade	30,000
Towong Shire Council	Tallangatta Transfer Station E-waste infrastructure upgrade	30,000
Towong Shire Council	Corryong Resource Recovery Centre E-waste infrastructure upgrade	30,000
Wangaratta Rural City Council	Wangaratta Transfer Station E-waste infrastructure upgrade	29,494
Wellington Shire Council	Yarram Transfer Station and Resource Recovery Facility E-waste infrastructure upgrade	30,000
Wellington Shire Council	Heyfield Transfer Station E-waste infrastructure upgrade	30,000
Wellington Shire Council	Maffra Resource Recovery Centre E-waste infrastructure upgrade	30,000
Wellington Shire Council	Stratford Transfer Station and Resource Recovery Facility E-waste infrastructure upgrade	30,000
Wellington Shire Council	Kilmany Transfer Station E-waste infrastructure upgrade	30,000
Whittlesea City Council	Whittlesea City Council E-waste education campaign grant	7,000
Wodonga City Council	Wodonga Waste Transfer Station E-waste infrastructure upgrade	29,700
Wyndham City Council	Wyndham Transfer Station E-waste infrastructure upgrade	30,000
Wyndham City Council	Wyndham City Council E-waste education campaign grant	6,895
Yarra City Council	Clifton Hill Recycling Drop-off Centre E-waste infrastructure upgrade	27,000
Yarra Ranges Shire Council	Yarra Ranges Shire Council E-waste education campaign grant	6,363
Yarriambiack Shire Council	Murtoa Transfer Station and Resource Recovery Centre E-waste infrastructure upgrade	17,250
Yarriambiack Shire Council	Hopetoun Transfer Station E-waste infrastructure upgrade	17,250
Yarriambiack Shire Council	Warracknabeal Landfill and Resource Recovery Centre E-waste infrastructure upgrade	17,250

Program – Leverage Local Government Action to Reduce Emissions

The program assists resource constrained local governments from regional and rural Victoria to outline their greenhouse gas (GHG) emissions profiles, implement actions to reduce their GHG emissions and reduce their operating costs.

Recipient	Project	Funding support 2018–19 (\$)
Ararat Rural City Council	Detailed energy audits on four council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Ararat Municipal Office Building, Ararat Fitness Centre, Ararat Library and the Ararat Gum San Chinese Heritage Museum.	23,800
Bass Coast Shire Council	Renewable energy upgrade This project installed a 100kw solar photo voltaic system at the Wonthaggi Civic Centre.	58,460
Benalla Rural City Council	Detailed energy audits on council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at the Sir Edward Weary Dunlop Learning Centre, Benalla Performing Arts and Convention Centre, Benalla Art Gallery, Benalla Rural City Council Depot, Benalla Senior Citizens Centre and the Benalla Town Hall.	24,600
Benalla Rural City Council	Energy efficiency and renewable energy upgrades Upgrades are being undertaken at Benalla Art Gallery, Sir Edward Weary Dunlop Learning Centre, Benalla Senior Citizens Centre and Benalla Town Hall.	25,470
Buloke Shire Council	Detailed energy audits on 10 council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Donald Kindergarten, Donald Shire Office, Birchip Shire Hall, Charlton Shire Office, Charlton Infant Welfare Centre, Charlton Preschool/Kindergarten, Donald Swimming Pool, Sea Lake Senior Citizens Clubrooms, Wycheproof Recreation Reserve Community Pavilion and the Wycheproof Shire Offices.	19,330
Buloke Shire Council	Energy efficiency and renewable energy upgrades To upgrade facilities at Birchip Community Leisure Centre, Nullawil Community Complex, Sea Lake Community Centre, Wycheproof Recreation Pavilion, Charlton Kindergarten, Charlton Shire Offices, Donald Shire Offices, Donald Swimming Pool, Sea Lake Senior Citizens and Wycheproof Shire Offices.	37,185
Central Goldfields Shire	Detailed energy audits on five council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Maryborough Municipal Office, Maryborough Resource Centre and Library, Maryborough Indoor Recreation Centre, Maryborough Children's Centre and Maternal Health Centre and Maryborough Shire Depot.	13,908
Colac Otway Shire Council	Detailed energy audits on nine council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at the Colac Bluewater Fitness Centre, Colac Otway Performing Arts and Cultural Centre, Rae Street Council Office (Colac), Gellibrand Street Council Office (Colac), Apollo Bay Harbour, Colac Service and Operations Depot, Nelson Street Council Office (Apollo Bay), Colac Visitor Information Centre and Great Ocean Road Visitor Information Centre (Apollo Bay).	22,626

Recipient	Project	Funding support 2018–19 (\$)
East Gippsland Shire Council	Detailed energy audits on eight council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Lakes Entrance Aquadome, Paynesville Football/Netball/Cricket Club, Bairnsdale City Oval, Orbost Customer Service Centre and Library, the Council Corporate Centre in Bairnsdale, Bairnsdale Aquatic and Recreation Centre, East Gippsland Art Gallery (Bairnsdale) and the Paynesville customer service centre and library.	25,000
Gannawarra Shire Council	Detailed energy audits on seven council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Kerang Memorial Hall, Kerang Library, Cohuna Pre-school, Koondrook Senior Citizens Hall, Kerang Swimming Pool, Cohuna Swimming Pool and the Cohuna Visitors Centre.	11,970
Gannawarra Shire Council	Energy efficiency and renewable energy upgrades Energy efficiency and renewable energy upgrades at Cohuna Gateway, Cohuna Pre-School, Kerang Library, Koondrook Senior Citizens, Kerang Memorial Hall, Cohuna Pool and Kerang Pool.	68,227
Glenelg Shire Council	Energy efficiency upgrades Lighting upgrades, insulation and draft sealing at Portland Administration Centre, Portland Pool, Fawthrop Community Centre and Portland Arts Centre.	15,157
Horsham Rural City Council	Detailed energy audits on four council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Horsham Civic Centre, Horsham Town Hall, Horsham Library and Horsham Aquatic Centre.	7,468
Hindmarsh Shire Council	Detailed energy audits on six council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Nhill Council Offices, Dimboola Recreation Reserve, Nhill Memorial Community Centre, Dimboola Swimming Pool, Nhill Early Years Centre and Jeparit Recreation Reserve.	12,977
Loddon Shire Council	Detailed energy audits on 21 council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at the Wedderburn Council Office, the Serpentine Council Office, Wedderburn Operations Centre, Serpentine Council Depot, Pyramid Hill Council Depot, Wedderburn Senior Citizens Centre, Inglewood Senior Citizens Centre/Pre-school/Maternal Child Health, Boort Senior Citizens Centre, Pyramid Hill Senior Citizens Centre, Wedderburn Pre-School, East Loddon Pre School, Pyramid Hill Pre School, Boort Pre School, Wedderburn Community Centre, Boort Resource and Information Centre, Pyramid Hill Memorial Hall and Boort Memorial Hall.	24,570

Recipient	Project	Funding support 2018–19 (\$)
Murrindindi Shire Council	Detailed energy audits on 14 council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Council's Headquarter Offices (Alexandra), Alexandra Library, Alexandra Shire Hall and Council Chambers, UGFM Community Radio Headquarters, Council Storage Room, Kinglake Office and Library, Yea Office and Library, Maternal and Child Health and Early-Childhood Centres (in Yea and Marysville), Municipal swimming pools (in Eildon, Marysville, Alexandra and Yea), Marysville Community Centre and VIC/ Arts and Tourism Hub in Marysville.	10,000
Northern Grampians Shire Council	Additional lighting upgrades Upgrades at St Arnaud Senior Citizens Centre and St Arnaud Children's Precinct.	5,000
Northern Grampians Shire Council	Detailed energy audits on five council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at St Arnaud Town Hall/administration centre, St Arnaud Childcare Centre, St Arnaud Senior Citizens Centre, Stawell Senior Citizens Centre as well as Stawell Sports and Aquatic Centre.	9,960
Northern Grampians Shire Council	Energy efficiency and renewable energy upgrades Upgrades are being undertaken at four council-owned sites, St Arnaud Children's Precinct, St Arnaud Senior Citizens Centre, St Arnaud Town Hall and Stawell Senior Citizens Centre.	59,085
Pyrenees Shire Council	Detailed energy audits on four council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Pyrenees Shire Offices, Beaufort Resource Centre, Goldfields Community Complex and the Avoca Information Centre.	12,660
Southern Grampians Shire Council	Detailed energy audits on four council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Hamilton Indoor Leisure and Aquatic Centre, Business Centre Art Gallery and Library complex, Council Chamber and Offices, Council Works Depot.	13,500
Strathbogie Shire Council	Detailed energy audits on ten council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Council Offices, Euroa, Nagambie Recreation Reserve, Euroa Swimming Pool, Nagambie Lakes Regatta Centre, Violet Town Works Depot, Euroa Senior Citizens Centre, Avel Recreation Reserve, Euroa Works Depot and Saleyards, Blayney Lane Park lighting in Nagambie, Avel Swimming Pool and four pump audits in Euroa and Nagambie.	23,908
Strathbogie Shire Council	Energy efficiency and renewable energy upgrades Upgrades are being undertaken at University of the Third Age Clubhouse, Euroa Civic Centre, Nagambie Regatta Centre, Nagambie Recreation Reserve and Euroa Pool.	25,000

Recipient	Project	Funding support 2018–19 (\$)
Swan Hill Rural City Council	Detailed energy audits on 13 council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Swan Hill Performing Arts and Conference Centre, Nyah Outdoor Swimming Pool, Manangatang Outdoor Swimming Pool, Swan Hill Outdoor Swimming Pool, Swan Hill Showgrounds Leisure Centre, Robinvale Swimming Pool and Leisure Centre, Swan Hill Indoor Sports Centre, Nyah Recreation Reserve Community Centre, Manangatang Community Centre, Lake Boga Community Centre, Swan Hill Regional Art Gallery, Swan Hill Depot MECC Office and the Ultima Recreation Reserve Community Centre Mud Hut.	24,610
Towong Shire Council	Detailed energy audits on 15 council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Corryong Visitor Information Centre, Corryong Kindergarten, Corryong Maternal Child Health, Corryong Council Office/Library, Corryong Innovation Spaces, Corryong Pool, Corryong Works Depot, Corryong Airbase Multi-function Building, Man from Snowy River Museum, Tallangatta Old Kindergarten, Tallangatta Towong Council Office, Tallangatta Depot, Tallangatta Integrated Community Centre, Tallangatta Pool Kiosk/Pump Shed, Tallangatta Senior Citizens, Tallangatta Visitor Information Centre.	10,000
West Wimmera Shire Council	Detailed energy audits on 14 council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Council Edenhope Offices, Council Kaniva Offices, Enterprise Business Centre, Edenhope Kindergarten, Edenhope Kindergarten, Edenhope Senior Citizens Centre, Goroke Pre-School Centre, Kaniva Caravan Park, Kaniva Library, Kaniva Kindergarten, Kaniva Town Hall, Kaniva Tourist Information Centre, Kaniva Depot and Kaniva Neighbourhood House.	21,471
Yarriambiack Shire Council	Detailed energy audits on six council-owned facilities The energy audits were to identify projects to reduce greenhouse gas emissions and energy costs at Gateway BEET (Business Education Employment Training) Hopetoun, Hopetoun Caravan Park, Warracknabeal Child Care Centre, Warracknabeal Caravan Park, Warracknabeal Depot and the Murtoa Caravan Park.	19,258
Yarriambiack Shire Council	Energy upgrades at two sites The grant supported installation of lighting upgrades at Yarriambiack Shire Office (incorporating the Warracknabeal Shire Offices, Library and Technical Service Office), and the Warracknabeal Leisure Centre.	7,651
Yarriambiack Shire Council	Energy efficiency upgrade Upgrades on the heating, ventilation and air conditioning system at the Warracknabeal Shire offices.	24,000

Program – Litter and Illegal Dumping grants

Litter and illegal dumping grants support land managers to address the issues of littering in retail areas affecting waterways and the illegal dumping of waste in green spaces.

Recipient	Project	Funding support 2018–19 (\$)
Baw Baw Shire Council	Security Poles and Cameras to help Reduce Illegal Dumping Purchase and install camera poles and high-quality security cameras at illegal dumping hot spots.	3,000
Cardinia Shire Council	Reducing Illegally Dumped Rubbish through CCTV and Signage Purchase and install surveillance cameras at local dumping hot spots and install metal signs advising of monitoring at sites.	5,000
Corangamite Shire Council	Lismore Street Litter Cleanup Conduct litter audits. Purchase and install compactable litter bins and develop and implement an education campaign.	3,000
Greater Shepparton City Council	Bin It for A Greater Shepparton Conduct litter audits of retail precincts, install signage and develop campaign messages.	4,000
Greater Shepparton City Council	Changing Illegal Dumping Behaviour Purchase and install surveillance cameras at green space hotspots, install signage, develop campaign messages.	7,000
Kingston City Council	Don't Waste Our Green Wedge Purchase and install a surveillance camera to monitor hot spot dumping areas. Design a media campaign to raise awareness of illegal dumping sites. Design and implement a primary school engagement activity. Organise waste tour for residents and develop an illegal dumping educational resource that will be given to residents and commercial operators located in the hot spot areas.	7,850
Yarra City Council	Keeping a Retail Strip Litter Free Conduct visual litter audits, install signage on recycling bins and develop campaign messages.	7,000

Program – Victorian Litter Innovation Fund

The Victorian Litter Innovation Fund grants support the Victorian community to deliver innovative solutions that prevent and reduce the impact of litter and illegal dumping through a partnership approach.

Recipient	Project	Funding support 2018–19 (\$)
Gannawarra Shire Council	Murray River Parks Litter Reduction Technology to improve communication with visitors and install physical signage at entrances to parks.	2,000
Macedon Ranges Shire Council	Pick Up or Pay Installation of infrastructure at hot spots identified within the shire for surveillance.	2,400

Program – Resource Recovery Infrastructure Fund

This program facilitates investment in waste and resource recovery infrastructure to increase materials recovery in Victoria. This will lead to an increase in jobs and the rate of resource recovery.

Recipient	Project	Funding support 2018–19 (\$)
30xy Group Pty Ltd	Wet Recycling System A wet recycling system will allow 30xy/Reclaim to recover 100% of solid waste and over 95% of water from waste collected as food waste and street sweepings, diverting 24,700 tonnes of solid material and 13,000 tonnes of organic waste from landfill per annum.	3,000
Advanced Circular Polymers Pty Ltd (ACP)	Flexible Plastic Diversion Project ACP aims to increase the diversion of flexible plastic from landfill by over 10,000 tonnes per annum through the development of an advanced recycling facility in Somerton, Victoria. The facility will introduce innovative techniques and a vertically integrated approach to plastics recycling.	175,000
Australian Paper Recovery Pty Ltd	Waste Paper Recover System Installation of sorting and compaction equipment for waste paper will have the capacity of processing 39,000 tonnes per annum.	305,000
Back Again Recycling Pty Ltd	Construction and Demolition Waste Recovery Centre Creation of a Construction and Demolition (C&D) waste recovery centre will target the residential construction industry. The project will process up to 95,000 tonnes in the first year.	500,000
Benalla Rural City Council	Modernised Resource Recovery Transfer Station The Benalla Rural City Council will construct a modern Resource Recovery Transfer Station.	20,000
Bingo Waste Services Pty Ltd	Braeside Recycling Centre A technically advanced Recycling Centre will be established in Braeside to process mixed solid inert commercial and industrial (C&I) and C&D waste and putrescible garden waste. The Centre aims to divert approximately 80,000 tonnes per annum of target waste streams in its first year of operation.	3,000
Bullock Proof Energy	Biosolid Waste Recovery Centre Bullock Proof Energy will fund the enabling works of an on-farm biodigester of biosolid waste to turn into electricity for on-farm use and supply to the grid.	10,000
Campaspe Shire Council	Kerbside Food and Garden Organics Collection Service Campaspe Shire Council will arrange for a new opt-in kerbside food and garden organics collection service to 2,000 new households and add food organics to the existing 6000 residents with a garden organics collection service. This will result in a food and garden organics collection service to around 8,000 residents in the municipality.	160,000
Campaspe Shire Council	Polystyrene, Cardboard and Plastic Recovery Sites This project will purchase four compactors to be installed at two sites, Mt Scobie Resource Recovery Centre (RRC) and Echuca RRC. This will result in one Expanded Polystyrene and one cardboard/flexible plastic/rigid plastic compactor at each site to increase the recovery of these materials and reduce the transport costs of non-compacted materials.	71,144

Recipient	Project	Funding support 2018–19 (\$)
Camperdown Compost Company	Organic Waste and Composting System Camperdown Compost is facilitating a complete site transformation of its Blind Creek Road facility in consultation with global compost leader Compost Systems Austria. This transformation will bring it into line with the world's best operators in organic waste receipt and composting.	10,000
Casafico	Weather and Acoustic Testing Casafico will contract with CSIRO and Ian Bennie and Associates to undertake full-scale weather and acoustic tests of the Polystat Fire Panel.	15,200
Circular Food	Plant Facility Development Circular Food will fund the research and development necessary to enable the organisation to develop a pilot plant facility and later a full-scale commercial plant in Somerton.	5,245
Close the Loop	Soft Plastics Recovery Close the Loop will acquire new equipment and undertake further product testing to enable the use of soft plastics waste as an asphalt additive.	10,000
Cleanaway Waste Management Ltd	Clayton Resource Recovery Centre Upgrade Cleanaway Waste Management will upgrade the Clayton Resource Recovery Centre. This presents an opportunity to recover an additional 15,400 tonnes per annum.	5,000
CMA Ecocycle Pty Ltd	Battery Recycling Program This project will deliver a Victorian-wide solution for recycling all types of batteries by establishing a collection system that works alongside the company's current business services, capturing as many batteries as possible, whilst making the recycling process as easy as practically possible. The new plant will be custom built with some pre-sorting, automatic-sorting and manual sorting.	250,000
Commercial Tippers Pty Ltd	Recycling Sortation Facility Commercial Tippers, in conjunction with Smart Recycling, will plan to build a C&D and C&I Sortation Facility. The facility will accept up to 160,000 tonnes per annum of material.	360,000
enrich360 Pty Ltd	Organic Waste Compost Program enrich360 is a waste recovery and certification program. Eighteen targeted customers (eg restaurants, hospitals) of wholesale fruit and vegetable supplier Yarra Valley Farms will be supplied food organic dehydration units. These will convert all organic waste into compost feedstock which will be collected by the Yarra Valley Farms distributor when they make their deliveries. The graded enrich360 certification system will enable participating restaurants to flag their sustainability credentials with customers.	98,000
Future Metals Recyclers Melbourne Pty Ltd	Cardinia Transfer Station Resource Recovery Upgrade of the Cardinia Transfer Station will improve the current site layout, infrastructure and site resource recovery. Improve operations will increase patronage and the tonnage of materials recycled at the site.	455,000
Greater Shepparton City Council	Plastic, Cardboard and Paper Recovery Installation of new bins at Ardmona and Murchison RRCs to allow for the recovery of rigid and soft plastics, cardboard and paper.	8,000

Recipient	Project	Funding support 2018–19 (\$)
iGas Operations Pty Ltd	Waste Recovery Facility The project will develop a scalable Waste to Energy facility at the Maddingley Brown Coal site. The facility is being designed to process 100,000 tonnes per annum of waste.	200,000
Integrated Recycling Pty Ltd	Recycled Plastic Railway Sleeper Program Integrated Recycling will build the first stage of the Duratrack composite recycled plastic sleeper production line with a capacity to produce between 50,000 and 80,000 recycled plastic railway sleepers per year.	5,000
Knox Transfer Station	Refuse Derived Fuel Program Knox Transfer Station Recycling will establish a Process Engineered Fuel (PEF) manufacturing facility at the Knox Transfer Station. PEF is a Refuse Derived Fuel used to provide heat to cement kilns and is used as a substitute for fossil fuels. The residual waste from current kerbside hard waste and mattresses recycling operations would be sorted, shredded, screened, bailed and wrapped to produce the PEF. After PEF production, the cardboard, wood, ferrous and non-ferrous metals would still be recycled. No residual waste would be sent to landfill.	40,000
McMahons Pty Ltd	Waste Carpet Recovery and Reprocessing Equipment Funds will support the acquisition and customisation of new equipment to expand McMahons' ability to recover and reprocess waste carpets into the FibreSand product for use on turfs and horse training tracks.	33,000
Melton City Council	Melton Recycling Facility Upgrade Funds will be used to upgrade the Melton Recycling Facility.	150,000
Mitchell Shire Council	Hildene Resource Recovery Centre The Council will develop a new a resource recovery centre (RRC) which will be established on Council-owned land, adjacent to Mitchell Landfill in Hildene. It will provide equitable waste management and resource recovery services and infrastructure, that prioritise and facilitate waste minimisation, resource reuse and recovery over disposal. The project will provide a better practice RRC for the population of Seymour and its surrounds to encourage and facilitate the diversion of greater volumes of waste from landfill.	40,000
Moir Shire Council	Industrial Waste Recovery The project will enable industrial waste sorting at the Cobram Resource Recovery Facility. Commercial waste accounts for 45% (6000 tonnes) of waste disposed at the landfill. The project aims to divert 3000 tonnes of this material from landfill. This includes materials such as soft plastics, cardboard, dirt, concrete, metals and timber.	60,000
National E Waste Alliance Pty Ltd	Electronics Drop-Off Points The National E-Waste Alliance, in collaboration with WDEA (a disability employment enterprise), will establish a network of collection points across the Western districts of Victoria to permit the drop-off of end of life electronics not covered under the Federal National Television and Computer Recycling Scheme (this will complement the current E-waste infrastructure funding program).	3,000

Recipient	Project	Funding support 2018–19 (\$)
Outlook (Victoria) Inc	Resource Recovery Facility The project will establish a new Resource Recovery Facility within the western suburbs of Melbourne in an appropriate industrial use zone.	1,000
Pinegro Products Pty Ltd	Gippsland Region Compost Facility Funds will be used to design, build and operate a best-practice, enclosed tunnel compost facility for the Gippsland Region that enables the maximum amount of waste to be diverted from landfill and positively re-used as a renewable resource. The composting facility will operate under a climate-controlled system which will manage leachate waters and reduce odour.	20,000
Plascorp	Recycling Broken PVC Pipe Plascorp will install a granulator and a microniser to recycle broken PVC pipe from sites into new PVC piping product for non-pressure applications.	63,255
Poly Pac Recycling	PET/ HDPE / LDPE plastic recycling New facility for PET/ HDPE / LDPE plastic recycling will be created to prepare materials for downstream remanufacturing.	20,000
Polymer Processes Pty Ltd	Plastic Washing Equipment Polymer Processes will commission plastic washing equipment that can accept a wider range of plastic materials. Upgrading the treatment of wastewater from the wash plant, resulting in the production of higher-grade outputs. The new equipment will increase processing capacity by 800 kilograms per hour for plastics.	325,000
Reground Pty Ltd	Coffee Ground Recovery Capacity Expansion Funds will go towards infrastructure to allow an expansion of the current collection of spent coffee grounds from retail and manufacturing venues. They will also institute a concurrent flexible plastics recycling collection.	18,000
Polymer Holdings	Plastics Reprocessing Capacity Polymer Holdings will install and commission a Genox V600 Vision Series Single Shaft Shredder, a conveyer belt and other supporting equipment to enable reprocessing of locally sourced plastics waste.	5,000
Polymeric Powders Company Pty Ltd	Tyre Recovery Program Utilising the company's existing patents for creating tyre crumb derived Polymeric Powder from end-of-life tyres, new tyre crumb derived Polymeric Powder / Polyolefin composite material pellets will be produced to be sold to the manufacturers of high-quality composite material pipes for use in the large volume Irrigation Pipes and Sewerage Pipes markets.	65,000
Polytrade Pty Ltd	Material Recycling Facility Expansion Polytrade's Dandenong Materials Recycling Facility processes domestic and commercial recycling, including glass. This project will install machinery to colour sort and clean the 3–8mm fraction into saleable products with guaranteed markets. 22,000 tonnes per annum of saleable product will be recovered and diverted from landfill, as well as 56,000 tonnes recovered from existing glass stockpiles.	275,000

Recipient	Project	Funding support 2018–19 (\$)
Polytrade Recycling	Material Recycling Facility Expansion The installation of three plastic sorting machines to reprocess 10,400 tonnes annually of mixed plastics sourced from domestic recycling, into commercially saleable plastic products.	130,000
Repeat Plastics Australia Pty Ltd (Replas)	Post-Consumer Waste Re-processing Repeat Plastics Australia will install new proven re-processing equipment to allow Replas to recycle more post-consumer waste.	10,000
Repurpose-It Pty Ltd	Waste Treatment Facility Repurpose-It will establish a state-of-the-art washing facility which will utilise world's best practice technologies in the processing of typically untreatable waste streams currently being sent to landfill.	355,000
ReSource Pty Ltd	Battery Recovery and Processing ReSource Pty will expand their existing plant to increase capacity and widen the range of batteries which can be processed along with installing an automatic mechanical and optical sorting line for maximum sorting purity.	5,000
RPM Pipes	Plastics Processing Facility Expansion A large shredder will be added to the existing plastics processing facility to automatically and continuously process large plastic articles without pre-cutting by hand, which then makes them suitable for further processing through the existing washing system.	14,000
RPM Pipes	Recycled Plastic Research and Development Funds will be used to support RPM's purchase of equipment and research and development to develop civil pipes made from 100 per cent recycled plastic.	40,000
Sims Recycling Solutions (SRS)	E-Waste Processing Facility Funds will go towards a state-wide collection system for end of life electrical and electronic waste (e-waste) and batteries and processing facility.	3,000
Tambo Waste Pty Ltd	Upgrade Material Recovery Facility Funds will be used to upgrade existing material recovery facility to include equipment to reduce contamination of PPC and increased capacity by 5,000 tonnes annually.	47,000
Towong Shire Council	Priority Material Diversion Program Through upgrades to the Corryong Resource Recovery Centre and the Tallangatta Transfer Station, the project will increase the diversion of priority materials for landfill by up to 30%. These materials include rigid and soft plastics, e-waste, glass, timber and cardboard. The project will see the establishment of two resale shops, establishment of public access to recycling skips at Corryong RRC and improving storage practices and capacity of priority materials at both facilities.	15,000
Wangaratta Rural City Council	Organics Processing Facility Funds will be used to construct an organics processing facility.	181,250
Warrnambool City Council	Kerbside Organic Waste Collection Service The Warrnambool City Council will introduce a new kerbside food organics and garden organics (FOGO) collection service to over 15,000 households. The project and resultant ongoing service will generate a reduction of waste to landfill of potentially 8,500 tonnes per annum.	291,000

Recipient	Project	Funding support 2018–19 (\$)
Western Composting Technology Pty Ltd	<p>The plant capacity increase will include infrastructure upgrades including a composting tunnel.</p> <p>These upgrades will increase the overall capacity of the facility which will divert an additional 4,500 tonnes per annum of commercial food waste from landfill to meet growing demand for food waste recovery in the Barwon South West region and provide capacity to process another 9,500 tonnes of food and garden organics from kerbside collections. An additional 4,000 tonnes of food waste will be sourced from commercial collections in the Barwon South West Waste and Resource Recovery Group area, with the remaining 500 tonnes per year from food-related commercial services businesses such as restaurants, cafes, fast-food outlets and hotels etc. in the area.</p>	170,302.39
Yarra City Council	<p>Kerbside Food Waste Collection Service</p> <p>The project aims to demonstrate the benefits of a localised closed loop solution to recovering and composting food waste while reducing the overall amount of material Yarra sends to landfill. Yarra City Council will provide a kerbside food waste collection service to 5,000 residents to recover and process 910 tonnes of priority materials at a local in-vessel composting facility. Resulting compost will be used in parks and available to residents. A community education and engagement campaign will support success.</p>	105,000
Yarriambiack Shire Council	<p>Increased Recyclables Collection</p> <p>Upgrades to the Warracknabeal Transfer Station will allow for increased recyclables collection including agricultural soft plastics such as grain bags and tarpaulins.</p>	35,000

Program – Victorian Market Development Strategy for Recovered Resources

SV is looking to support research, development and demonstration projects that can increase the quantity of recycled products being sold in Victoria. There are often barriers that restrict the uptake of products made from recycled materials, such as a lack of appropriate specifications and standards or the need for specific testing and approvals or product demonstration trials. This funding seeks to support organisations in overcoming these barriers.

Recipient	Project	Funding support 2018–19 (\$)
ARRB Group Ltd	Crumb rubber asphalt in local government roads Develop a VicRoads specification that allows use of crumb rubber in asphalt for use in local roads.	55,000
Downer EDI Works	Field trial – soft plastic and glass in asphalt road Construct a demonstration road using recycled soft plastics, glass and toner cartridge in asphalt.	67,226
Hermetia Biosystems Pty Ltd	Recycled glass technology for cost effective access covers Establish a demonstration facility to convert up to 100 tonnes of food waste per day into protein meal and fertiliser products.	120,000
RMIT University	Low density polyethylene and crumb rubber in asphalt Develop a performance-based classification system of plastic/rubber-modified bitumen. This would mean that the inclusion of recycled content is determined by performance rather than percentage.	25,000
Swinburne University of Technology	Demonstration trial of plastics and glass in concrete footpath Use previously SV funded Research and Development results to demonstrate the performance of plastics and glass in concrete footpaths.	40,000
Swinburne University of Technology	Developing a VicRoads specification for local roads Develop a VicRoads specification for local roads that permits the use of crushed glass, concrete and brick.	100,000
Swinburne University of Technology	Recycled Plastics in Concrete Void Former Undertake material characterisation of recycled plastics (supplied by GT Recycling) and injection moulding flow analysis, to understand performance in the Robovoid (concrete) void former.	55,000
The University of Melbourne	Lightweight concrete R&D project Construct a demonstration site at a Level Crossing Removal Authority project site to trial the glass fines as a sand replacement in concrete in a real-world application.	50,000
The University of Melbourne	Permeable pavements using recycled aggregates Trial a permeable pavement (reducing run off/flooding), using recycled concrete, brick, glass, plastics and rubber, under real traffic conditions (via a demonstration project).	40,000
Yarra City Council	Understanding benefits in separating glass at the kerbside Trial a separate glass collection with approx. 1,300 residents and using the collected glass in asphalt to demonstrate performance in municipal road construction.	25,000

Program – Waste Education – Love Food, Hate Waste Program

Love Food Hate Waste Local Activity grants support local government organisations, waste and resource recovery groups, community organisations and education institutions to deliver activities aimed at raising awareness of the problem of food waste, and how to avoid it.

Recipient	Project	Funding support 2018–19 (\$)
Melbourne Farmers Markets	Love Food Hate Waste Hub on Wheels Co-branded mobile food waste information hub to hold interactive workshops at the University of Melbourne Farmers Market.	1,995
Whitehorse City Council	Quest to Find DUELI's Best Waste-Free Masterchef "Waste-free Masterchef" program. Food waste cooking competition, recipe book and promotion.	500
Worawa Aboriginal College Limited	Connecting to Tucker - Walking in Two Worlds in the Garden Food waste education program, establish a kitchen garden and program to integrate the project across the school curriculum and programs.	1,500

Program – Waste Education - Regional Litter Plan Program

Regional Litter Plan grants support the Victorian Waste and Recovery Groups to develop Regional Litter Plans to address local litter issues, defined using the multicriteria analysis tool (Litter Scorecard).

Recipient	Project	Funding support 2018–19 (\$)
Barwon South West Waste and Resource Recovery Group	Barwon South West Waste and Resource Recovery Group Develop Regional Litter Plan	22,500
Goulburn Valley Waste and Resource Recovery Group	Gippsland WRRG, Goulburn Valley WRRG, Loddon Mallee WRRG and North East WRRG Develop four Regional Litter Plans across four waste and resource recovery regions	90,000
Grampians Central West Waste and Resource Recovery Group	Grampians Central West Waste and Resource Recovery Group Develop Regional Litter Plan	22,500
Metropolitan Waste and Resource Recovery Group	Metropolitan Waste and Resource Recovery Group Develop Regional Litter Plan	22,500

Program – Waste Strategies Implementation

The program aims to establish strong end-markets for recovered products to support increased investment in waste and resource recovery sector across Victoria, provide higher quality products to industry to support the growth of end-markets and to provide a consistent approach to waste education and litter prevention activities to support a reduction in waste generation and litter.

Recipient	Project	Funding support 2018–19 (\$)
Australian Organics Recycling Association (AORA)	Soil Workshop Deliver a workshop to update stakeholders on a Sustainability Victoria funded review and amendment of Australian Standard 4419 <i>Soils for Landscaping and Garden Use</i> .	2,000
Biomix Pty Ltd	Recycled Organics Demonstration Site Establish and manage a recycled organics demonstration site. The site demonstrates the beneficial use of recycled organics in broadacre agriculture.	19,750
Elmore Compost and Organics	Elmore Subsoil Project Develop a subsoil compost applicator design and establishment of a subsoil amelioration demonstration near Elmore.	20,000
Falkiner Ag Pty Ltd	Freshwater Subsoil Project Establish a recycled organics subsoil amelioration demonstration site at Freshwater, near Geelong. The site demonstrates subsoil amelioration as a beneficial use of recycled organics in Agriculture.	4,000
Hawkins Ag	Winchelsea Subsoil Project Design and purchase of a subsoil compost applicator and establishment of a subsoil amelioration demonstration site near Winchelsea.	50,000
Port Phillip and Westernport CMA	Recycled Organics Market Development for Vineyards Develop, produce and distribute a tool for recycled organic market development in Vineyards. The tool is an educational tool that calculates the volume of compost required for mulching around grape vines.	11,542.50
Resilience Farming	Compost Innovation Purchase a specialised composter that can produce compost with innovative feedstocks, such as waste plaster board and seaweed. This allows the recipient to make specialised compost for agricultural use.	50,000
The University of Melbourne	Subsoil Ameliorant Applicator Improvement Improve a Grains Research and Development Corporation (GRDC) subsoil ameliorant applicator. The machine was used to establish a recycled organics demonstration site at the University of Melbourne Dookie Campus.	30,000

Program – Biodiversity On-Ground Action (Tranche 2) - Biodiversity Response Planning Grants

Biodiversity Response Planning is a planning approach to biodiversity conservation in Victorian, designed to strengthen alignment, collaboration and participation between government agencies, Traditional Owners, non-government agencies and the community.

Recipient	Project	Funding support 2018–19 (\$)
Arthur Rylah Institute	Aquatic Predator Control for Biodiversity Gain in Headwater Streams: Upper Morwell River Supporting the Morwell Galaxias in the headwaters of the Morwell River by removing aquatic predators and increasing suitable predator-free habitat.	33,700
Arthur Rylah Institute	Aquatic Predator Control and Translocations for Biodiversity Gain in Headwaters Streams: East Gippsland Forests Translocating six species of upland native galaxiids from West to East Gippsland and removing aquatic predators.	137,200
Arthur Rylah Institute	Aquatic Predator Control and Translocation for Biodiversity Gain in Headwater Streams – North of the Great Dividing Range Removing predators and undertaking translocation 'top up' for a species of upland native galaxiid in the North East Forests and Alps area, north of the Great Dividing Range.	163,450
Arthur Rylah Institute	Aquatic Predator Control and Translocation for Biodiversity Gain in Headwater Streams – South of the Great Dividing Range Supporting three species of upland native galaxiids in the north east forests and alps area, south of the Great Dividing Range by removing predators and locating suitable translocation sites.	104,804
Ballarat Environment Network Inc.	Building Blocks for Biodiversity in the Bannockburn Region Improving the long-term condition and diversity of 500 hectares (ha) of endangered natural temperate grasslands, plains grassy woodland and creek line tussock grassland in the Bannockburn region of the Victorian Volcanic Plains bioregion through weed and fox control and rabbit-proof fence installation.	149,500
Barapa Land and Water	Reedy Lakes, Mobilising Barapa Land and Water Protecting and enhancing habitat suitability of 200 ha of Grassy Woodlands for fauna (including Carpet Python, Fat Tailed Dunnart, Bearded Dragons, Bush Stone Curlew and Sand Goanna) and flora (<i>Buloke</i> , <i>Dianella spp.</i> , <i>Acacia oswaldii</i> , <i>Leucochrysum molle</i> , <i>Eragrostis setifolia</i> , <i>Mairena aphylla</i>).	554,592
Bass Coast Landcare Network	Building the Bass Coast Bio Links This project will improve habitat and reduce predator threats to Southern Brown Bandicoot, Growling Grass Frog, Swamp Skink, Swift Parrot, Orange Bellied Parrot, Powerful Owl and Swamp Antechinus across 1,212 ha of private land and 448 ha of public land.	413,319
Cardinia Shire Council	Cannibal Creek Catchment Biodiversity Project Reducing the impact of weeds, deer and fox in remnant vegetation in the Cannibal Creek Catchment, south of Bunyip State Park, working across both private and public land.	320,000

Recipient	Project	Funding support 2018–19 (\$)
City of Whittlesea	Whittlesea Integrated Pest Animal Management and Monitoring Program Managing and monitoring pest across 20,000 ha of high strategic biodiversity value areas on both public and private land to support Brush-tailed Phascogale and endangered ecological vegetation class Wet Verge Sedge land.	450,000
Connecting Country (Mount Alexander Region) Inc	Remnant Rescue: Restoring Woodland Bird Habitat in Central Victoria Protecting and restoring priority woodland bird habitat across 100ha of private and public land. The project will incorporate a combination of landholder education, weed and rabbit control, revegetation and property covenants to achieve long-term habitat protection.	333,500
Conservation Ecology Centre	Expanding and Strengthening the Otway Ark A recovery program which incorporates best practice monitoring with ongoing fox and pig control.	486,060
Conservation Volunteers Australia	Little Desert Landscape-Scale Ecosystem Enhancement Initiative: Project 1 - Fox, Weed and Rabbit Control Collaborative engagement with landholders to control foxes on private land bordering the Little Desert National Park, where complementary expanded pest control work is being undertaken by Parks Victoria.	516,500
Corangamite Catchment Management Authority	Connected Landscapes - Connecting Landholders to Biodiversity on the Victorian Volcanic Plain Protecting, enhancing and restoring over 1,000 ha of threatened native grassland, grassy woodland and related habitats across the Victorian Volcanic Plain, with a focus on private land.	462,000
Deakin University	Victorian Coastal Wetland Restoration Restoring 600 ha of critical wetland habitat on private and public land, including Ramsar sites and places of Aboriginal cultural heritage significance. This will support recovery of some of Victoria's most endangered plants and animals.	590,000
Department of Environment, Land, Water and Planning	Management to Improve Habitat for Threatened Mammal Species in the Upper Snowy River Undertaking new and existing predator management techniques, supporting Southern Brush-Tailed Rock Wallaby genetic rescue through supplementation and delivering targeted threat abatement and threatened species recovery monitoring in the Upper Snowy River.	450,000
Department of Environment, Land, Water and Planning	Landscape-Scale Conservation of Threatened Invertebrates of the Western Strzeleckis Protecting and restoring habitat for 30 colonies of Giant Gippsland Earthworm (GGE) and three threatened species of burrowing crayfish. The project will develop a cost-effective and non-destructive method for surveying burrowing crayfish and create detailed species lists for revegetation of GGE habitat.	417,058
Department of Environment, Land, Water and Planning	Glenelg Pine This project will result in the scaled and integrated restoration of stringybark woodlands by mechanically and manually removing pine wildlings.	600,000

Recipient	Project	Funding support 2018–19 (\$)
Department of Environment, Land, Water and Planning	Threat Mitigation for Biodiversity Undertaking predator control, ecological burning and creating a second Victorian population of Eastern Bristlebird across 3,500 ha of land within Croajingolong National Park.	320,000
Department of Environment, Land, Water and Planning	Fox Control - Mt Disappointment Decreasing fox numbers and predation on threatened fauna species, including the Growling Grass Frog and Greater Glider in the Mt Disappointment area.	165,000
Department of Environment, Land, Water and Planning	Rodent-Free Gabo Island Removing introduced rodents (Brown Rats and House Mice) from Gabo Island to support a safer breeding location for seabirds.	220,000
Department of Environment, Land, Water and Planning	Lake Tyers Deer Management The East Gippsland Rainforest Conservation Management Network plan to connect landowners and public-land managers with accredited shooters in a coordinated response to regulate deer populations and monitor outcomes. A unique, scientifically informed control system will be trialled.	500,000
Department of Environment, Land, Water and Planning	Glenelg Ark Project - Next Phase Facilitating the recovery of native mammal populations at risk from predation by foxes and feral cats across 17,000 ha in far South-West Victoria.	420,000
Department of Environment, Land, Water and Planning	Key threats to Native Grassland Linear Reserves on the Victorian Volcanic Plains Improving the quality and connectedness of natural temperate grasslands on the Victorian Volcanic Plains by reducing critical threats from priority weeds across 1,420 ha.	374,500
Enhancing Biodiversity at Dutson Downs	West Gippsland Catchment Management Authority Comprehensive pest control across 6,000 ha to support species including the New Holland Mouse, Green and Golden Bell Frog, Wellington Mint-bush, Dwarf Kerrawang and the Trailing Hop-bush.	165,000
Glenelg Hopkin Catchment Management Authority	Pine Wildling Control in Brown Stringy Bark Woodlands Removing pine wildlings from brown stringy bark woodlands. This is a critical feeding habitat for red-tailed black cockatoos and a range of other native flora and fauna species.	314,000
Goulburn Broken	Ribbons of Blue and Sashes of Green: Linking Box Woodlands and Ironbark Forests Protecting, revegetating and enhancing 13,600 ha of habitat to provide long-term support for a range of threatened species including Regent Honeyeater, Swift Parrot, Squirrel Glider and Woodland Bird Community.	1,412,296
Goulburn Broken Catchment Management Authority	Linking Lower Goulburn to Barmah Private Land Works Improving vegetation connections between the Lower Goulburn and Barmah National Parks by revegetating, fencing, and controlling weeds, foxes and rabbits on 40 ha of private land. This will improve habitat for threatened species, including Bush-Stone Curlew, Grey-Crown Babbler, Squirrel Glider and Tree Goanna.	343,200

Recipient	Project	Funding support 2018–19 (\$)
Greening Australia	Increasing Biodiversity Benefits Across the Ramsar Western District Lakes Enhancing native vegetation within the Victorian Volcanic Plains Western District Ramsar Lakes, by partnering with public and private landholders to coordinate weed and predator management across 1,000 ha over 3 years.	160,000
Greening Australia Victoria	Increasing Critical Food Supply for the Endangered South-Eastern Red-Tailed Black Cockatoo Establishing 70,000 Stringybark trees across 700 ha determined through spatial prioritisation to increase critical food supply for this species.	260,000
Greening Australia Victoria	Increasing Critical Food Supply for the Endangered South-Eastern Red-Tailed Black-Cockatoo Establishing 30,000 Stringybark trees across 500 ha determined through spatial prioritisation to increase critical food supply for this species.	120,067
Hindmarsh Landcare Network	Building Biolinks along the Lawloit Range Re-establishing, restoring and de-stocking 100 ha of semi-arid woodland. This includes threatened Grey Box–Buloke Grassy Woodland Community and habitat for species within the listed threatened Victorian Temperate Woodland Bird Community.	118,000
Mallee Catchment Management Authority	Mallee Parks: The Cowangie Connection Undertaking targeted, integrated pest control across 159,974 ha to support a nationally recognised catchment in the Mallee Region.	900,000
Mallee Catchment Management Authority	Conserving Biodiversity within a Peri-Urban Landscape Targeted rabbit and weed control and supplementary planting to address key threats to 8,527 ha of priority habitat within the Cardross Lakes system.	200,000
Mallee Catchment Management Authority	Annuello and Wandown: Enhancing Mallee to Murray Biolinks Targeted and integrated invasive species control program to enhance the condition and connectivity of 49,567 ha of the Murray River Scroll Belt Region.	400,000
Mallee Catchment Management Authority	Safeguarding the Hattah Ramsar Lakes and Raak Plain Catchment Areas Targeted and integrated invasive species control program to enhance the condition and connectivity of 2,500 ha of land within the Raak Plains and Hattah Lakes Catchment which includes nationally recognised wetlands.	220,000
Mallee Catchment Management Authority	Improving Conservation of the Southern Mallee Dunefields Targeted and integrated invasive species control program to enhance the condition and connectivity of 12,000 ha of ecologically unique, priority habitat within the Wathe and Bronzewing Dunefields.	200,000
Mallee Catchment Management Authority	Controlling Feral Cats in the Mallee for Improved Management Outcomes Reducing predation impacts by undertaking cat control across 10,000 ha of land within Hattah-Kulkyne National Park and Big Desert State Park. This project will assess current control strategies to support improved predator management.	735,900

Recipient	Project	Funding support 2018–19 (\$)
Mallee Catchment Management Authority	Robinvale to Nyah: Conserving Robinvale Plain and Murray Fan Bioregions Delivering a targeted and integrated invasive species control program to enhance the condition and connectivity of 17,005 ha of priority habitat within the Robinvale Plains and Murray Fan Bioregions.	708,300
Mallee Catchment Management Authority	Tyrrell: Preserving an Ancient Salina Landscape Targeted and integrated invasive species control program to address key threats to 30,559 ha of priority habitat including the Lakes: Tyrrell, Wahpool and Timboram and associated creeklines.	450,000
Mount Hotham Alpine Resort Management Board	Protecting Biodiversity in Victoria's Alpine Resorts; Pest Plants and Predator Control Building the capacity of Victoria's Alpine Resort Management Boards to deliver best practice predator and weed control over 3,550 ha of public land at Falls Creek and Mount Hotham Alpine Resorts.	159,000
Nature Glenelg Trust	Permanent Restoration of Long Swamp Permanently restoring a Ramsar convention listed wetland habitat in Long Swamp to secure future sustainable water management across up to 1,057 ha of public land.	195,000
Nature Glenelg Trust	Landscape Wetland Restoration Program Hydrological restoration of 100 ha of Seasonal Herbaceous Wetlands of the Temperate Lowland Plains and other key wetland habitat for Brolga, Growling Grass Frogs, Corangamite Water Skink, Australasian Bittern and migratory bird species such as Latham's Snipe.	140,000
Nillumbik Shire Council	Improving Animal Populations and Habitat Connectivity between Watsons Creek and the Yarra River Enhancing connected habitat for threatened plants and animals from Watsons Creek to the Yarra River by controlling deer, foxes and weeds on private and public land. This will benefit Phascogales, Dunnarts and a range of threatened orchids.	450,000
North East Catchment Management Authority	Enhancing Connectivity in the Kiewa Catchment Protecting and restoring 268 ha of priority habitat in the Kiewa Valley. This project will include stock exclusion, revegetation, woody weed control and integrated rabbit control to support threatened woodland birds and mammals.	329,300
Parks Victoria	Grampians Sallow Wattle Control Restricting growth of sallow wattle to protect herb-rich woodlands and species (e.g. Grampians Duck Orchid). The project will also develop a native food enterprise using Sallow Wattle Seed through a partnership with Barengi Gadjin Land Council.	647,445
Parks Victoria	Grampians Introduced Predators (Feral Cats) Feral cat control to complement a 22-year investment in fox control in the Grampians.	275,000
Parks Victoria	Otway landscape pest plant management Protecting the significant biodiversity values of the Otway landscape by containing and controlling 41,000 ha of highly invasive pest plant species.	495,000

Recipient	Project	Funding support 2018–19 (\$)
Parks Victoria	Protecting and Enhancing the Biodiversity of the Murray Scroll Belt Protecting and enhancing threatened flora and fauna species across 80,000 ha of semi-arid woodlands, riverine and wetlands in the Murray Scroll Belt of far-north-western Victoria, by invasive species control and revegetation.	763,700
Parks Victoria	Restoration and Protection of High Value Habitat Protecting and enhancing 152,000 ha of semi-arid woodlands in Wyperfeld National Park and adjacent State forests and conservation reserves, by controlling rabbits, feral goats, foxes and weeds and improving breeding conditions for the vulnerable Major Mitchell's Cockatoo.	550,000
Parks Victoria	Protecting and Enhancing the Biodiversity of Hattah and the Eastern Murray Sunset Country Protecting 26,000 ha of the Hattah Ramsar wetlands, semi-arid woodlands and the fauna located at these sites including threatened species by controlling feral pigs, goats, rabbits, foxes and weeds.	869,000
Parks Victoria	Glenelg - Mt Napier Goat Control Local eradication of goats from Mt Napier in collaboration with adjoining landholders, community volunteers and Traditional Owners.	98,000
Parks Victoria	Protecting and Enhancing the Grasslands, Woodlands and Marshes of the Lower Avoca Plains Protecting and enhancing 7,800 ha of private and public land within the Kerang Lakes Ramsar Site. The project will focus on controlling invasive species, improving grassland biomass management and undertaking revegetation.	870,000
Parks Victoria	Managing the Impacts of Transformative Coastal Weeds in Far East Gippsland Controlling and containing high priority weed infestations at coastal areas of high ecological value on the Far East Gippsland coastline.	450,000
Parks Victoria	Protecting and Enhancing the Semi-Arid Woodlands of Taperoo in North-West Murray Sunset National Park Protecting and enhancing 180,000 ha of threatened semi-arid woodlands, and numerous threatened flora and fauna species in the Taperoo region of Murray Sunset National Park, through intensive rabbit, goat and transformer weed control.	350,000
Parks Victoria	Wimmera River Biolink and Pest Plant and Animal Control Project Undertaking remnant woodland re-establishment, restoration and protection works across 200 ha of private land and rabbit control works within 16,200 ha of the Wimmera River, Lake Hindmarsh, the Lake Albacutya Corridor and the Buloke Grassy Woodlands. This will support the threatened Victorian Temperate Woodland Bird Community and Grey Box.	316,360
Parks Victoria	Protecting and Enhancing the Grasslands, Woodlands and Wetlands of the Patho Plains Enhancing and restoring Northern Plains Grasslands, Buloke Woodlands, Seasonal Herbaceous Wetlands and a diverse range of threatened flora and fauna species and bird communities across 4,080 ha of public and 1,070 ha of private land. The project will control invasive species, improve grassland biomass management and undertake revegetation.	780,000

Recipient	Project	Funding support 2018–19 (\$)
Parks Victoria	Extirpation of Sambar Deer from Wilsons Promontory Extirpating a small population of Sambar Deer in Wilsons Promontory National Park to improve the condition of waterways, vegetation and soil in the area.	230,000
Parks Victoria	Protecting and Enhancing the Barmah and Lower Goulburn Red Gum Forests, Wetlands and Floodplains Controlling pigs, goats and woody weeds to protect the Barmah Ramsar Site, red gum forests, wetlands, floodplains and Moira grass plains across 31,000 ha of public land in the Lower Goulburn and Barmah National Parks.	370,755
Parks Victoria	Mitigating the threat of Ox-Eye Daisy on North East Forests and Alps Surveying for mapping and controlling the highly invasive Ox-Eye Daisy in the Alpine National Park to protect alpine grasslands, sub-alpine woodlands and other threatened habitats.	300,000
Parks Victoria	Managing the Immigration of Foxes into Wilsons Promontory National Park Controlling and managing foxes at Wilsons Promontory National Park to protect the small mammal species of the Yanakie Isthmus habitat.	180,000
Parks Victoria	Developing Control Options for Feral Cats at Wilsons Promontory to Improve On-Ground Management Capability Developing and testing strategies and control tools to improve management capabilities and provide standards for the control of feral cats at Wilsons Promontory National Park.	500,000
Parks Victoria	Managing Feral Pigs in the Eastern Borderlands Controlling pigs in the Eastern Forests borderlands to protect a range of environmental, cultural and social assets.	900,000
Parks Victoria	Mitigating Impacts of Invasive Herbivores on Alpine Wetlands Fencing areas of priority wetlands and alpine peatlands to protect them from feral horses, deer and pigs.	190,000
Parks Victoria	Managing Feral Cats in the Victorian Alps Controlling feral cats in priority areas associated with threatened Mountain Pygmy-Possum habitat in the Victorian Alps.	275,000
Port Phillip and Westernport Catchment Management Authority	Deepening Connections – Engaging Communities and Enhancing Habitat of the Deep Creek Engaging private landowners in pest control across 6,700 ha of habitat to protect threatened species including Platypus, Growling Grass Frog and Plains Grassy Woodland in Deep Creek and the surrounding plains south of Darraweit Guim.	452,710
Port Phillip and Westernport Catchment Management Authority	Peaks to Plains: Enhancing and Connecting the You Yang Ranges and Werribee Plains Enhancing 7,000 ha of habitat for threatened species and ecological communities by undertaking a coordinated rabbit, goat and weed control program.	454,182
Trust for Nature	Iconic Estates – Box Ironbark, Northern Plains and Slopes Protecting 130 ha of Victoria's most important habitat on private land.	164,612

Recipient	Project	Funding support 2018–19 (\$)
Trust for Nature	Conservation Management of Private Land Enclaves in the Far Eastern Forests Removing foxes and controlling weeds to improve 4,000 ha of warm temperate rainforest and protect threatened mammals in the Eastern Forests.	747,000
Trust for Nature	Iconic Estates – Port Phillip and Westernport Permanently protecting 100 ha of Victoria’s most important habitat on private land.	209,346
Trust for Nature	Iconic Estates - North East Forests and Alps Permanently protecting 60 ha of Victoria’s most important habitat on private land in the North-East Foothills and Alps.	75,196
Trust for Nature	Iconic Estates - Murray River Permanently protecting 300 ha of Victoria’s most important habitat on private land.	401,474
Trust for Nature	Lurg Hills to North East Foothills Connections Strengthening connectivity conservation from the biodiversity, re-vegetation and recovery stronghold of the Lurg Hills through to the North East Foothills; adding to a landscape-scale conservation network linking the Warby Ranges, Winton Wetlands and Lurg Hills to the North East foothills and alps.	372,000
Trust for Nature	Iconic Estates - Glenelg / Grampians Permanently protecting 300 ha of Victoria’s most important habitat on private land.	292,770
Trust for Nature	Iconic Estates - Eastern Forests Permanently protecting 200 ha of Victoria’s most important habitat on private land.	297,843
Trust for Nature	Iconic Estates – Victorian Volcanic Plains (VVP)/Great Otway National Park Permanently protecting 200 ha of the Victorian Volcanic Plain and Great Otway National Park’s most important habitat on private land.	385,365
Trust for Nature	Iconic Estates - Permanent Protection in Wimmera Permanent protecting 250 ha of Victoria’s most important habitat on private land.	161,974
Upper Barwon Landcare Network	Enhancing and Protecting Biodiversity Values in the Otway Plains Protecting and promoting biodiversity in high value areas of the Otway Plains by applying best practice management to remove exotic invasive weeds in partnership with local landholders and land managers.	135,000
West Gippsland Catchment Management Authority	Enhancing Biodiversity at the Bunurong Coastal Landscape Pest control project to protect over 16,000 ha which supports approximately thirty threatened fauna species, seventeen migratory bird species and ten threatened flora species.	1,062,000
Wimmera CMA	Western Victorian Woodlands Phase 4 A large-scale threat abatement project to improve the biodiversity conservation outcomes for a range of key flora and fauna species.	500,000
Yarra Ranges Shire Council	Birds 2 Butterfields Habitat Corridor Improvements Improving habitat and connectivity for the critically endangered helmeted honeyeater beyond Yellingbo Nature Conservation Reserve, by fencing remnant vegetation and controlling weeds and deer.	449,000

Program – Biodiversity On-Ground Action (Tranche 2) - Traditional Owner and Aboriginal Victorian Group Grants.

The program enables work with Traditional Owners and Aboriginal Victorians to include Aboriginal values and traditional ecological knowledge in biodiversity planning and management, supporting aboriginal access to biodiversity for economic development and building capacity to increase Aboriginal participation in biodiversity management.

Recipient	Project	Funding support 2018–19 (\$)
Barapa Land and Water	Kilter Rural on Barapa Country Undertaking forestry gardening to build Traditional Owner knowledge of ecology, pest control and revegetation.	30,000
Barengi Gadjin Land Council Aboriginal Corporation	Traditional Management and Restoration of Roadside Grassland for Cultural Practices Restoring indigenous herbs and grasses along a section of the Wail Polkemmet Road near the Barengi Gadjin Land Council Wail Nursery site.	29,840
Bendigo and District Aboriginal Co-operative	Bendigo Aboriginal Community Garden Constructing a community garden to educate the Aboriginal community about basic horticulture.	17,752
Bunurong Land Council Aboriginal Corporation	Integration of cultural ecological theory Preparing a pilot project area at Cape Woolamai to apply cultural ecological theory into conservation management practice.	30,000
Bunurong Land Council Aboriginal Corporation	Managing Murnong Adopting traditional ecological knowledge of managing country to implement conservation management measures for Murnong.	30,000
Dhudhuroa Waywurro NAC	Dhudhuroa Native Plant Documentation and Signage at Canyon Walk, Bright Dhudhuroa Traditional Owners will share cultural knowledge of native plants found in the Bright Canyon Walk by erecting signage describing these plants and incorporating Dhudhuroa language.	30,000
Dhudhuroa Waywurro NAC	Dhudhuroa Cultural Native Plant Nursery and Language Naming Dhudhuroa Traditional Owners will share cultural knowledge of native plants found in the region between Harrietville and Mount Beauty by identifying and documenting these in the Dhudhuroa language, in addition to developing a native nursery.	30,000
Dja Dja Wurrung Enterprises - Trading as Djandak	Capturing Country Supporting Dja Dja Wurrung Traditional Owners to install remote cameras on country to provide vital information on species interactions in a post-fire environment. This information will provide insights into the relationship between Djandak Wii and native fauna.	29,550
Gunaikurnai Land and Waters Corporation	Moogji Aboriginal Council Nursery Project Developing cultural heritage and botanical knowledge of traditional Gunaikurnai use of the land along the Mitchell River along with an ethnobotanical survey. Information will be shared with the Gunaikurnai community and natural resource management agencies in Gippsland. This knowledge will improve capacity to deliver joint management of the Mitchell River National Park.	30,000

Recipient	Project	Funding support 2018–19 (\$)
Gunaikurnai Land and Waters Corporation	Gunaikurnai grassland restoration through reintroduction of traditional burning Re-establishing Gunaikurnai knowledge of grassland management and reintroducing traditional burning practice in Gippsland to enhance the health of the grasslands and regenerate rare and threatened flora species. Knowledge will be shared with Gunaikurnai communities and natural resource management agencies in Gippsland.	30,000
Gunditj Mirring Traditional Owners Aboriginal Corporation	Tae Rak (Lake Condah) and the Darlots Creek System Developing a fish monitoring program at Tae Rak (Lake Condah) and the Darlots Creek system. Gunditj Mirring Traditional Owners Aboriginal Corporation will hold a workshop for elders to discuss, map and assess these culturally significant wetlands.	30,000
Gunditj Mirring Traditional Owners Aboriginal Corporation	Indigenous partnerships in Victoria – using culturally significant aquatic species and new technology to build joint knowledge and partnerships Working with DELWP research staff and Gunditj Mirring to document the migratory routes of adult Australian eels using archival pop-up satellite tags. This project will provide valuable training opportunities in traditional practices and current survey methods to support approaches to co-managing resources into the future.	30,000
Moogji Aboriginal Council East Gippsland Inc	Moogji Pest Management Program Undertaking a fox baiting system at 130 sites across Far East Gippsland. This project will complement the existing Southern Ark Project and will build capacity of the Natural Resources Management Team.	30,000
Moogji Aboriginal Council East Gippsland Inc	Moogji Aboriginal Council Nursery Project Working closely with the Natural Resources Management Team to identify plants, develop cultural knowledge of native plants and propagating seeds to build the skills and capacity of the Aboriginal community within Orbost and the broader district.	30,000
Petaurus Education Group Inc.	A Pathway for Cultural and Biodiversity Enhancement in Baranduda, an Urban Landscape Enabling Traditional Owners and the school community (St Francis of Assisi Primary School, Baranduda) to share cultural biodiversity values and physical spaces while working to improve remnant vegetation.	29,725
Tati Tati, through the Murray Lower Darling Rivers Indigenous Nations (MLDRIN)	Margooya Lagoon cultural and biodiversity assessment project Supporting Traditional Ecological Knowledge to inform wetland and biodiversity management by documenting cultural values, watering objectives and knowledge of the biodiversity of Margooya Lagoon a culturally significant wetland near Robinvale.	29,730
Wadawurrung (Wathaurung Registered Aboriginal Party based in Ballarat)	Wadawurrung Knowledge Exchange Working together with the Moorabool Landcare Network and Wadawurrung to create opportunities to engage Landcare specialists to develop training and insights into knowledge gaps in land management. This project will build on Wadawurrung's biodiversity capacity, which will also benefit stakeholders requiring Wadawurrung engagement for a range of diverse and challenging biodiversity-related projects.	30,000

Recipient	Project	Funding support 2018–19 (\$)
Wandoon Estate Aboriginal Corporation	Coranderrk: Connecting to country by understanding and managing our land Improving community understanding of biodiversity at Coranderrk, adopting indigenous and non-indigenous methods to manage land and waterways and training presenters to educate visitors to Coranderrk on land management.	30,000
Winda Mara Aboriginal Corporation	Kooreelah Wildlife Corridor Protecting 7ha of remnant streamside vegetation to develop a wildlife corridor linking Dergholm State Forest and Glenelg River. This will provide an important link for species including the endangered red-tailed black cockatoo. Winda-Mara staff will be trained in fencing, seed collection and planting local indigenous species and sharing traditional ecological knowledge.	29,216
Winda Mara Aboriginal Corporation	Fauna Survey and monitoring Project Tyrendarra and Budj Bim Indigenous Protected Areas Fauna monitoring protocols will be developed and undertaken across each Indigenous Protected Area within Tyrendarra. Budj Bim rangers will be trained to use fauna monitoring and surveying equipment, playing a lead role in collecting data to inform monitoring protocols.	28,100
Wooragee Landcare Group	Traditional Fire knowledge as a tool for Landcare in the North East of Victoria Bringing together landholders and Traditional Owners to improve native vegetation condition by adopting traditional fire knowledge practices and land management philosophies.	29,820

Program – Coastal Environments Program - Coastal Public Access and Risk Grants

The Coastal Public Access and Risk Grant initiative provides financial assistance to Victorian coastal Crown land managers to reduce coastal risk and improve public access. 2018-19 is the second year of a two-year funding commitment, with up to \$1 million available in grants each year.

Recipient	Project	Funding support 2018–19 (\$)
Bass Coast Shire Council	Cowes East Foreshore: Erosion Management Planning Conduct research into coastal processes to inform future management interventions.	25,000
Borough of Queenscliffe	Beach Condition and Hazard Identification Assessment Conduct audit of beach hazards and recommend appropriate safety signage.	7,000
DELWP/East Gippsland Shire Council	Bullock Island pedestrian and vehicle separation and demarcation works Formalise pedestrian access with bollards and signage.	16,800
Dromana Foreshore Committee of Management Inc.	Fire Management Plan for LaTrobe Reserve Dromana Prepare fire management plan for site.	7,810
Grantville and District Foreshore Committee	Reduction of Public Risk From steel debris and Improve Erosion Prevention Remove failed beach infrastructure, including buried steel reinforcement bar.	40,000
Great Ocean Road Coast Committee Inc.	Anglesea Beach Access ramp Remove current degraded ramp and build re-aligned beach access.	150,000
Great Ocean Road Coast Committee Inc.	Coastal and Terrestrial Process Dynamics in Anglesea Bay Conduct research into coastal processes to inform future management interventions.	28,147
Kingston City Council	Bay Trail Continuation Contribute to extension of bay trail to remove users from main roads.	150,000
Mornington Peninsula Shire Council	Mornington/Mt Martha cliffside fence upgrade – Phase two Continue upgrade of fencing along cliff sections.	35,000
Moyne Shire Council	Bourne Avenue Access Ramp, East Beach, Port Fairy Build re-aligned beach access ramp.	100,000
Otway Coast Committee	Kennett River Holiday Park Fire Hose Reels Replace fire hose reels in line with Australian standards.	4,480
Otway Coast Committee	Skenes Creek Beach Accesses Rebuild access stairs and ramp damaged in storm.	18,018
Otway Coast Committee	Wye River Boardwalk Repair unsafe structure including bearers and treads.	3,990
Sandy Point Foreshore Committee of Management Inc.	Sandy Point Boardwalk Extension and Roy Henderson Path Upgrade Extend boardwalk to reduce impact on primary dune and upgrade path to facilitate safe pedestrian access.	25,500
Seaspray Reserve Committee of Management Inc.	Seaspray foreshore path and crossover Surf Club to Creek Extend path to separate pedestrians from main road.	20,000

Recipient	Project	Funding support 2018–19 (\$)
Warrnambool City Council	Lady Bay Investigation and Decommission McGennas and Worm Bay Access – community consultation and removal of unsafe infrastructure.	9,900
Warrnambool City Council	Landscape Master Plan for Levys Point and Spooks Identify risks and options for beach access points.	20,000
Warrnambool City Council	Shipwreck beach Access Reconstruct beach access.	93,400
Warrnambool City Council	Surfside beach Access Reconstruct beach access.	46,700
WhiteCliffs to Camerons Bight Foreshore Reserve Committee of Management	Stairway Replacement and Coastal Erosion Mitigation Re-build beach access stairs and rebuild retaining walls.	52,000

Program – Coastal Environments Program - Coastcare Victoria Community Grants

The Coastcare Victoria Community Grants support community organisations to take practical local action to protect and enhance the coastal and near-shore marine environment. The grants support the conservation of coastal and marine ecosystems and environments across the State through rehabilitation, restoration and preventative conservation actions.

Recipient	Project	Funding support 2018–19 (\$)
Beach Patrol 3280	Stop the POP (Plastic Ocean Pollution) Reduce plastics from entering oceans with source reduction plans for five marine debris plastic items.	14,793
Bellarine Bayside Foreshore Committee of Management	Northern Bellarine Red-Capped Plover Community Education Community engagement, monitoring, data collection and habitat improvement to protect the Red-capped plover.	14,200
Bellarine Landcare Group	Coastal and Inland Plants: Booklets for the Bellarine Peninsula. Update and reprint pocket size field guides for management and conservation of native flora.	14,120
Bellarine Catchment Network	Creating our Future Coast-carers Empowering the broader community in taking a conscious and active role in reducing environmental pressures.	9,700
Earthcare St Kilda Inc	St Kilda Penguin Visitor App Multi-lingual tourist information and citizen science app for visitors to the St Kilda Little Penguin colony.	10,000
East Gippsland Rainforest Conservation Management Network	Chinaman's Creek Rainforest Recovery Improve ecological condition and public appreciation for critically endangered littoral rainforest.	13,475
Frankston Beach Association Inc.	Wells Street to Beach Street Foreshore Rehabilitation Project Rehabilitate approximately 10,000sq m of degraded coastal dune.	10,000
Friends of Beware Reef	Macro video footage of marine mammals Upgrade equipment to record educational macro video footage on Gippsland Lakes Project.	3,608
Friends of Earimil Bluff (MEAFEC)	Protecting, extending and interpreting biodiverse botanical reference area Earimil Bluff Extend habitat corridor to protect biodiverse Red Bluff Coastal Headland Scrub.	6,457
Friends of Chinamans Creek Inc.	Chinamans Swamp Skink Habitat Restoration Project Protect and enhance the Swamp Skink habitat at Chinamans Creek and Rosebud Foreshore.	9,966
Friends of Flinders Coastline Inc.	Coastal Flinders Restoration Project Restore coastal vegetation at Flinders, Mornington Peninsula National Park.	9,975
Friends of the Prom Inc.	Sea Spurge Removal Stage 2: Restoring Hooded Plover Habitat at Squeaky Beach Remove the invasive weed Sea Spurge (<i>Euphorbia paralias</i>) from Squeaky Beach in Wilsons Promontory National Park.	4,750
Friends of Mallacoota	Rehabilitate Gabo Island Removal of threats to vulnerable native flora species and flora survey work.	3,280

Recipient	Project	Funding support 2018–19 (\$)
Friends of Williams Roade Beach (Mt. Eliza Association for Environmental Care)	Furthering resilience at steep locations & enhancing site understanding of scouts, Mt. Eliza Foreshore Ongoing restoration in 2.85ha of foreshore-habitat.	\$6,231
Harmers Haven Residents and Ratepayers Group - Friends of Harmers Haven	Continuation of Successful Sea Spurge Control on Primary Dunes at Harmers Haven Extend control of the invasive coastal weed Sea Spurge (<i>Euphorbia paralias</i>) at Harmers Haven.	12,957
Harmers Haven Residents and Ratepayers Group - Friends of Harmers Haven	Eradicating Cape Honey Flower at Harmers Haven Eradicate Cape honey-flower (<i>Melianthus major</i>) at Harmers Haven.	9,365
Gippsland Plains CMN	Eagle Point enhancement and education Control several high threat weeds in a coastal area of Redgum forest.	14,275
Jan Juc Coast Action	Caring for Jan Juc's heathlands Continued eradication of highly invasive <i>Gazania</i> from 40ha coastal reserve.	15,000
Killarney Coastcare Group	Belfast Coastal Reserve Spring Planting 2019 Revegetation of Belfast Coastal Reserve with local school students.	5,190
Making a Difference for the Merri (MAD) Landcare group	Woollen Mill Riparian Restoration - Merri River Weed management and revegetation of Merri River frontage salt wedge estuaries.	5,445
McCrae Homestead Coastal Group Inc	Protecting Coastal Banksia woodland and revegetating degraded spaces- McCrae foreshore Removal of invasive weeds to strengthen connectivity, biodiversity, habitat and local amenity.	9,912
MESAC - Marine Education Science and Community Centre Inc	MESAC - Who are we and why are we important to our oceans and community? Hold a series of diverse inclusive activities to raise awareness of marine environmental issues.	10,000
North Geelong Secondary School Green Action Project	The Green Action Project/ North Geelong Secondary School Work readiness program for students aged 15-18 years to conserve and preserve coastal environments.	9,662
Safety Beach Foreshore Landscape Committee Inc.	Coast Care Safety Beach 2019/20 Revegetate and manage weeds in selected dune areas and adjacent foreshore areas.	8,462
South West Environmental Education Inc.	Fawthrop Lagoon Restoration and Revegetation Project Restore Fawthrop Lagoon Reserve to a high valued wildlife habitat with endemic vegetation.	4,574
Torquay Landcare Group Inc	Spring Creek our hidden jewel Protecting the biodiversity of the tidal reach of the Spring Creek corridor.	3,070
Victorian National Parks Association	Great Victorian Fish Count Largest annual marine citizen science event in Victoria engages hundreds of volunteers to collect fish data.	9,938

Recipient	Project	Funding support 2018–19 (\$)
Victorian Wader Study Group Inc	Sustaining long-term studies of waders and terns in South Eastern Australia Gather comprehensive scientific data on waders and terns throughout Victoria on a long-term basis.	5,500
Warrnambool Coastcare Landcare Network	Thunder Point Coastal Reserve Conservation Project 2019 Citizen science monitoring of the Little Penguin colony in Thunder Point Coastal Reserve.	10,000

Program – Collaborative Council – Sustainability Fund Partnership Program

Provisions of matched funding of up to \$75,000 to groups of councils to collaborate with each other on a joint business case or feasibility study to achieve positive business and environmental outcomes.

Recipient	Project	Funding support 2018–19 (\$)
Darebin City Council	Local Government Power Purchasing Agreement commercial services model Independently assessing the commercial aspects underpinning the business case (undertaken separately), providing future governance frameworks and additional engagement activities designed to support all members of the Local Government Power Purchasing Agreement Project to make an informed decision on future participation.	75,000
Glen Eira City Council	Feasibility Study for Shared Services enabling Council collection and management of general, organic and recyclable waste Developing a feasibility study for the establishment of a Council-led collaborative recycling, organics and waste collection contract for Multi-Unit Developments and Small to Medium Enterprise businesses across the Cities of Glen Eira and Port Phillip.	60,000
Greater Bendigo City Council	Lighting the Regions Major Roads Project Scoping options for the eighteen councils in the Lighting the Regions project group to deliver the major road lighting bulk changeover program from 2019-20, as well as the residential lighting replacement for the City of Ballarat.	74,000
Hume City Council	Local Government Climate Adaptation Research-Practice Hub Investigating and piloting a collaborative climate change adaptation research and practice hub. To meet the research and peer learning needs of local government through coordinating research development, delivery, and knowledge sharing of local governments with support from universities.	73,000
Mitchell Shire Council	Development of a Resource Recovery Centre Fire Risk Assessment tool Developing a replicable Resource Recovery Centre (RRC) Fire Risk Assessment tool that can be utilised by councils to identify fire hazards and risks. It includes the Resource Recovery Centre Fire Risk Assessment of each of the thirty-six RRCs in the Goulburn Valley region and the development of a Resource Recovery Centre Site Fire Management Plan template.	30,000

Recipient	Project	Funding support 2018–19 (\$)
South Gippsland Shire Council	Charging Gippsland for Future Transport – Electric Vehicle Infrastructure Developing a feasibility study into the optimal location, types, and feasibility of council investment in, electric vehicle (EV) charging infrastructure. Involving all six Gippsland region councils, the project will examine the planning and asset management implications and considerations resulting from the looming demand for EV charging infrastructure.	\$30,000
Strathbogie Shire Council	Carbon Crunching Councils: Resourcing Greenhouse Inventory Management Developing a business case for an ongoing shared service that manages Council utilities, and greenhouse gas information, management, and reporting. The business case will test 'proof of concept' for the utility management component of the greenhouse gas emissions inventory.	32,480
Swan Hill Rural City Council	From Waste to Growth - transforming organic waste to usable resource Developing a business plan for a regional composting facility to allow councils to transform agricultural, industrial, commercial and household organic waste into a resource. The plan will address all aspects of establishing a successful enterprise: financial, technical, markets, supplies, logistics, management model, community response and long-term viability.	36,000
Wangaratta Rural City Council	Main Road Lighting Efficiency Business Case Investigating the upgrade of main road streetlights across the Hume region to energy efficient globes to reduce energy costs and greenhouse gas emissions. It includes a business case and assessment of the financial viability and payback periods to consider future staged implementation.	30,500
Wodonga City Council	Sustainable Design Assessment in the Planning Process - Subdivisions Developing a State-wide Assessment Framework for Subdivisions to facilitate construction of resource-efficient dwellings and resilient neighbourhoods. This includes implementation pathways for regional and metropolitan councils to use in trials, demonstration projects and provide resources for implementation through Council Planning Schemes.	75,000

Program – Energy Storage Initiative

The program funds the deployment of two battery storage projects (minimum capacity of 20 megawatts) in western Victoria. The projects will strengthen the Victorian electrical system by improving reliability and security of the electricity network and drive the development of clean technologies.

Recipient	Project	Funding support 2018–19 (\$)
Spotless Sustainability Services	Energy Storage Initiative – Ballarat Energy Storage System (BESS) Grant funding to procure, build and operate a large utility scale lithium ion battery. The project has delivered a 30 megawatt / 30 megawatt hour battery at the Ballarat terminal station, a key point in the North West electrical network to increase reliability and stability.	12,250,000

Program – Microgrid Demonstration Initiative – Round 1

The Microgrid Smart trial program facilitates innovative market driven commercial microgrid demonstration projects to enable lower energy cost, more reliable power and reduced emission to support Victoria's transition to a low carbon economy.

The first round of grants supports the development and implementation of microgrid demonstration projects to address key microgrid sector challenges and contribute to the unlocking of the sector in Victoria.

Recipient	Project	Funding support 2018–19 (\$)
Euroa Environment Group	Euroa Microgrid The Euroa Microgrid project will demonstrate the economic opportunities for shared renewable energy and battery assets in communities. It will reduce the local demand for electricity from the grid and reduce the need for seasonal diesel generators. The community of Euroa will demonstrate an economic alternative for local renewable generation for network operators.	680,000
Monash University	Microgrid Electricity Market Operator This project seeks to establish a Microgrid Electricity Market Operator, managing 100% renewable-powered microgrids and unlocking new value for customers. Following market assessment and the implementation of a business and transition plan operational market trials will be undertaken. This will produce a roadmap for new business establishment in Victoria.	441,450
Origin Energy Ltd	Origin Energy Virtual Power Plant Project The project will demonstrate strategies to address the challenges of deploying distributed generation assets and their current economics by coordinating a Virtual Power Plant (VPP). The VPP will deliver benefits to customers by unlocking value derived from collaborating with networks to reduce network loads, to increase resilience and to provide tariff differentiation. This cloud-based project will distribute power from up to 650 customers with solar photovoltaics (PV) and batteries during peak periods. The VPP will boost grid stability by discharging power from solar PV and batteries located at homes and commercial and industrial sites to reduce their power bills.	4,500,000
Ovida Pty Ltd	Community Energy Hubs demonstration The project will install shared solar PV and battery systems at three multi-tenanted buildings in Melbourne. This will demonstrate how residential and commercial tenants can access and share renewable energy resources to reduce household energy costs. The scheme will allow interested tenants to opt-in and reduce the amount of electricity purchased from the electricity grid.	980,000
SwitchDin Pty Ltd	Birchip Cropping Group Microgrid demonstration The project will deliver a microgrid that will include solar PV and battery storage at Birchip Cropping Group's local facility. This will provide a working demonstration of microgrid technology and its ability to lower energy costs and improve energy reliability for the region's farmers.	210,000
Totally Renewable Yackandandah (TRY)	TRY Constrained SWER Microgrid Demonstration This project will establish a microgrid in Yackandandah to help cut energy bills for local residents and help the community achieve their 100 per cent renewable energy target. The project will increase the number of houses with solar PV and batteries on a Single Wire Earth Return (SWER) powerline and include control technology to manage network security.	380,389

Program – Microgrid Demonstration Initiative – Round 2

As the second grant round of the Microgrid Demonstration Initiative, the Latrobe Valley Microgrid Program supports the development and implementation of a microgrid project located in the Latrobe Valley with the aim of lowering the cost of energy for local businesses and encouraging investment in the region.

Recipient	Project	Funding support 2018–19 (\$)
Ovida Pty Ltd	Solar Partnering Around Regional Communities The Solar Partnering Around Regional Communities project will deliver up to 75 microgrids across the region in multi-tenanted sites and is expected to lower energy prices by up to 25 percent for participating businesses, supporting the transition of the Latrobe Valley to a low-emission economy.	3,000,000

Program – Recycling Services Temporary Relief Funding Program

The Victorian Government has committed to support the recycling industry and local governments through an injection of temporary funding to councils and alpine resort boards to support their recycling systems.

Recipient	Project	Funding support 2018–19 (\$)
Falls Creek Alpine Resort Management Board	Falls Creek Alpine Resort Management Board Grant to cover a portion of the price rises in the period 1 June 2018 to 30 September 2018 directly associate with kerbside recycling services.	14,769
Mt Buller and Mt Stirling Alpine Resort Management Board	Mt Buller and Mt Stirling Alpine Resort Management Board Grant to cover a portion of the price rises in the period 1 June 2018 to 30 September 2018 directly associate with kerbside recycling services.	11,657
Mt Hotham Alpine Resort Management Board	Mt Hotham Alpine Resort Management Board Grant to cover a portion of the price rises in the period 1 June 2018 to 30 September 2018 directly associate with kerbside recycling services.	4,803
Southern Grampians Shire Council	Southern Grampians Shire Council Grant to cover a portion of the price rises in the period 1 March 2018 to 30 June 2018 directly associate with kerbside recycling services.	39,120

Program – Understanding and Adapting to Climate Change – Productive Partnerships

The objectives of this program are to build strategically important local and international partnerships to share knowledge, expertise and resources to assist Victoria on its pathway to net zero emissions by 2050 and to climate resilience. It will also assist in the delivery of Victoria's climate change policy agenda as outlined in the Victorian Climate Change Framework and required under the *Climate Change Act 2017*.

Recipient	Project	Funding support 2018–19 (\$)
Climate Group	Under2 Coalition Supporting Victoria's engagement in international and subnational activities, events and forums through membership in Under2 Coalition. The Under2 Coalition is a coalition of state and regional governments committed to supporting the efforts of nations and delivering the goals of the Paris Agreement.	21,000
Carbon Market Institute (CMI)	6th Australasian Emissions Reduction Summit Gold Sponsorship of the Carbon Market Institute's 6th Australasian Emissions Reduction Summit. This brings leading businesses and governments together to discuss the challenges and opportunities involved in accomplishing the transition to a thriving low carbon economy.	15,000

Program – Peri-Urban Weed Management Partnerships

This is a partnership grant with local government to manage landscape-scale management of weeds on public land assets. The Peri-Urban Weed Management Partnerships Program is a collaboration between nineteen government or partner agencies, twenty-two community groups and over 3,000 private landholders to protect key biodiversity assets in Melbourne's peri-urban areas from high risk weeds.

Recipient	Project	Funding support 2018–19 (\$)
Brimbank City Council	Maribyrnong Valley Connection Joint project with Maribyrnong and Hume City Councils to protect biodiversity values in the Maribyrnong valley.	165,000
City of Greater Dandenong	Lower Dandenong Creek Joint project with the Cities of Greater Dandenong and Knox to improve and protect biodiversity values in Dandenong Creek and the adjacent Police Paddocks.	122,900
Mornington Peninsula Shire Council	Mornington Peninsula Weed Control To improve and protect habitat at the Police Point Bushland Reserve, Point Nepean National Park and Arthurs Seat State Park.	122,900
Nillumbik Shire Council	Rivers to Ranges Joint project between the Shire of Nillumbik and the Cities of Whittlesea and Manningham to protect biodiversity values within the Kinglake-Warrandyte-Plenty River Bio link.	157,582
Shire of Cardinia	Cardinia Creek Riparian Rehabilitation Joint project between the Shire of Cardinia and City of Casey to improve and protect biodiversity values in the Cardinia Creek system.	150,000
Yarra Ranges Council	Dandenong Ranges Weed Removal Joint project between the Shire of Yarra Ranges and Knox City Council to improve and protect biodiversity values in the Dandenong, Dodson's and Sassafras Creek headwaters.	122,900

Program – Marine Environment Targeted Actions

This program facilitates strategic partnerships to improve marine habitats and species of conservation concern.

Recipient	Project	Funding support 2018–19 (\$)
Gunaikurnai Land and Waters Corporation	On-Country Marine and Coastal Program This project will result in a reduction of critical threats to sea birds. This will enhance the biodiversity of over 354 km ² of the Ramsar-listed Gippsland Lakes marine ecosystem. Management actions will improve species resilience for the Pelican and the Musk Duck, totemic species for Gunai Kurnai people.	249,500
National Centre for Coast and Climate	Optimal Management of Overabundant Sea Urchins in Victoria The project will fill key knowledge gaps in the understanding of urchin biology and develop an urchin management plan to assist future on-ground action. Removal of overabundant urchins from 32.5ha of reef will assist in revegetating barren reefs.	620,000
Phillip Island Nature Parks	Reducing pollution from marine environment users to reduce marine waste and marine mammal entanglements The project aims to address the socio-economic threats presented by marine plastics to the Bass Strait. Plastic waste contributes to the death of marine life, degrades habitat and presents a public health hazard via bioaccumulated human ingestion. This project implements practical immediate solutions such as providing bins to commercial fishing vessels in return for a commitment to improved practices.	44,100
Victorian Fisheries Authority	Restoring Marine habitat and biodiversity in Eastern Victoria The project will restore temperate reef habitat and biodiversity by reducing sea urchin encroachment in Eastern Victoria. This will help to recover the reef kelp canopy and algal understory. These habitats provide protection and food for a diverse range of fish and crustaceans.	200,000

Program – Victorian Coastal Monitoring Program

This program facilitates the development of strategic partnerships to undertake coastal erosion assessments.

Recipient	Project	Funding support 2018–19 (\$)
Deakin University	Improving Coastal Erosion Assessments of Victoria's Open Coast This project will determine shoreline and adjacent marine subtidal sediment dynamics across 15 priority locations of Victoria's open coasts. The project includes a major citizen science component to monitor shorelines. It will model and forecast changes to the coastal zone in response to climate change and sea level rise scenarios.	1,500,000
Deakin University	Nearshore Wave Climate Monitoring Project Four wave spotter buoys will be deployed in nearshore waters off priority open coastal locations such as Port Fairy, Apollo Bay and Inverloch to improve coastal erosion modelling and forecasting.	45,000
Monash University	Improving Erosion Assessments for Victoria This project will improve the understanding of the dynamics of sediment shoreline dynamics in Western Port Bay. The project includes re-mapping of the regions' coastal acid sulphate soils and citizen science monitoring of mangroves and saltmarsh communities in response to sedimentary changes.	450,000
The University of Melbourne	Coastal Waves and Sea Level Study The project will collect data from three large offshore wave buoys. This will allow significant downscaling of the future wave climate and sea level rise predictions in Victoria's jurisdictional waters over the next 50 to 100 years.	850,000

Program – Support for Landcare

Victorian Junior Landcare and Biodiversity grants focus on projects that address threats to biodiversity, for example restoring and enhancing habitat, undertaking pest control or educating young Victorians about their natural environment.

Recipient	Project	Funding support 2018–19 (\$)
Landcare Australia	Victorian Junior Landcare and Biodiversity Grants process Landcare Australia was engaged to manage the Victorian Junior Landcare and Biodiversity Grants process (including applications, assessments and reporting) and overseeing 123 projects in 2018-19.	453,972

Program – Virtual Centre for Climate Change Innovation

The grants support action, innovation and collaboration between businesses, industry, researchers and government to reduce greenhouse gas emissions and adapt to climate change.

Recipient	Project	Funding support 2018–19 (\$)
Bass Coast Landcare Network Inc.	Climate Change Land Capability and Capacity This project will enable Southern Gippsland farmers to respond to climate change challenges by providing the agricultural sector with twelve detailed case study action plans. Specific climate resilient opportunities for innovation and diversification will be documented to inform climate change decision-making.	254,236
City of Greater Bendigo	Commercial Organics Diversion Trial The City will provide organic waste material 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.	73,000
Climate for Change	Conversations for Change Work with locals to develop and deliver resources for peer to peer communication to build greater acceptance of climate change and the changes it necessitates and improve trust and willingness within the community to work together towards a just transition.	123,000
ClimateWorks Australia	Electric vehicle ready local government fleets This project will enable local governments to increase electric vehicle (EV) uptake in their fleets. Working with Municipal Association of Victoria 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
Closed Loop Environmental Solutions	CLO'ey a food waste processor for home or office The funds will be used for the 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 unprocessed food waste separation is undesirable.	300,000
Deakin 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 and power storage unit for use where conventional solar panels are not applicable.	56,552

Recipient	Project	Funding support 2018–19 (\$)
Forrest and District Community Group	<p>The Forrest Gateway to the Otways – assessing feasibility, building collaboration</p> <p>This project will explore the feasibility and options of implementing 'Forrest Gateway to the Otways Collaborative Research and Learning Facility and Fire Refuge'. This will include the technical assessment and design options for fire refuge; the feasibility of a co-located, community driven, collaborative climate research and interactive learning facility. It will also develop an economically and socially sustainable business model for the site led by a community organisation.</p>	250,000
Geelong Sustainability Group Inc.	<p>Climate safe rooms</p> <p>This project will trial the delivery of 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, in existing homes of participating vulnerable residents.</p>	300,000
Heytesbury District Landcare Network	<p>Keeping carbon on the farm</p> <p>This pilot project provides 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 revegetation, carbon-sequestering soil amelioration trials and energy reduction strategies.</p>	146,582
La Trobe University	<p>Increasing soil carbon sequestration in dryland grazing systems</p> <p>La Trobe University will work with farmers to test the addition of compost and undertake timed grazing to improve soil biology. This will potentially increase soil carbon sequestration, enhance soil water moisture, reduce emissions and increase farmers resilience to climate change.</p>	300,000
Monash University	<p>Big data analytic approach to assessing impacts of harmful temperatures on wheat crops in northern Victoria: regional economic impacts and opportunities for adaptation</p> <p>The funds will be used to analyse the current and future impacts of extreme daily-temperatures on the wheat economy in north-western Victoria. Through engagement with farmers and the use of innovative-big-data models and statistical techniques, the economic costs/benefits of different options within an adaptation framework will be assessed.</p>	300,000
Monash University	<p>Victorian TV Weather Presenters as Climate Change Communicators</p> <p>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.</p>	287,636

Recipient	Project	Funding support 2018–19 (\$)
Nature Glenelg Trust	<p>Wannon River floodplain restoration: Demonstrating practical climate change mitigation action</p> <p>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. The artificial drainage will be reversed to restore wetland habitats for threatened species and buffer the site against climate change.</p>	300,000
Precision Agriculture Pty Ltd	<p>Demonstrating fertiliser management for emissions reduction in Victorian dairy industry</p> <p>The project will demonstrate on five 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. The project model will have national application.</p>	125,000
RMIT University	<p>A rapidly deployable fire protective system for firefighters</p> <p>The increasingly warmer and drier climate in Victoria 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.</p>	78,066
RMIT University	<p>Enhanced Indoor Air Quality (IAQ) for improving the Well-being of Vulnerable Populations in Victoria</p> <p>This project aims to enhance the indoor air quality for vulnerable populations through the application of fresh filtered air ventilation in schools and aged care facilities. 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.</p>	270,000
RMIT University	<p>Self-sensing flood resilient smart roads</p> <p>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.</p>	78,000
Southern Farming Systems	<p>Minimising emissions from timing and placement of nitrogen in high rainfall cropping</p> <p>Nitrogen use efficiency can be improved by deep banding ammonia-based fertiliser, but none of the research has been undertaken in the high rainfall zone of southern Victoria. This project aims to establish if this research is valid in the Victorian environment and whether the technique can reduce nitrous oxide emissions, denitrification and nitrate leaching in these areas.</p>	77,000
Tarnagulla Alternative Energy Group	<p>Tarnagulla Community Based Emergency Management Study</p> <p>This grant funds a detailed study of community strengths and challenges to inform a resilience plan that will support the community in managing future natural disasters which are increasing due to climate change.</p>	50,000

Recipient	Project	Funding support 2018–19 (\$)
The University of Melbourne	Bay Beach Resilience to Climate Change The beaches of the Bellarine are currently eroding. Traditional models cannot predict their future stability because intertidal rocky outcrops interfere with sand movement. The project will combine the latest field technology (drones and wave probes) with citizen science to predict beach movement to allow coastal managers to be climate change ready.	54,020
The University of Melbourne	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 with the overarching goal of increasing carbon abatement through the integration of trees in rural landscapes.	252,800
The University of Melbourne	Nature-based innovations to help coastal communities adapt to climate change Combining advanced manufacturing with innovative community engagement, the project will trial eco-engineered mangrove planters as an adaptive and socially accepted solution to coastal defence.	299,580
Wodonga City Council	Putting the Wodonga community solar business case into action The Wodonga Community Solar project will implement an innovative working example of a community renewable energy model, that provides benefits to the entire community, including helping adaptation for low income households.	199,000

