

# Environews

Issue 8 July 2019



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# Downer switches off



## On 30 March, Downer staff across the globe switched off.

Switched off our lights. Switched off our TVs. Switched off electrical devices for Earth Hour.

Earth Hour reflects Downer's commitment to sustainability and is a great opportunity to develop good sustainability habits that go beyond the hour to save energy and help our environment in the future.

*"Participating in Earth Hour serves as a simple, but powerful sign of support to recognise the impact of climate change,"* Downer's Head of Zero Harm, Julie Wills, says.

"At Downer, one of our Zero Harm goals is to sustain the communities in which we operate, so it is imperative that we continue to minimise our impact on the environment and demonstrate our commitment to sustainability."

Downer teams participated in a number of different ways.

Before leaving sites/offices on Friday afternoon, 29 March, we switched off computers, monitors, printers and non-essential lighting. Safety requirements like emergency lighting and security systems stayed on.

We also encouraged family and friends to take part at home by turning out lights on 30 March from 8.30-9.30pm.

Downer also participated in WWF Australia's Earth Hour Solar Light Challenge initiative again this year, which provides solar lights to children living in remote communities in Papua New Guinea.



WWF Australia's Earth Hour Solar Light Challenge involved teams at various sites assembling solar lights in a hands-on and engaging activity. The lights were then sent to kids in remote PNG to help them study without needing harmful kerosene lamps. Pictured above is Mining, Energy and Industrial's Oil and Gas team, along with representatives from Mining West, completing the challenge at our Perth office.



The Rollingstock Services team at our Auburn Maintenance Centre joined forces with some Reliance Rail representatives to build their solar lights.



**This project demonstrates Downer's contribution to achieve the following Sustainable Development Goals: #7 Affordable and clean energy, #13 Climate action**





# Giving hope

This is a disturbing statistic: domestic violence is the leading cause of homelessness in Australia. Over one-third of people accessing homelessness services in Australia are women and children who are fleeing physical and/or emotional abuse at the hands of their partner.

In recognition of International Women’s Day on 8 March, Downer participated in Habitat for Humanity’s Homes of Hope program, which mobilises teams of corporate volunteers across New South Wales, Queensland, Victoria and South Australia to renovate women’s crisis accommodation and build homes for vulnerable women in Australia.

Having a clean, safe and well-maintained place to go is an important component for women leaving an abusive relationship. Existing services cannot meet the demand for crisis accommodation and the available accommodation is often run down and in need of refurbishment.

Employees from Mining, Energy and Industrial (MEI), Transport and Infrastructure (T&I), Spotless and the Corporate function participated in Brisbane, Melbourne and Sydney, getting their hands dirty with tasks including painting, garden maintenance and building retaining walls.

“Understanding what a home means to many people that do not have stable shelter was confronting,” Spotless’ Chief Information Officer, Shainal Kavar, says. “The story of the partner family who will stay in the house we worked on made the day real for all of us.”

While it was fantastic to support families who need some help, our team also found it very rewarding.

“I already have a deep appreciation for the luxuries in my life, however, this day taught me to appreciate even the basic needs of safety and security, to which many that enter the home don’t have,” Group HR Advisor, Ashlee Renshaw, says. “It also taught me that there is yet another area of the charitable landscape that I didn’t know existed and flies under the radar – just doing good for people in need.

“It’s often hard to justify the time away from your desk and workload, but if you can get the support of your manager – or you are a manager of someone who has applied – jump at the opportunity to be involved or support. There is only positive gain and positive give from the experience.”

## Who is Habitat for Humanity?



Driven by the vision that everyone needs a decent place to live, Habitat for Humanity began in 1976 as a grassroots effort. The housing organisation has since grown to become a leading global non-profit working in more than 70 countries.

Worldwide, Habitat has helped more than 13.2 million people obtain safe and decent housing, along with the strength, stability and independence to build better lives.

This project demonstrates Downer’s contribution to achieve the following Sustainable Development Goals: #1 No poverty, #3 Good health and wellbeing





# Excellent result for Newcastle

Together with Transport for NSW (TfNSW), Downer delivered the Newcastle Light Rail in February 2019 – the project was completed on budget, on schedule and featured industry-leading sustainability initiatives.

In May 2019, Newcastle Light Rail received an Infrastructure Sustainability Council of Australia (ISCA) 'Design' rating of Excellent. It was worthy recognition for a project that set new benchmarks in energy and heritage conservation and community engagement.

It is the first light rail project in NSW to achieve a Design rating of Excellent and reinforces Downer's reputation as an industry leader in sustainability. Achieving this Excellent rating is the latest in a number of our projects to gain an ISCA rating, including the Melbourne Cricket Club's Yarra Park Wastewater Treatment plant, the Whitsunday Wastewater Treatment plant upgrade, and the Ararat Wind Farm.

ISCA's Infrastructure Sustainability (IS) rating scheme is Australia and New Zealand's only comprehensive rating system for evaluating sustainability across the planning, design, construction and operational phases of infrastructure programs, projects, networks and assets. IS evaluates the sustainability performance of the quadruple bottom line (Governance, Economic, Environmental and Social) of infrastructure development.

Our customers are increasingly requesting projects are constructed to meet the requirements of achieving an ISCA rating.

*"ISCA is part of our service offering to our customers in Australia and New Zealand," Downer's Group GM Environment and Sustainability, Ricky Bridge, says. "We don't just do this because our customers contractually require an ISCA rating, we see this as a differentiator and an opportunity to work in partnership with our customers in delivering sustainable infrastructure."*

The environmental benefits of meeting the IS rating criteria are central to Downer's Zero Harm philosophy. But there is also a direct correlation between achieving an IS rating and adding value to Downer and our customer.

Key initiatives that contributed to Newcastle Light Rail achieving the Excellent rating include:

- Opening up the old rail corridor for green spaces, future redevelopment, and transforming the old Newcastle Station as an area for new businesses and social events



SUSTAINABILITY RATING



# Light Rail!

- Design and delivery of the first end-to-end catenary-free light rail system in Australia, saving approximately 157 tonnes of steel and aluminium and over 700m<sup>3</sup> of concrete that would otherwise have been used for poles, reinforcement, cantilevers, footings and anchors. In addition to material savings, this initiative also provides safety, aesthetic and amenity benefits to the operators and community
- Installing a vehicle washdown system that uses 15 per cent of the water of conventional systems. The Light Rail Vehicle Wash Facility also has solar panels installed to minimise ongoing electricity use, emissions and costs
- Material reduction in pavement thicknesses, reduction in track form, removal of overhead wiring from design (and associated concrete footings, steel, pavements) and high rates of recycled materials resulted in a 21 per cent reduction in greenhouse gases
- 25 per cent of electricity for the main site compound from purchased green energy
- Extensive community engagement to maximise the public's light rail use. Community and stakeholder engagement was undertaken from early concept and feasibility phase right through to major construction and final testing and commissioning phases
- Commissioning a large mural depicting a local Aboriginal woman and child (pictured above, top right), to enhance the cultural and intangible value of the project, and ensure Newcastle's character is maintained
- New 'public art spaces' such as a sculpture/seating area and heritage interpretation signage at the light rail stops

- Heritage interpretation implemented throughout the project to enhance understanding of Newcastle's heritage, to educate members of the public and to reinforce a sense of place
- More than 500 trees replanted along the alignment and in local rehabilitation areas (team pictured at replanting, above).

The Newcastle Light Rail Project progressed beyond the sustainability outcomes inherent in light rail to ensure the project was not only designed and constructed with sustainability in mind, it was planned for a sustainable long-term future, and strongly supported by the community in which it operates.

"Credit also needs to go to our project partners, who did a great job during design and construction and contributed to us achieving this rating," Environment and Sustainability Manager – Transport and Infrastructure, Ross Brookshaw, says.

*"We hope other projects will learn from and build on this approach and lessons learned to continue to set the bar higher for future projects."*

This project demonstrates Downer's contribution to achieve the following Sustainable Development Goals: #9 Industry, innovation and infrastructure, #11 Sustainable cities and communities, #13 Climate action

<p>9 INDUSTRY INNOVATION AND INFRASTRUCTURE</p> 	<p>11 SUSTAINABLE CITIES AND COMMUNITIES</p> 	<p>13 CLIMATE ACTION</p> 
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## DRIVING THE CIRCULAR ECONOMY



# Downer acquires 50 per cent shareholding in Repurpose It

In March 2019, Downer executed an agreement to purchase a 50 per cent shareholding in Victoria-based waste-to-resource business Repurpose It.

Repurpose It, which was recognised as one of Westpac's top 20 Businesses of Tomorrow for 2018, believes that all waste can be converted to valuable resources. The company's services range from multiple transfer stations to waste management consulting, construction materials and soil amendments, organics and green waste processing, waste transport and collection, resource recovery and bin supply and collection.

In March, Repurpose It launched Australia's first state-of-the-art construction and demolition washing plant facility in partnership with the Victorian State Government.

The \$8.5 million, 150-acre resource recovery site features the country's most sophisticated technology designed to treat residual waste, and process it into materials suitable for the booming civil construction industry.

"The new recycling facility demonstrates that with strong partnerships we can deliver change," Downer's Executive General Manager Road Services, Dante Cremasco, says.

"It's incumbent on all of us to work together to drive the circular economy, creating new avenues to recycle and repurpose waste materials into new streams of use. It is all about pulling products that we can use, not pushing waste."

Repurpose It Founder and CEO, George Hatzimanolis, says that following the sharp growth in demand for extractive resources in Victoria's infrastructure sector and the growing number of materials buried under landfill, change in the industry is vital.

You can learn more about Repurpose It at [www.repurposeit.com.au](http://www.repurposeit.com.au).

## Plastic makes fantastic roads

Little do they realise it, but people heading to New Plymouth's iconic Pukekura Park are now travelling on a road containing the equivalent of 83,000 yogurt tubs.

In 2018, China officially closed its borders to other countries' waste plastic. This has created a serious problem for New Zealand as plastic is being stockpiled with few ways of repurposing it.

But Downer and New Plymouth District Council have worked together to address the growing waste plastic problem. The local authority had an existing partnership with resource recovery company EnviroNZ and together they engaged Downer's Road Science team to come up with a ground-breaking solution – Plas Mix.

Plas Mix is essentially raw shredded plastic, which is mixed into asphalt. Downer's Road Science laboratories have completed extensive testing to determine the optimum plastic mix and size needed for a successful product. It is then laid and paved in the same way as traditional asphalt.

Plas Mix allowed us to successfully repurpose waste plastic without compromising the integrity of the pavement solutions. In fact, testing shows the performance of asphaltic road surfacing is actually enhanced by adding the plastic, especially in waterproofing and rutting.

Downer was recently awarded a 10-year New Plymouth District Council maintenance contract, which covers urban and rural roads in the district and also includes road maintenance.

Downer and New Plymouth Council share a commitment to sustainability and safety, so this contract presented the right opportunity for the first large scale trial of Plas Mix.

In May, we built New Zealand's first-ever public road containing plastic. The 100m strip of road on Liardet Street contains 500kg of plastic – the equivalent of about 83,000 yoghurt tubs. That's the same amount of plastic waste that 1,300 people would generate in one week.



This project demonstrates Downer's contribution to achieve the following Sustainable Development Goal:  
#12 Responsible consumption and production



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#12 Responsible consumption and production







# Teralba's terrific production plant

Downer has replaced a 40-year-old asphalt production plant in Teralba with a \$5 million facility that incorporates waste materials including soft plastics, glass, rubber, printer toners and old asphalt into road base.

We chose a fitting time to open the cutting-edge flexible pavement products manufacturing hub – World Environment Day, 5 June.

The facility sets a new benchmark in sustainability and innovation and will introduce more sustainable pavement solutions to New South Wales' Hunter and Central Coast regions.

The facility is one of the most advanced of its kind in Australia, capable of producing a wide range of products including asphalt containing recycled tyre rubber and Reconophalt – Downer's innovative asphalt product that contains high recycled content from materials such as soft plastics, glass, toner and reclaimed road.

Downer's Executive General Manager Road Services, Dante Cremasco, says the milestone opening demonstrates the importance of partnerships with councils and road authorities to maximise sustainable outcomes for the future growth of the region.

*"The innovation our new Teralba asphalt plant brings will see us not only lower our carbon footprint, but also incorporate new streams of recycled materials into the asphalt we lay, further improving sustainable outcomes for the region's local communities and their roads," Dante says.*

"Downer's investment in this flexible pavement products manufacturing hub allows us to reduce our reliance on increasingly scarce virgin materials by over 30 per cent and improve our energy consumption by up to 15 per cent, which are really pleasing outcomes for the region."

Lake Macquarie Mayor, Kay Fraser, says Council's unanimous decision last year to approve the upgrade of Downer's Teralba facility demonstrates the city's commitment to embracing enterprises that share its sustainability goals.

*"Reusing or recycling materials wherever possible is a growing imperative, and this new asphalt plant is a prime example of how it can be done," Cr Fraser says.*

The technologically advanced plant has best practice controls in place that will use less energy in operations and reduce air emissions compared to the previous plant, and will also comply with noise controls at all times.

**This project demonstrates Downer's contribution to achieve the following Sustainable Development Goals: #9 Industry, innovation and infrastructure, #11 Sustainable cities and communities, #12 Responsible consumption and production, #13 Climate action**





## INNOVATION



# Sunbury Recycled Water Plant opens

Downer has delivered the \$53 million upgrade of the Sunbury Recycled Water Plant, located 40km north-west of Melbourne.

The plant was officially opened by Member for Sunbury, Josh Bull, on 25 June and will provide approximately 800ML of Class B water per year to irrigate the local golf course, sporting fields and wineries, along with other agricultural uses in Sunbury and Diggers Rest.

Downer was awarded the design, build, operate and maintain contract for the project, which will deliver a number of environmental benefits including:

- Adoption of a new disinfection process, which means chlorine will no longer be discharged into Jacksons Creek
- Levels of nitrogen and phosphorous discharged to Jacksons Creek have been reduced, helping to mitigate against unwanted plant growth, including algal bloom in waterways
- Better odour control with the construction of new odour control facilities
- Reduction in energy consumption
- Improved stormwater treatment, with site runoff captured and treated separately
- Better management of wet weather flows to site.

"We are very pleased to deliver the upgraded Sunbury Recycled Water Plant and we look forward to continuing our partnership with Western Water in operating this world-class recycled water plant," says Downer's Executive Director, Utilities, Trevor Cohen (pictured above, left).

This project demonstrates Downer's contribution to achieve the following Sustainable Development Goal: #6 Clean water and sanitation



# Spotless' super savings

Our Spotless Defence team has achieved a significant result for its customer, the Department of Defence, collaborating with them to save more than 3 million kilolitres of water and \$544,000.

Spotless has been servicing Defence estates since 2014 as part of its Estate Maintenance and Operating Services contract (EMOS), covering the Queensland and Southern New South Wales regions.

Recently, in the Australian Capital Territory (ACT), Spotless drove an initiative to monitor water usage across the estates and identify anomalies. Spotless was able to identify, investigate and rectify 17 anomaly events in the ACT which significantly reduced Defence's water usage.

In Queensland and Southern New South Wales, Spotless assisted in the identification of 52 additional metering points where it funded, and will install, smart meters to improve its ability to detect anomalies across the estates.

"It has been great to see what our Project Leads, Steve Kopievsky and Bill Jones, have achieved for the Department of Defence with this initiative," Spotless' Environment and Sustainability Lead – Defence, Tom Breen, says.

*"Reducing water consumption is an important goal for both the Department of Defence and Spotless, so it is pleasing to see our team reduce a significant amount of water usage across Queensland and New South Wales."*

The EMOS contract will continue until 2022.

This project demonstrates Downer's contribution to achieve the following Sustainable Development Goals: #6 Clean water and sanitation, #12 Responsible consumption and production







# Risk management on your wrist



Fatigue is among the biggest health and safety risks we face across the business. Studies have shown that working under fatigue carries a similar risk to working under the effect of alcohol.

So the MEI team has been looking at new ways of monitoring and managing fatigue.

Since October 2018, they have been trialling wearable technology that can identify fatigue levels. It's a lightweight band you wear on your wrist, which combines with data analytics capability to measure sleep events, movement, heart rhythm and breathing patterns.

**“In any industry where there are significant areas of risk, fatigue increases the danger 10-fold,”**  
MEI’s Head of Digital Technology, Anthony Roe, says.

“The Zero Harm teams identified that we had a few near misses and wondered whether we could do something to raise awareness – the wearables was an obvious way to do that.

“The initial challenge was that we could not use Fitbits or another off-the-shelf product because they are proprietary which means everyone has to be identified and have a user account, therefore the data is outside our enterprise. So we found a solution where we could get an API (Application Programming Interface) that we could alter – that meant we could own the data and keep people anonymous.

“Then, from a technical perspective, we took a lot of advice from sleep scientists and people who could help us tweak the algorithm to find information that is useful.

“The devices only cost five dollars, so it was the same as issuing someone a piece of safety equipment – it’s almost disposable.”

The team has so far conducted two wearables trials to monitor fatigue, with both proving successful.

They have now expanded the scope beyond fatigue management in a third trial.

“The devices also provide the ability to monitor things like hydration and exertion – so if someone is in a hot environment and working on a physical task we can predict the degradation of their ability to do the job safely. This would enable the teams to provide additional rest breaks to support safe working,” Anthony continues. “Another capability is to track GPS coordinates to know exactly where the person is, relative to any hazards. If the person is approaching a hazard it is possible to program the device to alert them by vibration or a message from the device.

“Those devices are more expensive, but they can also spot a broader set of wellbeing markers linked to conditions such as sleep apnoea and atrial fibrillation. So from an overall wellbeing perspective, you can pick up some things that help people understand if there is some help needed.

“The initial trials have been anonymous with the goal of raising awareness, however, there are clear benefits for those who opt in to receive information directly relating to their wellbeing. We have created an approach that can provide this capability to our teams both securely and simplistically.

**“It extends past being fit for work. The trials have been really well received. Generally, people want to be safe, so if there is a device that keeps them out of harm’s way, they are willing to try it.”**

**This project demonstrates Downer’s contribution to achieve the following Sustainable Development Goal: #3 Good health and wellbeing**





# Say goodbye to smelly – *and dangerous* – **Hydrogen Sulphide!**



Our Road Science team has collected the prestigious Safeguard award for ‘best initiative to address a work-related health risk’ at the New Zealand Workplace Health & Safety Awards.

The team received the award for their innovative approach to eliminating the risk of Hydrogen Sulphide (H<sub>2</sub>S) being emitted when manufacturing and storing bituminous products.

“This is fantastic recognition for the dedication and hard work of Nik Vishwanath, Darcy Rogers, Ross Godkin, Mike Tyne and the wider Road Science business,” Downer’s General Manager Transport Technology, Murray Robertson, says.

*“We challenged the team to not just mitigate the risk, but instead remove it completely. It’s really pleasing to see the teams work collaboratively to achieve a superb outcome.”*

Hydrogen Sulphide is a smelly, naturally occurring gas contained in many of the world’s crude oils. At high temperatures it is also formed in the refining process by the degradation of sulphur-containing compounds in crude oil. One of the products made during the refining process is bitumen. Bitumen also contains H<sub>2</sub>S gas in varying concentrations depending on the stage of the bitumen’s life cycle.

When it was discovered that there was a potential risk with H<sub>2</sub>S being emitted when making their products, the Road Science team swiftly went on a journey to eliminate it.

They collaborated with chemical suppliers and internal departments, and agreed that a H<sub>2</sub>S scavenger addition system was a potential solution. The scavenger reacts with H<sub>2</sub>S and converts it into a non-hazardous zinc salt.

Testing proved that the new system eliminates the H<sub>2</sub>S exposure risk from key hazardous zones and has improved the overall quality of the operator’s workspace.

Once the trials satisfactorily proved that the scavenger would eliminate H<sub>2</sub>S from the Polymer Modified Bitumen (PMB), a permanent scavenger addition system was designed, built and commissioned by the engineering team in Lyttelton. There is now one currently being built in Mount Maunganui as well.

Standard practice has also changed and now states that scavenger needs to be added to every batch of PMB that is sold.

This project demonstrates Downer’s contribution to achieve the following Sustainable Development Goal: #3 Good health and wellbeing







# Keeping the marine pristine!

While the scale of construction of the Calliope Wharf Development in Devonport is relatively small, the responsibility to protect the marine environment of the Hauraki Gulf is massive.

Calliope Wharf is the New Zealand Navy’s largest scale construction job within an aquatic environment. Downer’s work on the development includes an extension to the existing wharf at Devonport Naval Base, as well as a dolphin and upgrade to the fendering system. And, when we say ‘dolphin’, we don’t mean the animal – it is the name given to a wharf extension that is not connected to the existing structure. A gangway will be constructed to bridge the two structures.

With the development of the Auckland Waterfront and the environmental health of the Hauraki Gulf very much in the public eye, our Infrastructure Projects team are well aware of our Zero Harm and sustainability responsibilities.

There has been increased focus recently on the potential for construction to cause harm to marine mammals in their living environment. Vibration and intense underwater noises can cause acoustic trauma for fish, whales and other native marine animals like orcas and bottlenose dolphins. Construction or shipping noise may not kill the animals directly, but it can disrupt their ability to find food, mates and avoid predators.

To help mitigate these risks, we brought trained and qualified Marine Mammal Observers to the Calliope Wharf project to provide advice and guidance.

“As we learned more about the potential impacts on marine mammals, we also became concerned that Navy divers around the Navy base may also be exposed to excessive noise from piling,” Project Manager, Infrastructure Projects, Kat Jackson, says.

“It was agreed that until detailed medical and scientific studies are completed by the Navy, we will consider diving and piling to be incompatible activities within the same radius as the marine mammal zone of influence.

We’re pleased to report that, to date, all native marine life (and Navy divers!) have been unaffected by the construction of the Calliope Wharf.



## Safer paint disposal in NZ

Ever wondered what happens to waste materials we need to dispose of from our work sites?

One of the tasks of our New Zealand team’s Sustainability Governance Group (SGG) is to look at how we dispose of waste – and how we can continuously improve those processes. It’s all part of the SGG’s mission to ensure Downer reduces our emissions to meet our commitments under the Climate Leaders Coalition and reduce our impact on the environment.

R&D Projects Manager at Road Science, David Alexander, is part of the SGG’s working groups and is helping to set an emissions reduction target for Downer NZ. David was recently able to help Mike Crooks, who manages road linemarking projects for Downer, to find a better way to dispose of waste paint.

“We do our best to minimise wastage, but it happens when we need to change from white to yellow on our spray guns,” Mike says. “We can’t have off-white paint or faded yellow, so there’s always some excess paint that has to be disposed of. This waste gets combined with other waste products such as methylated spirits, other paint products, glass beads (used in the paint for reflectivity at night) and toluene, which is used for cleaning the hose lines and keeping the spray nozzles clean.

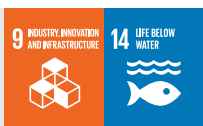
“I asked David about the possibility of putting waste paint into the bitumen process. The toluene was too flammable to do that, but David came up with another solution.

“We were paying to dispose of 200-litre barrels of waste paint – around 750 litres each month. There was also the cost of buying the barrels, and lost time for my crews who were decanting the paint at our holding yard. We were also cleaning up paint spills that happened while decanting.

“David suggested a process that has almost halved our paint disposal costs. The waste is now collected in old 20-litre paint tins that would have gone into our scrap metal waste. My crew no longer needs to drive to our paint yard to decant the paint into barrels, so we’ve eliminated the paint spill issue.

“We used to send the waste paint to a specialist dangerous goods landfill. Now we drive the same amount around the corner to ChemWaste in Onehunga where it is stabilised and made non-hazardous, so it can be landfilled locally.”

This project demonstrates Downer’s contribution to achieve the following Sustainable Development Goals: #9 Industry, innovation and infrastructure, #14 Life below water



This project demonstrates Downer’s contribution to achieve the following Sustainable Development Goal: #12 Responsible consumption and production





# World Environment Day

5 June

Beat air pollution



It was a bit like Sustainability Bingo! To celebrate World Environment Day on 5 June, Downer and Spotless launched the Six Days of Sustainable Living challenge.

From 5-12 June, employees were invited to complete as many sustainable living activities as they could from the Downer Sustainability Scorecard for a chance to win big cash prizes.

Go for a walk outside	Bike/public transport/ carpool to work	Go single-use plastic free	Donate to a charity
Go vegetarian for a day	No ceiling lights for one night	Use/purchase an ethical or green labelled product	Donate/give away an unwanted item
Take a photo of something interesting in nature	Read an article, watch a video or listen to a podcast about sustainability	Teach a family member, colleague or friend about a sustainability issue	Separate your trash at home

Employees were encouraged to take part with family, friends and colleagues, and provide proof of participation via a photo of the activity, or evidence like a screenshot of a cycling tracking app or receipt of purchase.

Winners were determined by how many activities were completed.

Prizes of first (\$500), second (\$300) and third (\$100) were awarded to each Division.

And the winners were:

**Corporate**

- First:**  
Evie Fortescue
- Second:**  
Sarah McMillian
- Third:**  
Lucia Tsui

**MEI**

- First:**  
Ryan Menzies
- Second:**  
Wendy Nutt
- Third:**  
Angus Thompson

**New Zealand**

- First:**  
Vee Purohit
- Second:**  
Rolf Siggard
- Third:**  
The PLANeTeers

**Spotless**

- First:**  
Kara Vague
- Second:**  
Rachel Thava
- Third:**  
Roschelle Charters

**T&I**

- First:**  
Lorna Haig
- Second:**  
Olivia Fusca
- Third:**  
Remya Paul

**Kids' challenge**

Children of employees also got involved in World Environment Day by taking part in a colouring-in challenge.

There were three different age categories, and prizes for first (\$100) second (\$50) and third (\$20).

11 SUSTAINABLE CITIES AND COMMUNITIES

13 CLIMATE ACTION

**This initiative demonstrates Downer's contribution to achieving Sustainable Development Goals: #11 Sustainable Cities and Communities and #13 Climate Action.**

## About World Environment Day

World Environment Day is the United Nations' day for encouraging worldwide awareness and action to protect our environment.

Each World Environment Day is organised around a theme that brings to attention a pressing environmental concern. The 2019 theme was Air Pollution, which aims to raise awareness about the air pollution around us and how we can **#BeatAirPollution**. The theme challenges us to come together to explore renewable energy, green technologies and improve air quality in cities and regions across the world.

"The theme supports Downer's sixth Environmental Principle, 'Manage noise, vibration, dust, odour and fume to minimise impact on the community', as well as the United Nations' Sustainable Development Goals: 11 'Sustainable Cities and Communities' and 13 'Climate Action,'" Downer's Head of Zero Harm, Julie Wills, says.

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