

Enviro **news**

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PAGE
6

Downer achieves Australian-first with Waratah Series 2 trains



4

Waanyi Downer JV kicks goals in Gulf Country



8

Auckland City Rail Link's sustainability success



10

Spotless' cool way to reduce energy usage



WIND FARM



Murra Warra Wind Farm takes shape

The Murra Warra Wind Farm in western Victoria will – *quite literally* – reach new heights for wind farms in Australia.

Once completed it will be the tallest wind farm in the country, towering to a hub height of 139m and tip height of 210m. To put that into context, the highest point of the Sydney Harbour Bridge arch is 134m from water level.

Downer and our consortium partner, Servion GmbH, are designing and constructing Stage One of the wind farm, which consists of 61 wind turbines.

Servion is responsible for the assembly and erection of the turbines and Downer is responsible for everything else, including the massive wind turbine foundations, the kilometres of cables between the turbines, and the switchyard that allows the electricity to be transmitted to the grid.

Overall, more than of 150km of cables will be placed in 47km of trenches, and more than 35km of roads will be built (including 10km of public roads) to connect the turbines.

Offices and warehouses for the operations and maintenance will be architecturally designed and built alongside the switchyard which houses the switchgear and control room for the transmission of the power to the grid.

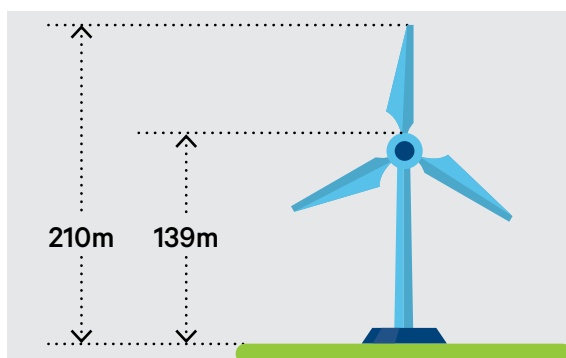
The foundations for each wind turbine are huge projects in their own right. Each foundation has 70 tonnes of steel and about 600 cubic metres of concrete, weighing around 2,000 tonnes each – roughly the same weight as four A380 airbuses.

In November we reached a major milestone, passing the halfway mark of the wind turbine foundation pour.

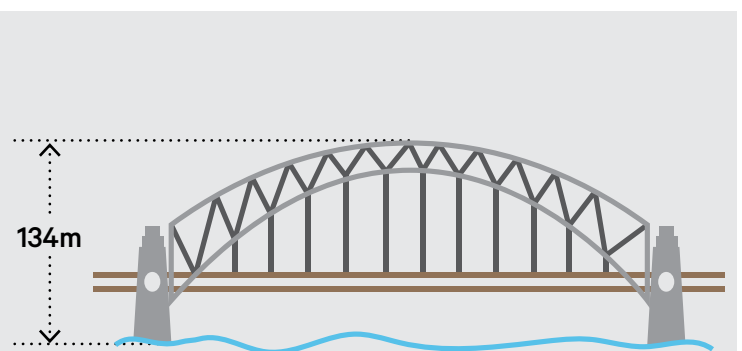
Once operational, Stage One will reduce CO₂ emissions by approximately 900,000 tonnes per year, the same as removing 320,000 cars from the road each year.

The Murra Warra Wind Farm is a world class project which, once constructed, will be one of the highest performing wind farms in the southern hemisphere. For more information on the wind farm, go to www.murrawarrawindfarm.com

<p>7 AFFORDABLE AND CLEAN ENERGY</p> 	<p>13 CLIMATE ACTION</p> 	<p>This project demonstrates Downer's contribution to achieve the following Sustainable Development Goals: #7 Affordable Clean Energy and #13 Climate Action.</p>
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Murra Warra Wind Farm turbine



Sydney Harbour Bridge



Pictured (L – R) at the official opening of BESS in October are Energy Australia Head of Commercial, Sam Magee, Australian Renewable Energy Agency (ARENA) CEO, Darren Miller, Downer Transport & Infrastructure CEO, Sergio Cinerari, Victoria Minister for Energy, Environment and Climate Change, Lily D'Ambrosio, AusNet Services Managing Director Nino Ficca, Fluence Managing Director Asia Pacific, Mark Leslie, and ARENA Client Manager, Project Delivery, Con Himonas.

BESS is best for Victoria

Downer and Spotless have combined to help deliver Victoria's first utility-scale Battery Energy Storage System (BESS) in Ballarat.

Downer completed construction at the AusNet Services Ballarat Terminal Station in Warrenheip in October. The 30 megawatt (MW) 30 megawatt-hour (MWh) BESS will begin relieving pressure on the regional grid during the peak demand summer period.

The BESS will provide Victorians with more flexible, reliable and efficient energy, and support the supply of variable forms of renewable energy such as solar and wind power. The system is capable of powering more than 20,000 homes for an hour of critical peak demand before being recharged and is able to respond to changing grid needs within milliseconds. It will operate 24/7 to support critical peak demand, improving grid stability of the state's energy supply.

“With the growth of renewable energy solutions entering the market, battery storage will play an increasingly pivotal role in providing reliable power in Australia,” Transport & Infrastructure CEO, Sergio Cinerari, says.



Delegates take a tour of the new BESS at the official opening in October.

“The team delivered a great outcome for our customers and the community that the battery will serve.

“It’s exciting for us to see this project construction being completed. This project is a critical demonstration of integrating existing and new renewable energy technologies, which will significantly contribute towards our transition to more flexible, affordable and sustainable energy solutions.”

Downer maintains AA rating ★★

At Downer, we are committed to sustainability and recognise that strong performance in financial, governance, environmental and social aspects of our business are all vital to our long-term success.

So, we’re happy to report our Environmental, Social and Governance (ESG) scorecard for FY18, as determined by MSCI, has improved on our previous year’s score. We’re particularly pleased to see our Environment and Corruption/Instability quartiles improved year-on-year. Importantly, we also maintained our overall AA rating and a perfect score of 10/10 for health and safety.

MSCI researches and rates companies on a scale from CCC to AAA. Companies with AAA or AA ratings are considered leaders. A, BBB and BB are average. Companies rated B and CCC are regarded laggards.

MSCI assess these ratings according to a company’s exposure to industry-specific ESG risks and their ability to manage those risks relative to peers. These ratings help investors worldwide identify ESG risks and opportunities in order to make informed investment decisions.

“It is widely acknowledged that organisations with strong ESG performances also perform well financially,” Downer’s Chief Financial Officer, Michael Ferguson, says.

“It is no longer considered good enough to have a strong economic performance. Investors are looking at the non-financials as well, making the ESG equally important.”

While we are proud of our ESG result, we will continue to strive for improvement in our sustainability performance across the Group.



This project demonstrates Downer’s contribution to achieve the following Sustainable Development Goal: #9 Industry, Innovation and Infrastructure.



TRAINING PROGRAMS

The future is bright for the Waanyi people

Waanyi Downer Joint Venture Executive Director, Alec Doomadgee, smiles and repeats an old Chinese proverb. He's been asked to describe the joint venture's impact on the Waanyi people, and the old proverb sums it up neatly. "You can give a man fish... or you can teach him how to fish," Alec says. "This joint venture is a great opportunity for the Waanyi people to learn how to fish – in a business sense."

The Waanyi Downer Joint Venture (WDJV) is a 50:50 joint venture between Waanyi PBC, which represents local Traditional Custodians, and Downer. From profits to Board representation, everything is split equally.

Since July 2016, WDJV has been carrying out care and maintenance activities at Century Mine, a large, open cut zinc, lead and silver mine owned by New Century Resources, 300km north-west of Mt Isa in Queensland's lower Gulf Country.

The mine is situated on Waanyi land and the WDJV acts as an organisation to represent the Waanyi people and engage them in work on the mine.

"Having a big contract on their own land has never been done before in this sense – the future is very bright," Alec continues. "For the first time in the history of the Century Mine, the local Aboriginal community have their native title body, the Waanyi PBC, involved with the contract and hiring people on country."

"I tell the people up here on the ground, 'For the first time, you mob will have a contract onsite where you are the masters of your own domain'. Sometimes it is too surreal for them, they can't believe it will happen... that it is happening."

For Downer, a key focus of the JV is to provide training programs to the people of the Gulf community to improve their employability, which in turn will improve the economic sustainability of the community.

The JV has been running training and development programs for local Aboriginal and Torres Strait Islander peoples. In November, New Century Resources renewed the contract for a further two years, with an option of a 12-month extension.

Under the contract, the WDJV is conducting a broad community training program to prepare participants for entry into the workforce and, in some cases, for specific operational roles at the Century Mine.

"This JV, and the mining contract and training contract, can set our people up to dream bigger and think bigger," says Alec (pictured above, fourth from right).

"They can become archaeologists, metallurgists, truck drivers... this JV gives realistic hope to kids in the region of the Gulf communities."

For Downer, it's extremely satisfying to see the tangible results the program is delivering.

"It is an absolute privilege to be working with the Waanyi people and to deliver meaningful work programs like this training contract," says Waanyi Downer Joint Venture Managing Director, Ross Browning (pictured above, right).

"We are grateful for the opportunity that New Century Resources have provided our team, who have really ramped up the new training programs and initiatives in the region and at Century Mine.

"I would like to acknowledge the WDJV team for their tremendous efforts; led by Marcus de Haas with Ed Groch from Downer, and in the Gulf community with Claudette Albert and Barry Waldon. Our partnership in the WDJV, which started operations nearly three years ago, goes from strength to strength, and we are thrilled to have been awarded the further two-year contract extension for the training."

These training programs will upskill Waanyi people and ensure the WDJV continues to deliver results for New Century Resources.

And, to borrow the same proverb Alec uses, it will also help ensure the Waanyi people always have fish.



TRAINING PROGRAMS



Waanyi Downer JV training programs



Kapani Warrior program

Works to restructure the thinking of Aboriginal people to see 'the warrior' as a provider and protector, rather than an aggressor. The 'warrior' protects themselves, their family and their community. The program has strong links to the Australian Defence Force and offers avenues into the ADF, if desired, through either the 51st Battalion or the reserves.

Mornington Island teacher's aide

Establishing programs at Mornington Island State School with the aim to increase literacy among students of all ages. This can lead to increased engagement at school, increased attendance in the short-term and increased employability prospects in the long-term.

Mornington Island horsemanship program

A program to train young people to ride and care for horses. The program will give participants goals, life skills and the opportunity to work on stations on the mainland.

Cowboys House mentor

A boarding facility in Townsville that ensures Aboriginal and Torres Strait Islander children from remote communities across North Queensland get access to a full secondary curriculum. Cowboys House will employ former North Queensland Cowboys NRL player, Antonio Winterstein, in a mentoring role for students boarding at the house.

Apprenticeships/traineeships

The WDJV is continuing to source potential candidates for a range of apprenticeship and traineeship roles within Century Mine and its contractors.



This project demonstrates Downer's contribution to achieve the following Sustainable Development Goal: #17 Partnerships for the Goals.



ROLLING STOCK



This project demonstrates Downer's contribution to achieve the following Sustainable Development Goals: #9 Industry, Innovation and Infrastructure, #11 Climate Action, #12 Responsible Consumption and Production.

9 INDUSTRY INNOVATION AND INFRASTRUCTURE 	11 SUSTAINABLE CITIES AND COMMUNITIES 	12 RESPONSIBLE CONSUMPTION AND PRODUCTION 
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Downer pioneers rolling stock lifecycle transparency in Australia

Do you know what you'll be doing – and how you'll be performing – in 2049? Impossible to tell, isn't it? Well, not for the Waratah Series 2 trains.

The first of the Sydney Growth Trains (SGT) rolled onto the tracks in September, but we can already predict the fleet's performance and environmental impact at the end of lifecycle in 30 years' time.

How? Downer has produced an Environmental Product Declaration (EPD) for the Waratah Series 2 train sets – the first EPD produced in Australia for vehicle and transport equipment.

An EPD is an independent framework for businesses to provide transparent, science-based data about the environmental performance and lifecycle of their products.

There are currently 41 EPDs in Australia – the other 40 are related to construction products and paper products. So, this presents a new frontier in lifecycle analysis and impacts of rolling stock.

"This EPD provides the full carbon impact and performance of the trains across their 30-year lifecycle," Downer's Environmental Sustainability Manager, Ellese O'Sullivan, says.

"It covers all the different components, parts and raw materials that went into the trains' manufacture in China. It also tracks the energy impacts of the trains' construction, as well as the energy impacts of transporting the trains from China to Australia, from the Newcastle port to our facility at Cardiff and then onto the network to Auburn, as well as charting the full carbon impact of operation through its lifecycle and final disassembly at the train sets' end of life."

The data in the EPD can also be used to predict future performance and environmental impact of the train sets throughout their lifecycle... and beyond.

"From a design consideration and maintenance perspective, we can use the EPD and live data to make informed decisions on components and sub system performance and where we may want to pursue lifecycle impact improvements," Ellese says.

"It also informs on what to do with the train sets at the end of lifecycle – what components, parts and materials are salvageable – providing a full circular economy to end-stage and decommissioning. It is anticipated with current reuse options that 95.4 per cent of these trains will be recoverable and as technology and reuse potential improves we anticipate that this will only increase."

Our customers are increasingly asking for EPDs. It took our Environment and Sustainability team six months to produce this EPD and this achievement not only demonstrates our commitment to environmental responsibility, but also to building enduring relationships with our customers.

"Our business philosophy of 'relationships creating success' sums up the process to develop and obtain the EPD well," Ellese says.

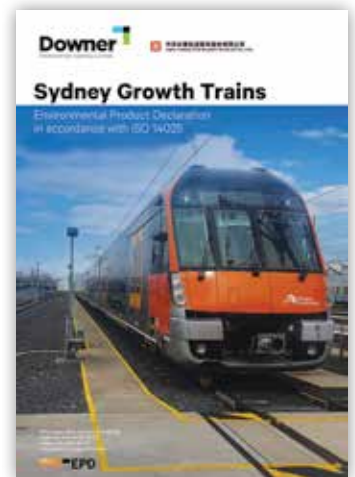
"It took countless hours of research and collaboration between a diverse team to produce this EPD. From engineers and planners in the Sydney Growth Trains Project team and Rolling Stock Services (RSS) business, to members of the RSS Through Life Support team at our Auburn Maintenance Centre, to staff from (manufacturers) CRRC who provided manufacturing data inputs, to our lifecycle analysis partners, Thinkstep. But this achievement was worth every second of effort.

"The EPD is so much more than a rating system and a carbon footprint; it has provided Downer a platform to be as transparent as possible about the environmental impact of heavy rail rolling stock over its lifecycle and consider opportunities in a different way moving forward.

"You can expect to see EPDs produced for new rolling stock in the future and across the transport industry – for light rail, buses and ferries."

This EPD is not only the first in Australia for rolling stock, but the first in the southern hemisphere and one of only 22 available globally. It won't be the last.

"Traditionally we have seen a lot of EPDs from the construction sector so it's great to see other areas coming on board and truly assessing their impacts in a credible and transparent way. We were very pleased to register the first EPD for rolling stock from Downer Group, this shows a strong commitment to environmental transparency from this company," Program Manager of the Australasian EPD Program, Kelly Taylor, says.





Climate Leaders Coalition

Downer has joined forces with a group of leading New Zealand businesses to form the Climate Leaders Coalition to tackle climate change.

The Climate Leaders Coalition aims to help New Zealand transition to a low emissions economy and create a positive future for New Zealanders, businesses and the economy.

Through the Climate Leaders Coalition, we've made a commitment to lowering emissions and creating a cleaner and greener New Zealand. The businesses forming the coalition make up nearly 50 per cent of New Zealand's total emissions. Just a slight change in how we all work would mean positive impacts for New Zealand and future generations for years to come.

To kick-start this change, we signed the CEOs' Climate Change Statement. The statement is a public commitment from each business to reduce emissions, work with their suppliers to reduce emissions and publicly report measurements of their efforts. In addition to committing to the statement, we will also be providing resources, expertise and funding towards projects which centre on solution-driven thinking.

Steve Killeen, CEO of Downer in New Zealand, is committed to building a stronger New Zealand.

"Sustainability is going to play a big part in the construction industry and future Downer projects," Steve says.

"Clients willing to innovate and take a thought leadership stance are key to achieving this. Traditionally, we've been an industry that has generated waste and emissions. Taking a closer look at our projects and our industry demonstrates to us we can do better. With a supportive client base and government stance, who knows where we can go!"

One example of this already in action, is the apron resurfacing project currently underway at Queenstown Airport which is using recycled material through our TonerPave and Beer Bottle Sand products.



Auckland Mayor, Phil Goff, conducts a site visit following the tunnel breakthrough – a key milestone in the CRL project.

Auckland City Rail Link sets the standard in sustainability

The Auckland City Rail Link (CRL) project has busted through construction and infrastructure industry norms to win New Zealand's highest sustainability accolade – the NZI Transforming New Zealand Award.



The underground rail project, led by Downer, has proven that the infrastructure industry can reduce greenhouse gas emissions and its environmental impact while developing Auckland's much-needed public transport infrastructure. This will result in ongoing reduction in both congestion and carbon.

Taking a long-term view and calculating a whole-of-life footprint of 100 years for the project, City Rail Link put sustainability at the core of every decision from the outset. Downer has worked closely with construction partners Soletanche Bachy JV and McConnell Dowell to change the way infrastructure projects are designed and delivered.

"New Zealand's construction industry contributes 40 per cent of the total waste going to landfill in Auckland and CRL has proven this doesn't have to be the case,"

Rachel Brown, CEO Sustainable Business Network, says.

"To have the largest civil infrastructure project ever built in New Zealand start with a goal of zero waste means CRL has the potential to show the wider sector the real value of integrating best practice throughout design and construction."

The Transforming New Zealand Award isn't the only accolade CRL has received recently. The project also took home the Large Energy User Initiative of the Year at the 2018 Deloitte Energy Excellence Awards in August.

The projects and initiatives on this page demonstrate Downer's contribution to achieve the following Sustainable Development Goals: #11 Sustainable Cities and Communities, #13 Climate Action.





Food for thought

It's fair to say many teenagers flipping burgers at your local fast food outlet aren't overly concerned about where the food they dish up came from, or where it goes if you don't eat it.

But Scott Talbot was different. Back in his first job working the graveyard shift at iconic 24-hour Fremantle burger joint Captain Munchies, Scott was always thinking about food sustainability.

"After high school I tried my hand at a Psychology degree for two years while working at Captain Munchies... but I don't think psychology was what I was meant to do," Scott says.

"My passion area has always been around the food cycle – even at Captain Munchies, I would think about where food came from, getting sustainable products and dealing with food waste."

That passion for food meant Scott parked the Psych degree and pursued a job as a chef, leading to a 15-year career in the hospitality industry.

"I also started studying Environmental Science while working as a Head Chef," Scott says. "I managed to do some voluntary and paid work with Murdoch University and the WA Department of Environment & Conservation during this time, then in 2005, I secured my first real environmental job working on a government-funded project to reduce residential building waste."

After collecting experience in a range of other sustainability roles over the next decade, Scott joined Spotless as Environment & Sustainability Manager in April 2016. His main responsibility is to oversee Spotless' environmental management system and ensure we maintain our ISO 14001 certification.

"Joining such a large and complex organisation was a bit daunting at first but the challenge was worth it," he says. "I have never worked among so much constant change, but I really enjoy it and find it very motivating. I believe there is enormous opportunity for Spotless to become a sustainability leader, given our size and scope of services we deliver."

"I'm very passionate about what I do – that's why I moved from being a chef into this space."

And it's more than just a day job for Scott, who lives in Perth with wife Nicole and 16-year-old son, Menno.

"I have raised garden beds and a compost bin at home, and I am interested in building aquaponic systems as well – building sustainable food production at home," he says.

"It's where my passion lies, and it's good to take that from home into the work environment. I don't think many people get to do that."



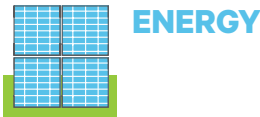
Scott with wife Nicole and son Menno.



Scott (left), with Residential Contract Manager, BHPBIO Peter Howard; and General Manager Zero Harm – Hospitality & FM Steven Cuce at Warrawundu Village, BHPBIO, Newman, WA.



Scott (left) leads the pre-work stretches at Warrawundu Village, BHPBIO, Newman, WA.



Spotless finds a cool way for ICC Sydney to reduce energy usage

It's estimated that 40-52 per cent of total energy consumption in commercial buildings comes from heating, ventilation and air conditioning (HVAC) systems.

When you consider the International Convention Centre Sydney (ICC Sydney) covers 250,000m² across three city blocks, the HVAC requirements can be complex.

For Spotless, as facility manager for ICC Sydney, keeping the air conditioning of an area this size constant yet energy efficient poses a challenge... and an opportunity.

"In most traditional buildings, air conditioning is set to core operating hours, regardless of how and whether they are being used. However, we recognised an opportunity to drive greater energy efficiency in relation to air temperature control," says Mei McNamara, Energy & ESD Manager at ICC Sydney.

"Through the graphical interface BMS we can schedule air conditioning in specific areas as required, as well as adjust the temperature for each individual space."

This has allowed Spotless' Facilities Management team to adjust specific HVAC settings to meet the benchmark energy consumption targets, while meeting the very stringent thermal comfort conditions of the facility. Significant energy-usage reductions have already been achieved by aligning energy usage with each individual space, with a reported electricity saving of 30 per cent on top of the benchmarked target.

This initiative demonstrates Downer's contribution to achieve the following Sustainable Development Goal: #13 Climate Action.

13 CLIMATE ACTION



We're building Australia's largest solar farm

Downer has been awarded the contract to build what is set to be Australia's largest solar farm.

BELECTRIC Solar & Battery GmbH has awarded us the construction contract for innogy SE's 349MW Limondale Solar Farm, located in southern New South Wales.

"We are pleased to be working with BELECTRIC on the Limondale Solar Farm, which will deliver significant economic benefits for the local community in addition to the environmental benefits of a large scale renewable energy project," Executive Director of Downer's Utilities business, Trevor Cohen, says.

"When the Limondale Solar Farm is built, Downer will have constructed close to 3GW of renewable energy projects – making us a leader in the delivery of renewable energy projects in Australia."

The Managing Director of BELECTRIC, Martin Zembsch says: "We're delighted to have Downer deliver the Limondale Solar Farm. This is an important project for BELECTRIC, because it marks our clear intention to grow our business in Australia. By partnering with Downer, who bring tremendous experience in renewable energy projects, we know we're in good hands."

Construction is expected to be completed in 2020 and will contribute to Australia meeting its commitments under the Paris Agreement.



Fast facts:

- The Limondale Solar Farm will generate enough electricity to power up to 105,000 homes each year
- The project will create employment opportunities for 300-400 contractors during construction, and up to seven full-time positions during operation
- Limondale Solar Farm will assist NSW to meet the renewable energy targets established under the NSW Government's Renewable Energy Action Plan, and also contribute to the Commonwealth Government's target of 33,000 gigawatt hours (GWh) of renewable energy generated by 2020



The delivery of this project demonstrates Downer's contribution to achieving Sustainable Development Goals: #7 Affordable Clean Energy and #13 Climate Action.



Reinforcing our roads reputation

Downer recorded an Australian first in October when we were awarded the highly-valued ISO 55001 certification for our road network asset management system on the North-East Sydney Performance Specified Maintenance Contract (PSMC).



“We are very pleased to extend our credibility and leadership in road network management, achieving Australia’s first ISO 55001 Asset Management certification for a road network asset management system applied to a government-owned asset,” Executive General Manager of Road Services, Dante Cremasco, says.

“This independent certification demonstrates that we have a well-structured and robust approach to asset management and can assure our customers that we are committed to driving continual improvement and getting the best out of their networks.

“We are a leader in road network management, maintaining more than 30,000km of network on behalf of State and Territory road authorities and Councils in Australia.”

The ISO 55001 certification internationally and independently

validates Downer’s application of asset management practice, quality management, technical skill and continuous improvements to maximise the value of the road networks we manage. The certification was awarded by BSI Group, a conformity assessment body that has been accredited to conduct conformance assessments for ISO 55001.

Downer’s whole-of-lifecycle approach to asset management also aligns with the UN Sustainable Development Goals through the delivery of fit for purpose, sustainable and reliable assets.

This certification demonstrates Downer’s contribution to achieve the following Sustainable Development Goals:



Collaborating for a cleaner future

On the surface, you’d think there aren’t a lot of similarities between one of Queensland’s biggest electricity-producing power plants and a light rail project in the heart of Newcastle.

But a big advantage of being a large, diverse organisation like Downer is the opportunity to share sustainability ideas across different sectors – and then share those initiatives with our customers and partners.

That’s what happened in November, when our MEI Division’s Environment and Sustainability team organised a visit to the Newcastle Light Rail (NLR) project for Stanwell’s General Manager – Environment and Assurance, Kevin Swanepoel.

Downer’s MEI business has a long-standing relationship with Stanwell, providing a range of contract mining services to their Meandu Mine in Queensland. Meandu supplies coal to Tarong power stations, which are also owned by Stanwell and are one of Queensland’s largest electricity generators.

Stanwell was interested in finding out more about Infrastructure Sustainability (IS) ratings and Downer’s Environment and Sustainability Advisor on the NLR project, Rob McCann, was able to provide a detailed oversight of the challenges and benefits of delivering an IS rating. We also invited senior representatives from the Infrastructure Sustainability Council of Australia (ISCA) and Transport for NSW to offer more information.

The IS rating is Australia and NZ’s only comprehensive rating tool for evaluating sustainability across the planning, design, construction and operational phases of infrastructure programs, projects, networks and assets.

“It is amazing how much you can learn in one day,” Kevin said. “Thank you, Downer, for sharing the approach used and challenges encountered in working to achieve an IS rating for the Newcastle Light Rail project.”

For Downer, it was a great opportunity to leverage our scope and range of services to facilitate meaningful conversations about the importance of sustainability across all sectors.



This initiative demonstrates Downer’s contribution to achieve the following Sustainable Development Goals: #11 Sustainable Cities and Communities, #17 Partnerships for the Goals.



It's time *for* trash talk



About National Recycling Week

In November 1996, Planet Ark founded National Recycling Week to bring a national focus to the environmental benefits of recycling. The week aims to raise awareness to improve recycling habits and reduce our environmental footprint.

Downer's 2018 Recycling Week challenge

To help celebrate National Recycling Week from November 12-18, we asked our staff to get creative. It turns out we've got some Downer da Vincis among us!

This year's theme was 'From Waste War to Recycling Reboot' which aimed to resolve confusion surrounding how to recycle correctly. With that in mind, our Recycling Week challenge was to create a piece of artwork or sculpture using recyclable or reusable materials.

We were blown away by the entries!

There were two competitions. The first was the Site Challenge, where teams worked together as a site/office to produce the most impressive artwork or sculpture using recyclable or reusable materials sourced from site. We also ran the same competition for kids, asking children of staff to source recyclable or reusable materials from around the home and create a piece of artwork or sculpture.



Our Rosehill team's Goddess of Recycling was judged the overall winner of the Site Challenge. The Goddess of Recycling includes milk bottles, an iPhone, Nespresso coffee pods, batteries, recycled asphalt briquettes, banana peels, used aluminium foil, reusable shopping bags, a tin bucket, economy glass and toner, meat tray, metal and plastic straws, a disposable cup, bottle caps, milo tin, drill pants, glue and much more!



Albie and Jana Roberson's Downer-branded wind and solar farm sculpture, which finished third in the 5-9 years category.



And the winners are...

Site Challenge

First: Rosehill
Second: Commodore Boiler Maker Team
Third: Spotless Sydney Convention Centre
Honourable mention: Commodore Mine

Children's Challenge

0-4 years

First: Alexandra Preece
Second: Xavier Zullo
Third: Alexis Parker

5-9 years

First: David Arianto
Second: Johnny Goodwin
Third: Albie and Jana Roberson
Honourable mention: Jake Kraus

10-14 years

First: Grace Walters-Simpson
Second: James Penfold
Third: Layla Okamura-Joy
Honourable mention: Alec Newton

This initiative demonstrates Downer's contribution to achieve the following Sustainable Development Goal: #12 Responsible Consumption and Production



Have you got a story idea?
 Know how we can make Enviro News better?

Send your suggestions to: Communication@downergroup.com