

FY18 UN Sustainable Development Goals progress report



SUSTAINABLE DEVELOPMENT GOALS

There are nine UN Sustainable Development Goals (SDGs) that are particularly relevant to Transurban – SDG 3, 5, 7, 8, 9, 11, 12, 13 and 17.



The following tables identify the associated SDG targets and indicators that apply to our business, how we performed against these in FY18, and a summary of key initiatives implemented.

We believe more can be done to contribute to the SDG targets above and beyond the official indicator set. For this reason, we also list our own, Transurban-specific, indicators, targets and performance.

In FY19 we will continue to address data gaps and engage stakeholders in this process.





SDG 3
Good Health and Wellbeing

Relevance to Transurban, and SDG targets	SDG indicators relevant to Transurban FY18 performance	FY18 initiatives and commentary	Additional Transurban indicators and targets	FY18 performance data
<p><i>Safety and wellbeing of employees and suppliers</i></p> <p>3.4 By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment and <u>promote mental health and well-being</u></p>	No directly relevant SDG indicators for Transurban	<p>A Wellbeing program is in place and we encourage the same for major project partners</p> <p>There are significant measures and programs in place to address mental health including a network of Mental Health First Aid officers (MHFA). We also encourage our partners to take action in this area</p>	Mental Health First Aid Officers in Transurban (no target set)	95 MHFAs
<p><i>Road safety</i></p> <p>3.6 <u>By 2020, halve the number of global deaths and injuries from road traffic accidents</u></p>	<p>3.6.1 Death rate due to road traffic injuries</p> <p>3 fatalities on Transurban roads in FY18</p>	<p>We are working diligently towards eliminating fatalities and injuries associated with the use of our roads</p> <p>Major FY18 initiatives included:</p> <ul style="list-style-type: none"> • Road Safety Strategic Framework • road design and optimization to reduce safety risks • Road Safety Action Plans for each geographic market where we operate • NeuRA partnership • road safety awareness activities 	<p>Road Injury Crash Index (RICI): injury crashes per 100 million vehicle kilometres</p> <p>Establish and implement Road Safety Action Plans (RSAP) in each market where we operate (100%)</p> <p>Monash University Accident Research Centre (MUARC) - crash analysis for each Australian market</p>	<p>RICI – 4.82 (target 4.04)</p> <p>Road Safety Action Plans completed for all regions</p> <p>MUARC results:</p> <ul style="list-style-type: none"> • NSW – 80% lower • VIC – 81% lower • QLD – 53% lower





SDG 5
Gender Equality

Relevance and SDG targets	SDG indicators relevant to Transurban FY18 performance	FY18 initiatives and commentary	Additional Transurban indicators and targets	FY18 performance data
<p><i>Avoiding discrimination</i></p> <p>5.1 <u>End all forms of discrimination against all women and girls everywhere</u></p>	<p>5.1.1 Legal frameworks in place to promote, enforce and monitor equality and non-discrimination on the basis of sex</p> <p>Equity in the Workplace Policy in place</p>	<p>FY18 initiatives included:</p> <ul style="list-style-type: none"> recruitment approaches to encourage female applicants women in leadership (internal training) flexible work practices accessibility of parental leave supporting up-and-coming female engineers – especially via or FEET (Females Excelling in Engineering and Technology) program 	<p>Gender balance (targeting equality)</p>	<p>56% M / 44% M (Workforce)</p> <p>WGEA Employer of Choice for Gender Equality citation (2018)</p> <p>Equileap Top 200 citation (2018)</p>
<p><i>Equal participation and opportunities</i></p> <p>5.5 <u>Ensure women’s full and effective participation and equal opportunities for leadership at all levels of decision-making in political, economic and public life</u></p>	<p>5.5.2 Proportion of women in managerial positions</p> <p>55% M / 45% F (Senior Executives)</p> <p>70% M / 30% F (Board)</p>	<ul style="list-style-type: none"> Women in Engineering Scholarship (UNSW) Monash University Engineering Leadership Scholarship partnership with Western Sydney University – Women in Science and Engineering (WiSE) program 		

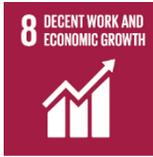




SDG7
Affordable and Clean Energy

Relevance and SDG targets	SDG indicators relevant to Transurban FY18 performance	FY18 initiatives and commentary	Additional Transurban indicators and targets	FY18 performance data
<i>Renewable energy</i> 7.2 By 2030, increase substantially the share of renewable energy in the global energy mix	7.2.1 Renewable energy share in total final energy consumption 0.1%	Renewable energy installations are in place across a number of assets and facilities (five installations to date with additional sites being explored)	Installed renewable energy capacity (no specific target)	140 kW
			Renewable energy generation (no specific target)	0.1%
		A percentage of renewable energy is procured for specific assets and we are currently exploring Power Purchasing Agreements which would include a proportion of renewable energy	Percentage of total renewable energy used (target to be set in FY19)	2.4%
<i>Energy efficiency</i> 7.3 By 2030, double the global rate of improvement in energy efficiency	7.3.1 Energy intensity measured in terms of primary energy and GDP 253 GJ per \$M revenue (568,370 GJ / \$2,249 M)	Multiple energy efficiency initiatives were underway with a focus on tunnel ventilation and lighting (e.g. Clem 7 ventilation trial). We are due to implement a number of initiatives in FY19 which will continue our progress towards meeting our 10 in 10 target	Reduce energy consumption by 10% by 2023 (from a 2013 baseline)	0.8% above target (2% reduction in electricity but 44% increase in fuel use since 2013)





SDG 8
Decent Work and Economic Growth

Relevance and SDG targets	SDG indicators relevant to Transurban FY18 performance	FY18 initiatives and commentary	Additional Transurban indicators and targets	FY18 performance data
<p><i>Economic growth</i></p> <p>8.1 <u>Sustain per capita economic growth</u> in accordance with national circumstances and, in particular, at least 7 per cent gross domestic product growth per annum in the least developed countries</p>	<p>No directly relevant SDG indicators for Transurban</p>	<p>Major projects are contributing to economic health and productivity of cities through travel time savings and job creation</p>	<p>Travel time savings (no target set)</p>	<p>328,000 hrs average workday travel time savings</p>
		<p>We are reducing quantity of materials used for new road assets, encouraging the use of lower impact materials, and challenging our major project contractors to drive efficiencies through requiring the use of sustainability rating tools for major projects</p> <p>In FY19 we plan to develop sustainable materials and waste management strategies (including targets for FY19 reporting)</p>	<p>Refer to SDG12 for waste</p>	
<p><i>Employment</i></p> <p>8.3 Promote development-oriented policies that <u>support productive activities, decent job creation, entrepreneurship, creativity and innovation</u>, and encourage the formalization and growth of micro, small and medium-sized enterprises, including through access to financial services</p>	<p>No directly relevant SDG indicators for Transurban</p>	<p>Seven development projects were underway as at the end of FY18 which created significant employment opportunities</p>	<p>Job creation estimates – major projects (number of contractors)</p>	<p>6,000 jobs</p>
<p><i>Resource efficiency</i></p> <p>8.4 <u>Improve progressively, through 2030, global resource efficiency in consumption and production</u> and endeavour to decouple economic growth from environmental degradation, in accordance with the 10-Year Framework of Programmes on Sustainable Consumption and Production, with developed countries taking the lead</p>	<p>8.4.1 Material footprint, material footprint per GDP</p> <p>Data collection processes being determined. To be reported against in FY19</p>	<p>FY18 initiatives to increase use of sustainable materials included:</p> <ul style="list-style-type: none"> • EME2 asphalt - use in Logan Enhancement Project and Gateway Upgrade North • supplementary cementitious materials (e.g. fly ash) – use in the NorthConnex project – 60% substitution of Portland cement • partnership with Beyond Zero Emissions and Boral that aims to reduce carbon emissions in concrete use • ‘sustainable materials in roads’ workshop held in Brisbane in partnership with the Infrastructure Sustainability Council of Australia 	<p>To be developed in FY19 as part of our Sustainable Materials Strategy</p>	<p>To be provided in FY19</p>



Relevance and SDG targets	SDG indicators relevant to Transurban FY18 performance	FY18 initiatives and commentary	Additional Transurban indicators and targets	FY18 performance data
<p><i>Decent work and pay equity</i></p> <p>8.5 By 2030, achieve full and productive employment and <u>decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value</u></p>	<p>8.5.1 Average hourly earnings of female and male employees by occupation and age</p> <p>No significant pay gap between female and male employees</p>	<p>Completed annual gender equity pay review</p>	<p>Gender pay gap (no significant pay gap)</p>	<p>No significant pay gap between female and male employees</p>
<p><i>Forced labour and modern slavery</i></p> <p>8.7 <u>Take immediate and effective measures to eradicate forced labour, end modern slavery and human trafficking and secure the prohibition and elimination of the worst forms of child labour, including recruitment and use of child soldiers, and by 2025 end child labour in all its forms</u></p>	<p>No directly relevant SDG indicators for Transurban</p>	<p>Updated our Supplier Sustainability Code of Practice, Procurement Policy and Sourcing Toolkit as part of our sustainable procurement program and to prepare for the introduction of modern slavery legislation in Australia</p>	<p>To be developed</p>	<p>To be provided in FY19</p>
<p><i>Labour rights</i></p> <p>8.8 <u>Protect labour rights and promote safe and secure working environments</u> for all workers, including migrant workers, in particular women migrants, and those in precarious employment</p>	<p>8.8.1 Frequency rates of fatal and non-fatal occupational injuries</p> <p>Injuries per million hours worked:</p> <ul style="list-style-type: none"> • Employees – 0 • Contractors – 5.03 <p>Zero employees fatalities Two contractor fatalities</p>	<p>Key FY18 initiatives:</p> <ul style="list-style-type: none"> • introduced Fitness for Work Framework • developed HSE minimum requirements for our activities • introduced new HSE Induction modules • enhanced our Enterprise Risk Management approach to drive further HSE innovation 	<p>Employee RIFR (FY18 target 0.0) Contractor RIFR (FY18 target 4.31)</p>	<p>0.0 5.03</p>
	<p>8.8.2 Level of national compliance of labour rights (freedom of association and collective bargaining) based on International Labour Organization (ILO) textual sources and national legislation, by sex and migrant status</p> <p>Compliant with labour rights and national employment standards</p>	<p>Successful renegotiation of Transurban Queensland enterprise agreement</p>	<p>No additional targets</p>	<p>Not applicable</p>



Relevance and SDG targets	SDG indicators relevant to Transurban FY18 performance	FY18 initiatives and commentary	Additional Transurban indicators and targets	FY18 performance data
<p><i>Youth employment</i></p> <p>8.b By 2020, <u>develop and operationalize a global strategy for youth employment</u> and implement the Global Jobs Pact of the International Labour Organization</p>	<p>8.b.1 Existence of a developed and operational national strategy for youth employment</p> <p>Graduate and student programs in place</p>	<p>Key FY18 initiatives:</p> <ul style="list-style-type: none"> • student work experience programs • graduate program • Females Excelling in Engineering and Technology (FEET) student mentoring program • hosted tunnel tours for groups of female secondary school students during Careers Week 	Graduate placements (no specific target)	8
			FEET participation (no specific target)	48





SDG 9
Industry, Innovation and Infrastructure

Relevance and SDG targets	SDG indicators relevant to Transurban FY18 performance	FY18 initiatives and commentary	Additional Transurban indicators and targets	FY18 performance data
<p><i>Develop sustainable infrastructure</i></p> <p>9.1 <u>Develop</u> quality, reliable, sustainable and resilient infrastructure, including regional and trans-border infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all</p>	<p>No directly relevant SDG indicators for Transurban</p>	<p>Continued our commitment to achieving sustainability ratings for major projects</p> <p>Implemented a toll demand notice aggregation initiative which is expected to save customers \$36.5 million per year in fees</p>	<p>Percentage of major projects underway during year that have committed to achieving sustainability ratings (100%)</p>	<p>100%</p> <p>Ratings awarded:</p> <p>CityLink Tulla Widening – ‘Excellent’ IS rating (As Built)</p> <p>Logan Enhancement Project – ‘Excellent’ IS Rating (Design)</p>
<p><i>Enhance infrastructure sustainability</i></p> <p>9.4 By 2030, <u>upgrade infrastructure</u> and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities</p>	<p>9.4.1 CO₂ emission per unit of value added</p> <p>Data collection processes being determined. To be reported against in FY19</p>	<p>Commenced our first Operations Infrastructure Sustainability rating for an asset (Cross City Tunnel in NSW)</p>	<p>To be determined in FY19</p>	<p>To be reported against in FY19</p>
<p><i>Enhance technology and innovation</i></p> <p>9.5 <u>Enhance scientific research, upgrade the technological capabilities of industrial sectors</u> in all countries, in particular developing countries, including, by 2030, <u>encouraging innovation</u> and substantially increasing the number of research and development workers per 1 million people and public and private research and development spending</p>	<p>9.5.1 Research and development expenditure as a proportion of GDP</p> <p>Data collection processes being determined. To be reported against in FY19 using revenue in lieu of GDP</p>	<p>Three Innovation Grant projects were underway or completed in FY18:</p> <ul style="list-style-type: none"> • graphene road sensors • LED in-road communications • wire-rope barrier inserts (completed) <p>Progressed our Connected and Automated Vehicles program which included four trials</p> <p>Established an Electric Vehicles (EV) working group to prepare for the increased presence of EVs across our networks</p>	<p>To be determined in FY19</p>	<p>To be reported against in FY19</p>





SDG 11
Sustainable Cities and Communities

Relevance and SDG targets	SDG indicators relevant to Transurban FY18 performance	FY18 initiatives and commentary	Additional Transurban indicators and targets	FY18 performance data
<p><i>Affordable, accessible and safe transport</i></p> <p>11.2 <u>By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons</u></p>	No directly relevant SDG indicators for Transurban	<p>Enhanced the way we detect and respond to financial vulnerability in the community through actively engaging community-based organisations that are active in this area. We also became a member of the Thriving Communities Partnership</p> <p>Provided support for implementation of the NSW government’s Toll Relief program.</p> <p>Implemented a toll demand notice aggregation initiative which is expected to save customers \$36.5 million per year in fees</p> <p>Refer to SDG3 above for road safety initiatives</p>	To be determined in FY19	To be reported against in FY19
<p><i>Inclusive urbanisation</i></p> <p>11.3 <u>By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries</u></p>	No directly relevant SDG indicators for Transurban	Enhanced planning and community engagement processes for major projects	To be determined in FY19	Not applicable
<p><i>Adverse environmental impact</i></p> <p>11.6 <u>By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management</u></p>	<p>11.6.2 Annual mean levels of fine particulate matter</p> <p>Particulate matter and other air pollutants related to Transurban tunnels are reported annually in the Sustainability Data Report</p>	<p>Undertook air quality monitoring and reporting for road tunnels</p> <p>Refer to SDG12 for waste reduction initiatives</p>	<p>Air quality indicators for tunnels including NO_x, CO, PM10, PM2.5, VOC</p> <p>Target – 100% regulatory requirements met</p>	100% compliance





SDG 12
Responsible Consumption and Production

Relevance and SDG targets	SDG indicators relevant to Transurban FY18 performance	FY18 initiatives and commentary	Additional Transurban indicators and targets	FY18 performance data
<p><i>Natural resource use</i></p> <p>12.2 <u>By 2030, achieve the sustainable management and efficient use of natural resources</u></p>	<p>12.2.1 Material footprint, material footprint per capita, and material footprint per GDP</p> <p>Data collection processes being determined. To be reported against in FY19 using revenue in lieu of GDP</p>	<p>Partnered with Beyond Zero Emissions and Boral in Australia to identify solutions to reduce embodied emissions in concrete (one of our most significant materials)</p>	<p>To be determined in FY19</p>	<p>To be reported against in FY19</p>
<p><i>Waste generation</i></p> <p>12.5 <u>By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse</u></p>	<p>12.5.1 National recycling rate, tons of material recycled</p> <p>16% diverted from landfill*</p>	<p>Beneficially reused the majority of excavated material (e.g. Hornsby Quarry in NSW)</p> <p>Commenced a trial in conjunction with Downer to collect and process street sweepings and beneficially reuse material</p> <p>Completed a waste audit for Cross City Tunnel operations</p> <p>Preparing a Waste Management Strategy in FY19</p>	<p>Waste diversion target to be set in FY19</p>	<p>16% diverted from landfill*</p>
<p><i>Sustainability reporting</i></p> <p>12.6 Encourage companies, especially large and transnational companies, to <u>adopt sustainable practices and to integrate sustainability information into their reporting cycle</u></p>	<p>12.6.1 Number of companies publishing sustainability reports</p> <p>FY18 Sustainability Report released 11 October 2018 on our website</p>	<p>Not applicable</p>	<p>Not applicable</p>	<p>Not applicable</p>
<p><i>Sustainable procurement</i></p> <p>12.7 <u>Promote public procurement practices that are sustainable, in accordance with national policies and priorities</u></p>	<p>12.7.1 Number of countries implementing sustainable public procurement policies and action plans</p> <p>Sustainable procurement program in place</p>	<p>Revised our Procurement Policy, Supplier Sustainability Code of Practice and Sourcing Toolkit to more closely align with ISO 20400: 2017, Guidance Standard on Sustainable Procurement</p>	<p>Social procurement spend (no specific target)</p>	<p>USA - US\$800M to date</p>

* Waste sources on assets may include a wide variety of activities throughout the year from Transurban, operations and maintenance contractors, and subcontractors. In some cases full data from all sources is not available. Transurban currently reports on companywide waste across operational assets. Significantly higher recycling percentages are achieved on construction projects.





SDG 13
Climate Action

Relevance and SDG targets	SDG indicators relevant to Transurban FY18 performance	FY18 initiatives and commentary	Additional Transurban indicators and targets	FY18 performance data
<p><i>Climate change resilience</i></p> <p>13.1 <u>Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters</u> in all countries</p>	<p>13.1.3 Proportion of local governments that adopt and implement local disaster risk reduction strategies in line with national disaster risk reduction strategies</p> <p>Business resilience plans in place for all regions where we operate (excluding Montreal)</p>	<p>A Climate Change Strategy has been in place since 2012. Climate risks are assessed and adaptation measures identified and being implemented for major projects</p> <p>The Climate change strategy is being updated to reflect recommendations from Task Force for Climate related Financial Disclosures (TCFD). The first part of this process has been completed – review of climate risks for all existing Australian assets where we had operational control for most of FY18. Our two existing assets in the USA and the A25 in Montreal will be reviewed in FY19. Financial disclosures will be provided in FY20 financial reporting</p>	<p>Percentage of existing assets that have had climate change risk assessments prepared/updated within past two years (100%)</p> <p>Percentage of major projects that have had climate change risk assessments completed during design and construction (100%)</p>	<p>Assets: 85% (11/13)</p> <p>Projects: 83% (5/6)</p>
<p><i>Climate change strategy</i></p> <p>13.2 <u>Integrate climate change measures into national policies, strategies and planning</u></p>	<p>13.2.1 Number of countries that have communicated the establishment or operationalization of an Integrated policy/strategy/plan which increases their ability to adapt to the adverse impacts of climate change, and foster climate resilience and low greenhouse gas emissions development in a manner that does not threaten food production</p> <p>Climate Change Strategy in place</p>	<p>We have commenced work to refresh our Climate Change Strategy</p>	<p>Climate Change Strategy refreshed (in FY19)</p>	<p>Climate Change risk reviews undertaken for all Australian assets</p>
<p><i>Climate change capacity</i></p> <p>13.3 <u>Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning</u></p>	<p>No directly relevant SDG indicators for Transurban</p>	<p>Commenced implementation of recommendations from Task Force for Climate related Financial Disclosures (TCFD)</p>	<p>Recommendations implemented (by end FY20)</p>	<p>Approach for implementation of recommendations developed</p>





SDG 17
Partnerships for the Goals

Relevance and SDG targets	SDG indicators relevant to Transurban FY18 performance	FY18 initiatives and commentary	Additional Transurban indicators and targets	FY18 performance data
<p><i>Multi-stakeholder partnerships</i> 17.16 Enhance the Global Partnership for Sustainable Development, complemented by <u>multi-stakeholder partnerships that mobilize and share knowledge, expertise, technology and financial resources</u>, to support the achievement of the Sustainable Development Goals in all countries, in particular developing countries</p>	<p>No directly relevant SDG indicators for Transurban</p>	<p>Key multi-stakeholder partnerships for FY18 are listed below.</p> <p>Infrastructure Sustainability Council of Australia:</p> <ul style="list-style-type: none"> • partnership on sustainable materials (QLD Event) • committed to achieving Design and As Built Infrastructure Sustainability (IS) ratings for major projects in Australia • piloting IS Operation rating for Cross City Tunnel <p>Beyond Zero Emissions/Boral:</p> <ul style="list-style-type: none"> • partnership on low carbon cement for motorways <p>UN Global Compact Australia:</p> <ul style="list-style-type: none"> • member of Community of Practice on Modern Slavery • participation in industry collaboration events <p>Road Safety:</p> <ul style="list-style-type: none"> • partnership with the Monash University Accident Research Centre to analyse injury crashes on our Australian network • partnership with VicRoads/Level Crossing Removal Authority and Rail Projects Victoria aimed at eliminating serious injuries for vulnerable road users through increased construction truck movements • NeuRA partnership for the Transurban Road Safety Centre – conducting research to eliminate serious injuries from vulnerable road users <p>Supporting Indigenous partnerships:</p> <ul style="list-style-type: none"> • local partnerships in NSW, QLD and VIC as part of our Reconciliation Action Plan <p>Connected and Automated Vehicles:</p> <ul style="list-style-type: none"> • partnerships with state transport agencies and vehicle manufacturers in Australian and the USA <p>Communities:</p> <ul style="list-style-type: none"> • Thriving Communities Partnership <p>Ecological:</p> <ul style="list-style-type: none"> • national partnership with Landcare Australia to enhance ecological value and engage local communities 	<p>Refer to SDG9 for Infrastructure Sustainability rating targets</p>	<p>Refer to SDG9 for Infrastructure Sustainability rating targets</p>

