Strategy Boundaries

Mission or commitment

Description

Boundaries

Timeline

FY31

Metric

Re-imagining Resources

Mission: To be net positive by 2030 **Net Positive** means generating more energy and water than consumed to create a positive environmental outcome.

Overview

This commitment is to have a positive impact for the energy and water consumed that Mirvac has operational control over. To create a positive impact we will need to look into both enhancing our efficiency as well as renewable energy generation and water capture throughout our portfolio.

Whilst Mirvac will report our usage on energy generated and water generated on assets with operational, to reach this goal we acknowledge that we will need to look at generation of renewable energy and capture of water on assets without operational control. We plan to include assets with financial control or influence as follows:

Renewable Energy:

- Financial control: Renewable energy generated on assets with financial, but not operation control, will be included.
 For example, solar PV on an industrial shed that we have financial control over, but no input into operation by the tenant.
- Influence: renewable energy installed on assets that
 we have no financial or operational control, such as
 apartments or homes we immediately sell on, will be
 included but shown separately to that of operational or
 financial control.

Impact Boundary (energy & water):

- Landlord operational usage for office, retail and industrial assets that have been operating for 2 years or more.
- · Only assets with operational control.
- Excludes sites planned for major development within five years of purchase. These assets will be included once the refurbishment has been completed and operating for 2 years.
- Like for like assets owned at June 2025.
- Assets purchased after June 2025 must be owned and operated for two years to qualify.

Definitions

Operational control: As per the NGER Act.

Financial control: Assets that Mirvac owns >50% but has no operational control.

Net Positive Energy

kWh generated - kWh consumed >0.

Net Positive Water

kL water harvested - kL water used >0.

Energy generation (influenced)

Predicted kWh renewable energy generated on Mirvac built assets with no operational control.

Water generation (influenced)

Predicted kL of water generated on Mirvac built assets with no operational control.

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Water Capture

- Financial control: Alternative water sources on assets with financial, but not operational control, will be included. For example, rainwater capture or a grey water system on an industrial shed that we have financial control over, but no input into operation by the tenant.
- Influence: Alternative water on assets that we have no financial or operational control, such as apartments or homes we immediately sell on, will be included but shown separately to that of operational or financial control. This may include rainwater tanks installed to homes or apartment buildings as well as large-scale alternative water sources in master planned communities such as an artificial lake/pond.

This approach is in line with our commitment to create benefits beyond our own boundaries.

Efficiency Investment

Savings for energy or water efficiency investment will not be included for assets in financial control or influence.

Timing

The timing requirements ensure that assets are included once they have been operating for 2 years or more so that they have gone through the tuning phase required to be operating to their full potential, and excludes those assets that require development within 5 years of purchase to bring them up to the net positive standard.

Influenced: Assets that Mirvac develops but sells on immediately. Renewable energy generation and alternative water capture for these assets will be shown separately when reporting net positive to demonstrate areas of investment outside our operational control.

Definitions

Generated energy: Includes all systems that generate energy including solar PV, wind, cogeneration.

Alternative water: Includes the amount of water captured through rain, grey or blackwater systems on assets which Mirvac has operational control.

Like-for-like: The portfolio at this point in time will be compared at the final timeline for compliance with the commitment.

Planned major development: Where significant refurbishment planned at the time of purchase and/or the building is to be demolished for future development opportunity.

Mission or commitment	Description	Boundaries	Timeline	Metric
Commitment: Reduce potable	Water intensity	 Landlord operational usage for office, retail and industrial assets that have been operating for 2 years or more. 		Water intensity
water intensity by 15%	Is the absolute potable water emissions normalised by area and time.	Only assets with operational control.Excludes sites planned for major development within five		kL/m ² *
	The area used for each sector is Net Lettable Area (office and industrial) and Gross Lettable Area (retail).	years of purchase. These assets will be included once the refurbishment has been completed and operating for 2 years.		*Mirvac are investigating normalisation based on operating hours and foot
	Overview	 Like-for-like assets owned at June 2014. 		traffic.
	The overall objective of this commitment is to reduce potable water	 Assets purchased after June 2014 must be owned and operated for two years to qualify. 	FY19	
	consumption. Therefore assets will be benefit from both reducing their water usage through efficiency measures as well as water	• Baseline set at FY13.		
	harvesting on-site.	Definitions Potable water: Water of a quality suitable for drinking, cooking and personal bathing.		
	The timing requirements for inclusion in the metric are as per that described above for Net Positive.			
		As above for operational control, like-for-like, and planned major development.		
Commitment: Increase water	Increase alternative water use through capture and recycling through rainwater harvesting, grey water, black water and	Boundary as per commitment above for water intensity.		Water capture
capture and	connecting to district recycled water systems.	Definitions		(operational control)
recycling by 15%				kL
	Whilst Mirvac will report based on this Net Positive commitment based on water capture on assets with operational, we will also separately report on the amount of positive impact we contribute to via investing in water generation on assets we influence, such as to	Water capture: Includes the amount of water captured through rain, grey or blackwater systems on assets which Mirvac has operational control, as well as water provided through district recycled water systems and captured in	FY19	Water capture (influenced)
	customers purchasing our homes and our retail/office tenants. This is in line with our commitment to create benefits beyond our own	community reservoirs.		kL
	boundaries.	As above for operational control, like-for-like, and planned major development.		

Mission or commitment	Description	Boundaries	Timeline	Metric
Commitment: Recycle 75% of waste	This commitment aims to increase the percentage of recycling from the total waste generated through:	• Whole building waste with operational control for office, retail and industrial assets that have been operating for 2	FY19	% Recycled Waste (mass)
	• Operation of assets;	• Only waste under our operational control		Construction %
	 Demolition and construction of projects managed by Mirvac. This excludes: 	 Construction and demolition waste from all site work commencing from July 2014 		Tonnes waste recycled/ Tonnes waste generated
	 Reuse of on-site waste in the development e.g. sandstone from excavation works reused in landscaping. 	 Like for like assets owned at June 2014 Offsite recycling to be included where certification of recycled quantities are obtained 		Operation % Tonnes waste recycled/
	Hazardous waste that legally cannot go to landfill.Cut and fill.	Baseline FY13.		Tonnes waste generated
	% of waste recycled will be reported separately for operational and			
	construction divisions.			
	For waste to be counted as recycled Mirvac will require a documentation trail from construction site or asset to the recycling facility. The facility must have a licence for each waste stream being claimed as recycled.	As above for operational control, like for like, and planned major development.		
Commitment: Zero waste	Zero waste means no waste goes to landfill from Mirvac construction and asset operation activities.	Impact Boundary:	FY31	Waste to landfill = 0
Zoro Wasto	construction and asset operation activities.	All Waste		
		 Only assets or construction sites with operational control Off-site recycling to be included where certification of recycled quantities are obtained. 		
		Operational Waste		
		 Whole building waste with operational control for office, retail and industrial assets that have been operating for 2 years or more. 		
		• Like for like assets owned at June 2025.		
		 Excludes operational waste from assets with major development planned within five years of purchase. These assets will be included once the refurbishment has been completed and operating for 2. 		

Mission or commitment	Description	Boundaries	Timeline	Metric
		Construction Waste	FY31	Waste to landfill = 0
		 Construction and demolition waste from all construction projects active from January 2030 and beyond are zero waste to landfill. 		
		Definitions		
		Zero waste): No waste to landfill.		
		As above for recycling certification, operational control, like-for-like, and planned major development.		
Commitment: Implement three closed	Production system in which the waste or by-product of one process or product is used in making another product eliminating waste.	Projects can be created across the whole business. In the project's development the boundary will be defined and no	FY19	# of closed loop projects
loop recycling	Examples include:	waste shall be generated within the boundary.		
projects	 Recycling waste newspaper to make paper-board or other types of paper. 			

Mission or commitment	Description	Boundaries	Timeline	Metric
Commitment: Reduce carbon intensity by 20%	Carbon intensity is the absolute carbon emissions normalised by Net Lettable Area (office and industrial) and Gross Lettable Area (retail). Normalised carbon emissions will be calculated in accordance with our NGERS requirements.	 Landlord operational usage for office, retail and industrial assets that have been operating for 2 years or more. Only assets with operational control. Excludes sites planned for major development within five years of purchase. These assets will be included once the refurbishment has been completed and operating for 2 years. Like for like assets owned at June 2014. Assets purchased after June 2014 must be owned and operated for two years to qualify. Baseline set at FY13. 	FY19	Overall (all buildings) kg CO ₂ e/m²
		Definitions As above for operational control, like-for-like, and planned major development.		
Commitment: Install 1 MW of renewable energy	Renewable energy can include: • bioenergy (biogas, biofuel) • geothermal energy • hydropower • ocean energy • solar energy • wind energy • fiogas • biofuel Renewable energy technologies also include hybrid and related technologies, which may include the following: • Stored energy generated using renewable energy. • Predicted renewable energy supply. • Assistance in the delivery of energy generated using renewable energy technologies to energy consumers.	 Renewables can be installed across the business including those on new developments that Mirvac will not retain operational control such as homes or apartments. On and off-site installed renewable energy systems are included. Green power is excluded. Definitions Renewable energy: Renewable energy is energy which can be obtained from natural resources that can be constantly replenished.	FY19	MW generated

Mission or commitment	Description	Boundaries	Timeline	Metric
Commitment: Pre-qualify 50% of the supply chain on their aligned sustainable practices	Pre-qualification of vendors via a sustainability survey covering social, environmental and governance questions will be used to pre-qualify vendors and transform Mirvac's supply chain.	 Number of vendors will be set at end FY14. These are to be sorted into 3 Tiers based on spend and risk factors. Suppliers who are not engaged for three years will be removed from the calculation. No score required on supplier survey, pre-qualification based on competition of survey and commitment to ongoing improvement. 	FY19	% of Tier 1 and 2* vendors by cost that are prequalified >65 Tier 1 and 2 suppliers make up approximately 75% of Mirvac's spend.
		Definitions		
		Pre-qualified: Complete sustainability survey and commit to ongoing improvement and providing an annual update to Mirvac on sustainability (social & environmental) progress and innovation. An alternative pre-qualification method may be provided in the future via a Supplier Code of Conduct - Mirvac is currently investigating this option.		Therefore, if 65% of Mirvac's Tier 1 and 2 suppliers are prequalified, this relates to approx. 50% of the entire supply chain at FY14.
Commitment: Complete Life Cycle Assessments	Life Cycle Assessments (LCA) to be completed on all projects to enable Mirvac to achieve environmental enhancements in the design, delivery, operation and end of life of assets.	 Projects are defined as those developments to be constructed by Mirvac that commence (achieve Development Approval) after June 2014. 	FY19	% new projects that have been influenced by LCA.
(LCA) for all new projects commencing after June 2014	The detail of the LCA conducted on each new project will vary project to project but as a minimum to the extent that it creates a sustainable outcome. The level of detail in the LCA may range from:	 LCA will be conducted to the extent deemed required to get results, this will not include whole building LCA on all projects. 		
	Whole building LCA certified to international standards;	Definitions		
	 High level LCA early in the design to influence design decisions; LCA on construction methods such as modular vs standard 	New project: Project that achieves DA after June 2014 onwards.		
	construction techniques; LCA on significant materials within the developments.	Life Cycle Assessment (LCA): will be conducted to some extent on each project to enhance sustainability outcomes, however, whole building LCA will not be required to drive these decisions. Mirvac will conduct LCA to the extent deemed required to get results.		

Mission or commitment	Description	Boundaries	Timeline	Metric
		Shaping the Future of Place		
Mission: To create a framework for the Future of Place		Create a new place making strategy to be used consistently across all developments.	FY16	Strategy launched and available publicly on Mirvac's website.
Commitment: To hold a Future of Place Forum	A summit to include presentations and representation from both internal and external stakeholders. This will inform the creation of a framework for the Future of Place (see above).	Forum to be completed before Dec 2014.	FY15	

Mission or commitment	Description	Boundaries	Timeline	Metric
Commitment: Develop a	Sustainable living means living a lifestyle that uses as few resources as possible and causes the least amount of	The index development will enable measurement of residents of Mirvac's community's sustainable lifestyle.	FY16	Sustainable Lifestyle Indices rolled out to
Sustainable Lifestyles Index for	environmental damage for future generations to deal with, while creating a socially and financially fulfilling way of life.	This may be a roll out of an existing indices, or development of a bespoke Mirvac product.		all Mirvac residential developments.
implementation		Measurement is limited to residents, all commercial building occupants are excluded.		
Commitment: To create a One Planet Living (OPL) community	One Planet Living (OPL) is a global initiative based on ten principles of sustainability developed by Bioregional Australia and WWF.	OPL has ten specific measures: zero carbon, zero waste, sustainable transport, local and sustainable materials, local and sustainable food, sustainable water, land use and wildlife, culture and community, equity and local economy, health and happiness.	FY19	# of One Planet Living certified community (certified by Bioregional Australia).
	to achieve one planet living requires a holistic approach to development.	Boundaries to be used as per OPL framework and approval by Bioregional Australia who administer the rating system and will certify the community.		

Mission or commitment	Description	Boundaries	Timeline Metric
		Smarter Thinking	
Mission: To	A smarter asset is one designed to improve its own performance and ease of operation over its lifecycle. This	Portfolio - house, apartment block, office, retail, industrial.	FY21
first smart portfolio	mission is to deliver a smart building to the portfolio scale.	Definitions	
		Portfolio: Covers a minimum of one building from each sector detailed above.	

Mission or commitment	Description	Boundaries	Timeline	Metric
	A smarter asset is one designed to improve its own performance and ease of operation over its lifecycle.	Building - a house, apartment block, office building, retail centre, or industrial building.	FY16	# Buildings delivered that have been designed to
		Definitions		improve performance and ease of operation over
		Smart building: One that is designed to improve its own performance and ease of operation over its lifecycle. As there is currently no external certification available for a 'smart building' this will be confirmed internally by Mirvac.		their lifecycle.

Mission or commitment	Description	Boundaries	Timeline	Metric
Commitment: Educate one million	Education in its general sense is a form of learning in which the knowledge, skills, and habits of a group of	People - Employees, suppliers, tenants, residents, visitors. Definitions	FY19	# of people (direct)
people on sustainability Full details	people are transferred. Full details on how Mirvac is tracking the number of people educated on sustainability is provided in the table below.	Smart building: This commitment requires that one million people are educated on sustainability, this being one million educated people sessions e.g. one person, such as a Mirvac staff member, could be educated several times on different topics in sustainability.		# of people (influenced)
		Sustainability education: Any education or information transfer on a topic relating to social or environmental sustainability. This may include topics addressed in our strategy, such as: sustainable lifestyles; community investment; resource efficiency; net positive; smarter technology etc.		
		Directly educated: where Mirvac directly educates an individual through face to face education sessions, online training sessions funded/produced by Mirvac, sustainability inductions to our sites, or followers of sustainability focused social media sites.		
		Influenced (education): This includes passive forms of education such as signage displays, media (print, radio, TV), newsletters etc.		

Mission or commitment	Description	Boundaries	Timeline	Metric
		Enriching communities		
Mission: To demonstrate community investment within and beyond our boundaries	This is aimed at understanding value of investment in the communities in which we operate.	In broad terms this describes time, money and in-kind contributions by Mirvac directly; as well as those impacts indirectly created by our activities. It is the impact on the local community in areas where we have operational control or the broader community around our developments who are impacted in some way by our activities. The boundary therefore extends beyond the site or asset.	FY16	Measured contributions from Mirvac initiated or funded initiatives including: • \$ of investment • Hours of support • In-kind donations • Cash donations • Leverage

Mission or commitment	Description	Boundaries	Timeline	Metric
Commitment: Developing an Indigenous	Mirvac is developing an Indigenous Strategy, to enable us to build towards our first Reconciliation Action Plan.	To be incorporated across the whole business with Group responsibility for reporting outcomes.	FY17	Launch of Mirvac's first Reconciliation Action Plan
Strategy	This includes identifying opportunities with our existing partners and to develop a plan for relationships, cultural	Definitions		endorsed by Reconciliation Australia.
culminating in our first Reconciliation Action Plan	culminating in our first Reconciliation with Reconciliation Australia's RAP Framework.	Through the Reconciliation Action Plan (RAP) program, organisations develop business plans that document what they will do within their sphere of influence to contribute to reconciliation in Australia.		Activate two indigenous focused charitable partnerships.
		Indigenous strategy: Our approach to engaging with Aboriginal and Torres Strait Islander people to achieve real results in cultural understanding, respect, employment and youth opportunities.		Deliver cultural training for at least 60 staff. Undertake initiatives within in each of our divisions (commercial, retail, residential) and within Mirvac offices to celebrate Naidoc Week and Reconciliation Week.
		Reconciliation Action Plans (RAPs): Outline practical actions the organisation will take to build strong relationships and enhanced respect between Aboriginal and Torres Strait Islander peoples and other Australians. A RAP also sets out the organisation's aspirational plans to drive greater equality by pursuing sustainable opportunities.		

Mission or commitment	Description	Boundaries	Timeline	Metric
Commitment: Create a data capture system for measuring and monitoring community investment across the	This will measure direct and indirect community investment by Mirvac.	Measure time, cash, events and in-kind donations such as free space, directly given by Mirvac as well as indirect contributions leveraged by Mirvac.	FY16	As above
		This will include the following activities undertaken by Mirvac and staff:		
		• Investment - office, retail and industrial portfolio		
		• Developments and construction activities		
whole business		Mirvac offices		
		The boundary extends beyond the site or asset.		
Develop a Community Framework by 2016	The framework will be integrated into our national development Project Delivery Plan (PDP) and our new Sustainability Implementation Plan (SIP) with milestones for assessing and implementing community consultation in addition to tools and templates to support the creation of community plans. As well as making our activities more consistent, this will promote a 'best practice standard' for community engagement and consultation across all our assets and will include practical examples and guidelines on how to deliver different types of community initiatives. Each new development going forward will assess the level and type of community consultation required using a company wide matrix which assesses against issues such as complexity, time, community impact and reputational risk.	Processes incorporated into the PDP and SIP will be for all new developments, whilst tools and templates that form the new framework will be accessible for development and real estate.	FY16	All new developments to have a consultation assessment score and plan.
		The framework will provide a defined process, set of tools and templates that can be used across the business, to engage with and support our communities across the lifetime of our properties. The framework is to be incorporated but not exclusively within the PDP & SIP process to enable use in existing assets/portfolio and new developments.		To be fully incorporated into the PDP and SIP process. All new developments to undertake a least two community engagement initiatives.
		Definitions		
		Community: People who live, work or play in and around our properties.		
		Engagement: Interactions with our communities to support activation and capacity building.		
		Consultation: To inform and involve those connected to a development in the decision-making process.		
		Project Delivery Plan (PDP): Mirvac's national development management process and guidelines.		
		Sustainability Implementation Plan (SIP): Mirvac's new process for identifying, incorporating and reporting sustainability initiatives within all new developments.		

Mission or commitment	Description	Boundaries	Timeline	Metric
Commitment: Develop and utilise Social Return On Investment (SROI) methodology for key projects	This will measure the Social Return on Investment (SROI) created by Mirvac activity in a local community. This measure will provide a new lens to communicate the benefits of Mirvac coming to a community and better value the contributions we make.	Measure both direct and indirect social value created from our developments.	FY16	% of key projects that utilised SROI methodology to measure direct & indirect social value created.
		This will include:		
		• Investment - office, retail and industrial portfolio.		
	This will include looking at and predicting the social value of new buildings and facilities as well as existing assets.	Residential developments.		
		• Developments and construction activities.		
		Mirvac offices.		
		Outputs still to be defined but some examples are health and wellbeing, property values, crime rates, taxation, benefits, jobs created.		
		Definitions		
		Key project: Projects identified as being of strategic importance to the business as determined by profile, size or innovation.		