

SUSTAINABILITY INDICATORS and TARGET 2010 - 2015: PROJECTS

Notes:

- Blue highlights what has changed.
- “Stretch targets” are long term targets which Landcom will work to achieve for certain indicators over a 5 year timeframe. It is unlikely that stretch targets would be achieved prior to 5 years. The objective of stretch targets is to challenge the Corporation to innovate and find new methods of delivering sustainability outcomes.
- “A” project = land delivery only, “B” project = land and built form delivery

PROJECT Environmental Sustainability					
Indicator	Target	Data Required	Timing of Action Required	Timing of Reporting	Applicable to project type
Urban Water Cycle Management					
Percentage of projects with specific water sensitive urban design strategies, ensuring that these strategies are appropriate to the size and location of the project	100%	WSUD strategy	Due diligence to precinct delivery	Precinct delivery	A & B
Percentage reduction in the mean annual load of total nitrogen	45% (Stretch target = 65%)	WSUD strategy	Due diligence to precinct delivery	Precinct delivery	A & B
Percentage reduction in the mean annual load of total phosphorus	65% (Stretch target = 85%)	WSUD strategy	Due diligence to precinct delivery	Precinct delivery	A & B
Percentage reduction in the mean annual load of total suspended solids	85% (Stretch target = 90%)	WSUD strategy	Due diligence to precinct delivery	Precinct delivery	A & B
Stream Erosion Index (SEI) of 2.0 NOTE: SEI updates existing methods of measuring stream flow. A measure of 2.0 is achievable using existing best practice design. A measure of 1.0 indicates minimal impact on receiving waters from changes to stream flow.	100% of projects achieve an SEI of 2.0 (Stretch target = 1.0)	WSUD strategy	Due diligence to precinct delivery	Precinct delivery	A & B
Projects are to use recycled water for irrigation of open space	100%	WSUD Strategy	Due diligence to precinct delivery	Precinct delivery	A & B

PROJECT Environmental Sustainability					
Indicator	Target	Data Required	Timing of Action Required	Timing of Reporting	Applicable to project type
Percentage of commercial buildings to be designed and constructed to be capable of achieving a 5.0 star or greater rating under the NABERS Water Scheme	100%	NABERS Water Rating	Building Design	Completion of building	B
Percentage reduction in potable water consumption compared to the base case	<p>45% for single and attached dwellings not serviced by reticulated recycled water. (Stretch target 60%)</p> <p>45% for all apartments not serviced by reticulated recycled water. (Stretch target 55%)</p> <p>60% for single and attached dwellings serviced by reticulated recycled water. (Stretch target 70%)</p> <p>55% for all apartments serviced by reticulated recycled water. (Stretch target: 65%)</p>	BASIX certificates	DA	Commencement of home construction	B
Energy and Greenhouse Gas Emissions					
Percentage reduction in operational greenhouse gas emissions from dwellings compared with the base case (as defined by BASIX)	<p>50% for detached and attached dwellings</p> <p>40% for 3 storey apartments</p> <p>35% for 4 and 5 storey apartments</p> <p>30% for 6 storeys and</p>	BASIX certificates	DA	Commencement of home construction	B

PROJECT Environmental Sustainability					
Indicator	Target	Data Required	Timing of Action Required	Timing of Reporting	Applicable to project type
	above				
Percentage of projects over 500 dwellings to achieve more than 50% reduction of greenhouse emissions compared with base case	100%	Modelled greenhouse gas impact – PRECINX	Masterplan Design	Masterplan adoption	A & B
Percentage of dwellings that achieve a 6 star or greater thermal efficiency rating (measured using NatHERS based rating tools eg Accurate, BERS)	100%	Accurate certificate	Home design	Commencement of construction	B
Percentage of commercial buildings that are designed and constructed to achieve a 5 star NABERS energy rating	100%	NABERS Energy Rating	Building Design	Completion of building	B
Percentage of dwellings to be fitted with gas boosted solar hot water system capable of achieving a minimum of 30 Renewable Energy Certificates	100%	BASIX certificate	Building design	Commencement of construction	B
Percentage of projects greater than 500 dwellings to include a minimum of 5% renewable energy supply, either onsite or offsite, where financially feasible	100%	Agreement to supply renewable energy, DCP, Masterplan documentation	Masterplan Design	Masterplan adoption	A & B
Biodiversity and Native Vegetation Management					
No loss of "High Conservation Significance" endangered ecological communities	No loss	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Loss of "Moderate Conservation Significance" endangered ecological communities	No specific target (report actual hectares)	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B

PROJECT Environmental Sustainability					
Indicator	Target	Data Required	Timing of Action Required	Timing of Reporting	Applicable to project type
Loss of "Low Conservation Significance" endangered ecological communities	No specific target (report actual hectares)	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Area of endangered ecological communities replanted	No specific target (report actual hectares)	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Area zoned for environmental protection or conservation	No specific target (report actual hectares)	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Percentage of projects where endangered ecological communities or threatened species are found are to have an appropriate Vegetation Management Plan	100%	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Loss of native vegetation as potential habitat for threatened species	No target	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Area of endangered ecological communities receiving onsite conservation in perpetuity	No target	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Area of endangered ecological communities receiving offsite	No target	Masterplan/DCP, Vegetation, Threatened species,	Masterplan design	Masterplan Adoption	A & B

PROJECT Environmental Sustainability					
Indicator	Target	Data Required	Timing of Action Required	Timing of Reporting	Applicable to project type
conservation in perpetuity		Riparian corridor reports			
Value of conservation contribution (including biobanking offset onsite and offsite, and works associated with VMP)	No specified target. Measured in \$ value	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Riparian Corridor Management					
Loss of riparian corridors for third order streams . Note: The Department of Water and Energy has adopted a new methodology for ordering streams called the Strahler System. The methodology has been adopted for use in 'Guidelines for Controlled Activities Riparian Corridors'	No loss	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Conservation of 20-40m core riparian zone, and 10m vegetated buffer for any third order or greater watercourses and where there is a defined channel where water flows intermittently or permanently. Includes estuaries, wetlands and any parts of rivers influenced by tidal waters	100%	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Conservation of 20m core riparian zone and 10m vegetated buffer for any permanently flowing first order watercourse, or and second order water course; and where there is a defined channel where water flows intermittently or permanently	100%	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Length of in-stream breaks resulting from Landcom's design for Third Order	No breaks	Masterplan/DCP, Vegetation,	Masterplan design	Masterplan Adoption	A & B

PROJECT Environmental Sustainability					
Indicator	Target	Data Required	Timing of Action Required	Timing of Reporting	Applicable to project type
Streams		Threatened species, Riparian corridor reports			
Length of in-stream breaks resulting from Landcom's design for Second Order Streams	No target (report length of breaks in metres)	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Conservation of 10m for any first order watercourses where there is a defined channel and where water flows intermittently	100%	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Length of in-stream breaks resulting from Landcom's design for First Order streams	No target (report length of breaks in metres)	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Provide appropriate Riparian Corridor Management Plans for all Landcom projects where riparian land exists	100%	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Area of riparian land in environment protection zoning	No target (actuals in hectares)	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan design	Masterplan Adoption	A & B
Ramsar wetlands or other significant or listed water bodies affected by Landcom's activities	No target (describe/name wetlands)	Masterplan/DCP, Vegetation, Threatened species, Riparian corridor reports	Masterplan Design	Masterplan Adoption	A & B
Influencing Design					
Number of projects where Landcom	No target	Design Guidelines	Precinct design	Precinct	A

PROJECT Environmental Sustainability					
Indicator	Target	Data Required	Timing of Action Required	Timing of Reporting	Applicable to project type
influences the builders' product by specifying design criteria			and construction	construction completion	
Percentage of lots delivered where the builders' designs were influenced by Landcom through design guidelines	No target	Design Guidelines	Precinct design and construction	Precinct construction completion	A
Percentage (and number) of projects where the "Landcom Guidelines" were used to influence urban outcomes	100%	Design Guidelines	Precinct design and construction	Precinct construction completion	A
Percentage of lots delivered that had sustainable design criteria in design guidelines, comprising two out of four of the following sustainability criteria: <ul style="list-style-type: none"> ▪ Solar orientation and passive solar design ▪ Energy efficient design (i.e. 6 star thermal performance) ▪ Water conservation measures (i.e. 4 star rated, taps, shower roses, fittings and fixtures, toilets) ▪ Household recycling facilities 	100% of lots with design guidelines	Design Guidelines	Precinct design and construction	Precinct construction completion	A
Waste					
Percentage of recovery (reuse and recycle) of total construction and demolition waste materials generated from civil works completed in the reporting year	95%	EMP Report Card	Civil or demolition works	Completion of civil or demolition works contract	A & B
Percentage of recovery (reuse and recycle) of total construction and demolition waste materials generated from building construction projects delivered in the reporting year	95%	EMP Report Card	Construction of homes for Landcom or option homes	Completion of Construction of a home or group of homes	B

PROJECT Social Sustainability					
Indicator	Target	Data Required	Timing of Action Required	Timing of Reporting	Applicable to project type
Social Sustainability Due Diligence					
Percentage of new projects that have social sustainable due diligence completed prior to master plan approval	100%	Evidence of Social Due Diligence in Due Diligence report	Due Diligence/Business development	Masterplan Adoption	A & B
Strategic Social Plan					
Percentage of new projects that have a Strategic Social Plan completed prior to master plan completion	100%	Strategic Social Plan	Masterplan development	Masterplan Adoption	A & B
Ageing in Place					
All projects to provide a suitable portion of Universal Housing product	100%	Home designs and sales plans	Design and construction of precinct	Completion of construction of a precinct	B
All residential display villages to contain at least one Universal House					A & B
Moderate Income Housing					
Percentage of total yield that is sold for the purposes of providing Moderate Income Housing, as defined* Notes: Moderate Income Housing calculation methodology will now include a 30 year loan term (previously 25 years) as this is now a banking industry standard. Intent is also to include long term rental (such as community housing) where it can be verified that it is being rented to the Moderate Income Housing income bracket.	7.5%	Sales plans	Design and Construction of a precinct	Completion of construction of a precinct	A & B
Relative Affordability					
Percentage of new Landcom housing sold at or below the average sales price for new housing in a defined local	No target	Average Landcom sales prices fro land, houses and apartments within the region	Sales	Sales	B

PROJECT Social Sustainability					
Indicator	Target	Data Required	Timing of Action Required	Timing of Reporting	Applicable to project type
geography					
Community Facilities					
Community facilities provided (including number of school sites provided, area of passive and active open space delivered, number of courts for playing sport delivered, number of community halls or community hall sites provided and number of playgrounds provided).	No target (describe nature of facilities)	Precinct plans	Design and construction of a precinct	Completion of construction of a precinct	A & B
Value of community facilities provided	No target (\$ value)	Precinct plans and Project financials	Design and construction of a precinct	Completion of construction of a precinct	A & B
Sustainable Community Programs					
Percentage of projects over 200 lots with community development program/s (including Welcome Program)	100%	Development Manager/Community Development Manager Interview	Precinct design and construction	Sales period	A & B
Percentage of projects with a structured sustainable living education program in place	100%	Development Manager/Community Development Manager Interview, evidence of education materials	Precinct design and construction	Sales period	A & B
Value of community programs (including, for example, Welcome program, Walking School Bus and education programs)	No Target	Development Manager/Community Development Manager Interview and project financials	Precinct design and construction	Sales period	A & B
Community Sponsorship					
Value of community support and sponsorship	No target (\$ value and cite sponsorship)	Interview with Development Manager, Community development Manager and Corporate communications Manager, project financials	Precinct design and construction	Sales period	A & B
Indigenous and Non-indigenous Heritage					
Percentage of projects with significant	100%	Evidence of a requirement for a	Masterplan Design	Masterplan	A & B

PROJECT Social Sustainability

Indicator	Target	Data Required	Timing of Action Required	Timing of Reporting	Applicable to project type
indigenous heritage issues that have a Conservation Management Plan developed		heritage CMP (eg DA condition, CMP etc)		Adoption	
Percentage of projects with heritage listed items & places that have a Heritage Conservation Management Plan prepared	100%		Masterplan Design	Masterplan Adoption	A & B

PROJECT Governance					
Indicator	Target	Data Required	Timing of Action Required	Timing of Reporting	Applicable to project type
Regulatory Compliance					
Number and percentage of Civil works contracts that have environmental audits carried out in accordance with contract requirements	100%	Civil works contract audits	Precinct construction	Completion of the construction of a precinct	A & B
Number and percentage of builder contracts that have environmental audits carried out in accordance with contract requirements	100%	Builder audits	Home building	Completion of a home or group of homes	B
Number and percentage of civil works contracts that have OH&S audits carried out in accordance with contract requirements	100%	Civil works contract audits	Precinct construction	Completion of the construction of a precinct	A & B
Number and percentage of builder contracts that have OH&S audits carried out in accordance with contract requirements	100%	Builder audits	Home building	Completion of a home or group of homes	B
Number and percentage of civil contractors issued with an immediate action rectification based on findings of either environmental or OH&S audits	Zero	Civil works contract audits	Precinct construction	Completion of the construction of a precinct	A & B
Number and percentage of builder contractors issued with an immediate action rectification based on findings of either environmental or OH&S audits	zero	Builder audits	Home building	Completion of a home or group of homes	B
Description of repeating offences and repeating non-compliances with immediate rectification requests (and to be reintroduced in 2010/2011: number of projects achieving full compliance with POEO Act and other relevant legislation)	NA	Civil works contract audits and Builder Audits	Precinct construction and home building	Completion of a precinct or homes	A & B
Demonstration Projects					
Description of leadership and innovation across the organisation (including Development , Policy, and Corporate initiatives)	No target	Interview with development manager	Throughout project	Completion of Masterplan, precinct construction, buildings or sales	A & B
Sustainable Supply Chain					
Number of project managers, civil works, and Landscaping providers prequalified by Landcom	No target	Prequalified contractors lists	NA	NA	A & B

PROJECT Governance

Indicator	Target	Data Required	Timing of Action Required	Timing of Reporting	Applicable to project type
Percentage of project managers, civil works and Landscaping contracts let during the year sourced from Landcom's prequalified list	100%	Civil works contract	Precinct design	Completion of the construction of a precinct	A & B
Number and percentage of construction contracts tendered during the year that included selection criteria relating to sustainability innovation through materials, design and/or practices	100%	Civil works contract	Precinct design	Completion of the construction of a precinct	A & B
Number and percentage of construction contracts let during the period that include sustainable materials, design and practices requirements	100%	Civil works contract	Precinct design	Completion of the construction of a precinct	A & B
Number and description of development partnerships Landcom entered into over the previous 12 months that included sustainability requirements	No target	PDA/JV agreements	Project Delivery	Appointment of partner or preferred partner	A & B
Number and percentage of public space design contracts tendered during the period that include sustainable materials, design and practices requirements	100%	Open space design/construct tenders	Project delivery	Completion of the construction of a precinct	A & B
Number and percentage of public space design contracts let during the period that include sustainable materials, design and practices requirements	100%	Open space design/construct contracts	Project Delivery	Completion of the construction of a precinct	A & B