

Sustainability Strategy 2021-2025

City Renewal Authority

January 2021



ACT
Government

**CITY
RENEWAL
AUTHORITY**

Acknowledgement of Country

The ACT Government acknowledges the Australian Aboriginal and Torres Strait Islander peoples of this nation.

We acknowledge and pay our respects to Elders, past, present and future of the Ngunnawal people, as the Traditional Custodians of the lands on which we live and where we conduct our business.

We recognise the significant contribution of the Ngunnawal people and neighbouring Nations – the Ngambri, Ngarigo, Wolgalu, Gundungurra, Yuin and Wiradjuri – to the Canberra region. For thousands of years these Nations have maintained a tangible and intangible cultural, social, environmental, spiritual and economic connection to these lands and waters.

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Our Vision

The City Renewal Authority is leading the transformational long-term urban renewal program for the centre of Canberra.



Our vision is to create a world-class, competitive city that sets new standards in city living for liveability, urban design, mental and physical wellbeing, sustainability and resilience.

In partnership with the community, we aim to create a vibrant city through the delivery of design-led urban renewal focussed on social, and environmental sustainability. We are committed to excellence and innovation and creating places that are regenerative and that nurture social connectedness. A key objective is the creation of welcoming and inclusive places in our city centre for all Canberrans to enjoy.

Recognising, reflecting and learning about the importance that land and landscape have for Aboriginal and Torres Strait

Islander culture and its peoples is fundamental to creating places that represent and reflect who we are and how we use and experience our city. This strategy sets out our expectations for social, environmental and economic sustainability outcomes in the Precinct with a focus on:

- Resilience and climate-wise design
- Social and economic vibrancy
- Sustainable use of resources
- Healthy active living and travel

This strategy will help us deliver on the ACT's social and environmental goals. It will be reviewed and adjusted as technology and policy progresses, regulatory updates take place and through ongoing engagement with stakeholders.

We will lead by example in areas we control and will play an influential role by calling for strong collaboration from government, the private sector and the community.

We live in a unique place with a committed and engaged community.

We have a responsibility to ensure that urban renewal leaves a legacy of sustainable places for our future generations. It is important that our bush capital and garden city character is reflected and enhanced in developments as the city grows and evolves.

Our goal is to create thriving, lively mixed-use neighbourhoods that have a distinct identity and character and foster social connectedness and cohesion.

The City Renewal Authority believes that best practice design is fundamental to achieving sustainable development. With liveability and sustainability as overarching outcomes in all our programs, we proactively lead contemporary thinking and its conversion into action.

This is achieved through evidence-based practice to ensure placemaking and design excellence in transforming the urban quality of the city, ensuring it is recognised as the national urban benchmark.

Snapshot of our targets:

	Baseline (2018*)	2025
Energy performance	6 Star NaTHERs /4.5 NABERS	10% better than National Construction Code 2019 ¹
Waste	Food organics make up 37% of waste to landfill (2015)	Significant decrease ratio of organics in waste to landfill
Cool the city / green space	19% tree canopy cover	30% tree canopy cover (or equivalent) by 2031
Water	40% reduced potable water demand (2003)	>50% reduced potable water demand (2003)
Greenhouse gas emissions (ACT-wide target)	40% reduction (on 1990 levels) from 2020	50-60% reduction on 1990 levels to progress to net zero emissions by 2045
Active Travel	Various 60-90 walkability score 25% of trips by active travel	90+ walkability score 40% of trips by active travel

*where a reported figure is not yet available this has been estimated

1 - 2020 Green Star Buildings - Energy rating method for commercial or residential



Our Sustainability Goals

Canberra aims to become a world-class capital city that has people and sustainability at its core. The City Renewal Authority is charged with championing contemporary urban renewal that is design-led, people-focused and sustainable.

This strategy will aid the authority to:

- respond to the ACT community's high expectations for sustainability in the built environment, wellbeing and actions in the 10th Parliamentary Agreement;

- deliver on our city's ambitious, globally-recognised climate change goal of net zero emissions by 2045, which supports the international Paris Climate Agreement and more broadly the United Nations Sustainable Development Goals;
- deliver best practice social sustainability through city renewal that provides welcoming, inclusive spaces that value mental and physical wellbeing, social connectedness and leading edge placemaking and place management;

- deliver on legislated obligations (environmentally and socially sustainable development, innovative buildings and public realm and supporting greenhouse gas targets);
- increase community resilience to the effect of climate change; and
- operate in a financially responsible manner that delivers value for money across the triple bottom line - social, environmental and economic.

Applying this strategy will be mandatory for our projects.



How will this be used?

The sustainability strategy has been created to be applied and embedded across the broad program of work, from placemaking activations to land sales.

Global Direction

The strategy aligns to strategic direction in the UN Sustainable Development Goals with a strong focus on:

- Goal 3 Wellbeing
- Goal 11 Sustainable Cities
- Goal 12 Responsible Consumption
- Goal 13 Climate Action

UN Sustainable Development Goals			City Renewal Sustainability Pillars
			Nature in the city and climate wise design
			Social and economic vibrancy
			Sustainable use of resources
			Enable healthy active living and travel

Using these themes, we will create project and site-specific sustainability action plans for major projects like Acton Waterfront.

- City Renewal Authority Strategic Plan Goal 3: Sustainability
- Implementation actions, guidelines, requirements – by project
- CRA Projects, PIE, engagement and partnerships
- Sustainability KPIs ACT and CRA directions (ACT Wellbeing Framework, Canberra's Living Infrastructure Plan, ACT Transport Strategy)

Working towards reconciliation

The City Renewal Authority Board and staff are committed to addressing reconciliation. A key objective of the Authority is the creation of welcoming and inclusive places in our city centre for all Canberrans to enjoy.

Recognising, reflecting and learning about the importance that land and landscape have for Aboriginal and Torres Strait Islander culture and its peoples is fundamental to creating places that represent and reflect who we are and how we use and experience our city.

That insight will help the Authority in its quest to transform the City Renewal Precinct into a network of places that reflect our rich culture and builds on our history.

We commit to actively creating and progressing partnerships that bring different communities together to share insights, knowledge, and experience. We will listen and learn from Aboriginal and Torres Strait Islander peoples and deepen our understanding of their culture by partnering with their communities and stakeholders to progress respectful and co-operative relationships.

We confidently look forward to working with Aboriginal and Torres Strait Islander peoples and their communities to play our part in our nation's journey toward reconciliation.

We are excited to be able to contribute to, and participate in, the Environment Planning and Sustainable Development Directorate Innovate Reconciliation Action Plan 2019–21.





Who Is This Strategy For?

We will lead by example in areas we control and will play an influential role by calling for strong collaboration from government, the private sector and the community.



Government

The City Renewal Authority will work within government to facilitate positive outcomes that support, encourage and require sustainable development.

Some of the actions in this strategy will catalyse longer term planning or regulatory measures, other actions will form part of the minimum requirements

for our forward land release program (starting 2021). We will also collaborate to establish incentives or mechanisms that help drive sustainable development.



Business and industry

The development industry is encouraged to join the City Renewal Authority on its path to best practice sustainable development by adopting the goals and targets identified in this strategy.

These targets and measures can be practically achieved by taking a 'people first' approach to building and precinct design and by utilising an industry recognised community

rating tool, like Green Star Communities or One Planet Living, targeting Australian best practice or better.



Community residents & workers

On this sustainability journey, the community is encouraged to discover and enjoy the benefits of sustainable places, buildings and precincts and to encourage developers and owners to embrace placemaking and implement beneficial measures in their developments.

Welcoming, inclusive public spaces help nurture social connectedness and support active, healthy communities – ensuring equity, mental and physical wellbeing and providing benefits to everyone.

Our strategic approach

The Authority leads the revitalisation of our precinct and its places by delivering a people-centred, designed, sustainable, and commercially astute urban renewal program:

- Collaborating for positive impact.
- Catalysing and sustaining momentum in our Renewal Program.
- Demonstrating leadership in creation of exemplary places as well social and environmental outcomes.
- Boosting our economic return to Government.

We are committed to positive economic, social and environmentally sustainable outcomes for Canberra.

Applicable at all scales - macro to micro

Here, we have adopted four key principles that can be applied at the city scale with corresponding targets, measured at the precinct scale and/or block and development level. These will be a mandatory requirement for all authority projects and initiatives.

1 - Resilience and climate-wise design

Healthy, comfortable places for people and nature, adapted to a changing climate. Increasing nature in the city.changing climate.

2 - Social and economic vibrancy

Diverse, thriving neighbourhoods with a public realm to support social connectedness and mental and physical wellbeing.

3 - Sustainable use of resources

Highly efficient use of natural resources, capturing and reusing surpluses supporting a circular economy.

4 - Healthy active travel

Healthy, low-impact active travel infrastructure that enhances walking and cycling experiences and active living habits.

Elements

Resilience and climate-wise design

Social and economic vibrancy

Sustainable use of resources

Enhanced active living and travel

Objectives

Climate resilient, healthy and natural places for people

Climate positive developments

Prioritise health and comfort

Diversity, density and affordability

People-centred urban design and liveability

Inclusive, accessible places for all

Highly efficient use of resources

Capture and beneficial re-use of finite resources

Adaptive re-use of structures

Active travel including public transport

Innovative solutions to car parking

Outcomes

- Urban environment is fit for purpose and well adapted to climate change (heat waves, heavy rain events, drought).
- A greener city with abundant living infrastructure: tree cover, native plants and wildlife and green spaces/roofs/ community gardens that improve local microclimates and minimise the urban heat island effect.

- Reduced reliance on fossil fuels, all electric in-fill projects.
- Developments targeting zero emissions and best practice performance ratings. Buildings have high thermal integrity (both summer and winter).
- Buildings and welcoming open spaces encourage health and social connectedness and improve wellbeing.

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- Access to a full range of dwelling sizes.
- Access to affordable housing options.
- Thriving commercial and social enterprises.

- Flexible mechanism for excellence and innovation.
- Developments designed for social interaction of residents.
- Inclusive, accessible facilities available to meet local needs, including access to fresh food.

- Public space that celebrates a living thriving culture for Ngunnawal people and other Traditional Custodians.
- Places that are accessible for all. Age friendly, child friendly city achievements.

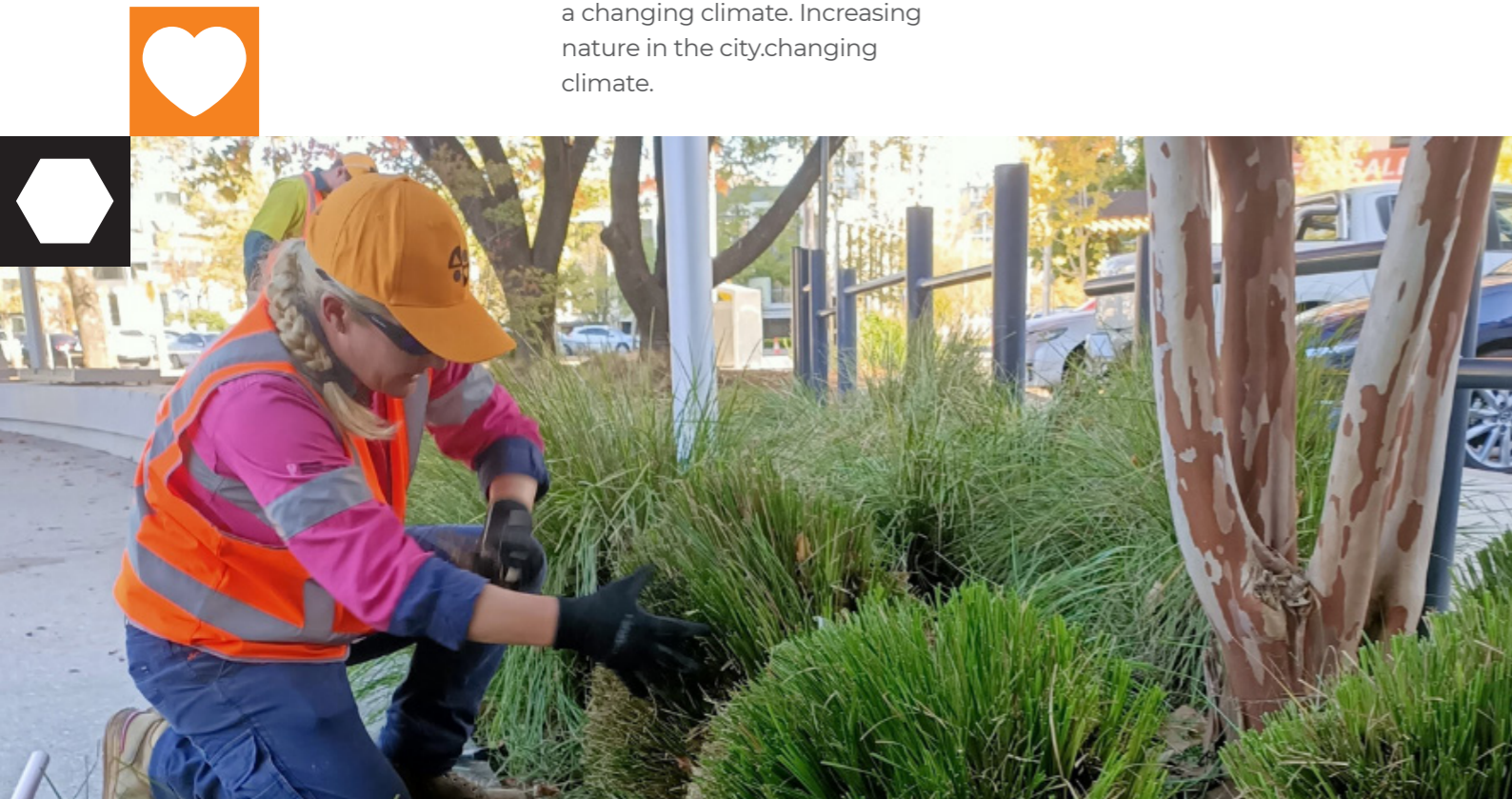
- Energy and water efficiency maximised
- Passive solar design principles employed including solar gain for space and water heating, shading for summer cooling.

- Garden city' character is enhanced, supported by best practice water sensitive urban design.
- Circular economy, share and repair culture, waste minimisation and reuse supported and diversion of organics from landfill.

- Existing buildings, structures and landscapes are adapted and reused where appropriate to help create a sense of place and reduce emissions embodied in construction.

- Improved quality, design and connectivity of public and private realm to encourage walking, cycling and public transport.

- Increased use and enjoyment of walking, cycling and public transport. Reduced share of short-distance trips by car.
- The community is supported to adopt healthy active living habits for all ages. Increased numbers of walkers and length of trip.
- Car parking delinked from apartment sales.
- Sustainable vehicles prioritised: car share and electric vehicles (EV) and planning for autonomous vehicles.



Our Principles



Resilience and climate-wise design

Healthy, comfortable places for people, adapted to a changing climate for a resilient community.



Sustainable use of resources

Highly efficient use of resources, capturing and reusing surpluses to enable the circular economy.



Social and economic vibrancy

Diverse, thriving neighbourhoods that value culture and the public realm.



Active healthy living and travel

Healthy, low-impact active travel infrastructure that encourages walking, cycling, health and wellbeing.

What mechanisms will we pursue to achieve outcomes?

Review

This strategy was reviewed in 2020 and will be adjusted as the city evolves, impacts on the city change and regulatory reforms take place. The next review is scheduled for 2023.

City Renewal Authority work program

- We will specify sustainability criteria via a range of land release levers – such as conditions in deeds and contracts. We will adopt third-party verification of sustainability performance via an industry recognised rating tool – targeting Australian best practice, such as Green Star Communities.
- We will pilot and test the new credits proposed in Green Star Communities such as ‘Enjoyable Places’ to contribute to industry mainstreaming.
- We will embed and implement these sustainability measures in our capital works program – eg. Haig Park, Braddon and Dickson, City Walk and Garema Place and Acton Waterfront.
- We will showcase through our activations and place management team programs, advocating for ACT-wide adoption of social and environmental sustainability foundations for urban renewal.

Planning & Regulatory

- As a mandatory referral entity for all developments in the precinct we are required to influence developments through the development process from pre-application engagement to development application reviews and construction.
- Major projects that are channelled through the National Capital Design Review Panel will be expected to demonstrate sustainability relevant to authority targets and industry best practice.
- Sustainability input and proposed changes to planning controls as indicated in the City and Gateway.
- Framework, the development of an urban design framework and other guidance.
- Explore changes to enable and encourage separate strata or other forms of title for car parking spaces.
- Collaborate and test opportunities for greater flexibility in the planning process to value sustainability and public benefits. Flexible approach to link a development’s investment/offset to the surrounding public realm benefit, sustainable transport (bike parking, charging) walkability and / or shade and green space uplift.
- Supporting achievement of actions in the 10th Parliamentary Agreement.

Collaborating within government on initiatives that enhance and encourage sustainable development

- Ensure that development takes a people-first approach and delivers best practice social sustainability.
- Providing input to inform and expand the design and use of levers for best practice.
- Fostering innovation and next practice through demonstration projects, training and capacity building for both government and industry and the development of best practice guides.
- Maintain close collaboration with Major Projects Canberra, Environment Planning and Sustainable Development Directorate, Suburban Land Agency and others to collectively set higher benchmarks for work leading sustainable development.
- Collaborate and partner with others in the community to better promote and encourage sustainable development – for example Greening Australia and the Commissioner for Sustainability and the Environment.
- Develop and maintain mutually beneficial relationships with Aboriginal and Torres Strait Islander peoples to support positive outcomes.

Resilience and climate-wise design

Healthy, comfortable places for people and nature, that are future-ready and adapted to a changing climate.

We will encourage new technologies and foster a culture of innovation and best practice in building and public space design.

Strategic intent

We will encourage the greening of public and private space to make the city more comfortable

and natural, and to help people to connect with nature.

We will work co-operatively with developers, planning and other arms of government to deliver healthy, comfortable places for people and nature, adapted to a changing climate. We will encourage developers to set high sustainability performance

standards, and we will work within government to embed targets within regulations and planning practices.

We will create a legacy of climate-wise, zero emission buildings and outdoor spaces that are fit for purpose and adapted to the climate of today and the future.


Climate resilience

Outcomes

- The urban environment is adapted and less vulnerable to a variable climate
- (heatwaves, storms and flash floods). Climate refuges are accessible.
- Urban heat is reduced by cooling from abundant vegetation on and around buildings to improve local microclimates and foster social cohesion – trees, shrubs climbers and grasses in accessible open spaces – and materials that reduce heat absorption.
- Green space is accessible and used by people.
- Nature in the city provides biodiversity resilience, environmental services, like fresh air and clean water, and wildlife habitat connectivity.

2025 Target

30% TREE CANOPY COVER



- Limit urban heat islands to no higher than 1 degree above 2017 average across precinct by 2031.
- Provide an increasing presence of appropriate plants, both native and deciduous.
- Recognised leader on nature in the city .
- 30% water permeable surfaces in urban footprint by 2045

2022 priority actions

- Increase biodiversity and nature in the city to improve habitat, cultural plant use and support urban connectivity.
- Trial microclimate assessment guide 2021, city cooling initiatives and tree canopy equivalents in streetscape and landscape upgrade projects. Pursue green roof case studies.
- Develop and implement resilience and urban heat mitigation actions. Measure outdoor thermal comfort index (eg. City Walk Summer 20/21).
- Foster community connection to nature through activations, citizen science (eg. Bio Blitz) and engagement with Canberra Nature Map.
- Establish the Place Success Dashboard to integrate city making data such as tree canopy, green space and resilience indicators.

Climate ready development

Outcomes

- Reduced reliance on fossil fuels and all-electric infill developments and retrofitted buildings.
- Increased number of developments targeting formal zero emissions and Australian best practice sustainable performance rating.
- Promotion of low carbon materials and developments that produce no net greenhouse emissions during construction and operation.

2025 Target

- Authority development projects target Australian best practice sustainability ratings and zero emissions.
- Land sales achieve 'showcase' sustainable development (150% living infrastructure plot ratio, Scope 3 zero emissions and/or reduced car parking).
- Facilitate industry advancement of future ready initiatives (ie onsite EV charging, all-electric infill developments).

2022 priority actions

- Promote low-carbon precinct design and practice (no natural gas, carbon positive balance sheet, on-site electric vehicle charging). Explore partner opportunities with Actsmart.
- Set national best practice sustainability target for Authority land releases: mandate for all-electric buildings, have EV charging infrastructure capability and meet minimum living infrastructure provisions
- Land sales specify conditions for design, construction, operation. Establish reporting of significant Scope 3 construction emission sources (concrete, truck fuels, steel) from capital works.
- Advocate and deliver projects that support 10th Parliamentary Agreements eg all-electric developments, by setting requirements in project delivery agreements.

Healthy comfortable buildings and outdoor space

Outcomes

- Buildings and welcoming open spaces encourage health and mental and physical wellbeing, nurture social connectedness and a sense of community.
- High thermal integrity, adequate ventilation.
- Buildings are fit for purpose in the climate of the present and future across the lifespan of the building (resilient to extreme events).
- Public spaces are vibrant gathering places. Projects foster healthy built form objectives of getting active, socialising and eating well.

2025 Target

- Code+1 Star envelopes, with separate heating and cooling caps for year-round comfort
- 100% of public space upgrades include placemaking initiatives helping people to get active and connect with others.
- Leadership in creating and measuring how places help to improve wellbeing.

2022 priority actions

- Encourage industry transition to exceed BAU energy performance via 'Code+1' approach (eg 10% better than National Construction Code).
- Deliver projects that use urban design to nudge healthy, sustainable behaviours; set community wellbeing goals in all new developments.
- Facilitate the adoption of microclimate assessments and climate-wise landscape guide from 2021.
- Develop and monitor indicators for public space, and pilot 'places that improve wellbeing', via the Place Success Dashboard.
- Apply the materials Red List to eliminate harmful materials in construction projects.

Social and economic vibrancy

Diverse, thriving neighbourhoods that have the critical mass for social and economic sustainability and that value their high-quality public spaces.

Strategic intent

We will manage the urban renewal program to ensure diverse, inclusive, thriving and highly liveable neighbourhoods that put people first and have distinct characters. We will encourage mixed-use developments that apply a 'place' approach and have ready access to community and commercial services.

We encourage diverse and affordable housing choices, and flexible approaches to the built form that clearly demonstrate community benefits like liveability and sustainability. We recognise and value Ngannawal connection to country and support a living thriving culture for Aboriginal and Torres Strait Islander people.

We will collaborate to foster an urban culture that showcases Canberra's creativity and food culture and connects people with people and with nature.

Diversity, density and affordability

Outcomes

- The community has access to a full range of dwelling types to encourage family living, aging in home, and accessible housing.
- The community has access to affordable housing options, particularly for low-income households.
- Vibrant business environment, thriving commercial and social enterprises and active streets.

2025 Targets

- Apartments provide a maximum of 40% of any one type of dwelling (1, 2, or 3+ bedroom) with provision of at least 20% of apartments that are 3+ bedroom.
- Legislated affordable, public and community housing targets are achieved or exceeded.
- Increased footfall or time spent in precinct.

2022 priority actions

- Establish a holistic showcase for affordable, energy efficient and resilient development.
- Develop the Place Success Dashboard to integrate dwelling typology, diversity, footfall, sentiment and vibrancy measures.
- Demonstrate innovative approaches to housing. Advocate for and test incentives to achieve sustainability and wellbeing outcomes on all developments.
- Implement targets in *Housing Strategy*.

People-centred urban design and liveability

Outcomes

- Placemaking is at the heart of developments. Designs encourage social interaction of residents by providing welcoming communal and public open space.
- Innovative approaches to mixed-use developments, with an appropriate mix of commercial, community and residential spaces.
- Inclusive, accessible facilities available to meet local needs, including access to healthy fresh food and support sport and recreation activities
- Activated streets and accessible green spaces.
- Urban biodiversity, nature pockets, community gardens and cultural plants create 'naturehoods' through the precinct.

2025 Target

- Access to community and basic commercial services within an easy walk (10 minutes).
- Walk Score of 90+ (precinct wide target). Mixed-use developments promoted in areas with low score.
- Permeable street-facing facades that attract people.
- Community safety promoted with smart and appropriate LED public lighting in more than 50% of the precinct.
- Increase in communal and public open space (20% of site area for developments with more than 30 apartments), including productive gardens and or nature pockets.

2022 priority actions

- Facilitate delivery of exemplar mixed-use developments using people-focused design. Spaces for community use.
- Foster activities that showcase urban food culture and encourage community connection through nature.
- Work within government to deliver adequate, smart street and public lighting to support safe active travel at night, noting warm white preferred.
- Implement associated activities for public realm and infrastructure design, placemaking, urban art and city activation to increase vibrancy and the quality of public life, including recreation
- Develop the Place Success Dashboard to integrate data on amenity, access to open green space and gardens, communal space, enjoyment and walk scores.

Inclusive, accessible places for all

Outcomes

- Public space that celebrates and supports a living thriving culture for Aboriginal and Torres Strait Islander people, eg. connected landscapes for cultural seasonal walks.
- Accessible places for all abilities.
- Age friendly, child friendly city recognition.
- Enjoyable places recognition.

2025 Targets

- An increasing number of garden beds supporting cultural plant use.
- Inclusive, safe, sustainable city that fosters a sense of belonging.
- Achieve excellence in accessibility, child and age friendly city measures and 'enjoyable places'.

2022 priority actions

- Engage with the Ngannawal community to tell meaningful stories and incorporate activities that support a living thriving culture.
- Showcase and embed 'access for all' and universal and inclusive design in place upgrades.
- Develop the Place Success Dashboard to identify and measure urban amenity and outcomes from our placemaking and city activation work.
- Test and trial measurement of 'enjoyable places'.

Sustainable use of resources

Highly efficient use of natural resources, capturing and reusing surpluses, and adapting structures to new uses over time.

Strategic intent

All developments will feature water sensitive urban design to slow down, capture and filter valuable stormwater.

We encourage highly efficient use of natural resources, with a focus on outcomes that are cost-effective from the community's perspective and recognise the social cost of carbon.

Commercial buildings will be encouraged to strive for exemplary energy efficiency and to be designed for adaptive reuse at the end of their (initial) economic lives.

Natural resource flows, including stormwater, will be captured and beneficially used to help sustain living infrastructure.

We support the emerging circular economy, a culture of share and repair, encourage waste minimisation and beneficial re-use of waste streams in the local economy, in construction and operation.

Highly efficient resource use

Outcomes

- Energy efficiency maximised to the degree that is cost-effective.
- Water efficiency maximised to the degree that is cost-effective.
- Raised community awareness of opportunities like switching from gas to electric and replacing old appliances with high energy efficiency appliances.
- Passive solar design principles are employed including solar gain for space and water heating, shading for summer cooling, controlled ventilation.

2025 Target

- **Non-residential energy performance requirements 10% better than 2019 code.**
- **5-Star+ or best-in-class energy and water efficient fittings and appliances specified for all developments.**
- **Developments set a target for total water management and reduce potable water demand by 50% (compared to 2003).**

2022 priority actions

- Explore opportunities with Actsmart and others to deliver an engagement program to promote and demonstrate innovation and best practice sustainable buildings to the community and industry.
- Facilitate transition by industry to exemplary water consumption targets that exceed code (by at least 10%).
- Develop the Place Success Dashboard to map resource data where available.
- Seek innovative finance approaches to drive sustainable developments (new and existing buildings).

Capture and beneficial re-use of finite resources

Outcomes

- Recognised leader in the circular economy fostering reuse, share and repair.
- Waste minimisation and reuse is supported with a focus on extracting maximum value and diverting organics from landfill.
- Garden city character is enhanced, supported by best practice water sensitive urban design.
- Consumption of potable drinking water is reduced; stormwater reuse is increased.
- Precinct-scale resource use planning and innovation.
- Scope 3 greenhouse gas emissions reduced.
- Leadership embedding social and environmental responsibility in procurement.

2025 Target

- **Projects target an increase in water permeability or water capturing surfaces for public realm irrigation - 30% permeability**
- **Circular economy and waste minimisation outcomes. Waste and recycling management plans for developments target 95% construction resource recovery.**
- **Exceed targets to filter the majority of pollutants from stormwater (suspended solids, gross pollutants).**
- **Increase onsite capture and use of organics, recyclables and bulky waste.**
- **Procurement strategies support social and environmental responsibilities and foster green economies.**

2022 priority actions

- Foster and deliver innovative projects that demonstrate sustainable resource use:
 - Encourage precinct-scale resource use considerations: in vessel organics capture and re-use, water, energy generation, onsite use and storage.
 - Deliver exemplars of waste resource recovery (organics, recyclables, reusable materials) in both construction and operation phases.
 - Establish circular economy showcase at Haig Park eg. a tool lundry and share and repair program.
 - Implement exemplar water sensitive urban design in projects.
 - Trial plastic free places and events.

Adaptive re-use of structures

Outcomes

- Existing buildings, structures and landscapes are adapted and reused where appropriate to help create a sense of place and reduce emissions embodied in the construction process.

2025 Target

- **New developments reduce Scope 3 emission impacts via adaptive re-use of built form / landscapes and / or sustainable materials choices.**

2022 priority actions

- Develop and demonstrate adaptive reuse case study design and construction. Haig Park depot upgrade to showcase best practice sustainable materials to community and industry.
- Proactive use of TCCS urban timber in the capital program for nature play and street furniture.

Enable active living and travel

Healthy, low-impact travel infrastructure that increases sustainability, connectivity and encourages our community to be healthy, walk, cycle and use public transport.

Strategic intent

We will encourage the use of walking, cycling and public transport in preference to car trips for shorter journeys.

This will be supported by improved connectivity between destinations, safe walking and cycling infrastructure, compact city goals, future-proofed infrastructure complemented by autonomous vehicles and mobility-as-a-service over time.

This can also assist in housing affordability and facilitate infrastructure that adapts to future needs.

We will enable healthier choices and embed wellbeing in urban design and through activations.

Innovative solutions to car parking

Outcomes

- Delink car parking from dwelling and unit titles in order to improve housing affordability and reduce car dependency.
- Delink parking from commercial/retail development to encourage public and active transport.
- Sustainable vehicles prioritised; car share and electric vehicles and planning for autonomous vehicles.
- Advocate for removal of minimum parking requirements (residential).
- Public charging stations for electric vehicles accessible in precinct.
- Multipurpose use of kerbside areas.

2025 Target

- **Progressive reduction in car parking provision at new residential developments, towards a maximum of 0.5 carparks per apartment by 2025.**
- **Vehicle charging facilities accessible at all new developments.**
- **New high-rise development car parks designed for adaptive reuse.**

2022 priority actions

- Advocate for flexibility and innovation in policy and planning controls to enable:
- Flexible management of kerbside areas for mobility, placemaking, car share, loading and delivery in addition to on-street parking.
 - Delinking car parks from dwellings and commercial, so apartments can be purchased/leased separately for all new developments.
 - Enable parking offsets as an alternative to parking provision (contribute to shared parking structure) for all new developments.
 - Collaborate on a strategy to encourage car-sharing and support emerging transport technologies.

Healthy active living and sustainable transport

Outcomes

- A compact, liveable city with less congestion with design informed by Canberra's transport network structure.
- Improved quality, design and connectivity of the public and private realm to encourage walking, cycling and public transport as a first choice over car use for short trips.
- Shady and welcoming streets with generous space for people and cyclists. The experience of walking is more enjoyable.
- The community is supported to adopt healthy active living habits for all ages.
- Public places help to improve wellbeing.
- Public places that support incidental recreation and sports activities.

2025 Target

- **Walk Score of 90+**
- **Reduction in the share of short distance trips made by car.**
- **40% of travel to work in the precinct made by active travel including public transport:**
 - 10% walking
 - 10% cycling
 - 20% public transport
- **Progressive increase in the number and scale of end-of trip cycle facilities at workplaces and new developments.**
- **Priority cycle and pedestrian routes to aim for 50% tree canopy shade¹.**
- **Child and age friendly city design outcomes enabled through public space upgrades.**

2022 priority actions

- Collaborate on initiatives to increase healthy active living, recreational activity and encourage healthier food choices, community gardens and the uptake of active travel
- Trial and establish car free days and healthy active living events and spaces, like 'smoke free places'.
- Develop the Place Success Dashboard to integrate transit and wellbeing scores (walk, cycle, public transport), travel behaviour data and assets like end-of- trip facilities.
- Collaborate to develop capital works projects to improve public space (roads, shared paths, parks):
- Prioritise walking and cycling over driving.
- Reduce rat-running and slow motor vehicle traffic on local streets.
- Strategic cycle and walking network routes.

¹ Measured at 20 years' growth. Aligned to Canberra's Living Infrastructure Plan – Cooling the city 2019

Useful links

CLIMATE CHANGE:

www.environment.act.gov.au/cc

ACT Climate Change Strategy 2019-2025
Canberra's Living Infrastructure Plan: Cooling city
ACT's Transition to Zero Emissions Vehicles Action Plan 2018-21

WATER:

www.environment.act.gov.au/water

ACT Water Strategy ACT Healthy Waterways
ACT Practice Guide Water Sensitive Urban Design
Sullivan's Creek and Inner North Reticulation Network

PLANNING:

www.planning.act.gov.au/act-planning-strategy

City and Gateway Urban Design Framework
National Capital Design Review Panel
ACT Planning Strategy 2018
Active Living Principles
Minister's Statement of Planning Intent, 2015
Territory Plan (WSUD Code, Development Control Code for Best Practice Waste Management in ACT, Bicycle Parking Code).
National Capital Plan
ACT Infrastructure Plan

HOUSING:

www.act.gov.au/homes-housing

ACT Housing Strategy
Demonstration Housing project

TRANSPORT:

www.transport.act.gov.au/act-transport-strategy

ACT Transport Strategy 2020
Active Travel Framework
City Parking policy

HEALTH:

<https://health.act.gov.au/about-our-health-system/population-health>

Healthy Canberra: ACT Preventative Health Plan 2020-2025

WELLBEING:

<https://www.act.gov.au/wellbeing>

ACT Wellbeing Framework 2020

WASTE:

www.cityservices.act.gov.au/recyclopaedia/canberras-recycling-story

Waste Management Strategy 2011-25 Development Control Code – Waste Best Practice Waste and Recycling Management Plans
ACT Government Sustainable Procurement

NATURAL ENVIRONMENT:

www.environment.act.gov.au/nature

Nature Conservation Strategy Commissioner for Sustainability and the Environment, ACT State of the Environment Report

10th Parliamentary Agreement 2020

EPSDD Reconciliation Action Plan 2019-2021

Other useful tools and links:

UN Sustainable Development Goals

<https://sdgs.un.org/goals>

Low Carbon Living CRC, Guide to Urban Cooling Strategies 2017

www.lowcarbonlivingcrc.com.au

CSIRO Mapping Surface Urban Heat in Canberra 2018

www.environment.act.gov.au

ASBEC Building Code Trajectory Project ASBEC Low Carbon High Performance report

www.asbec.asn.au

City of Melbourne Sustainable Design Assessment and Sustainable Design Scorecard

www.melbourne.vic.gov.au

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