



FREEDOM OF INFORMATION COVERSHEET

The following information is provided pursuant to section 28 of the *Freedom of Information Act 2016*.

FOI reference: 23-140

Information to be published	Status
1. Access application	Published
2. Decision notice	Published
3. Schedule	Published
4. Documents	Published
5. Additional information identified	Not Applicable
6. Fees	Not Applicable
7. Processing time (in working days)	53 days
8. Decision made by Ombudsman	Not applicable
9. Additional information identified by Ombudsman	Not applicable
10. Decision made by ACAT	Not applicable

11. Additional information identified by ACAT	Not applicable
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Freedom of Information - Access Application to Transport Canberra and City Services - Submission confirmation

Your submission has been successful. Please keep a copy of this receipt for your records.

Date and time

Reference code

20 Nov 2023 1:35:57 PM

FBKD4GDK

Transport Canberra and City Services (TCCS)

GPO Box 158
Canberra ACT 2601

Phone: 02 6207 2987

Email: TCCS.FOI@act.gov.au

Applicant details

Title

Given name

Family name

Preferred name

Preferred method of contact

Phone

Email

Post

Contact phone number

Contact email address

Contact postal address

Address line 1

Address line 2

Suburb

State

Postcode

Preferred method to receive information *

Email

Post

Same as contact email address

Information request

Who are you making the request on behalf of?

What type of information are you requesting access to? *

What information are you requesting access to under the Act? *

On page 97 of the Transport Canberra and City Services 2021-2022 Annual Report it was advised that 'A series of executive sustainability meetings were held with individual business areas in 2021-2022 with a focus on intensifying existing and potential sustainable pursuits across the Directorate. An Emission Reduction Working Group will be established in 2022-2023 to continue to work collaboratively, share ideas and centralise efforts.'

I am requesting access to any meeting minutes, agendas, terms of reference of the Emission Reduction Working Group and briefings to the Minister for Transport and City Services or Director-General of Transport Canberra and City Services relating to the "Emissions reduction working group".

Attach a description or additional details about the information you are requesting access to (optional)

Do you have a similar or identical request currently under review by another ACT Government Directorate?

Yes No

Are you enquiring as

[Redacted]

Provide a statement about how the release of information is in the public interest (optional)

[Redacted]

Would you like to provide any additional information? (optional)

[Redacted]

Attach additional documents to support your application (optional)



ACT
Government

Transport Canberra and
City Services

Official



Dear 

Freedom of Information Request - Reference 23-140

I refer to your application for access to government information received by Transport Canberra and City Services (TCCS) on 20 November 2023. It is my understanding that you are seeking access to the following government information:

“any meeting minutes, agendas, terms of reference of the Emission Reduction Working Group and briefings to the Minister for Transport and City Services or Director-General of Transport Canberra and City Services relating to the “Emissions reduction working group”.

Timeframes

A decision was due on your application by 4 January 2024. I thank you for agreeing to an extension until 7 February 2024.

Decision on access

A search of records held by TCCS has been completed and 12 relevant records have been identified as relevant to your application.

In reviewing these records, it was identified that one of these records relate to an answer to a question on notice which is publicly available. In accordance with the FOI Act I have refused to deal with your application where it applies to these records and links to the online publications have been included in the schedule at Attachment A.

Upon reviewing the information within the relevant records and applying the public interest test under section 17 of the FOI Act, I have decided to provide you with partial access. Reasons for my decision are detailed in the statement of reasons.

The records identified as relevant to your application are listed in the schedule enclosed at Attachment A. A copy of the records with deletions applied to the information I have found to be contrary to the public interest is enclosed at Attachment B.

Statement of Reasons

In making my decision on disclosing the relevant government information, I must identify all relevant factors in schedule 1 and 2 of the FOI Act and determine, on balance, where the public interest lies. I have taken the following into account:

- The FOI Act; and
- The *Human Rights Act 2016*.

TCCS.FOI@act.gov.au | phone: (02) 620 72987 | www.act.gov.au

Schedule 1:

- Schedule 1.6 – Cabinet information

Schedule 2:**Factors favouring disclosure (Schedule 2.1)**

- Schedule 2.1(a)(i) - promote open discussion of public affairs and enhance the government's accountability; and
- Schedule 2.1(a)(iv) - ensure effective oversight of expenditure of public funds.

Factors favouring non-disclosure (Schedule 2.2)

- Schedule 2.2(a)(ii) - prejudice the protection of an individual's right to privacy or any other right under the *Human Rights Act 2016*.
- Schedule 2.2(a)(xvi) - prejudice a deliberative process of government.

In reviewing the relevant records, I have identified some information that relates to information that is cabinet information which is not purely factual. I find that schedule 1.6 of the FOI Act applies to this information, in which disclosure is deemed contrary to the public interest.

In reviewing the remaining relevant information, I have identified third party personal information, including direct phone numbers. I have considered that this information is not readily available to the public and the disclosure of this information is likely to prejudice the protection of an individual's right to privacy under the *Human Rights Act 2004*. I have attributed significant weight to this factor and find the disclosure of personal information to be, on balance, contrary to the public interest.

I have also identified information that has been prepared for or relates to an ongoing government deliberative process such as future budget considerations. I have considered that the disclosure of this information at this time is likely to prejudice those processes, including future deliberations by Cabinet. I have placed significant weight on this factor and find this information is, on balance, contrary to the public interest to disclose.

I have found that the factors favouring disclosure can be satisfied with the deletion of information which is contrary to the public interest. A copy of the relevant information is enclosed at [Attachments B to D](#).

Charges

In accordance with section 107 of the FOI Act no fees are applicable to your application.

Online publishing – disclosure log

Under section 28 of the FOI Act, TCCS maintains an online record of access applications called a disclosure log. Your access application and this notice of decision will be published on the disclosure log within 3 – 10 business days. Your personal information will be removed from these documents prior to publication.

Ombudsman review

My decision on your access request is a reviewable decision as identified in Schedule 3 of the FOI Act. You have the right to seek Ombudsman review of this outcome under section 73 of the FOI Act.

Act within 20 working days from the day that my decision is published in TCCS' disclosure log, or a longer period allowed by the Ombudsman. If you wish to request a review of my decision you may write to the Ombudsman at:

The ACT Ombudsman
GPO Box 442
CANBERRA ACT 2601
via email: ombudsman@ombudsman.gov.au

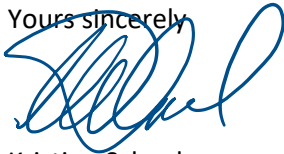
ACT Civil and Administrative Tribunal (ACAT) review

Under section 84 of the Act, if a decision is made under section 82(1) on an Ombudsman review, you may apply to the ACAT for review of the Ombudsman decision. Further information may be obtained from the ACAT at:

ACT Civil and Administrative Tribunal
Level 4, 1 Moore Street
GPO Box 370
CANBERRA CITY ACT 2601
Telephone: (02) 6207 1740
www.acat.act.gov.au

If you have any queries concerning the directorate's processing of your request, or would like further information, please contact the TCCS FOI team on (02) 6207 2987 or email tccs.foi@act.gov.au.

Yours sincerely



Kristine Scheul
Information Officer

7 February 2024

ATTACHMENT A - ACCESS APPLICATION SCHEDULE, FREEDOM OF INFORMATION

Reference Number: 23-140

Please be aware that under the *Freedom of Information Act 2016*, some of the information provided to you will be released to the public through the ACT Government's Open Access Scheme. The Open Access release status column of the table below indicates what documents are intended for release online through open access.

Personal information or business affairs information will not be made available under this policy. If you think the content of your request would contain such information, please inform the contact officer immediately.

Information about what is published on open access is available online at: https://www.cityservices.act.gov.au/about-us/freedom_of_information/disclosure-log

Factors favouring non-disclosure:

Schedule 1.6 – Cabinet Information.

Schedule 2.2(a)(ii) - prejudice the protection of an individual's right to privacy or any other right under the *Human Rights Act 2016*.

Schedule 2.2(a)(xvi) - prejudice a deliberative process of government.

Reference number	Page number	Description	Date	Status	Reason for non-release or deferral	Open Access release status
1	1	Terms of Reference - TCCS Emission Reduction Working Group	2023	Full release	Not applicable	Decision to be published on the TCCS Disclosure Log .
2	3	Meeting 1 - TCCS Emission Reduction Working Group Agenda	December 2022	Full access	Not applicable	
3	5	Meeting 1 - TCCS Meeting Minutes	16 December 2022	Partial access	Schedule 2.2(a)(xvi) Schedule 1.6	

4	8	Meeting 1 - Attachment 1- TCCS PowerPoint - Emission Reduction Working Group	December 2022	Full access	Not applicable
5	13	Meeting 1 - Attachment 2 - 999 SUPERCEDED - TCCS Climate Change Register_1.0.0_19.12.2022	19 December 2022	Partial access	Schedule 2.2(a)(xvi) Schedule 1.6
6	38	Meeting 1 - Attachment 3 - Terms of Reference draft - TCCS Emission Reduction Working Group - For Review	December 2022	Full access	Not applicable
7	40	Meeting 2 - TCCS Emission Reduction Working Group Agenda	February 2023	Full access	Not applicable
8	41	Meeting 2 - TCCS Meeting Minutes 2 - approved	7 February 2023	Partial access	Schedule 2.2(a)(xvi) Schedule 1.6
9	44	Meeting 3 - TCCS Emission Reduction Working Group Agenda	June 2023	Full access	Not applicable
10	45	Meeting 3 - TCCS Meeting Minutes 3 - Draft	June 2023	Full access	Not applicable
11	49	Meeting 3 - Presentation_ AFMA Conference	July 2021	Partial access	Schedule 2.2(a)(ii)
12	-	QON PTCS 04 - Response - Clay - TCCS Emissions Reduction Working Group	9 November 2022	-	Available here

Total number of documents: 12

OFFICIAL



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TCCS EMISSION REDUCTION WORKING GROUP

Terms of Reference

Purpose

1. The purpose of the TCCS Emission Reduction Working Group is to:
 - a. provide consolidated advice from relevant TCCS business units on emission reduction activities;
 - b. provide input and/or reporting as required in accordance with relevant emission reduction and climate change policies and programs;
 - c. maintain the TCCS Climate Change Register; and
 - d. discuss issues and share information on emissions reduction activities and/or outcomes from industry, cross-directorate and/or whole of government climate related forums.

Membership

2. The Working Group will comprise members who are responsible for delivering actions as defined in the Parliamentary and Governing Agreement for the 10th Legislative Assembly; Climate Change Strategy; the Zero Emission Government Framework; Canberra's Living Infrastructure Plan; ACT's Zero Emissions Vehicles Strategy 2022-30; Zero Emission Government Facility Guidelines and other ACT Government Policy relating to emission reduction activities.
3. Membership of the Working Group can be found at [Attachment A](#) and will be updated as needed by the secretariat.

Roles and Responsibilities

4. The Working Group will:
 - a. Act on its purposes.
 - b. Monitor TCCS contributions to ACT Government's climate change policies as noted in Point 2.
 - c. Maintain a list of TCCS membership to ACT Government climate change working groups and/or committee's delivering on emission reduction activities, including updating members and keeping abreast of activities and actions being delivered through these groups.
 - d. Draw on experience, share success stories and work collaboratively to advance emission saving opportunities across the Directorate.
 - e. Review and/or input to relevant emission related documents, when required.
 - f. The Working Group does not have a financial delegation.

Reporting Requirement

5. There are regular and existing reporting mechanisms across TCCS and Whole of Government.
6. In addition to these the Chair provides meeting minutes directly to the Executive Branch Manager, Governance and Ministerial Services, and briefings will be provided to the TCCS Executive Board as required on the outcomes of this group.

Meeting Frequency

7. The working group will meet monthly, and review after six months.
8. In the interim, additional meetings can be scheduled as needed.

Secretariat

9. The Sustainability, Facilities and Fleet Unit will act as the secretariat and is responsible for organising meetings, taking meeting minutes and distributing any meeting papers five days in advance of the meeting.



Agenda

TCCS Emission Reduction Working Group

Meeting # 01		
Date	Tuesday, 13 December 2022	
Time	3pm – 4pm	
Venue	Teams meeting	
Chair	Trish Campbell	
Members		
Murray Nichol	MN	Strategic Policy and Programs
Justin Thompson	JT	GAMS
Satinder Sahota	SSa	GAMS
Shonah Stratton	SSt	Strategic Planning and Policy TC
Glenn Dougall	GD	Strategic Planning and Policy TC
Margaret Kitchin	MK	ACT NoWASTE
Shahrina Sharmin	SSh	Finance
Renee Riley	RR	Communications
Luke Halls	LH	City Presentation
Lauren Hendriks	LHe	Development Coordination Branch
Attendees		

Item No.	Time	Agenda Item	Action Officer	Requested Action
1	5min	Acknowledgement of Country <i>I wish to acknowledge the traditional custodians of the land we meet on, and pay my respect to their elders, both past and present.</i>	Chair	



Item No.	Time	Agenda Item	Action Officer	Requested Action
2	10min	Introduction and policy context	Chair	Presentation
3	10min	Terms of Reference	Chair	Review
4	10min	Climate Change Register	Chair	For input
5	15min	Standing items - updates <ul style="list-style-type: none">• Transport Canberra• NoWaste• Facilities• Fleet• Strategic Policy and Customer	All	For noting
6	10min	Other business	All	

Attachments

- 1 Terms of Reference



Minutes

Subject:	TCCS Emission Reduction Working Group Meeting # 1
Date:	20 December 2022
Location:	Teams
Prepared By:	Gil Librando and Trish Campbell

Members present

Attendees		
Trish Campbell	TC	Senior Director (Chair)
Gilbert Librando	GL	Secretariate
Satinder Sahota	SS	Director, Fleet Services
Shanoh Stratton	ShS	Zero Emission Project Manager
Margaret Kitchin	MK	Senior Director
Renee Riley	RR	Senior Director
Greg Pearce	GP	Building Manager
Tim Wyatt	TW	Senior Director
Murray Nichol	MN	Senior Director
Shahrina Sharmin	ShS	Finance Business Partner
Shane Kelly	SK	Business Manager
Apologies		
Justin Thompson	JT	Director, Facilities Unit
Glenn Dougall	GD	Senior Manager
Luke Hall	LH	Director Business Support
Lauren Hendriks	LaH	Assistant Director

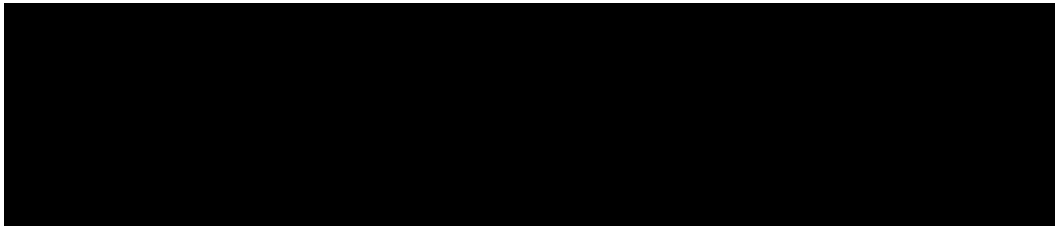
Decisions and actions

No.	Item
1	<p>Welcome and Apologies</p> <p>TC (Chair) welcomed all attendees and noted apologies.</p>



2	<p>Introduction & Policy Context</p> <p>TC provided a presentation (see Attachment 1).</p> <p>TCCS contributes to 60 action items across multiple climate change and emission related ACT Government policies. The purpose of the Working Group is to provide advice from relevant TCCS business units on emission reduction activities; maintain TCCS Climate Change Register; and provide input, reporting and/or collaborate on TCCS contributions to ACT Government emission reduction policies and programs.</p> <ul style="list-style-type: none"> Action 1.1 Secretariat to circulate presentation to members
3	<p>Term of Reference (ToR)</p> <p>The ToR were circulated to members prior to the meeting.</p> <ul style="list-style-type: none"> Action 1.2: Members to provide comments by 2 February 2022
4	<p>Climate Change Register</p> <p>TC provided members with an overview Power BI Climate Change Register dashboard as well as the data file (excel). The dashboard will provide strategic awareness and streamlined reporting of TCCS activities relating to emission reduction activities.</p> <ul style="list-style-type: none"> Action 1.3: Members to be provided access to Power BI dashboard Action 1.4: Members to provide secretariat with updates to Register data file
5	<p>Standing Items</p>
5.1	<p>Transport Canberra (TC)</p> <p>ShS provided update for TC</p> <ul style="list-style-type: none"> Arrival of first 12 BEB occurring this week 26 diesel buses are being leased to replace (orange) buses that are no longer DDA compliant Procurement for a further 90 BEB is underway TC is working with Evoenergy to enable charging capacity at Woden and Tuggeranong bus depots with a sub-station to be established at Wanniasa. Tuggeranong will have capacity of accommodating 12 BEB [REDACTED] and Woden will be able to accommodate 40 BEB in the first stage <p>[REDACTED]</p>
5.2	<p>NoWaste</p> <p>MK provided an update with a major procurement to commence in 2023.</p>



5.3	<p>Facilities</p> <p>TC provided an update for facilities including requirement for transitioning gas sites to electric under the Zero Emission Government Facilities Guidelines.</p> <ul style="list-style-type: none"> • Facilities are continuing work on an asset register capturing heating, ventilation and air conditioning systems across TCCS leased and owned sites in accordance with the Guidelines • Greg Pearce will be acting Justin’s position for January 2023
5.4	<p>Fleet</p> <p>SS provided an update for Fleet.</p> <ul style="list-style-type: none"> • Fleet size is currently over 500 vehicles (leased / owned) including over 70 sub-categories (17 major categories) to be transitioned to ZEV in the future • Fleet relies on funding support (eg zero emission government fund; social cost of carbon fund) to support trial of ZEV and have to-date trialed a rotary mower; an electric tipper truck; and and electric garbage compactor with a fully electric bus to be trialed in early 2023. Should the rotary mower on trial within Place Management prove successful, 21% of mowers could transition to ZE • One issue is that the majority of our depots are 40+ years old and have limited energy capacity which makes it difficult to fit out charging infrastructure • Currently have 20 charges across 13 different sites – 4 x 24 kW DC charges; 2 x 22 kW and 14 x 7 kW AC charges • Currently looking at a possible trial on Electric Compact Sweeper Scrubber which will replace the diesel version • Fleet Services are currently consulting with CMTEDD on Fleet Procurement and Management Policy (FPMP) which includes ACT Government owned home garaged Electric Vehicles
5.5	<p>Strategic Policy and Customer (SPC)</p> <p>MN provided an update for SPC.</p> 

Attachments

- 1 Presentation
- 2 Climate Change Action Register – data file
- 3 Draft Terms of Reference

July 2021

Transport Canberra and City Services

TCCS Emission Reduction Working Group – Meeting 1

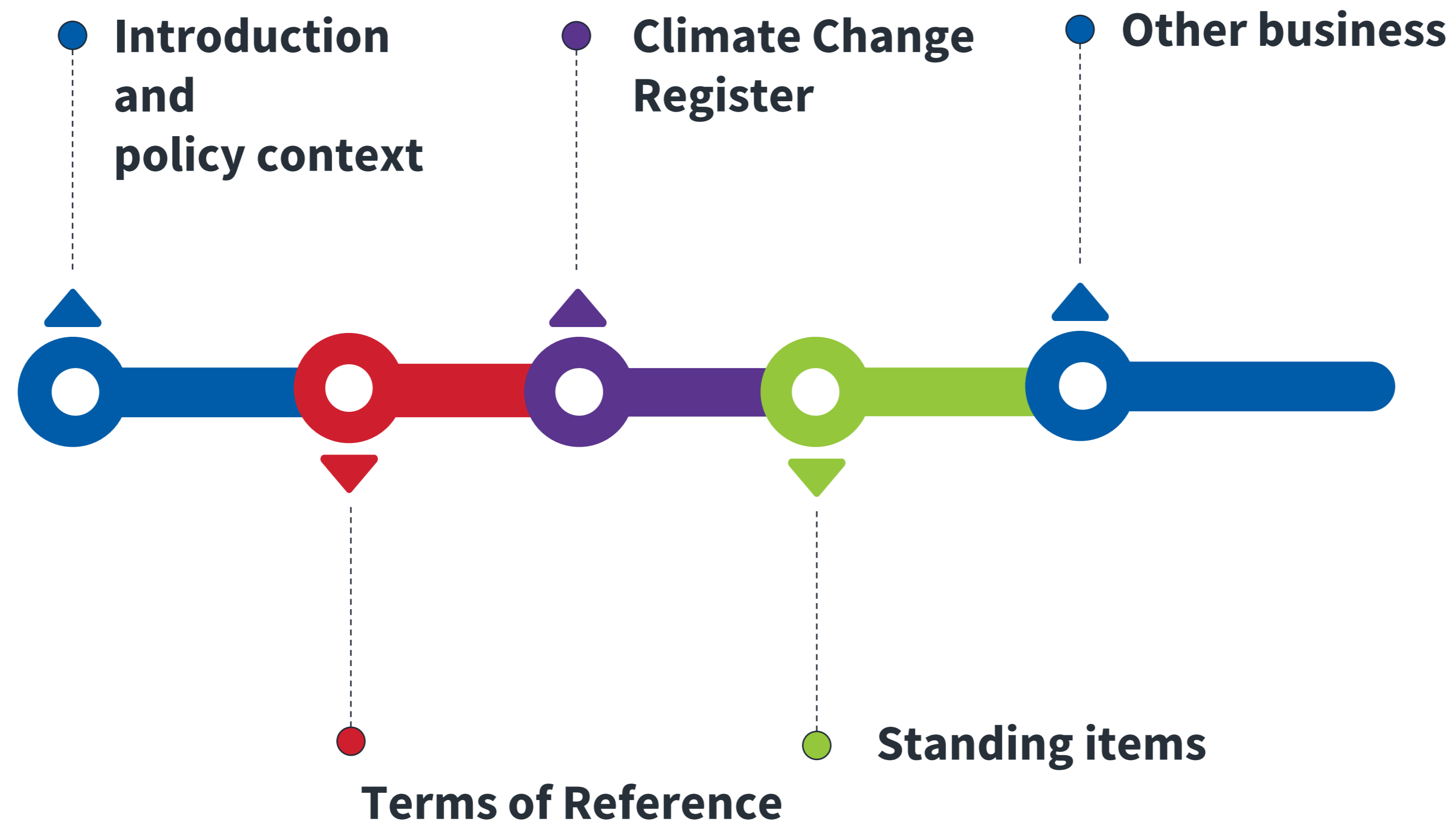


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Agenda



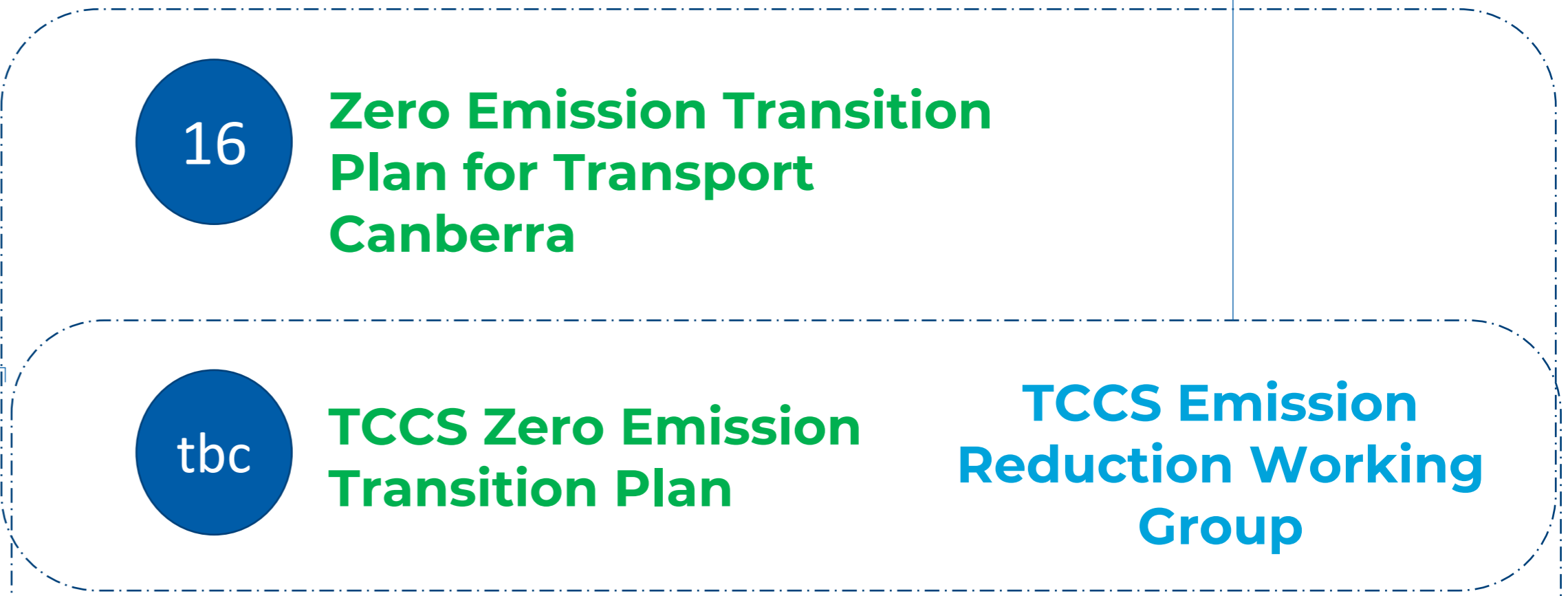
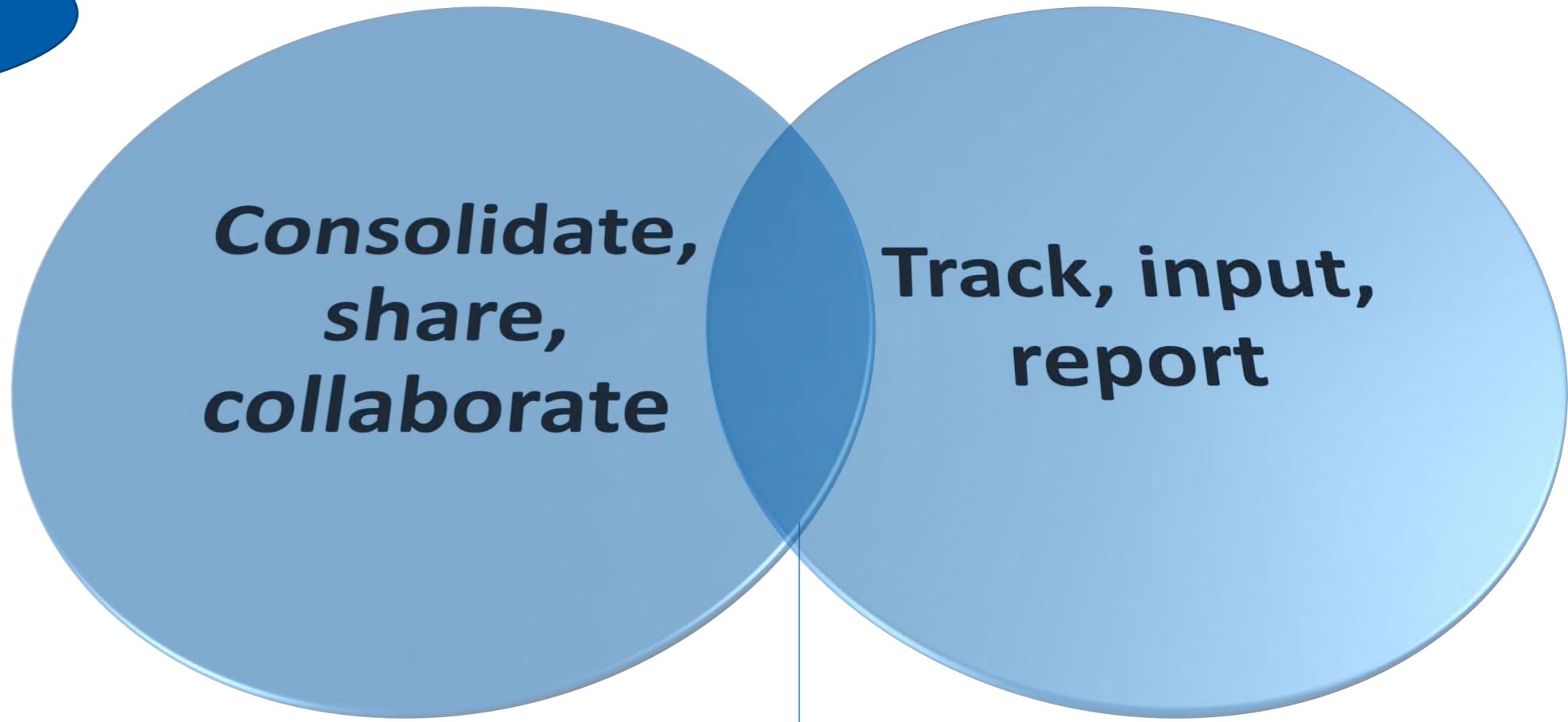
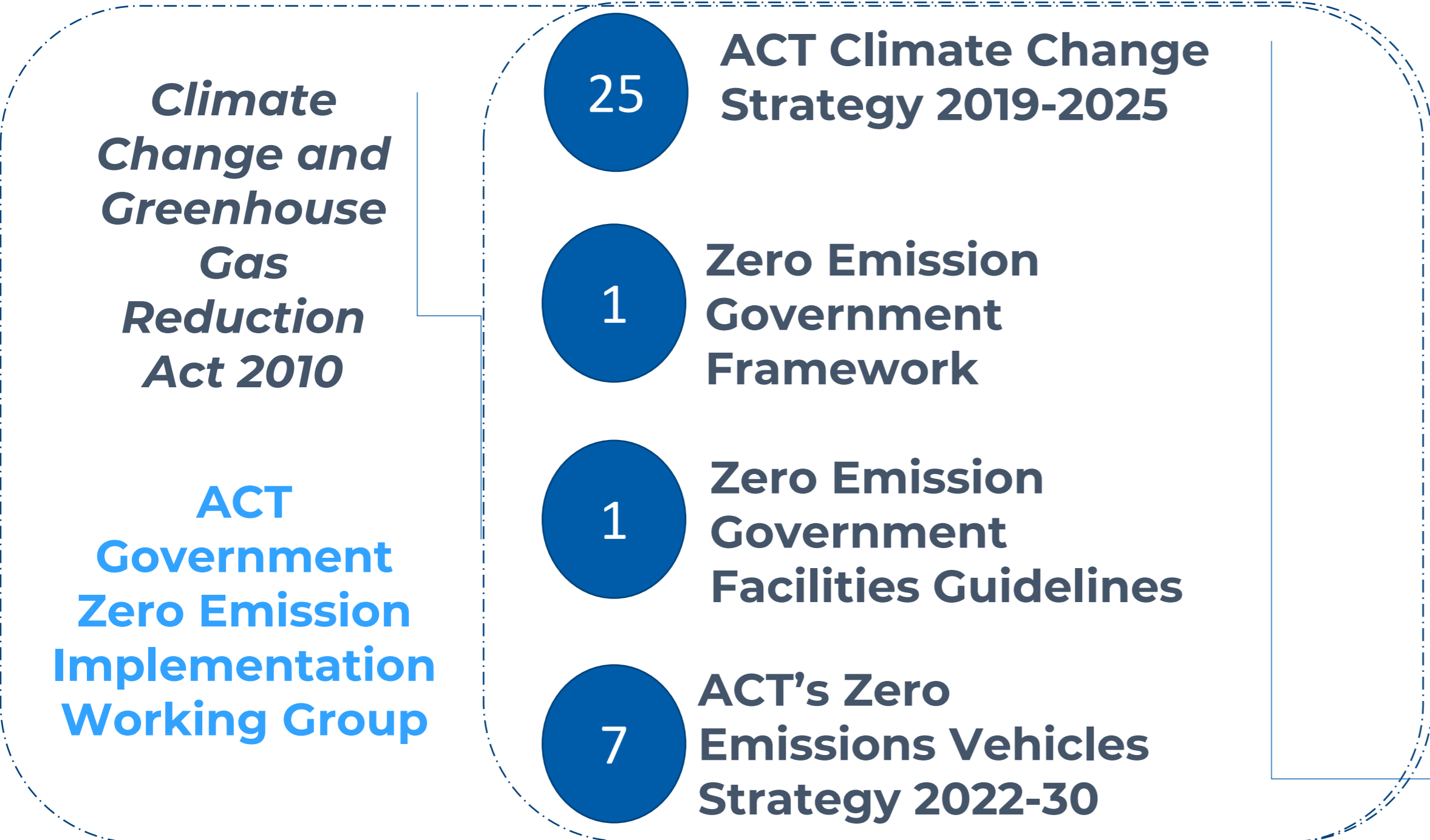


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Policy Context

>64 Actions



5 10th Legislative Assembly Parliamentary and Governing Agreement

6 Canberra's Living Infrastructure Plan

WhoG Adaptation Framework

tbc TCCS Climate Change Adaptation Plan



Terms of Reference

01

CONSOLIDATE EFFORTS

Provide a consolidated TCCS position and/or approach on emission reduction activities and provide input and/or reporting as required in accordance with relevant climate change policies and programs

02

INPUT AND REPORT

Provide input and/or reporting as required in accordance with relevant climate change policies and programs

03

TRACK ACTIONS

Maintain the TCCS Climate Change Register

04

COLLABORATE

Discuss issues and share information

Meeting frequency?

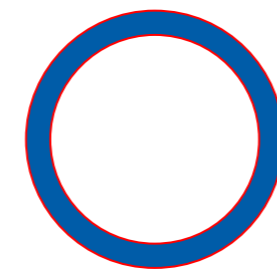


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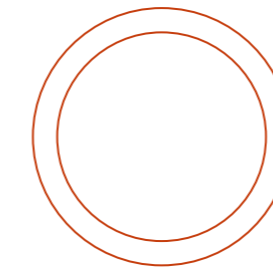


TCCS Climate Change Register

Strategically track and manage

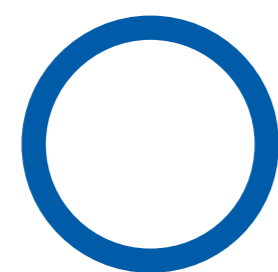


>64 Actions

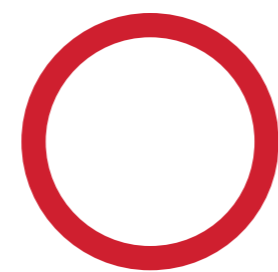


10 Policies
Programs

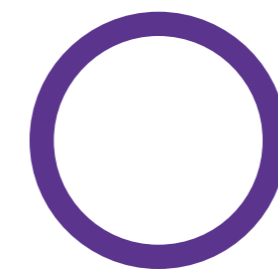
Streamline reporting processes and/or input to policies/programs



Quarterly
Climate Action
Sub-Committee Progress
Report



Annual
TCCS Annual Report,
TCCS Strategic Indicators,
Minister's Report for Climate
Change and Greenhouse Gas
Reduction Act,
ACT Wellbeing Framework



On request
QON's, Ministerials,
Cabinet briefs,
Advisory notes,
Request for input



Four Yearly
State of Environment Report

Policy	Policy (short)	Category A	Category B	Action/Indicator	Details	Open/closed	TCCS/Other	Business Area	Business Area 2	Date	Status Update	Wellbeing Framework Category
Zero Emission Government Facility Guidelines	ZEG Facility Guideline		Energy, buildings and urban		Directorates are required to develop and maintain a detailed register of all fossil-fuel consuming plant and equipment	In-progress	TCCS	Governance and Ministerial Services	GAMS	17/10/2022	Register completed for all sites, with exception to Gungahlin Cemetery	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy	Adaptation	Leadership, innovation, community/industry development	1.01	Expand the scope of the Community Zero Emissions Grants to support community projects that reduce emissions and/or increase resilience to climate change and prioritise projects that offer replicable solutions.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	1.02	Support and enable community action on climate change by providing tools and resources and recruiting a dedicated climate change community liaison in the Environment, Planning and Sustainable Development Directorate.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	1.03	Deliver the Actsmart programs to encourage and support community efforts to reduce emissions and improve sustainability outcomes.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	1.04	Enable community members to share ideas for ongoing improvements to the strategy via Government digital platforms.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	1.05	Work with the ACT Climate Change Council to encourage community participation in climate change initiatives.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy	Adaptation	Leadership, innovation, community/industry development	1.06	Work with the local Traditional Custodians and the Aboriginal and Torres Strait Islander community to integrate traditional knowledge into landscape management.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Status of threats to the natural environment
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	2.01	Partner with community service organisations to identify vulnerable and disengaged sectors of the community and implement measures to support their participation in shifting to net zero emissions	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	2.02	Engage with industry and workers to identify sectors likely to be affected by the transition to a net zero emissions economy and support re-training of workers where needed	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Transport	PAGA 1.A.2.iv	Implement a pathway for the ACT to use only zero emissions public transport, garbage trucks, taxi and rideshare vehicles by the mid-2030s - with no further purchase of non-zero emissions buses. Short-term leasing of buses to meet peak operational requirements is permitted.	In-progress	TCCS	Planning and Delivery, TC	GAMS	15/12/2022	TCCS has finalised the contract arrangements for the first tranche of battery electric buses which are expected to commence operation at the end of early 2023.	Greenhouse gas emissions

10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Transport	2.i	Engage with the ZEV industry and adopt an ambitious target for new ACT vehicle sales to be zero emission by 2030.	TBC	Other					Greenhouse gas emissions
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Transport	2.iv	Implement a pathway for the ACT to use only zero emissions public transport, garbage trucks, taxi and rideshare vehicles by the mid 2030s - with no further purchase of non-zero emissions buses. Short-term leasing of buses to meet peak operational requirements is permitted.	In-progress	TCCS	ACT NoWaste	ACT NoWaste	31/01/2023	Garbage trucks - will be considered in the household collections service	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.01	Expand the Actsmart Home, School and Business programs to include travel choices and integrate with the work of the Active Travel Office.	In-progress	TCCS	Strategic Policy and Customer	SPC		Coordinated on planning for Car Free Day 2022/23	Mode of transport for travel
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.02	Explore options for implementing a reward scheme for community members who increase their use of public transport and/or active travel.	Complete/BAU	TCCS	Strategic Policy and Customer	SPC			Mode of transport for travel
ACT Climate Change Strategy 2019-2025	CC Strategy	Adaptation	Transport	3.03	Plan for a compact and efficient city with improved access to sustainable transport options by delivering up to 70% of new housing within our existing town and group centres and along key transit corridors.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Satisfaction with transport choice
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.04	Prioritise improving public transport services and supporting infrastructure, including buses, light rail stage two and connecting services.	In-progress	TCCS	Planning and Delivery, TC	TC, PD	01/03/2021		Satisfaction with transport choice
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.05	Maximise accessibility to the rapid bus and light rail networks through feeder services and expanding the Park and Ride network.	In-progress	TCCS	Planning and Delivery, TC	TC, PD	01/03/2021		Ease of access to places

ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.06	Expand and promote the Active Travel Office and schools-based active travel initiatives.	In-progress	TCCS	Strategic Policy and Customer	SPC	24/11/2022	To support people to use the network, the ACT Government continues to deliver the schools program which makes walking and cycling to school safer and easier. It will commence other initiatives that encourage the switch to active travel including travel planning in workplaces and general education initiatives. A wayfinding strategy is being rolled out that includes maps, signage and pavement markings that make using the integrated network more seamless and intuitive. A new Road Safety Action Plan will explore slower speed limits in residential areas and the expansion of the community-led Slower Streets initiative will make local streets friendlier and more conducive to active travel.	Mode of transport for travel
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.07	Finalise an active travel strategic plan and update the Active Travel Framework to provide coordinated active travel networks across the Territory.	In-progress	TCCS	Strategic Policy and Customer	SPC	01/02/2023	The ACT Government released the draft Active Travel Plan and strategic cycle network and priority walking areas in August 2022 for public comment. This also includes the development of best practice infrastructure guidance for intersections and quick build infrastructure such as protected cycle lanes and place-making, to make streets more people friendly. The plan will be finalised by April 2023. and will assist in informing a pipeline of investment of supportive infrastructure such as paths, quick build interventions, shade and seating that will make active travel more attractive because it is safer, and more connected and comfortable.	Mode of transport for travel
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.08	Implement the Municipal Infrastructure Standards for Active Travel and develop best practice guidance for industry and stakeholders to inform better design outcomes for active travel infrastructure.	In-progress	TCCS	Strategic Policy and Customer	SPC	01/03/2021	Following the adoption and training for new infrastructure standards, TCCS is currently undertaking a review of MIS05 and the accompanying guidance. Lessons learned from recent active travel projects were incorporated in to ACT Standard Drawings in early 2021.	Mode of transport for travel
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.09	Prioritise walking and cycling and enhance active travel infrastructure to improve safety and connectivity of the active travel network.	In-progress	TCCS	Strategic Policy and Customer	SPC	01/03/2021	In the 2019-20, the ACT Government allocated \$24.9m to active travel infrastructure projects and a further \$11.1m in 2020-21 including economic stimulus funds. This investment is delivering strategic cycle network improvements, footpath upgrades and town centre improvements in Woden, Tuggeranong and Belconnen. It is also delivering age-friendly improvements in Aranda, Campbell, Holt, Isabella Plains, Narrabundah and Stirling and two new 'Bike and Ride' facilities. Projects funded through to 2020-21 are under construction.	Mode of transport for travel
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.10	Support bike share schemes and other measures to improve the effectiveness and accessibility of cycling as a 'last kilometre' solution.	In-progress	TCCS	Strategic Policy and Customer	SPC	01/02/2023	Dockless bikes and e-scooters operate in all town centres under public land use permits. An internal review will inform ongoing regulatory and transport planning decisions including consideration of whether to expand operation in other parts of Canberra. Two car share providers (GoGet and PopCar) commenced services in the ACT in 2018. GoGet has recently withdrawn from the market. PopCar continues to provide services in the ACT in a parking arrangement with the ACT Government. Car Next Door operates as a peer-to-peer service as part of the sharing economy but is not subject to any regulatory oversight.	Mode of transport for travel

ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.11	Finalise and implement the End-of-Trip Facilities General Code to encourage improved bicycle parking and end-of-trip facilities in commercial developments.	Complete/BAU	TCCS	Strategic Policy and Customer	SPC	01/03/2021	[The End-of-Trip Facilities General Code input from EPSDD] Better practice management guide in development to complement the code. Ideally these would be released together. However resources to complete the guide are yet to be identified.	Proximity to places that support wellbeing
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.12	Trial and evaluate innovative approaches to planning and development that prioritise active travel and public transport.	In-progress	Other	Strategic Policy and Customer	SPC	01/03/2020	Works are underway to develop new pedestrian tracks and shared path, and separate equestrian trail in Coombs along the Molonglo River Corridor extending the active travel link towards the city and inner south and eventually to Whitlam (Stage 1 Coombs due to be completed Jan 2020, Stage 2 North Coombs due mid 2020). Ginninderry Joint Venture is trialling mini buses to operate when residents first move in to the new suburb filling in the gap before the significant threshold for Action buses to operate (commencing from February 2020).	Mode of transport for travel
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.13	Implement car free days and consider car free areas, shared zones and traffic calmed streets.	In-progress	TCCS	Strategic Policy and Customer	SPC	01/03/2021	Car Free Days: EPSDD Traffic calmed streets: TCCS continues to explore ways to implement opportunities to increase the perceived and actual safety of streets to make them more welcoming and encourage people to use them to walk and cycle. Planning for the expansion of Slower Streets and exploring opportunities to deliver shared and calmed environments through infrastructure projects such as the Garden City Cycle Route.	Satisfaction with transport choice
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.14	Support car share schemes and transport-on-demand solutions across the ACT region.	Complete/BAU	TCCS	Strategic Policy and Customer	SPC	01/03/2021	The ACT Transport Strategy 2020 recognises the need for a strategic approach to the provision and management of parking. It further recognises the need to consider how new and innovative parking solutions can support a compact, efficient and sustainable city. Following the formation of the 10th Assembly, responsibility for parking policy and operations transferred across to TCCS. [REDACTED]	Mode of transport for travel
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.15	Investigate and implement options for encouraging a shift to public transport and active travel through planning and a smarter approach to parking.	In-progress	TCCS	Strategic Policy and Customer	SPC	01/03/2021	The ACT Transport Strategy 2020 was released in August 2020. The strategy includes a network structure that identifies central corridors where prioritising public transport, walking and cycling will move people and goods more efficiently.	Satisfaction with transport choice
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.16	Explore and implement new approaches to improving the productivity of key transport corridors through prioritisation of public transport and/or active travel.	In-progress	TCCS	Strategic Policy and Customer	SPC	01/03/2021	Transport Canberra is continuing investigations to improve customer information and passenger services with a new generation ticketing system to be procured in 2021-22, a PT customer strategy, as well as data analytics and surveys. TCCS will address this action by developing more detailed plans and policies to implement new approaches, based on the Movement and Place Framework. Early scoping work and workshops for the Movement and Place Framework has commenced. [REDACTED]	Mode of transport for travel

ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.17	Improve efficiency and usability of public transport through the adoption of emerging smart cities technologies such as smart street lights, congestion monitoring, real time data and optimisation of timetables to reduce journey times.	In-progress	TCCS	Strategic Policy and Customer	SPC	01/03/2021	In addition to the Belconnen Bikeway, Woden Cycle Loop and Tuggeranong Town Centre active travel improvements, TCCS continues to investigate options to reallocate road space for walking and cycling along the Canberra City-Queanbeyan cycle route. TCCS is also developing further guidance on Movement and Place and best practice infrastructure design to provide a framework for balancing competing demands for movement.	Satisfaction with transport choice
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.18	Investigate options for dedicating a greater proportion of road space and public realm space to sustainable transport modes.	In-progress	TCCS	Strategic Policy and Customer	SPC		The ACT Transport Strategy 2020 was released in August 2020. The strategy includes a network structure that identifies central corridors where prioritising public transport, walking and cycling will move people and goods more efficiently.	Mode of transport for travel
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.19	Consider options for reforming car registration fees to incentivise efficient road use	In-progress	TCCS	Strategic Policy and Customer	SPC	24/01/2023		Satisfaction with transport choice
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.2	Explore and trial financial incentives such as increased registration discounts, rebates and low interest loans to encourage the uptake of zero emissions vehicles and electric bikes.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Satisfaction with transport choice
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.01	Legislate a 100% renewable electricity target to continue from 2020.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.02	Develop and implement a Sustainable Energy Policy 2020–25 that sets out actions to deliver sustainable, affordable and reliable energy to the Territory and drives the continued development of the renewable energy industry in the ACT	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.03	Amend planning regulations to remove the mandating of reticulated gas in new suburbs.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.04	Conduct a campaign to support the transition from gas by highlighting electric options and savings opportunities to the ACT community	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions

ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.05	Develop a plan for achieving zero emissions from gas use by 2045, including setting timelines with appropriate transition periods for phasing out new and existing gas connections.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.06	Introduce mandatory disclosure of energy performance for all rental properties.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.07	By 2021 introduce legislation for staged minimum energy performance requirements for rental properties to come into force in 2022-23	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.08	Expand the Actsmart Home Energy Program to provide free, tailored in-home energy assessments for renters	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.09	Continue to upgrade to efficient electric appliances in existing public housing properties where technically feasible and assess the costs and benefits of shifting to all-electric public housing	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.1	Ensure all newly constructed public housing properties are all-electric (fitted with efficient electric appliances) from 2019	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.11	Continue to deliver the solar for low income program and investigate options for providing solar to public housing	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.12	Trial facilitating access to interest free loans or other innovative finance for gas to electric upgrades and deep retrofits of low income homes.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.13	Provide information and training tailored to first home buyers, home owners and owner-builders to support higher awareness of zero emissions, climate-wise homes.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.14	Facilitate demonstration projects showcasing zero (or negative) emissions climate-wise homes	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.15	Design, and commit to a timeframe for implementing, higher minimum energy performance and climate resilience standards for new buildings that will deliver efficient, zero emissions buildings	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.16	Provide information and facilitate education and training of developers and design and construction practitioners in zero emissions technologies and systems and climate-wise design.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions

ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.17	Develop a new residential energy assessment tool that adequately assesses the year-round thermal performance of buildings in the Canberra climate	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.18	Trial incentives and other measures to encourage all-electric, high efficiency apartment and commercial buildings	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.19	Expand the Energy Efficiency Improvement Scheme to increase support for low income priority households and further encourage a shift from gas to high efficiency electric appliances	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.2	Encourage the use of smart financing by medium and large businesses and organisations to support energy efficiency improvements, space heating upgrades and zero emissions vehicle fleets	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	4.21	Review planning regulations and identify opportunities to require sustainable, climate-wise built environment including through developing a Climate-wise Code.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy	Adaptation	Energy, buildings and urban development	4.22	Implement Canberra's Living Infrastructure Plan to work towards 30% urban canopy cover and 30% surface permeability, account for the value of living infrastructure and assess local needs for managing heat.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Tree canopy cover
ACT Climate Change Strategy 2019-2025	CC Strategy	Adaptation	Leadership, innovation, community/industry development	5.01	Reflect climate change projections and risk vulnerabilities in disaster and emergency prevention, preparedness, response and recovery, particularly for extreme heat, bushfire and flash flooding	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Emergency preparedness
ACT Climate Change Strategy 2019-2025	CC Strategy	Adaptation	Leadership, innovation, community/industry development	5.02	Encourage community preparedness for climate risks through targeted Emergency Services Agency outreach and the Actsmart sustainability programs.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Emergency preparedness
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.21	Implement the Zero Emissions Vehicles Action Plan 2018-21, explore opportunities to promote investment in public charging infrastructure, and identify new actions to support the uptake of zero emissions vehicles from 2021 onwards.	Complete/BAU	TCCS	Governance and Ministerial Services	GAMS			Greenhouse gas emissions

ACT Climate Change Strategy 2019-2025	CC Strategy	Adaptation	Leadership, innovation, community/industry development	5.04	Implement a user-friendly sustainable procurement approach for goods and services and capital works that ensures greenhouse gas and adaptation outcomes are considered in all procurement decisions.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy	Adaptation	Leadership, innovation, community/industry development	5.05	Ensure the social cost of carbon and climate change adaptation outcomes are considered in all ACT Government policies, budget decisions, capital works projects and procurements	In-progress	Other			01/03/2020	Work has commenced between EPSDD and CMTEDD to determine how the Social Cost of Carbon can be considered in finance, procurement and works processes.	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	5.06	Ensure all new Government capital works with a budget of more than \$10 million either seek or are consistent with an independent sustainability rating such as an Infrastructure Sustainability rating from the Infrastructure Sustainability Council of Australia (ISCA), or a Greenstar rating from the Green Building Council of Australia or equivalent, and review ratings at least every five years.	Complete/BAU	Other			01/03/2020	As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	5.07	Foster partnerships with sub-national governments and non government organisations locally, nationally and internationally to promote climate action and increased ambition	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	5.08	Join the Global Green and Healthy Hospitals network to improve sustainability performance and reduce emissions from ACT Health facilities	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.22	Amend road rules to facilitate the safe use of new sustainable personal mobility options, such as electric scooters.	Complete/BAU	TCCS	Strategic Policy and Customer	SPC			Mode of transport for travel
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	5.1	Establish and implement a pathway to a zero emissions ACT Government health sector by 2040 informed by an assessment of all current and planned public health facilities	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	5.11	Invest an interim price of \$20 per tonne of emissions from Government operations into measures to meet the Zero Emissions Government target from 2020-21, and arrange for an independent body to develop a social cost of carbon for application from 2025.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	5.12	Establish a pathway to zero emissions ACT Government schools supported by an interim emissions reduction plan to 2025	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	5.13	Ensure all newly built or newly leased Government buildings and facilities are all-electric and climate-wise (where fit for purpose).	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions

ACT Climate Change Strategy 2019-2025	CC Strategy		Energy, buildings and urban development	5.14	Replace all space and water heating systems in Government facilities with electric systems at the end of their economic lives (where fit for purpose)	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	3.23	Investigate regulatory options to drive the transition to zero emissions commercial vehicle fleets.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Mode of transport for travel
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	5.16	Investigate the use of innovative finance options such as Energy Performance Contracting as a method of reducing costs and emissions in Government assets	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	6.01	Support food rescue organisations to avoid food waste.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Circular economy (waste)
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	6.02	Implement the Actsmart programs and household waste education programs to reduce waste generation and increase recycling	In-progress	TCCS	ACT NoWaste	ACT NoWaste		Work is ongoing in this space. Updates include: full website review to ensure material is accessible, relevant and culturally appropriate. An engagement plan is planned to specifically work with MUD's and partnerships within government are being strengthened.	Circular economy (waste)
ACT Climate Change Strategy 2019-2025	CC Strategy		Waste avoidance and management	6.03	Introduce a food and garden waste collection for all households (including multi-unit dwellings) from 2023, and support with an education program from 2020.	In-progress	TCCS	ACT NoWaste	ACT NoWaste	31/01/2023	Work continues on the planning for Food Organics and Garden Organics (FOGO) collection and processing, including work to identify and secure a site for FOGO waste processing in the ACT. The summer phase of the Love Food Hate Waste campaign raised awareness of food waste and a Household Food Waste Challenge campaign was launched in April 2021.	Circular economy (waste)
ACT Climate Change Strategy 2019-2025	CC Strategy		Waste avoidance and management	6.04	Develop and consult on a scheme for requiring large organic waste producers such as hospitality and food retail businesses to have a separate organic waste collection.	In-progress	TCCS	ACT NoWaste	ACT NoWaste	01/03/2021		Circular economy (waste)
ACT Climate Change Strategy 2019-2025	CC Strategy		Waste avoidance and management	6.05	Identify opportunities to reduce emissions from organic waste treatment including sewage such as through the use of anaerobic digestion and composting, and investigate potential sites for organic waste processing.	In-progress	TCCS	ACT NoWaste	ACT NoWaste	31/01/2023		Circular economy (waste)

ACT Climate Change Strategy 2019-2025	CC Strategy	Adaptation	Land use and biodiversity	7.01	Identify opportunities to increase resilience of terrestrial and aquatic habitats at risk from climate change and implement land management changes and relevant on-ground works with delivery partners.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Ecosystem condition
ACT Climate Change Strategy 2019-2025	CC Strategy	Adaptation	Land use and biodiversity	7.02	Ensure action plans for threatened species and communities consider the impact of climate change.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Status of threats to the natural environment
ACT Climate Change Strategy 2019-2025	CC Strategy	Adaptation	Land use and biodiversity	7.03	Identify suitable sites in the ACT for 'carbon sinks' and develop a plan for planting trees or using soil carbon in these areas to sequester carbon with consideration of biodiversity outcomes and competing land uses.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy	Adaptation	Land use and biodiversity	7.04	Encourage sustainable farming practices which are fit for the current and future climate and enhance soil and water quality, and work with farmers to identify opportunities for net zero emissions farming and innovation to increase resilience	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	8.01	Work with industry to support innovation, research and partnerships that will enable and accelerate the transition to a net zero emissions economy.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Monitor, evaluate, report	9.01	Improve data capture, integration and sharing across Government to enable accurate tracking and reporting of progress.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Monitor, evaluate, report	9.02	Collect and report ACT travel data at least every two years on a range of journey types	In-progress	TCCS	Strategic Policy and Customer	SPC			Mode of transport for travel
ACT Climate Change Strategy 2019-2025	CC Strategy	Adaptation	Monitor, evaluate, report	9.03	Collect and report data to monitor progress against resilience indicators, including continuation of the longitudinal survey and climate-related health impacts and costs.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Leadership, innovation, community/industry development	10.01	Investigate opportunities for implementation of negative emissions technologies in, or supported by, the ACT	Yet to commence	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
Canberra's Living Infrastructure Plan: Cooling the City	LIP	Adaptation	Monitor, evaluate, report	Action 1	Expand existing asset management system: Complete inventory and mapping of living infrastructure and expand the public urban infrastructure asset management system to include urban living infrastructure to inform investment decision making, whilst investigating steps to implement an accounting framework, such as the United Nations System of Environmental Economic Accounting (SEEA), to value urban living infrastructure.	In-progress	TCCS	City Presentation	CP	24/11/2022	The completed urban tree asset register individually identifies over 809,000 public urban street and open space trees on the TCCS estates, unleased land and residential verges. In addition, permeable paving, soil cells and irrigation systems are captured.	Ecosystem condition

Canberra's Living Infrastructure Plan: Cooling the City	LIP	Adaptation	Land use and biodiversity	Action 2	Living infrastructure targets: Achieve 30% tree canopy cover (or equivalent) and 30% permeable surfaces in Canberra's urban footprint by 2045.	In-progress	TCCS	City Presentation	CP	24/11/2022	A baseline and methodology have been established for assessing tree canopy cover. In 2021-22, more than 10,000 trees were planted in streets and parks on public unleased land as part of the TCCS City Services' tree planting program.	Tree canopy cover
Canberra's Living Infrastructure Plan: Cooling the City	LIP	Adaptation	Energy, buildings and urban development	Action 3	Microclimate assessment guide: Prepare a Microclimate Assessment Guide and mandate its use to inform policy and forward planning studies for centres, urban renewal projects and urban intensification precincts, with initial assessment of priority locations to inform a city cooling works program.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Ecosystem condition
Canberra's Living Infrastructure Plan: Cooling the City	LIP	Adaptation	Energy, buildings and urban development	Action 4	Microclimate assessment program: Introduce requirement(s) for microclimate assessments of significant developments located in centres, urban renewal projects and urban intensification precincts, to assist with development assessment.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Ecosystem condition
Canberra's Living Infrastructure Plan: Cooling the City	LIP	Adaptation	Land use and biodiversity	Action 5	Climate-wise landscaping guide: Prepare a guide for use by the community and built environment professionals to support effective landscape plans, and increase the opportunity for healthy, climate resilient and biodiverse gardens and public lands.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Ecosystem condition
Canberra's Living Infrastructure Plan: Cooling the City	LIP		Energy, buildings and urban development	Action 6	Landscape plans: Require multi-dwelling, mixed use and commercial development applications (DA) to have landscape plans that demonstrate how surface treatments and tree canopy cover targets will be met, and change the processes for certification of DA compliance accordingly.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Ecosystem condition
Canberra's Living Infrastructure Plan: Cooling the City	LIP		Leadership, innovation, community/industry development	Action 7	Actsmart Programs: Expand Actsmart web-based information and programs to incorporate the Climate-wise Landscape Guide to encourage and support community efforts to improve sustainability outcomes.	Yet to commence	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Ecosystem condition
Canberra's Living Infrastructure Plan: Cooling the City	LIP	Adaptation	Land use and biodiversity	Action 8	Landscape plans: Review and update the ACT Tree Protection Act 2005 to ensure consistency with the objectives of the Plan and suitability to Canberra's changing climate.	In-progress	TCCS	Strategic Policy and Customer	SPC	24/01/2023	The Tree Protection Act has been reviewed and public consultation on the Draft Urban Forest Bill 2022 (to replace the Tree Protection Act) has concluded.	Ecosystem condition
Canberra's Living Infrastructure Plan: Cooling the City	LIP	Adaptation	Land use and biodiversity	Action 9	Develop Urban Forest Strategy: Develop a strategic plan for the public urban forest that outlines how the urban forest can be maintained and enhanced to improve amenity in a changing climate and deliver biodiversity outcomes.	Complete/BAU	TCCS	Urban Treescapes	UT	24/11/2022	The Urban Forest Strategy was launched in March 2021.	Ecosystem condition
Canberra's Living Infrastructure Plan: Cooling the City	LIP	Adaptation	Energy, buildings and urban development	Action 10	City cooling program: Trial city cooling initiatives in high priority locations.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Heatwave resilience

Canberra's Living Infrastructure Plan: Cooling the City	LIP	Adaptation	Energy, buildings and urban development	Action 11	'Oasis' Program: Trial local park upgrades in high priority locations including watered grass, trees, seats, lights and drinking fountains.	In-progress	TCCS	City Presentation	CP	24/11/2022	The Whitlam Living Infrastructure Demonstration Precinct was completed in June 2022 by SLA in partnership with TCCS and EPSDD. The established trees, plants and garden beds, 3 types of gutter treatments designed to re-direct water into gardens and 4 permeable driveways. Plantings have been increased along key walking and cycling routes, open spaces and community places including shops and schools and micropark 'Oasis' trials have been undertaken. City Walk has been transformed by garden beds with 3,000 plants, street furniture, tree planting and 635 square metres of lawn. A trial of Water Sensitive Urban Design (WSUD) Jamison Carpark is underway and involves installation of water retention system that supports tree health and growth, provides localised stormwater treatment and reduces the need for supplementary watering of trees.	Heatwave resilience
Canberra's Living Infrastructure Plan: Cooling the City	LIP	Adaptation	Energy, buildings and urban development	Action 12	Shadeways Program: Support the amenity and safety of active travel on trunk cycle and pedestrian routes with tree canopy shade and water points at key destinations.	In-progress	TCCS	City Presentation	CP	24/11/2022		Heatwave resilience
Canberra's Living Infrastructure Plan: Cooling the City	LIP		Energy, buildings and urban development	Action 13	Demonstration Projects: Showcase best practice climate-wise design through display houses and exhibition sites in Government projects.	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
Canberra's Living Infrastructure Plan: Cooling the City	LIP	Adaptation	Energy, buildings and urban development	Action 14	Water sensitive urban design: Support trials and demonstration projects to retrofit infrastructure to allow hydration of open spaces using stormwater.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Catchment health
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	5.03	Reduce staff travel needs by co-locating staff in centralised offices, providing facilities for teleconferencing, exploring co-working hubs and supporting flexible work arrangements and explore incentives to support staff use of public transport and active travel.	In-progress	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Mode of transport for travel
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	5.09	Develop and implement a roadmap for transitioning Transport Canberra buses to zero emissions by 2040 at the latest while continuing to improve service levels, and review progress every five years.	Complete/BAU	TCCS	Planning and Delivery, TC	TC, PD	01/03/2020	Work has continued on implementing the zero emission transition plan for Transport Canberra including; workforce engagement, market sounding for the first tranche of 90 beb buses, energy and power modelling, technical specifications [REDACTED]	Greenhouse gas emissions
ACT Climate Change Strategy 2019-2025	CC Strategy		Transport	5.15	Ensure all newly leased ACT Government passenger fleet vehicles will be zero emissions vehicles from 2020-21 (where fit for purpose)	Complete/BAU	Other				As reported in 2021-22 Minister's Annual Report under the Climate Change and Greenhouse Gas Reduction Act 2010	Greenhouse gas emissions
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	1.1	Deliver an interim infrastructure solution for a first tranche of zero-emission vehicles.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023	[REDACTED]	Satisfaction with transport choice

Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	1.2	Undertake a Depot Feasibility Study to identify the timing and scope of future needs.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023	Transport Canberra has engaged consultants with the study being finalised and next steps being worked through.	Satisfaction with transport choice
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	1.3	Upgrade Woden Depot to support zero-emissions buses.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023	Transport Canberra is in the process of investigating future proofing options in order for Woden Depot to house and charge zero-emissions buses.	Satisfaction with transport choice
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	1.4	Build a new zero-emissions depot, by 2026.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023	Transport Canberra will use the Depot Feasibility Study to inform site suitability and energy capacity for the new depot.	Satisfaction with transport choice
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	1.5	Convert remaining existing depots to zero-emissions.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023		Satisfaction with transport choice
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	2.1	Procure a first tranche of battery electric buses supported by a temporary infrastructure solution.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023		Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Energy, buildings and urban development	Action 9	Develop streamlined license applications for EV charging stations on public land	TBC	Other					Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Energy, buildings and urban development	Action 10	Deliver more than 70 publicly accessible electric vehicle charging stations across Canberra in 2022-23	TBC	Other					Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Energy, buildings and urban development	Action 11	Expand the public EV charging network to ensure there are at least 180 publicly available charging stations in the ACT by 2025	TBC	Other					Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Energy, buildings and urban development	Action 12	By 2023 at the latest, enact regulation in the Territory plan to require electric vehicle charging infrastructure for new multi-unit residential and commercial buildings	TBC	Other					Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Energy, buildings and urban development	Action 13	Continue cross-jurisdictional engagement to make EV chargers available on common interstate, long distance transit routes	TBC	Other					Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Energy, buildings and urban development	Action 14	Provide information to unit titles and apartment building owners about EV charger installation in apartment buildings, including built to rent	TBC	Other					Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Energy, buildings and urban development	Action 15	Introduce \$2,000 incentives for installation of EV charging at multi-unit buildings	TBC	Other					Satisfaction with transport choice

ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Leadership, innovation, community/industry development	Action 16	Deliver a community education and promotion program on zero emissions vehicles	TBC	Other					Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Leadership, innovation, community/industry development	Action 17	Deliver the Zero Emissions Fleet Advisory Service to assist businesses and organisations	TBC	Other					Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Leadership, innovation, community/industry development	Action 18	Continue to advocate for strong national policy to support the zero emissions vehicle transition including vehicle emissions standards	TBC	Other					Satisfaction with transport choice
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	2.2	Continue to monitor changing commercial models, technology developments and power advances.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023	Transport Canberra continues to research new ZE technologies and has engaged consultants to explore options for future depots.	Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Energy, buildings and urban development	Action 20	Develop a strategic plan for long term (post 2030) charging needs for the ACT fleet (excluding buses)	In-progress	TCCS	Governance and Ministerial Services	GAMS	17/10/2022	Charging infrastructure for TCCS fleet vehicles to be included in TCCS Zero Emission Transition Plan (under development)	Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Energy, buildings and urban development	Action 21	Deliver the next stage of ACT Government fleet vehicle charging infrastructure	In-progress	TCCS	Governance and Ministerial Services	GAMS	17/10/2022	Charging infrastructure for TCCS fleet vehicles to be included in TCCS Zero Emission Transition Plan (under development)	Satisfaction with transport choice
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	3.1	Engage early with different service providers and the energy market.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023	Transport Canberra engages frequently with Evoenergy and continues to explore market options.	Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Leadership, innovation, community/industry development	Action 23	Update the definition of zero emissions vehicle for the Government fleet to exclude plug-in hybrid electric vehicles (PHEVs)	TBC	Other					Greenhouse gas emissions
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	3.2	Participate and partner with the energy sector.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023	Transport Canberra engages frequently with Evoenergy and continues to explore market options for further engagement with the energy sector as the project progresses..	Satisfaction with transport choice
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	3.3	Monitor discussions on future power technologies and advances.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023	Transport Canberra engages frequently with Evoenergy and continues to explore market options and attends seminars and information sessions on future power technologies and advances.	Satisfaction with transport choice
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	3.4	Work with other jurisdictions to identify shared solutions to shared problems.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023	Transport Canberra meets regularly with other jurisdictions to identify shared solutions to shared problems.	Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Leadership, innovation, community/industry development	Action 27	Reform parking regulations to enable enforcement of parking in EV only parking spaces	TBC	Other					Ease of access to places
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Leadership, innovation, community/industry development	Action 28	Investigate enabling zero emissions vehicles in the 'one-off' drivers test	TBC	Other					Satisfaction with transport choice

10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Energy, buildings and urban development	1.i	Implement a program of zero-interest loans of up to \$15,000 for households and not-for-profit community organisations to assist with the upfront costs of investing in: rooftop solar panels; household battery storage; zero emission vehicles and efficient electric appliances. The program will include an education and communications component about energy efficiency and the shift from gas to electric.	TBC	Other					Greenhouse gas emissions
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Leadership, innovation, community/industry development	1.ii	Progress a project with relevant asset owners and key stakeholders to reduce the emissions intensity of the existing ACT gas network as much as is possible, by injecting zero-emissions gas alternatives.	TBC	Other					Greenhouse gas emissions
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Energy, buildings and urban development	1.iii	Enact minimum energy efficiency standards regulations for rental properties in 2021 with progressive implementation over the coming years.	TBC	Other					Greenhouse gas emissions
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Energy, buildings and urban development	1.iv	Implement a five-year, \$50 million program to improve building efficiency and sustainability for social and public housing, low income owner-occupiers, and the lowest performing rental properties; this includes upgrades to government housing, and financial incentives to implement minimum energy efficiency standards in rental properties.	TBC	Other					Greenhouse gas emissions
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Energy, buildings and urban development	1.v	Deliver at least 250MW of new 'large-scale' battery storage distributed across the ACT.	In-progress	TCCS	Governance and Ministerial Services	GAMS	17/10/2022	TCCS participating in Big Battery Project with Belconnen, Allara, Kambah depots; Ron Reynold's Centre and Gungahlin Cemetery	Greenhouse gas emissions
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Leadership, innovation, community/industry development	1.vi	Develop the Molonglo Commercial Centre as an all-electric commercial centre (no new connections to gas mains network, but allow transition gas arrangements such as tanks), in partnership with expert stakeholders, and use lessons from this project to assist the phase out of fossil-fuel gas in the ACT, and demonstrate national best practice.	TBC	Other					Greenhouse gas emissions
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Energy, buildings and urban development	1.vii	Legislate to prevent new gas mains network connections to future stages of greenfield residential development in the ACT in 2021-22. Future stages of Jacka and Whitlam will be all-electric.	TBC	Other					Greenhouse gas emissions
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Energy, buildings and urban development	1.viii	Commence a transition project, working with industry and other stakeholders, to advance all-electric infill developments, with a goal of no new gas mains network connections to future infill developments from 2023	TBC	Other					Greenhouse gas emissions

10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Energy, buildings and urban development	1.ix	Ensure all new ACT Government buildings and facilities are fossil-fuel-gas free, including new leases. All retrofitting in Government buildings and facilities will have a goal of net-zero emissions post retrofit.	In-progress	TCCS	Governance and Ministerial Services	GAMS	17/10/2022	Transition of TCCS sites from gas to electric to be included in TCCS Zero Emission Transition Plan (under development).	Greenhouse gas emissions
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Energy, buildings and urban development	1.x	By 2021, implement the ACT ICRC recommendations to make it simpler for ACT consumers to get better energy deals by requiring electricity retailers to provide customers with a reference bill for a typical consumer, and notify customers if they have a plan that could reduce a customer's bills.	TBC	Other					
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	4.1	Engage with workforce to deliver a just and fair transition.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023	Transport Canberra regularly engages with workforce unions on the zero emissions transition and provides updates on the project to staff as required.	Satisfaction with transport choice
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Leadership, innovation, community/industry development	2.ii	Provide financial incentives for the purchase of zero emission vehicles. This includes free vehicle registration for new zero emission vehicles for two years, introduced as soon as practical.	TBC	Other					Satisfaction with transport choice
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Leadership, innovation, community/industry development	2.iii	Develop additional financial incentives to support greater ZEV uptake by businesses and the community sector.	TBC	Other					Satisfaction with transport choice
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	4.2	Expand transition benefits to the ACT local market, involving businesses and organisations across the zero-emission supply chain.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023	TC ensures local suppliers are able to compete for work that available as a result of the progression of the Zero Emissions Transition Project.	Satisfaction with transport choice
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Energy, buildings and urban development	2.v	Build at least 50 electric vehicle recharging stations across Canberra and the region, holding a reverse auction for their construction in 2021-22. This will include working with service station providers to explore broader public charging infrastructure.	TBC	Other					Satisfaction with transport choice
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Energy, buildings and urban development	2.vi	Enact regulation in conjunction with the Territory Plan Review to require charging infrastructure for new multi-unit residential and commercial buildings, and investigate measures to support retrofitting of charging infrastructure in existing buildings	TBC	Other					Satisfaction with transport choice
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Leadership, innovation, community/industry development	2.vii	Conduct market sounding to attract zero emission vehicle industries and other economic and training opportunities to the ACT.	In-progress	TCCS	Governance and Ministerial Services	GAMS			Satisfaction with transport choice
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Energy, buildings and urban development	2.viii	Research and pilot further Vehicle2Grid and Vehicle2Home projects to improve energy efficiency and grid reliability.	TBC	Other					Greenhouse gas emissions

10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Energy, buildings and urban development	3.i	Adopting an ACT Appendix to the Building Code of Australia in conjunction with the Territory Plan Review, which will set out improved sustainability standards that all new buildings must meet (addressing issues such as insulation, glazing, passive design, phasing out gas, and the requirement for electric vehicle charge points).	TBC	Other					Greenhouse gas emissions
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Leadership, innovation, community/industry development	3.ii	Driving sustainable building innovation by piloting land release to include at least one 'showcase' sustainable development each year, such as a 150% living infrastructure plot ratio or a 'Scope 3' zero-emissions development that produces no net greenhouse emissions during construction and operation, and reduced car parking.	TBC	Other					Greenhouse gas emissions
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Energy, buildings and urban development	3.iii	Increase new dwelling site supply to meet increased demand across the housing spectrum.	TBC	Other					
10th Legislative Assembly Parliamentary and Governing Agreement	10th PAGA		Energy, buildings and urban development	3.iv	Require at least 70% of new housing development to be within Canberra's existing urban footprint, with an ambition to increase this share, in the context of an overall increase to the number of dwelling sites released over the coming decade.	TBC	Other					
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	4.3	Train and upskill workers and expand these to regional and nationally recognised certifications.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023	Transport Canberra is working with CIT to train and upskill workers in General Electric Vehicle safety and a nationally recognised Certificate III formal training package.	Satisfaction with transport choice
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	5.1	Co-design technology advancements with the introduction of new fleet that enhance service and performance.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023	Transport Canberra has engaged consultants to investigate options with the study being finalised and next steps being worked through.	Satisfaction with transport choice
Zero Emission Transition Plan for Transport Canberra	ZETP - TC		Transport	5.2	Consider place-based initiatives that showcase the benefit of zero-emission vehicles in the urban environment.	In-progress	TCCS	Transport Canberra	TC, PD	27/01/2023	Transport Canberra will ensure consideration is given to place based initiatives to showcase zero emissions vehicles as the opportunity arises throughout the project.	Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Transport	Action 1	Aim to achieve 80-90% of new light vehicle sales in the ACT being ZEVs in 2030	TBC	Other					Greenhouse gas emissions

ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Transport	Action 2	Phase-out light internal combustion engine vehicles from 2035	TBC	Other					Greenhouse gas emissions
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Transport	Action 3	Prohibit onboarding of new ICE vehicles to rideshare and taxi networks by 2030	TBC	Other					Greenhouse gas emissions
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Transport	Action 4	Provide two years free registration for battery electric and hydrogen fuel cell electric vehicles and investigate potential for future reforms	TBC	Other					Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Transport	Action 5	Provide stamp duty exemption for new zero emissions vehicles	TBC	Other					Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Transport	Action 6	Expand the stamp duty exemption to include used battery electric and hydrogen fuel cell vehicles (includes electric scooters, motorbikes, trikes)	TBC	Other					Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Transport	Action 7	Offer \$15,000 zero-interest loans for zero emissions vehicles and charging equipment and installation	TBC	Other					Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Transport	Action 8	Introduce incentives to encourage the uptake of electric bikes, motorbikes and trikes	TBC	Other					Satisfaction with transport choice
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Transport	Action 19	Continue to ensure that 100% of all newly leased government passenger vehicles are zero emissions where fit for purpose	Complete/BAU	TCCS	Governance and Ministerial Services	GAMS	17/10/2022		Greenhouse gas emissions
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Transport	Action 22	Deliver a demonstration project for zero emissions commercial vehicles	In-progress	TCCS	Governance and Ministerial Services	GAMS	17/10/2022	Transition of TCCS commercial vehicles to be included in TCCS Zero Emission Transition Plan (under development)	Satisfaction with transport choice

ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Transport	Action 24	Continue to provide information and support for Government fleet drivers	Complete/BAU	TCCS	Governance and Ministerial Services	GAMS			Greenhouse gas emissions
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Transport	Action 25	Implement a pathway towards a transition to zero emission waste trucks by mid-2030s	In-progress	TCCS	ACT NoWaste	ACT NoWaste			Greenhouse gas emissions
ACT's Zero Emissions Vehicles Strategy 2022-30	ZEV Strategy		Transport	Action 26	Explore opportunities to replace government commercial and heavy vehicles with ZEVs as models become available	In-progress	TCCS	Governance and Ministerial Services	GAMS		Transition of TCCS vehicles (commercial and HVP&E) to be included in TCCS Zero Emission Transition Plan (under development)	Greenhouse gas emissions

Policy	Category	Area	Action/Indicator	Details
ACT Wellbeing Framework	Climate resilient environment and community	Climate change mitigation and resilience	Tree canopy cover	<p>This measure shows the percentage area of Canberra's urban footprint covered by tree canopy. In 2015 the tree canopy cover for Canberra was 19%. The Living Infrastructure Plan sets a target of 30% by 2045. The proportion of canopy cover across the city is a valuable indicator for evaluating wellbeing as the ecosystem service benefits provided by trees create positive social, economic and environmental outcomes. Heat stress will have a significant detrimental impact on people's wellbeing.</p>
ACT Wellbeing Framework	Climate resilient environment and community	Climate change mitigation and resilience	Greenhouse gas emissions	<p>This measure shows the annual level of greenhouse gas emissions. In 2019-20 the ACT emitted 1,683.6 kilotonnes CO₂-e, meeting its legislated emissions reduction target of 40% below 1990 levels by 2020. Natural gas consumption has gradually declined over the past three years. This is driven by an uptake in energy efficiency measures in buildings and electric reverse cycle air conditioning for space heating. 'All non-energy combustion sources' include fugitive emissions, industrial processes, agriculture and waste. Together they made up 22.2% of total emissions.</p>
ACT Wellbeing Framework	Climate resilient environment and community	Climate change mitigation and resilience	Heatwave resilience	<p>Almost all aspects of wellbeing can be important to climate resilience amongst the ACT community. For example, a person's standard of living and health may affect their ability to prepare for and cope with extreme weather events such as bushfires or heatwaves. Many of the wellbeing indicators reported in this dashboard are thus important contributors to climate resilient communities, particularly the 'community resilience to emergencies' indicator in the Safety Domain.</p> <p>This measure shows the percentage of adults who report they can easily cope with heatwaves. In both 2019 and 2020, around 6 in 10 adults agreed they can easily cope with heatwaves, with around 1 in 4 adults reporting they cannot easily cope with heatwaves. Women and people who identify as LGBTIQ+ were more likely to report that they cannot easily cope with heatwaves than the average Canberra adult.</p> <p>Future versions of the dashboard may include an overall rating of community resilience to climate change, similar to that available in the Living well in a changing climate report (2018), as well as further measures examining specific aspects of resilience to climate change such as climate change awareness and willingness to act.</p>

ACT Wellbeing Framework	Climate resilient environment and community	Climate change mitigation and resilience	Circular economy (waste)	This measure is under development. It will show the ratio of total waste produced in the ACT to gross territory product. This measure aims to highlight the relationship between economic activity and the physical throughput of goods through the economy.
ACT Wellbeing Framework	Community resilience to emergencies	Community resilience to emergencies	Emergency preparedness	How prepared are we for future floods, fires, storms, drought, or other emergencies? This indicator measures our community's perception of their readiness and resilience to emergency events over time.
ACT Wellbeing Framework	Environment and Climate	Healthy and resilient natural environment	Ecosystem condition	Ensuring the health of our natural environment remains one of the most important actions in preserving the wellbeing of both current and future generations. This indicator will measure the health of the natural environment, including water, threatened species, air, and our ecosystems.
ACT Wellbeing Framework	Environment and Climate	Healthy and resilient natural environment	Status of threats to the natural environment	<p>This measure shows the state of tracked threats to currently monitored ecosystems including lowland and upland grasslands and aquatic/riparian ecosystems. The tracked threats are herbivore pressure, invasive weeds, introduced predators, inappropriate fire regimes, invasive plants, introduced predators, impaired flow, alien fish, erosion and sedimentation. Each element is scored 1-4, averaged from multiple metrics.</p> <p>The status of threats to the natural environment is moderate, with an average score of 2.4/4, where good = 4, good with some concerns = 3, moderate = 2 and poor = 1. The purpose of this measure is to provide a broad indication of the severity of ecological stressors across the ACT.</p>
ACT Wellbeing Framework	Environment and Climate	Healthy and resilient natural environment	Catchment health	This measure shows the condition of Canberra's catchments, which provide essential ecosystem services such as reducing pollutants and providing clean air and water. Catchments are scored between 1 (excellent) and 5 (degraded) every year. Around 56% of catchments (5 out of 9) exhibited an overall decline due to drought conditions that were experienced during this time. Conversely, 44% of catchments (4 out of 9) exhibited minor improvements in condition. There has been a slight decrease in overall catchment condition during 2018-19 (average score 2.83 to 2.98) but no specific trend in catchment health and no obvious effect on long-term trends (average 2.94) since 2015.

ACT Wellbeing Framework	Environment and Climate	Healthy and resilient natural environment	Water quality	<p>This measure shows the quality of water flowing through our rivers, streams, and urban waterways. Water quality is scored between 1 (excellent) and 5 (degraded) every year. Around 33% (3 out of 9) showed a decline, 44% (4 out of 9) showed improvements while (2 out of 9) remained unchanged during 2018-19, despite the drought conditions that prevailed. Improved water quality at some locations was attributed to possible reduced inputs of pollutants from a lack of rain during the drought conditions. Although there has been a slight decrease in overall condition during 2018-19 (average score 1.87 to 1.94) there is no specific trend and no obvious effect on long-term trends (average 1.97) since 2015.</p>
ACT Wellbeing Framework	Environment and Climate	Healthy and resilient natural environment	Air quality	<p>This measure shows the days per year air quality exceeds national standards. On average, Canberra faced 16 days of poor to hazardous air quality per year (2012-18). The average monthly Ambient Air Quality in Canberra has improved during COVID-19 compared with preceding years (2012-19) except for particulate matter (PM10 and PM2.5) where Canberra faced poor to hazardous air quality during bushfire events. Canberrans suffered significantly through 2019-20 due to smoke from the bushfire events, with 126 days of 'poor' to 'hazardous' air quality primarily due to particulate matter. This compares with a combined total of 109 days during the previous seven years (2012-18). Canberra's air quality remained 99% (very good to fair) during the years 2012-18 but dropped to around 91% during 2019-20.</p>
ACT Wellbeing Framework	Access and connectivity	Transport use and access	Ease of access to places	<p>This measure shows the proportion of Canberrans who agree that they can easily get to the places they need to by car or other transport. As of late 2019, 81% of ACT residents found it easy to get to the places they need to, while 16% sometimes had difficulty, and nearly 3% often or always had difficulty. This is consistent with data released in 2020 from the ABS General Social Survey (ABS 2020), in which nearly 3% of ACT residents were also found to often or always have difficulty getting to the places they needed to. This was lower than the Australian average of 5% (ABS 2020). Those who were unemployed, People with Disability, carers and renters had significantly greater difficulty accessing places.</p>
ACT Wellbeing Framework	Access and connectivity	Transport use and access	Mode of transport for travel	<p>This measure is under development and will show what types of transport people use to get around Canberra. This will measure the uptake of different modes of transport including car trips, public transport and active travel (such as walking and cycling). This measure will look at trips for all travel purposes – not just for work and study.</p>

ACT Wellbeing Framework	Access and connectivity	Transport use and access	Satisfaction with transport choice	<p>This measure is under development and will show how satisfied people are with the transport choices that are available to them. This will provide additional insights by comparing people’s satisfaction with their transport options with the objective data of how people are choosing to travel based on the transport options they have available.</p>
ACT Wellbeing Framework	Access and connectivity	Liveable city	Proximity to places that support wellbeing	<p>This measure is under development and will show the proportion of Canberra households with good access to services that support wellbeing. A service is defined as something that supplies or serves an individual or community need. This will measure proximity to a series of services that are important for wellbeing (for example, healthcare services, government services, and transport services) including for different households and regions.</p>

ACT Wellbeing Framework	The ACT Wellbeing Framework includes a climate resilient environment and community indicator which measures climate mitigation and adaptation by tracking greenhouse gas emissions, tree canopy coverage, waste, and community preparedness for climate change impacts and extreme weather events. Climate mitigation and adaptation will become increasingly important to track as they contribute to both personal wellbeing, the wellbeing of the economy, and society as a whole.
ACT Climate Change Strategy 2019-2025	Sets out the ACT Government's response to climate change and includes measures to reduce the ACT's emissions in line with meeting our interim targets and achieving net zero emissions by 2045 at the latest.
ACT's Zero Emissions Vehicles Strategy 2022-30	Presents the pathway for Government, businesses and the community to help deliver a zero-emissions transport future for our city and meet our target of net zero emissions by 2045 at the latest.
Canberra's Living Infrastructure Plan: Cooling the City	Actions to keep the city cool and liveable in a changing climate
10th Legislative Assembly Parliamentary and Governing Agreement	Agreement by the Parties forming the ACT Government to undertaking rapid, science-based action to mitigate and adapt to climate change, and transition the ACT to net zero emissions.
TCCS Five-Year Emission Reduction Plan	TCCS contribution to the whole of ACT Government 33% emission reduction target by 2025 (from 2019 level).
Zero Emission Transition Plan for Transport Canberra	Outlines a pathway to achieve the ACT Government's ambition of a zero emission public transport system by 2040 or earlier.
Transport Canberra and City Services Zero Emission Transition Plan	Presents a consolidated TCCS position/approach on emission reduction activities relevant to ACT Government Climate Change Policies and outlines a pathway to net zero emissions from operations by 2040

<p>ACT Transport Strategy</p>	<p>Identifies the opportunities and challenges to reduce transport emissions by increasing trips taken by public transport, walking and cycling as we work to make Canberra a more compact and efficient city.</p>
<p>ACT's Urban Forest Strategy 2021-2045</p>	<p>Sets out the ACT Government's vision for a resilient and sustainable urban forest that supports a liveable city and the natural environment.</p>
<p>TCCS Climate Change Adaptation Plan</p>	<p>Presents a consolidated TCCS position/approach on adaptation activities relevant to ACT Government Climate Change Policies</p>
<p>ACT Planning Strategy 2018</p>	<p>Introduced a plan for a more compact and efficient urban form, complemented by liveable neighbourhoods through the integration of land use and transport planning.</p>
<p>ACT Infrastructure Plan</p>	<p>Articulated the future direction for our transport investments.</p>
<p>Skilled to Succeed</p>	<p>The ACT's skills and workforce agenda, explicitly identifies the importance of training and upskilling in ZEV technologies as a key growth opportunity to our local skills sector and economy.</p>

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TCCS EMISSION REDUCTION WORKING GROUP

Terms of Reference

Purpose

1. The purpose of the TCCS Emission Reduction Working Group is to:
 - a. provide a consolidated TCCS position and/or approach on emission reduction activities and provide input and/or reporting as required in accordance with relevant climate change policies and programs; and
 - b. maintain the TCCS Climate Change Register; and
 - c. discuss issues and share information on emissions reduction activities and/or outcomes from industry, cross-directorate and/or whole of government climate related forums.

Membership

2. The Working Group will comprise members who are responsible for delivering actions as defined in the Parliamentary and Governing Agreement for the 10th Legislative Assembly; Climate Change Strategy; the Zero Emission Government Framework; Canberra's Living Infrastructure Plan; ACT's Zero Emissions Vehicles Strategy 2022-30; Zero Emission Government Facility Guidelines and other ACT Government Policy relating to emission reduction activities.
3. Membership of the Working Group can be found at Attachment A and will be updated as needed by the secretariat.

Roles and Responsibilities

4. The Working Group will:
 - a. Act on its purposes.
 - b. Monitor TCCS contributions to ACT Government's climate change policies as noted in Point 2.
 - c. Maintain a list of TCCS membership to ACT Government climate change working groups and/or committee's delivering on emission reduction activities, including updating members and keeping abreast of activities and actions being delivered through these groups.
 - d. Draw on experience, share success stories and work collaboratively to advance emission saving opportunities across the Directorate.
 - e. Have the opportunity to review and/or input to relevant emission related documents.
 - f. The Working Group does not have a financial delegation.

Reporting Requirement

5. There are regular and existing reporting mechanisms across TCCS and Whole of Government.
6. In addition to these the Chair reports directly to the Executive Branch Manager, Governance and Ministerial Services, and briefings will be provided to the TCCS Executive Board as required on the outcomes of this group.

Meeting Frequency

7. The working group will meet monthly, and review after six months.
8. In the interim, additional meetings can be scheduled as needed.

Secretariat

9. The Sustainability, Facilities and Fleet Unit will act as the secretariat and is responsible for organising meetings, taking meeting minutes and distributing any meeting papers five days in advance of the meeting.



Agenda

TCCS Emission Reduction Working Group

Meeting # 01	
Date	Tuesday, 7 February 2023
Time	3:30pm – 4:30pm
Venue	Teams meeting
Chair	Trish Campbell

Item No.	Time	Agenda Item	Action Officer	Requested Action
1	5min	Acknowledgement of Country <i>I wish to acknowledge the traditional custodians of the land we meet on, and pay my respect to their elders, both past and present.</i>	Chair	
2	10min	Minutes and actions arising	Chair	Review
3	10min	Terms of Reference	Chair	Approval
4	10min	Climate Action sub committee progress report	Chair	Member input
5	15min	Standing items - updates <ul style="list-style-type: none"> • Transport Canberra • NoWaste • Facilities • Fleet • Strategic Policy and Customer 	All	For noting
6	10min	Other business	All	

Attachments

- 1 Terms of Reference
- 2 Minutes – Meeting 1: 20/12/2022
- 3 Actions register



Minutes

Subject:	TCCS Emission Reduction Working Group Meeting 2
Date:	Tuesday, 7 February 2023
Location:	Teams
Prepared By:	Gil Librando

Members present

Attendees		
Trish Campbell	TC	Senior Director (Chair)
Gilbert Librando	GL	Secretariate
Satinder Sahota	SSa	Director, Fleet Services
Margaret Kitchin	MK	Senior Director
Renee Riley	RR	Senior Director
Mary Bushby	MB	Assistant Director
Justin Thompson	JT	Director, Facilities Unit
Glenn Dougall	GD	Senior Manager
Lauren Hendriks	LHe	Assistant Director
Apologies		
Luke Halls	LH	Director Business Support
Shane Kelly	SK	Business Manager
Shahrina Sharmin	SSh	Finance Business Partner
Shonah Stratton	SSt	Zero Emission Project Manager
Murray Nichol	MN	Senior Director

Decisions and actions

No.	Item
1	<p>Welcome and Apologies</p> <p>TC (Chair) welcomed all attendees and noted apologies.</p>
2	<p>Minutes and action arising</p> <p>Minutes from last meeting accepted and endorsed.</p> <ul style="list-style-type: none"> Action 2.1: Resend link to members to have access to Power BI dashboard.
3	<p>Terms of Reference</p> <p>The ToR reviewed, updated and endorsed.</p>



No.	Item
4	<p>Climate Action subcommittee progress report</p> <p>Directorate leads are responsible for preparing Minister’s quarterly Climate Action Progress Reporting each quarter. The Office Climate Action (OCA) consolidates these reports into an overarching discussion paper for Climate Action Sub-Committee (CASC) review. The reports are forward facing, focusing on key actions for the upcoming three months; and Ministers are also welcome to include updates on additional climate action activities (e.g. actions from the ACT Climate Change Strategy).</p> <ul style="list-style-type: none"> Action 2.2: Circulate request for input group to provide update. Due date 10/2/2023.
5	<p>Standing Items</p>
5.1	<p>Transport Canberra (TC)</p> <p>GD provided an update:</p> <ul style="list-style-type: none"> A few battery electric buses (BEB’s) has been delivered and we’ll see more of these deliveries continue this month with last delivery to happen end of next month. To enable charging of these 12 BEB’s, Minister released media last week announcing funding for feeders to Tuggeranong and Woden. TC working with Evo and Treasury to get across the line in terms of funding. Works being done behind the fence of Tuggeranong Depot to enable the charging of these 12 BEB and installation of 6 charges – construction works in progress. Distribution boards and charger installation to happen end of this month early March. Overall TC is happy with progress with Evo works to commence thereafter. <p>█ [REDACTED]</p>
5.2	<p>Facilities</p> <p>JT provided update:</p> <p>[REDACTED]</p> <ul style="list-style-type: none"> Works continue at Tuggeranong Bus Depot with solar PV installation and heating, ventilation and air conditioning (HVAC) upgrade of the gas boiler system with expected completion December 2023 providing for an estimated 88% reduction in gas use. [REDACTED] [REDACTED] Boiler replacement project to be completed in Oct 2023 Yarralumla Nursery continues to investigate alternative solutions to the replacement of four gas boilers in the hot houses with electric heat pumps and solar PV to fit within \$800,000 Social Cost of
5.3	<p>NoWaste</p> <p>MK provided update:</p> <ul style="list-style-type: none"> No new update as major procurement is still in progress.



No.	Item
5.4	<p>Fleet</p> <p>SS provided update:</p> <ul style="list-style-type: none"> • Electric compact street sweeper three-day trial underway at Allara Street Depot. Fleet Services are collaborating with EPSDD to identify whether they can garage the unit or if there is capacity available of installing an EV charger at the site. Depending on the outcome of the trial, there is a possibility of order to be undertaken end of FY2022-23. Plan is to keep existing sweeper which will be moved to Southside Depot so they can clean surrounding areas. • Electric low floor flexible transport bus waiting on information from team to provide update if they have the capacity to install 30–50-amp plugs. • Fleet Services undertaking long term planning in terms on charging infrastructure for TCCS Fleet. • EPSDD engaging supplier to install an additional 38 charges at 255 Canberra Ave – to be completed by end of financial year. • TC – going to cage off government vehicle parking in basement and relocate down to B2 of 480NBA.
5.5	<p>Development Co-ordination Branch</p> <p>LHe provided update:</p> <ul style="list-style-type: none"> • Development of an electric vehicle, infrastructure, operational policy is underway which will consider private providers looking to locate public charges on government car spaces ie. rules, fees etc.

Summary of Actions

#	Detail	Status
2.1	Resend link to members who do not have access to power BI dashboard	Complete & Closed 13/2
2.2	Members to provide input to Climate Action subcommittee progress report	Complete & Closed 13/2



Agenda

TCCS Emission Reduction Working Group

Meeting # 01	
Date	14/06/2023
Time	2:00pm – 3:00pm
Venue	Teams meeting
Chair	Trish Campbell

Item No.	Time	Agenda Item	Action Officer	Requested Action
1	5min	Welcome and apologies	Chair	
2	5min	Previous minutes and actions	Secretariat	For approval
3	10min	Zero Emission Government Implementation Committee update <ul style="list-style-type: none"> • Scope 3 Emissions • Emissions Forecast Modelling • Electrification of Govt Gas Assets 	Chair	For noting
4	5min	Enterprise Sustainability Platform	Chair	For input (out of session)
5	5min	WhoG Gas Procurement	Chair	For noting
6	5min	Minister’s Annual Climate Change Report 2022-23	Chair	For input (out of session)
7	10min	Australasian Fleet Manager’s Association – Annual Conference	TCCS Fleet	Presentation
8	10min	Standing items - updates <ul style="list-style-type: none"> • Transport Canberra • NoWaste • Facilities • Fleet • Strategic Policy and Customer 	All	For noting
9	5min	Other business	All	

Attachments



Minutes

Subject:	TCCS Emission Reduction Working Group Meeting 3
Date:	Wednesday, 14 June 2023
Location:	Teams
Prepared By:	Gil Librando

Members present

Attendees		
Trish Campbell	TC	Senior Director (Chair)
Gilbert Librando	GL	Secretariate
Satinder Sahota	SSa	Director, Fleet Services
Shonah Stratton	SSt	Zero Emission Project Manager
Margaret Kitchin	MK	Senior Director
Renee Riley	RR	Senior Director
Mary Bushby	MB	Assistant Director
Murray Nichol	MN	Senior Director
Shane Kelly	SK	Business Manager
Glenn Dougall	GD	Senior Manager
Rachel Darke	RD	Assistant Director
Chelsea Moore	CM	Assistant Director
Apologies		
Shahrina Sharmin	SSh	Finance Business Partner
Justin Thompson	JT	Director, Facilities Unit

Decisions and actions

No.	Item
1	<p>Welcome and Apologies</p> <p>TC (Chair) welcomed all attendees and noted apologies.</p>
2	<p>Minutes and action arising</p> <p>Minutes from last meeting accepted and endorsed.</p>



3	<p>Zero Emission Government Implementation Committee</p> <p>Chair provided an update to members on the ZEGIC as follows:</p> <ul style="list-style-type: none"> a. Scope 3 Emissions <ul style="list-style-type: none"> i. EPSDD have engaged a consultant to consider embodied emissions of the ACT Government operations. Trish/Gary Spencer (TCCS Finance) involved in working group and looking at financial expenses to derive a crude estimate. b. Emissions Forecast Modelling <ul style="list-style-type: none"> i. EPSDD have engaged a consultant to develop an emissions forecasting model than will project the emissions trajectory for the ACT for different emissions sources (such as transport). NoWaste and TC on the working group and liaising with Transport Canberra and Transport Policy to review the tool. c. Electrification of Govt Gas assets - EPSDD Capital works business case approved <ul style="list-style-type: none"> i. WhoG budget bid successful for 2023-24 (Weetangera PS; Emergency Services Gungahlin) ii. Priority sites TCCS - Capital Linen Services; Tuggeranong Bus Depot; Yarralumla Nursery
4	<p>Enterprise Sustainability Platform</p> <p>Chair provided an update to members with review of TCCS accounts in the ESP underway for end of financial year reporting. Tuggeranong bus depot accounts with CNG and natural gas require correction within the system following hand-over to new provider.</p>
5	<p>WhoG Gas Procurement</p> <p>Chair provided an update to members with establishment of new WhoG gas contract in progress with evaluation report prepared and negotiation period underway. The execution date aims to be on or before 30 June 2023</p>
6	<p>Minister’s Annual Climate Change Report 2022-23</p> <p>Updates to ACT Climate Change Strategy; Canberra's Living Infrastructure Plan and ACT's Zero Emissions Vehicle Strategy due 14 July 2023.</p> <p>Action 6.1: TC & MB to discuss best way to update and co-ordinate this report</p>
7	<p>Australasian Fleet Manager’s Association – Annual Conference</p> <p>Fleet Services provided an overview of the 2023 AFMA Conference. Presentation attached.</p>
8	<p>Standing Items</p>



8.1	<p>Transport Canberra (TC)</p> <p>SSt provided an update:</p> <ul style="list-style-type: none"> Recently signed a contract for 90 BEB buses. We have signed another contract for 4 additional BEB buses which will be located at Belconnen Depot. 12 BEB buses in service currently operating in Tuggeranong Depot with report it's doing well. Data coming though indicating how long their operating on full charge and when charging is required. TC zero emission plan was released in 2020 with the chance to update the action outlined in the plan. [REDACTED] Every year we need to advise Cabinet the progress of 16 action items that fall under Strategic Policy. [REDACTED]
8.2	<p>NoWaste</p> <p>MK provided an update:</p> <ul style="list-style-type: none"> Household waste collection contract released. As a requirement they must have 1 zero emission truck in their fleet by second year 2024-2025. NoWaste to go into evaluation and once all completed notification will be sent out.
8.3	<p>Facilities</p> <p>TC provided an update on behalf of JT:</p> <ul style="list-style-type: none"> [REDACTED]
8.4	<p>Fleet</p> <p>SSa to provide an update:</p> <ul style="list-style-type: none"> 3 electric mowers on order, expected delivery Aug/Sep 2023. To replace existing diesel mowers. Electric mowers to be used on trial phase day to day work pace before we transition rest of the fleet. We have also ordered electric compact sweeper for CRA Funded team who is based at Civic Pool site. Hopefully take deliver later this month. We recently trialled electric excavator with positive outcome. Slightly smaller size (1.9t) but perfect for our needs. [REDACTED] On the process to trial EV trucks and utes later this year. [REDACTED] Working with TC on a trial for minibus to commence later this month.



<p>8.5</p>	<p>Strategic Policy and Customer (SPC)</p> <p>MN to provide an update:</p> <div data-bbox="331 324 1401 674" style="background-color: black; width: 100%; height: 156px; margin: 10px 0;"></div> <ul style="list-style-type: none"> • Action 8.5: MN to update Climate Change Register with the recommended areas for action that don't sit with SPP. GL to then update and send through to relevant contacts
<p>8.6</p>	<p>Other Business</p> <p>Development Co-ordination Branch</p> <p>RD to provide an update:</p> <ul style="list-style-type: none"> • Electric vehicle, infrastructure, operation policy endorsed by Cabinet to be released to the public.

**Attachment
1 – 2023 AFMA Conference**

Summary of Actions

#	Detail	Status
6.1	TC & MB to co-ordinate best way to update Climate Change Register	Closed
6.1	Secretariate to send out request for updates for the 2022-23 Minister's Annual report under the Climate Change and Greenhouse Gas Reduction Act 2010	Request sent – responses due 21/7/23
8.5	GL to update Climate Change Register and send through to revised contacts	Pending

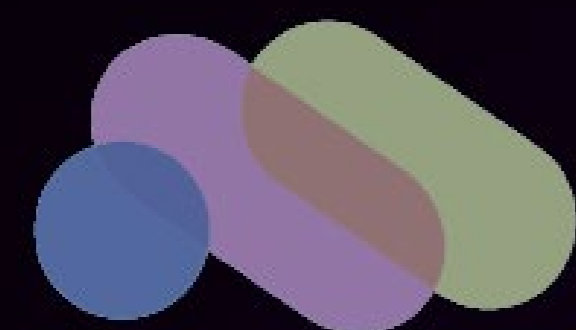
July 2021

TCCS Fleet Services Zero Emission Vehicle Update



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2023 Australasian Fleet Conference & Exhibition

AND FLEET AWARDS

Knowledge Collaboration Leadership

The **FUTURE**
belongs to the **READY**

MAY 23-24

Rosehill
Gardens
Racecourse
Sydney

MAIN FOCUS TRANSITION TO ZERO-EMISSION VEHICLES

40+ Exhibitors
35+ Speakers
20+ Educational Sessions



Opportunities

**TRANSITION TO ZERO
EMISSION PATHWAY
POLICIES AND PLANS**

**ZERO-
EMISSION
VEHICLES**

**CREATING USED
MARKET FOR EV'S**

**SAFETY
AND
COMPLIANCE**

VEHICLE TELEMATICS

**CHARGING
INFRASTRUCTURE**



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Foton Tipper Truck





Mercedes e-Vito Panel Van





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Ford eTransit Van





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Iveco eDaily Truck





Hyundai Mighty Electric Truck





Subaru Solterra SUV



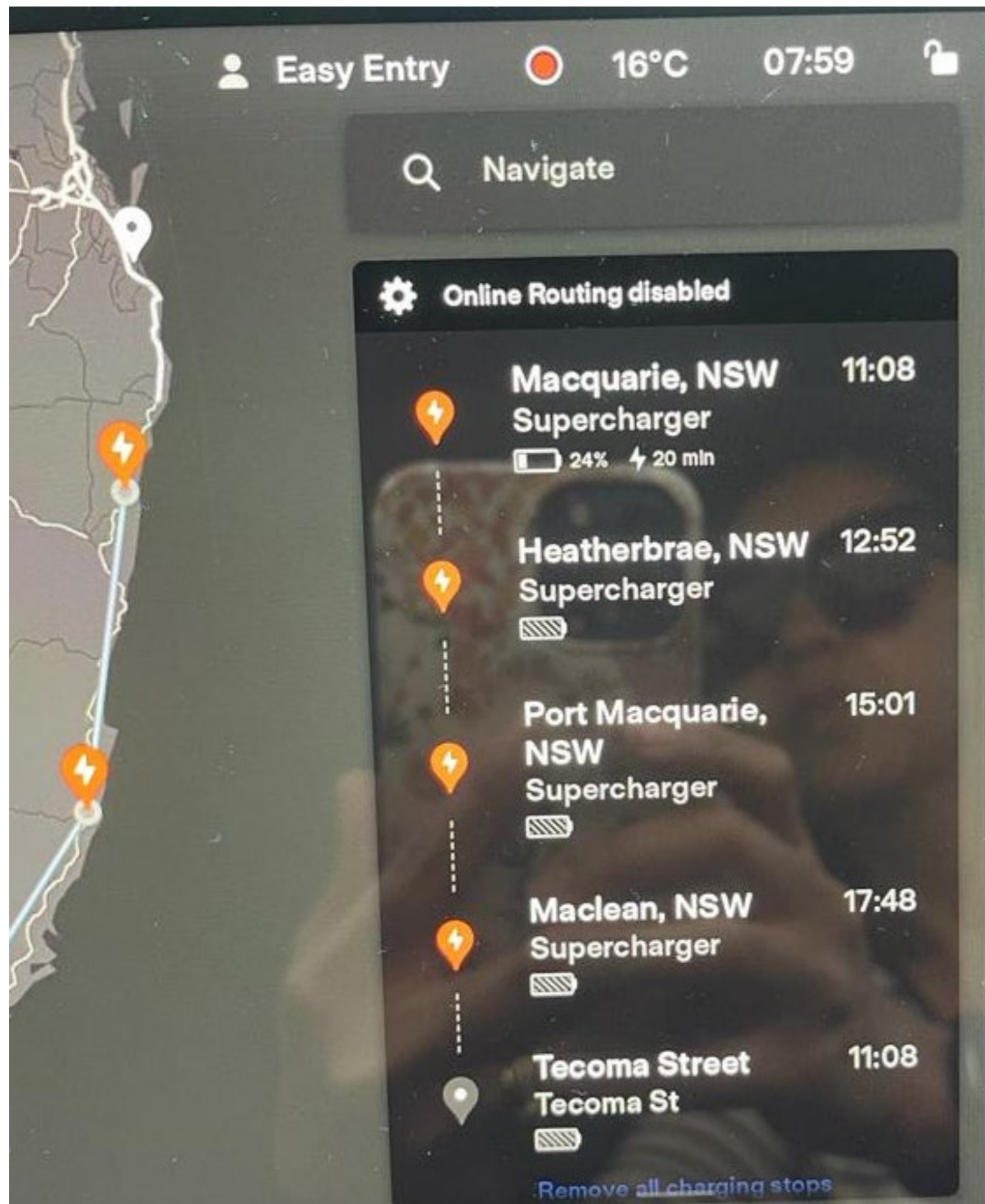


Ford Mustang Mach-e





Gil's trip to QLD



Thank you



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