



PAPAIOEA
PALMERSTON
NORTH
CITY

PALMERSTON NORTH CITY COUNCIL

AGENDA

ENVIRONMENTAL SUSTAINABILITY COMMITTEE

9AM, WEDNESDAY 15 SEPTEMBER 2021

CONFERENCE & FUNCTION CENTRE
354 MAIN STREET, PALMERSTON NORTH

MEMBERS

Brent Barrett (Chairperson)
Zulfiqar Butt (Deputy Chairperson)
Grant Smith (The Mayor)

Vaughan Dennison	Orphée Mickalad
Renee Dingwall	Karen Naylor
Lorna Johnson	Aleisha Rutherford
Billy Meehan	Peter Te Rangi

AGENDA ITEMS, IF NOT ATTACHED, CAN BE VIEWED AT

pncc.govt.nz | Civic Administration Building, 32 The Square
City Library | Ashhurst Community Library | Linton Library

Heather Shotter

Chief Executive | PALMERSTON NORTH CITY COUNCIL

ENVIRONMENTAL SUSTAINABILITY COMMITTEE MEETING

15 September 2021

ORDER OF BUSINESS

NOTE: The Environmental Sustainability Committee meeting coincides with an extraordinary meeting of the Council. Business will be conducted in the following order:

- Council
- Environmental Sustainability Committee

Prior to the commencement of the Environmental Sustainability Committee meeting, the newly appointed Member will be invited to make a Declaration of Office

1. Apologies

2. Notification of Additional Items

Pursuant to Sections 46A(7) and 46A(7A) of the Local Government Official Information and Meetings Act 1987, to receive the Chairperson's explanation that specified item(s), which do not appear on the Agenda of this meeting and/or the meeting to be held with the public excluded, will be discussed.

Any additions in accordance with Section 46A(7) must be approved by resolution with an explanation as to why they cannot be delayed until a future meeting.

Any additions in accordance with Section 46A(7A) may be received or referred to a subsequent meeting for further discussion. No resolution, decision or recommendation can be made in respect of a minor item.

3. Declarations of Interest (if any)

Members are reminded of their duty to give a general notice of any interest of items to be considered on this agenda and the need to declare these interests.

4. Public Comment

To receive comments from members of the public on matters specified on this Agenda or, if time permits, on other Committee matters.

(NOTE: If the Committee wishes to consider or discuss any issue raised that is not specified on the Agenda, other than to receive the comment made or refer it to the Chief Executive, then a resolution will need to be made in accordance with clause 2 above.)

5. Confirmation of Minutes

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"That the minutes of the Environmental Sustainability Committee meeting of 19 May 2021 Part I Public be confirmed as a true and correct record."

6. Progress Towards Actions in the Waste Management and Minimisation Plan 2019

Page 13

Memorandum, presented by Mike Monaghan, Manager - Water Operations.

7. PNCC Organisational Emissions Inventory and Management Plan

Page 21

Memorandum, presented by Adam Jarvis, Senior Climate Change Advisor.

8. Committee Work Schedule - September 2021

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9. Exclusion of Public

To be moved:

"That the public be excluded from the following parts of the proceedings of this meeting listed in the table below.

The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter, and the specific grounds under Section 48(1) of the Local

Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:

General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under Section 48(1) for passing this resolution

This resolution is made in reliance on Section 48(1)(a) of the Local Government Official Information and Meetings Act 1987 and the particular interest or interests protected by Section 6 or Section 7 of that Act which would be prejudiced by the holding of the whole or the relevant part of the proceedings of the meeting in public as stated in the above table.

Also that the persons listed below be permitted to remain after the public has been excluded for the reasons stated.

[Add Third Parties], because of their knowledge and ability to assist the meeting in speaking to their report/s [or other matters as specified] and answering questions, noting that such person/s will be present at the meeting only for the items that relate to their respective report/s [or matters as specified].

PALMERSTON NORTH CITY COUNCIL

Minutes of the Environmental Sustainability Committee Meeting Part I Public, held in the Council Chamber, First Floor, Civic Administration Building, 32 The Square, Palmerston North on 19 May 2021, commencing at 9.00am.

Members Present: Councillors Brent Barrett (in the Chair), Zulfiqar Butt, Vaughan Dennison, Renee Dingwall, Lorna Johnson, Billy Meehan, Orphée Mickalad, Karen Naylor and Aleisha Rutherford.

Non Members: Councillors Susan Baty, Rachel Bowen, Lew Findlay QSM, Patrick Handcock ONZM, Leonie Hapeta and Bruno Petrenas.

Apologies: The Mayor (Grant Smith) (absent on Council business) and Councillor Vaughan Dennison (early departure).

Councillor Vaughan Dennison left the meeting at 10.09am during consideration of clause 27. He entered the meeting again at 11.05am after consideration of clause 28. He was not present for clauses 27 and 28 inclusive.

24-21 Apologies

Moved Brent Barrett, seconded Zulfiqar Butt.

The **COMMITTEE RESOLVED**

1. That the Committee receive the apologies.

Clause 24-21 above was carried 15 votes to 0, the voting being as follows:

For:

Councillors Brent Barrett, Susan Baty, Rachel Bowen, Zulfiqar Butt, Vaughan Dennison, Renee Dingwall, Lew Findlay QSM, Patrick Handcock ONZM, Leonie Hapeta, Lorna Johnson, Billy Meehan, Orphée Mickalad, Karen Naylor, Bruno Petrenas and Aleisha Rutherford.

25-21 Public Comment

Ms Beth Tolley and Mr Philip McConkey made public comment regarding the need to reduce greenhouse gas emissions and treat climate change as a real and urgent issue. They complimented Council on the changes they had already made but encouraged Council to take some bold and innovative steps to progress climate change projects. They urged Councillors to start thinking of Palmerston North as more of a cycling and pedestrian city with more frequent and accessible public transport.

The major concern shared by the presenters was the amount of time it is taking Council to initiate and progress climate change ideas and

projects and the reasons behind the delays.

Moved Brent Barrett, seconded Zulfiqar Butt.

The **COMMITTEE RESOLVED**

1. That the public comment from Beth Tolley and Philip McConkey be received for information.

Clause 25-21 above was carried 15 votes to 0, the voting being as follows:

For:

Councillors Brent Barrett, Susan Baty, Rachel Bowen, Zulfiqar Butt, Vaughan Dennison, Renee Dingwall, Lew Findlay QSM, Patrick Handcock ONZM, Leonie Hapeta, Lorna Johnson, Billy Meehan, Orphée Mickalad, Karen Naylor, Bruno Petrenas and Aleisha Rutherford.

26-21

Presentation - Enviroschools Programme

Ms Sarah Williams, Environmental Educator for Horizons Regional Council and Ms Niki Burtenshaw, Teacher Aide for Monrad Intermediate School made a presentation regarding the Enviroschools programme being promoted and introduced to kindergartens and schools throughout the city.

Enviroschools is a project where children and young people plan, design and implement their own sustainability projects as part of a long-term 'action-learning process' – the children become ambassadors for change, in both their families and their community. Each school has its own facilitator and tailor the programme for their own individual needs and circumstances.

Hundreds of environmental projects have been completed and progressed throughout Palmerston North and the Manawatu.

Niki Burtenshaw outlined the Enviroschools journey being undertaken at Monrad Intermediate as follows:

- Programme has had a huge impact on students, staff and community and the project aligns with and reinforces their existing school values.
- Resource availability that is incorporated throughout the project is of an extremely high standard. National handbook distributed contains inspirational stories and innovative project ideas.
- Educational benefits include knowledge, practical skills and creative innovation.

Moved Aleisha Rutherford, seconded Renee Dingwall.

The **COMMITTEE RESOLVED**

1. That the Environmental Sustainability Committee receive the presentation from Sarah Williams, Environmental Educator, Horizons and Niki Burtenshaw from Monrad Intermediate School on the Enviroschools Programme.

Clause 26-21 above was carried 15 votes to 0, the voting being as follows:

For:

Councillors Brent Barrett, Susan Baty, Rachel Bowen, Zulfiqar Butt, Vaughan Dennison, Renee Dingwall, Lew Findlay QSM, Patrick Handcock ONZM, Leonie Hapeta, Lorna Johnson, Billy Meehan, Orphée Mickalad, Karen Naylor, Bruno Petrenas and Aleisha Rutherford.

27-21

Presentation - AlSCO New Zealand

Mr Steve Barden, Group General Manager, AlSCO New Zealand made a presentation regarding the sustainability programme being undertaken throughout their company in New Zealand to become a better corporate citizen.

AlSCO aims to be innovators and promoters of low carbon service and products, enabling and supporting a shift to a net zero carbon economy. To achieve this they have adopted the following approach:

- Carbon emissions reduction – 2014 InStep engaged to measure Co2e and report 2020 in-house
- EECA Energy Graduate Programme
- Coal conversion – eliminate coal use by 2030
- Water reduction – reduce water use by a third by 2030
- Waste reduction initiatives
- Electric vehicles – to convert a third to electric vehicles by 2030

Progressive and innovative ideas and projects are being considered to reuse, recycle and repurpose textiles that have reached the end of their commercial life, eg. old overalls being used in roading project trials.

Councillor Vaughan Dennison left the meeting at 10.09am.

Moved Aleisha Rutherford, seconded Renee Dingwall.

The **COMMITTEE RESOLVED**

1. That the Environmental Sustainability Committee receive the presentation from Steve Barden from AlSCO Palmerston North.

Clause 27-21 above was carried 13 votes to 0, with 1 abstention, the voting being as follows:

For:

Councillors Brent Barrett, Susan Baty, Rachel Bowen, Zulfiqar Butt, Renee

Dingwall, Lew Findlay QSM, Patrick Handcock ONZM, Lorna Johnson, Billy Meehan, Orphée Mickalad, Karen Naylor, Bruno Petrenas and Aleisha Rutherford.

Abstained:

Councillor Leonie Hapeta.

28-21 Confirmation of Minutes

Moved Brent Barrett, seconded Patrick Handcock ONZM.

The **COMMITTEE RESOLVED**

1. That the minutes of the Environmental Sustainability Committee meeting of 9 December 2020 Part I Public be confirmed as a true and correct record.

Clause 28-21 above was carried 13 votes to 0, with 1 abstention, the voting being as follows:

For:

Councillors Brent Barrett, Susan Baty, Rachel Bowen, Zulfiqar Butt, Renee Dingwall, Lew Findlay QSM, Patrick Handcock ONZM, Leonie Hapeta, Lorna Johnson, Billy Meehan, Karen Naylor, Bruno Petrenas and Aleisha Rutherford.

Abstained:

Councillor Orphée Mickalad.

The meeting adjourned at 10.33am.

The meeting resumed at 10.50 am.

Councillor Vaughan Dennison entered the meeting again at 11.05am.

29-21 2020 Citywide Emissions Inventory

Memorandum, presented by Adam Jarvis, Senior Climate Change Advisor.

In discussion, Elected Members requested that the Chief Executive refer a programme to the 2021-31 Long Term Plan deliberation process to enable significant progress in Council's response to climate change issues.

Moved Vaughan Dennison, seconded Lorna Johnson.

The **COMMITTEE RESOLVED**

1. That the Environmental Sustainability Committee receive the memorandum titled '2020 Citywide Emissions Inventory'.

Clause 29-21 above was carried 15 votes to 0, the voting being as follows:

For:

Councillors Brent Barrett, Susan Baty, Rachel Bowen, Zulfiqar Butt, Vaughan Dennison, Renee Dingwall, Lew Findlay QSM, Patrick Handcock ONZM, Leonie Hapeta, Lorna Johnson, Billy Meehan, Orphée Mickalad, Karen Naylor, Bruno

Petrenas and Aleisha Rutherford.

Moved Brent Barrett, seconded Zulfiqar Butt.

2. That the Chief Executive develop and refer a programme to the 2021-31 Long Term Plan (LTP) deliberation process that would enable a stronger climate change response, including annual tracking and reporting of city-wide greenhouse gas emissions.

Clause 29-21 above was carried 15 votes to 0, the voting being as follows:

For:

Councillors Brent Barrett, Susan Baty, Rachel Bowen, Zulfiqar Butt, Vaughan Dennison, Renee Dingwall, Lew Findlay QSM, Patrick Handcock ONZM, Leonie Hapeta, Lorna Johnson, Billy Meehan, Orphée Mickalad, Karen Naylor, Bruno Petrenas and Aleisha Rutherford.

30-21 Committee Work Schedule

In discussion, Elected Members requested that Item 1 be reinstated on the Work Schedule to ensure Councillors are kept informed on this issue.

Moved Brent Barrett, seconded Zulfiqar Butt.

The **COMMITTEE RESOLVED**

1. That Item 1 – Report on Options to reduce non-recyclable plastic waste to landfill be reinstated and the work schedule be agreed.

Clause 30-21 above was carried 15 votes to 0, the voting being as follows:

For:

Councillors Brent Barrett, Susan Baty, Rachel Bowen, Zulfiqar Butt, Vaughan Dennison, Renee Dingwall, Lew Findlay QSM, Patrick Handcock ONZM, Leonie Hapeta, Lorna Johnson, Billy Meehan, Orphée Mickalad, Karen Naylor, Bruno Petrenas and Aleisha Rutherford.

The meeting finished at 11.45am

Confirmed 15 September 2021

Chairperson

MEMORANDUM

TO: Environmental Sustainability Committee

MEETING DATE: 15 September 2021

TITLE: Progress Towards Actions in the Waste Management and Minimisation Plan 2019

PRESENTED BY: Mike Monaghan, Manager - Water Operations

APPROVED BY: Sarah Sinclair, Chief Infrastructure Officer

RECOMMENDATION TO ENVIRONMENTAL SUSTAINABILITY COMMITTEE

1. That the memorandum titled 'Progress Towards Actions in the Waste Management and Minimisation Plan 2019' reported to the Environmental Sustainability Committee on 15 September 2021 be received for information.
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1. BACKGROUND

- 1.1 The Waste Management and Minimisation Plan 2019 (WMMP), sets a target of increasing waste diversion from 38% to 48% by 2025. Reducing the amount of material sent to landfill will be achieved via 26 actions in the WMMP.
- 1.2 The current waste diversion rate, as of 30 June 2021, is estimated to be 40%. This will be confirmed by a solid waste analysis this financial year.

2. HIGHLIGHTS FROM 20/21

- 2.1 Many of the actions in the WMMP are business as usual for our collections, recycling and composting operations. These include kerbside rubbish and recycling collections, responding to illegal dumping incidents, sorting recycling in our materials recovery facility, composting green waste and food waste for sale to the community and wastewater treatment plant sludge for landfill cover.
- 2.2 In April 2021, Council resolved to reduce the range of plastics collected for recycling. This is consistent with central government's direction to phase out hard-to-recycle plastics by 2025. Aligning our stance with that of central government sends a clear message to the community that such items are problematic. Removing these materials has allowed more effort to be directed towards extracting valuable and readily recyclable plastics from the sorting line.

- 2.3 Existing Recycling Drop Off Points (RDOP) have been maintained, and in one case, upgraded. The new undercover facility at Awapuni, which was opened in July 2020, also includes CCTV cameras and improved signage. This has been successful in reducing windblown litter, improving the quality of recycling by improving security outside of hours, and increasing operational efficiencies.
- 2.4 A third annual Hazardous Waste Day was held in August 2020 to collect and dispose of hazardous waste. This event prevented 750 kilogrammes of hazardous chemicals from entering landfill or waterways, bringing the total hazardous waste diversion through these events to 2.55 tonnes. This event will next be held in 23/24, then every two years after that.
- 2.5 The Zero Waste Action Group (ZWAG) was established and is currently in the forming stage. Since it began, ZWAG has had representation from Rangitāne, Be Free Grocer, Just Zilch, Massey University, Environment Network Manawatu, Palmy's Plastic Pollution Challenge, and Council. The mission of the group is to "Collaborate, encourage and share information and knowledge to work towards achieving zero waste and a circular economy". This group aims to meet every two months and is open to any group or individual with an interest in Zero Waste.
- 2.6 Over recent months we have begun engaging more with Rangitāne in the waste management space. This is currently through the regular Rangitāne engagement process. We will continue to engage with Rangitāne and recognise the important role they have in our community and in kaitiakitanga. We have committed to using Te Reo more and this will be evident as we roll out the new look vehicles, wheelie bins, glass crates and rubbish bags. We will continue to build relationships with our Rangitāne partners.
- 2.7 We've investigated and are almost ready to introduce a contestable waste minimisation fund. It is intended that this will be made available in the 21/22 financial year to new projects with a focus on resource recovery.
- 2.8 We visited 46 schools and early childhood education centres (ECE) in the city. Site visits were followed up with a survey, in order to ascertain how to increase waste diversion in this sector. 61% of the participants surveyed responded, and from this, we identified that funding is the key barrier to recycling for schools and ECEs. Of the response, 79% stated that free or subsidised costs for recycling would be the most effective way to prevent waste from going to landfill. Closely following this, 62% of respondents identified staffing levels as a barrier to effective recycling.
- 2.9 We've worked with several large-scale food waste producers in the city to implement site-specific processes which has enabled their food waste to be diverted from landfill. These efforts, coupled with increased engagement with commercial entities citywide, have resulted in a 14% increase in food waste diversion in Palmerston North's commercial sector.

- 2.10 Palmerston North City Council (PNCC), Manawatu District Council and Central Demolition co-funded a feasibility study and business case for a regional Construction and Demolition Facility. This helped support an application to the Waste Minimisation Fund.
- 2.11 Central Environmental (a subsidiary company of Central Demolition) has been successful in an application to the Waste Minimisation Fund, which was supported by PNCC. They received \$750,000 to set up a regional construction and demolition waste processing facility in Feilding. Materials include concrete, native timber, and building materials will be recycled and reused. Work has already commenced, with a concrete crusher now located at site which crushes concrete back into aggregate which is then reused. Central Environmental aim to have this facility completed by April 2022.
- 2.12 Contributing to the amount of waste diverted from landfill, we've increased the range of materials we can accept. Cooking oil can now be dropped off at Ferguson Street recycling centre and there is a flat glass drop-off point at Awapuni for registered companies. Additionally, we are now able to send all polypropylene (number 5 plastic) to our local recycler – previously only approximately a third of this could be recycled.
- 2.13 Content for a 'Waste Hub' on our website was developed during 20/21, after feedback from Environment Network Manawatu (ENM) about greater transparency and information sharing. The content has a focus on reducing waste and provides a variety of information including tips on reducing waste, information about the different types of plastics, how the community can get involved and the services and facilities we provide. This went live in early August and provides another way for public to access information to help them reduce waste.

3. AREAS STILL NEEDING DEVELOPMENT

- 3.1 We're still working towards establishing a system for licensing waste and recyclable material collectors and transporters. We began engagement with private collectors to get the status quo for the data they currently collect. To move this project forward, software needs to be developed which will hold the data. We were unable to progress past this hurdle last year; however, Ministry for the Environment has recently announced that it will soon consult on waste diversion reporting. How this looks to councils is yet to be determined, however there is potential for a national data collection facility which may change the way PNCC invests in this area.
- 3.2 The true value of the RFID software has yet to be realised. Resource constraints again have hindered progress investigating software issues. The biggest investment of this project – the hardware – is still deployed and being kept up to date. When budgets and staffing levels allow, we intend to investigate incorporating the hardware into an all-encompassing platform to collect, store and analyse data from all waste management operational arms (compost, materials recovery and collections).

4. NEXT STEPS

- 4.1 There were several barriers this year which prevented us from diverting more from landfill, including resource constraints and the availability of contractors and consultants. Projects that will have a significant impact on increasing the diversion rate (e.g. recovering more food waste as well as construction and demolition waste) are due to being investigated further in the coming years.
- 4.2 We are continuing to look for solutions for hard to recycle products. Tyres have been a focus recently due to them being banned from landfills, and the introduction of the National Environmental Standard (NES) for the Outdoor Storage of Tyres which will take effect in August 2021. After this date we will have 6 months to obtain a consent for the tyre piles currently at Awapuni (which are the result of years' worth of illegal dumping collections). Although we will be able to meet the consent conditions, a better option is to find an avenue to remove these tyres from our site and direct them to beneficial use. We're still engaging with North Island service providers to secure a sustainable long-term solution for end of life tyres.
- 4.3 This coming year, we will undertake a Solid Waste Analysis Protocol (SWAP) and waste assessment, which will mean an early review of the WMMP. Bringing this review forward a few years will allow us to incorporate the recent legislative changes, to bring our direction in line with that of central government's. An early review will also mean we're able to align our actions with timeframes set in the long-term plan. The information from the SWAP and waste assessment will be able to provide us with a more accurate indication of waste diversion.
- 4.4 A food waste collection trial is scheduled for 22/23 (Program 2044 – Citywide – Kerbside Foodwaste – Investigations and Trial). The waste assessment conducted in 2019 revealed that removing food waste from the residual waste stream will have a big impact towards increasing our waste diversion target, and a trial will allow us to identify operational efficiencies and barriers. Composting food waste releases significantly less carbon than landfilling. In a landfill, decomposition is anaerobic, producing methane (CH₄). Composting occurs under aerobic conditions which releases carbon dioxide (CO₂). The environmental impact of CH₄ is significantly greater than that of CO₂, so reducing or composting food waste has much less of an impact on carbon emissions.

5. SUMMARY

- 5.1 Although there was only slight movement in waste diversion city wide, we have made good progress amid the constraints of a COVID recovery environment. We expect more momentum in reducing waste to landfill once key activities – food waste collection and Construction and Demolition waste facilities are established.

6. COMPLIANCE AND ADMINISTRATION

Does the Committee have delegated authority to decide? If Yes quote relevant clause(s) from Delegations Manual	Yes
Are the decisions significant?	No
If they are significant do they affect land or a body of water?	No
Can this decision only be made through a 10 Year Plan?	No
Does this decision require consultation through the Special Consultative procedure?	No
Is there funding in the current Annual Plan for these actions?	Yes
Are the recommendations inconsistent with any of Council's policies or plans?	No
The recommendations contribute to Goal 4: An Eco City	
The recommendations contribute to the achievement of action/actions in Resource Recovery The actions are:	
<ul style="list-style-type: none"> • Ensure the city's solid waste is adequately and affordably managed • Maximise the proportion of waste diverted from landfill (e.g through recycling and composting) • Manage hazardous waste in an environmentally responsible manner. 	
Contribution to strategic direction and to social, economic, environmental and cultural well-being	This report on actions in the Waste Management and Minimisation Plan (WMMP) provides Elected Members with an update on progress to achieving the outcomes of that Plan. And contributes information that will support the next review of the WMMP.

ATTACHMENTS

1. WMMP Action Progress 2021  

MEMORANDUM

TO: Environmental Sustainability Committee

MEETING DATE: 15 September 2021

TITLE: PNCC Organisational Emissions Inventory and Management Plan

PRESENTED BY: Adam Jarvis, Senior Climate Change Advisor

APPROVED BY: David Murphy, Chief Planning Officer

RECOMMENDATION TO ENVIRONMENTAL SUSTAINABILITY COMMITTEE

- 1. That the memorandum titled 'PNCC Corporate Emissions Inventory and Management Plan' and the attachments titled '2019-20 PNCC Emissions Inventory Report' and '2021-2024 PNCC Emissions Management and Reduction Plan' reported to the Environmental Sustainability Committee on 15 September 2021 be received for information.**
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1. ISSUE

- 1.1 Through the Eco City Strategy 2021, Palmerston North City Council has set itself the target of a citywide 30% reduction in carbon emissions by 2031, compared to the 2015/16 baseline. Council has been tracking progress towards its emission reduction goals since establishing this baseline, through the 'Toitū Carbonreduce' programme.
- 1.2 The '2019/20 PNCC Emissions Inventory Report' (attachment 1) is the fifth such report to be produced; it enumerates PNCC's corporate emissions (i.e. emissions resulting from Council activities) during the 2019/20 financial year. This report and the associated source data have been independently audited by Toitū Envirocare, giving Council and external partners assurance that the figures contained within are accurate.
- 1.3 As a result of Council actions, PNCC emissions have fallen from 26,444tCO₂e in 2015/16, to 20,440tCO₂e in 2019/20: a 23% reduction. Non-landfill related emissions fell from 6,719tCO₂e to 5,512tCO₂e over the same period: an 18% reduction overall, but a slight increase from the previous 18/19 period. As per officer guidance to the 9 September 2020 Environmental Sustainability Committee, a stalling of Council's efforts to reduce non-landfill emissions was expected, given that many of the straightforward emission reduction opportunities had already been actioned in previous years.

1.4 As part of its 2021 Long Term Plan deliberations, Council approved a \$1,000,000 per annum 'Low Carbon Fund'. This fund will enable the upfront capital works required to achieve longer-term operational emission reductions. This programme, along with other operational emission's management actions are recorded in the '2021–2024 PNCC Emissions Management and Reduction Plan' (attachment 2).

2. BACKGROUND

2.1 The PNCC Internal Emissions Report is compiled from usage and emissions data from the following emissions sources:

- Council stationary energy (electricity, natural gas, diesel generators) across all sites
- Wastewater processing emissions
- Vehicular fuel usage
- 'Small Plant Item' (e.g. chainsaws, leaf blowers, etc.) fuel usage
- Diesel use by Council generators
- Methane release from Awapuni and Ashhurst Landfills
- Gross waste tonnages collected from all sites
- Air travel
- Staff commuting and taxi travel
- Air-conditioning unit gas refills
- Fertilizer use

2.2 The emissions inventory uses the Ministry for the Environment's standard emissions factors and guidelines. This inventory has been externally audited by Toitū Envirocare to provide confidence to Council and other interested parties that our emissions inventory is a true reflection of Council's emissions profile.

2.3 An overview of PNCC's 2019/20 emissions inventory is provided below in Figure 1. It shows total corporate emissions (top left), breaks down Council's emissions by site/activity class (bottom left), by scope (upper right), and finally by aggregate source (lower right).

Note: The inventory is presented in terms of 'carbon dioxide equivalent' or 'CO₂e'. This is because other gases such as methane and nitrous oxide have different relative impacts per unit weight. For example, the refrigerant R-22, typically only released in very small volumes, has a global warming potential 12,000 greater than carbon dioxide. CO₂e accounting allows for the global warming potential of different greenhouse gases to be compared with one another.

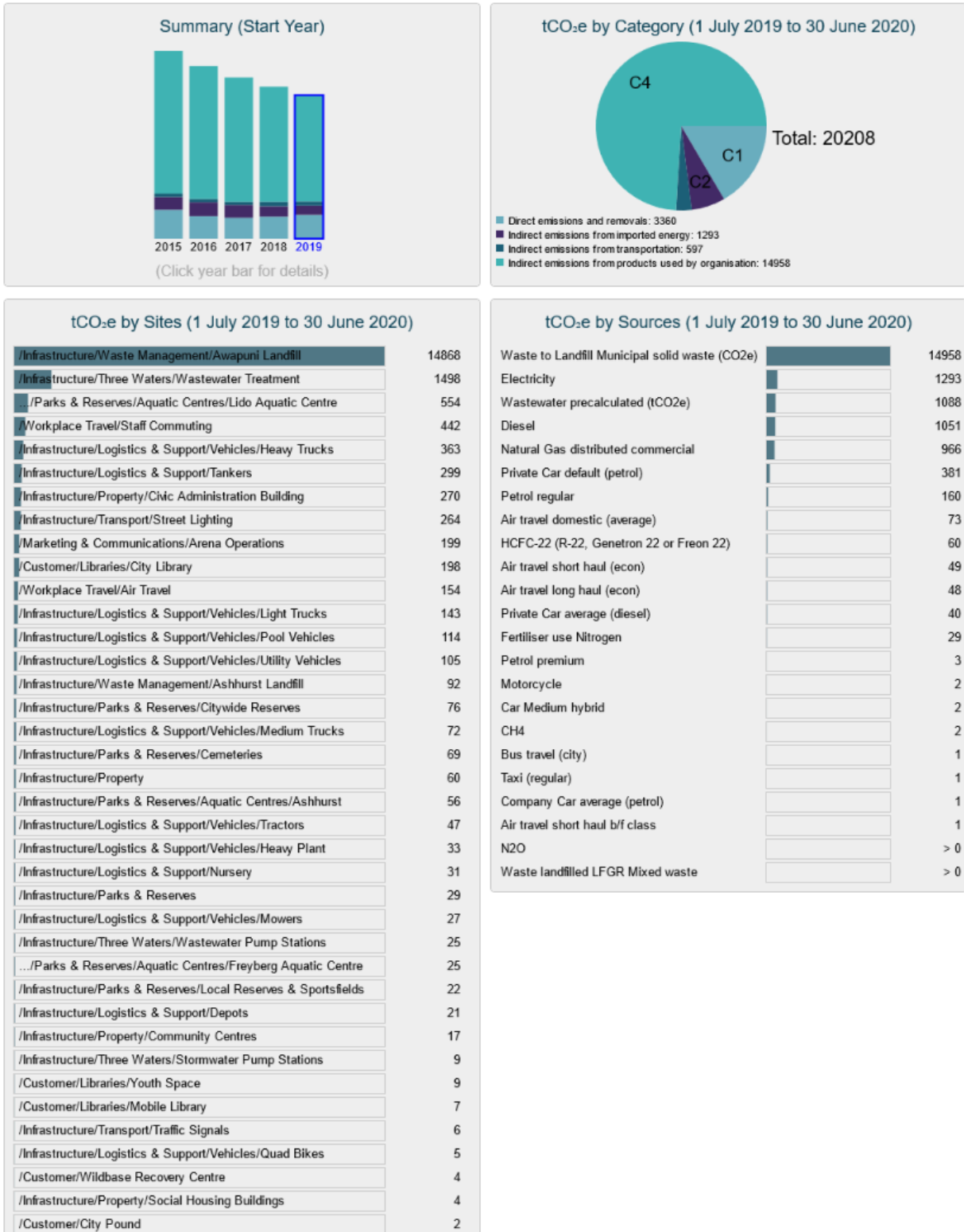


Figure 1 Organisational Emissions Summary

3. NEXT STEPS

- 3.1 The primary vehicle for the delivery of PNCC emission reductions over the next three years is the \$1,000,000 'Low Carbon Fund'. The fund is allocated each year towards the projects that will deliver the greatest operational emission reductions per net-present dollar spent (i.e. taking future cost savings into account), with a 30% weighting towards wider strategic benefits.
- 3.2 Given that most of the 'low hanging' emission reduction opportunities have been completed in previous years, and Council needs to take a more structured approach to further emission reductions. The establishment of the Low Carbon Fund will allow a more structured approach to future emissions reduction decision making, allowing for the more effective allocation of resources, and hence enabling more effective emission reduction projects overall.
- 3.3 To inform future capital investment and benchmark performance, Council will continue to participate in the 'Carbonreduce' programme: collecting corporate emissions data and reporting these annually.

4. COMPLIANCE AND ADMINISTRATION

Does the Committee have delegated authority to decide?	Yes
Are the decisions significant?	No
If they are significant do they affect land or a body of water?	No
Can this decision only be made through a 10 Year Plan?	No
Does this decision require consultation through the Special Consultative procedure?	No
Is there funding in the current Annual Plan for these actions?	Yes
Are the recommendations inconsistent with any of Council's policies or plans?	No
The recommendations contribute to Goal 4: An Eco City	
The recommendations contribute to the achievement of the Eco City Strategy goal of a 30% reduction in carbon emissions by 2031.	
Contribution to strategic direction and to social, economic, environmental and cultural well-being	The emissions inventory and management plan detail Council's progress on reducing its own internal corporate emissions in line with the Eco City Strategy goal.

ATTACHMENTS

1. 19/20 PNCC Emissions Inventory Report [↓](#) 
2. 2021-2024 PNCC Emissions Management and Reduction Plan [↓](#) 

COMMITTEE WORK SCHEDULE

TO: Environmental Sustainability Committee

MEETING DATE: 15 September 2021

TITLE: Committee Work Schedule- September 2021

RECOMMENDATION TO ENVIRONMENTAL SUSTAINABILITY COMMITTEE

- 1. That the Environmental Sustainability Committee receive its Work Schedule dated September 2021.**

ATTACHMENTS

1. Committee Work Schedule September 2021  

ENVIRONMENTAL SUSTAINABILITY COMMITTEE

COMMITTEE WORK SCHEDULE – SEPTEMBER 2021

Item No.	Estimated Report Date	Subject	Officer Responsible	Current Position	Date of Instruction/ Point of Origin
1.	September November 2021	Investigate options for eco-burial in Palmerston North	Chief Infrastructure Officer	Team changes and recruitment being undertaken	9 December 2020 clause 19.2
2.	November 2021	Environmental Sustainability Report 2021	Assistant Chief Executive		Terms of Reference of Committee
3.	2021	Waste Management and Minimisation Plan, including percentage waste diversion from landfill, and on total tonnes of waste sent to landfill	Chief Infrastructure Officer		Planning & Strategy clause 46 5 June 2019 9 September 2020 clause 17.2
3.	Late 2022	Environmental Sustainability Report 2022	Assistant Chief Executive	Investigate update addendum for this calendar year	Terms of Reference of Committee

Oasis # 13971092