



PALMERSTON NORTH CITY COUNCIL

AGENDA

ENVIRONMENTAL

SUSTAINABILITY COMMITTEE

9AM, WEDNESDAY 19 MAY 2021

COUNCIL CHAMBER, FIRST FLOOR,
CIVIC ADMINISTRATION BUILDING,
32 THE SQUARE, PALMERSTON NORTH



MEMBERSHIP

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

Vaughan Dennison
Renee Dingwall
Lorna Johnson
Billy Meehan

Orphée Mickalad
Karen Naylor
Aleisha Rutherford
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

Palmerston North City Council

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ENVIRONMENTAL SUSTAINABILITY COMMITTEE MEETING

19 May 2021

ORDER OF BUSINESS

NOTE: 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. Presentation - Alsco Palmerston North Page 7

6. Presentation - Enviroschools Programme Page 9

7. Confirmation of Minutes Page 11

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

8. 2020 Citywide Emissions Inventory Page 15

Memorandum, presented by David Murphy, Acting General Manager - Strategy and Planning.

9. Committee Work Schedule Page 21

10. 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	Ground(s) under Section 48(1) for passing this
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PALMERSTON NORTH CITY COUNCIL

	to each matter	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].

PRESENTATION

TO: Environmental Sustainability Committee

MEETING DATE: 19 May 2021

TITLE: Presentation - AlSCO Palmerston North

RECOMMENDATION TO ENVIRONMENTAL SUSTAINABILITY COMMITTEE

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

Steve Barden, Group General Manager from AlSCO will speak on the work they have been doing in the environmental sustainability space.

ATTACHMENTS

NIL

PRESENTATION

TO: Environmental Sustainability Committee

MEETING DATE: 19 May 2021

TITLE: Presentation - Enviroschools Programme

RECOMMENDATION TO ENVIRONMENTAL SUSTAINABILITY COMMITTEE

- 1. That the Environmental Sustainability Committee receive the presentation on the Enviroschools Programme.**
-

SUMMARY

Sarah Williams, Environmental Educator and Niki Burtenshaw from Monrad Intermediate School will make a presentation regarding the Enviroschools programme.

ATTACHMENTS

Nil

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 09 December 2020, commencing at 9.02am

Members Present: Councillor Brent Barrett (in the Chair), The Mayor (Grant Smith), Councillors Zulfiqar Butt, Vaughan Dennison, Renee Dingwall, Lorna Johnson, Billy Meehan, Karen Naylor, Aleisha Rutherford and Mr Chris Whaiapu.

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

19-20 Presentation - Palmerston North Women's Health Collective and Palmerston North Women's Centre

Dr Jean Hera, Manager and Community Health Worker, Te Hā o Hine-ahu-one Palmerston North Women's Health Collective, and Ms Krys Baker, volunteer co-ordinator for Te Whare o Ngā Wāhine Palmerston North Women's Centre, made a presentation regarding the need for an eco-burial cemetery option for Palmerston North, the need to address funeral poverty, and their plan to collaborate with other groups to support simple, natural (eco-friendly) after-death choices/options, with an emphasis on family and community led after-death care options.

Dr Hera and Ms Baker urged Council to support the establishment of eco-burial options as part of the mahi of striving for an eco-city. This could initially be part of the current Palmerston North City Council (PNCC) land used for burials, it could be a collaboration with the wider region, or a PNCC stand-alone suitable natural burial site.

PNCC almost set up an eco-burial site a few years ago but this was challenged as being flood prone land and was abandoned.

The group has begun networking locally and would like to see a community resource set up to help provide low cost options for whānau wanting to make arrangements without using a funeral director. A personalised after-death time that fulfils the wishes of the deceased and those close to them is often very important to people. Low cost options and appropriate community support for whānau and their support people can be crucial in addressing funeral poverty.

After discussion Elected Members requested that options for eco-burial in Palmerston North be investigated and reported back to the Committee.

Moved Rachel Bowen, seconded Aleisha Rutherford.

The **COMMITTEE RESOLVED**

1. That the presentation from Te Hā o Hine-ahu-one Palmerston North Women's Health Collective Inc. and Te Whare o ngā Wāhine Palmerston North Women's Centre be received for information.
2. That the presentation be referred to the Chief Executive to investigate options for eco-burial in Palmerston North and report back to this Committee.

Clause 19-20 above was carried 16 votes to 0, the voting being as follows:

For:

The Mayor (Grant Smith) and 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, Karen Naylor, Bruno Petrenas and Aleisha Rutherford, and Mr Chris Whaiapu.

20-20

Presentation - Manawatū River Source to Sea

Dr Heather Knox and Ms Stewart Harrex made a presentation regarding the Palmy Plastic Pollution Challenge, which is using citizen science to benchmark and address plastic pollution in Palmerston North and the wider Manawatū.

Key outcomes/preliminary findings from events in 2019 included over 11,000 litter items collected – 272 items of litter collected per site (100m²) (much higher than other reported litter surveys) from sample sites that made up approximately 3% of the total length of the main city streams. It is estimated over 360,000 items of mostly plastic litter has the potential to be mobilised from the streams into the Manawatū River.

The project was able to achieve an immense amount on a very small budget, thanks to the significant number of volunteers involved.

This year's focus has been Te Kawau Stream, as this is the area where the largest amount of plastic litter is accumulating. Te Kawau Stream Public Spring Clean-Ups were held in September and October in 11 sections of the stream, with the assistance of a range of school, community, business and cultural groups – over 1,300 people were involved.

Future goals include advocacy for change in central government waste policies and programmes, eliminating waste plastic from the local environment, and a three to five year plan under development (likely to require co-funding). More immediate opportunities to work together included ensuring Palmerston North is correctly recycling all the plastic that it can, reducing single-use plastic usage as much as possible, and addressing fly-tipping issues.

Moved Zulfiqar Butt, seconded Leonie Hapeta.

The **COMMITTEE RESOLVED**

1. That the presentation from Manawatū River Source to Sea be received for information.

Clause 20-20 above was carried 16 votes to 0, the voting being as follows:

For:

The Mayor (Grant Smith) and 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, Karen Naylor, Bruno Petrenas and Aleisha Rutherford, and Mr Chris Whaiapu.

21-20 Confirmation of Minutes

Moved Brent Barrett, seconded Aleisha Rutherford.

The **COMMITTEE RESOLVED**

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

Clause 21-20 above was carried 15 votes to 0, with 1 abstention, the voting being as follows:

For:

The Mayor (Grant Smith) and Councillors Brent Barrett, Susan Baty, Rachel Bowen, Zulfiqar Butt, Vaughan Dennison, Renee Dingwall, Patrick Handcock ONZM, Leonie Hapeta, Lorna Johnson, Billy Meehan, Karen Naylor, Bruno Petrenas and Aleisha Rutherford, and Mr Chris Whaiapu.

Abstained:

Councillor Lew Findlay QSM.

22-20 Presentation of the Environmental Sustainability Review 2020

Memorandum, presented by Michael Duindam, Acting City Planning Manager and Don Martin, Head of Communications & Content.

Moved Grant Smith, seconded Lorna Johnson.

The **COMMITTEE RESOLVED**

That the memorandum titled 'Presentation of the Environmental Sustainability Review 2020' and report titled '*Environmental Sustainability Review 2020*', presented to the Environmental Sustainability Committee on 9 December 2020, be received for information.

Clause 22-20 above was carried 16 votes to 0, the voting being as follows:

For:

The Mayor (Grant Smith) and 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, Karen Naylor, Bruno Petrenas and Aleisha Rutherford, and Mr Chris Whaiapu.

23-20 Committee Work Schedule

Moved Brent Barrett, seconded Aleisha Rutherford.

The **COMMITTEE RESOLVED**

That the Environmental Sustainability Committee receive its Work Schedule dated December 2020.

Clause 23-20 above was carried 16 votes to 0, the voting being as follows:

For:

The Mayor (Grant Smith) and 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, Karen Naylor, Bruno Petrenas and Aleisha Rutherford, and Mr Chris Whaiapu.

The meeting finished at 10.49am

Confirmed 19 May 2021

Chairperson

MEMORANDUM

TO: Environmental Sustainability Committee

MEETING DATE: 19 May 2021

TITLE: 2020 Citywide Emissions Inventory

PRESENTED BY: Adam Jarvis, Senior Climate Change Advisor

APPROVED BY: David Murphy, Acting General Manager - Strategy and Planning

RECOMMENDATION TO ENVIRONMENTAL SUSTAINABILITY COMMITTEE

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

The Eco City Strategy 2018 set a target of a 25% reduction in citywide emissions by 2028, compared to the 2016/17 baseline. The Draft Eco City Strategy 2021, currently out for consultation, strengthens this target to a 30% reduction by 2030. This inventory has been prepared to measure progress against these targets.

This memo has not been prepared to inform policy responses by the Council to work towards the Eco City Strategy target. Work continues on the development of a 'Low Carbon Roadmap' that will inform future policy responses.

2. BACKGROUND

In 2016/17 PNCC conducted its first citywide inventory to provide context for the Eco City Strategy's 25% citywide carbon emission reduction target. This inventory was conducted by AECOM and was presented to Council in 2018. This latest inventory follows the same methodology and has been completed 'in-house' by Council staff.

2020 was a very unusual year, and it should come as no surprise that the 2020 inventory has returned some surprising results, as can be seen in Table 1. While some of the observed increase can be reasonably expected to be transient (particularly forestry related emissions, as discussed below), this inventory highlights the scale of the challenge ahead of Palmerston North to meet the 25% reduction target, and the national target, set through the Climate Change Response (Zero Carbon) Amendment Act 2019, of carbon neutrality by 2050.

ITEM 8

Sector/Category Source		Emissions (tCO ₂ e)		tCO ₂ e difference since 16/17 (%)
Stationary Energy	Electricity Consumption	51233	169113	+34626 (+25%)
	Electricity T&D Loss	5337		
	Petrol and Diesel	48156		
	Natural Gas	47923		
	Natural Gas T&D Loss	5473		
	LPG	9523		
	Landfill Gas	7		
	Coal	1460		
	Biofuels	1		
Transportation	Petrol	128734	231682	-11229 (-4.7%)
	Diesel	90179		
	Rail Emissions	1642		
	Jet Kerosene	9380		
	Av Gas	975		
	LPG	772		
Waste	Solid Waste Disposal	38739	40537	+6649 (+14%)
	Waste Water	1798		
IPPU (Industry)		32040		+5151 (+19%)
Agricultural		167767		+45158 (+37%)
Total gross emissions (excl. forestry)		641139		+67283 (+12%)
Forestry	Exotic Forest Sequestration	-79,816	-1631	N/A
	Native Forest Sequestration	-19,191		
	Total Harvest Emissions	97376		
Total net emissions (incl. forestry)		639508		+135310 (+27%)

Table 1. Results of the 2020 Citywide Carbon Inventory

When comparing with the 2016/17 baseline, 2020 saw notable increases in electricity, stationary petrol and diesel, and LPG usage. These increases were likely the result of lockdown, with increased working-from-home causing a greater reliance on personal heaters (rather than more efficient centralised office heaters) and on-site generators to sustain remote operations. Meanwhile, coal use continued to decline, while other sources of stationary energy emissions remained level.

The transport sector saw minor declines in petrol and jet kerosene emissions, likely the result of the level 3/4 lockdown temporarily bringing a complete halt to private travel. The impact of this lockdown reduction was offset somewhat by higher travel demand in the months following as pent-up demand for holidays and other travel took effect. Other transportation emission sources remained relatively level. Electric vehicle registrations increased approximately five-fold since 16/17 but remain less than 0.3% of the fleet regionally.

Wastewater emissions declined slightly, while solid waste disposal emissions increased, likely as a result of the temporary halt in PNCC recycling services during lockdown.

Industrial emissions (e.g. refrigerants, aerosols, chemical process emissions) increased nationwide during 2020, perhaps as a result of a drop-off in air conditioning maintenance schedules during lockdown leading to a significant uptick in refrigerant leaks and hence top-up usage.

Agricultural emissions in Palmerston North have increased significantly since 2016/17 due almost entirely to significant dairy conversions since the previous study. Dairy cattle numbers have increased by a factor of roughly 6 over the past 5 years, though it remains to be seen whether this is merely temporary, or reflective of a longer-term trend.

Forestry emissions increased significantly since the 2016/17 baseline due to a large area of commercial pine being harvested since that period (predominantly subsequently replanted), along with modest one-off clearances of bush associated with the development of the Mercury Windfarm. Given the cyclical nature of the forestry industry, officers do not expect that a substantial volume of harvest emissions will continue to be reflected in future inventories.

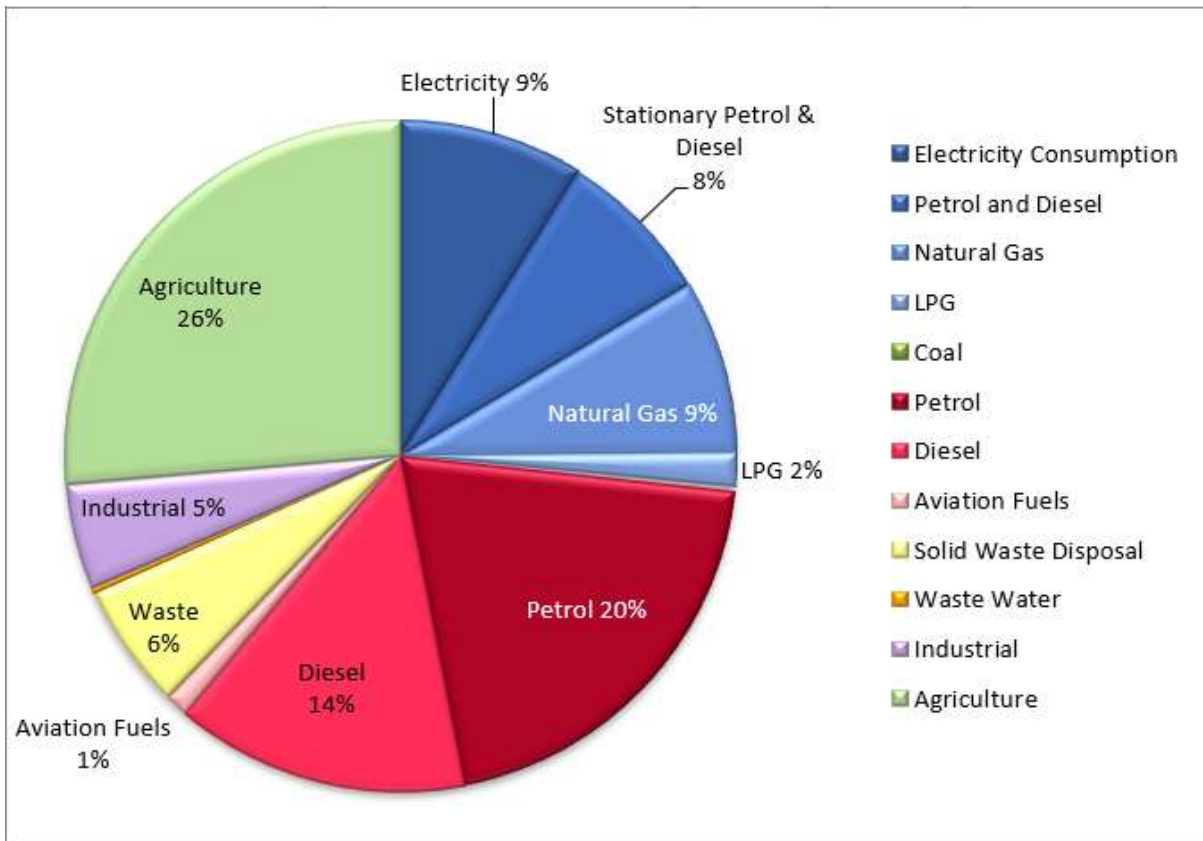


Chart 1. Comparison of primary emission sources expressed as a percentage of total

3. NEXT STEPS

Council officers will continue to monitor citywide emissions. It is anticipated that the next inventory will be for the 2022 calendar year, and will be published in 2023 for the benefit of the general public.

Work continues on the development of a ‘Low Carbon Roadmap’. While a draft was initially expected to be reported to this committee meeting, more time is required to fully integrate the recently released advice of the Climate Change Commission and solicit community feedback. Furthermore, the Low Carbon Roadmap will inform the development of the next Long Term Plan. Delaying the ‘Low Carbon Roadmap’ until after the 2021 Long Term Plan (LTP) is adopted will avoid the risk of the general public assuming (wrongly) that feedback given on a draft Low Carbon Roadmap now would be reflected in the 2021 LTP.

An organisational emissions inventory is currently being compiled for the 2019/20 financial year. It is expected that this inventory will be externally audited in July, and reported to the September Environmental Sustainability Committee.

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 outcomes of the Eco City Strategy	
The recommendations contribute to the achievement of action/actions in the Sustainable Practices Plan	
The action is: Develop a road map to achieving a low carbon city.	
Contribution to strategic direction and to social, economic,	Measuring progress towards the Eco City Strategy carbon reduction target.

environmental and cultural well- being	
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ATTACHMENTS

Nil

COMMITTEE WORK SCHEDULE

TO: Environmental Sustainability Committee

MEETING DATE: 19 May 2021

TITLE: Committee Work Schedule

RECOMMENDATION TO ENVIRONMENTAL SUSTAINABILITY COMMITTEE

1. That the Environmental Sustainability Committee receive its Work Schedule dated May 2021.

ATTACHMENTS

1. Work Schedule May 2021 [↓](#)

ENVIRONMENTAL SUSTAINABILITY COMMITTEE

COMMITTEE WORK SCHEDULE – MAY 2021

Item No.	Estimated Report Date	Subject	Officer Responsible	Current Position	Date of Instruction/ Point of Origin
1.	19 May 2021	Report on options, including education, to reduce non-recyclable plastic waste to landfill, which could be delivered to the community alongside any change in PNCC plastic recycling services	Chief Infrastructure Officer	To be circulated in the Friday compendium and published on the website.	Council clause 136 25 November 2020
2.	15 September 2021	Investigate options for eco-burial in Palmerston North	Chief Infrastructure Officer		9 December 2020 clause 19.2
3.	17 November 2021	Environmental Sustainability Report 2021	General Manager – Marketing & Communications		Terms of Reference of Committee
4.	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
5.	late 2022	Environmental Sustainability Report 2022	General Manager Marketing & Communications		Terms of Reference of Committee