

Response ANON-NZPP-D2E2-N

Climate action for Aotearoa

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Name (enter in text box):

s 9(2)(a) (The 1point5 Project)

Analyst notes:

s 9(2)(a)

Tags:

Email (write into text box):

s 9(2)(a)

Analyst notes:

Tags:

In what capacity are you responding to this survey? Select from the dropdown list.:

Personal

other/additional capacity:

Advocate for science and equity appropriate climate action

Iwi/hapu affiliation:

Analyst notes:

Tags:

What part of Aotearoa are you from? Select from the dropdown list).:

Auckland (Tāmaki-makau-rau)

Please specify if you are from outside Aotearoa:

Nouvelle-Zélande

Analyst notes:

Tags:

age group:

s 9(2)(a)

Analyst notes:

Tags:

Consent:

Yes

Publish doc:

No file uploaded

Analyst notes:

Tags:

Skiplogic:

I want to submit a pre-prepared response

File upload:

Download response <https://haveyoursay.climatecommission.govt.nz/comms-and-engagement/future-climate-action-for-aotearoa/consultation/download_file?squid=question-2021-01-19-0131576176-filesubquestion&user=ANON-NZPP-D2E2-N> (1.1 MB)

moderated file upload:

No file uploaded

Analyst notes:

Tags:

Your one big thing::

Not Answered

Analyst notes:

Tags:

option to end submission after one big thing:

Not Answered

Analyst notes:

Tags:

Six big decisions Q1:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

Six big decisions Q2 :

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

Six big decisions Q3:

Not Answered

If you would like to give us more information, you can do so below:

Not Answered

Analyst notes:

Tags:

Six big decisions Q4 :

Not Answered

Q4 Forests and role of trees:

Not Answered

Analyst notes:

Tags:

Big issues - 5:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

Six big decisions Q6:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

option to end submission after six big issues:

Not Answered

Analyst notes:

Tags:

Question on principles:

Not Answered

Please explain your answer (400 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

Q2 Emission budget levels - Emissions budget 1 (2022 – 2025):

Q2 Emission budget levels - Emissions budget 2 (2026-2030):

Q2 Emission budget levels - Emissions budget 3 (2031-2035):


Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

S 9(2)(g)(i)



Tags:

agriculture and land use, biogenic methane, More ambition

Q3 - Gross long-lived gases:

Q3 - Biogenic methane:


Q3 - Forestry:

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)



Tags:

biogenic methane, More ambition, rules for measuring progress

Q4:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

Ambition about right

Q5 Cross party support:


Not Answered

Please explain your answer (400 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)



Tags

Q6 Coordinate efforts:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

Q7 Iwi/Māori partnership:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

8. Central and local govt:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

Q9 Public process:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

10 Lock in net zero:

Not Answered

Please explain your answer (400 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

11 Net zero:

Not Answered

Please explain your answer (400 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

Q12:

Not Answered


Please explain your answer (1000 word limit):

Not Answered

Analyst notes:


S 9(2)(g)(i)

S 9(2)(g)(i)



Tags

S 9(2)(g)(i)



Q13 Inclusive transition:


Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)



Tags:

More ambition, obligation as a developed nation

14 Transport:


Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)



Tags:

active transport, electric vehicles, Faster action, ICE ban, More ambition, public transport

15 HIP:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

No comment.

Tags:

16 Agriculture:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

17 Forestry:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

18 Waste:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

19 Multi sector:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

20 Rules for measuring progress:

Not Answered

Please explain your answer:

Not Answered

Analyst notes:

Tags:

21:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

22:

Not Answered

Please explain your answer (400 word limit):

Not Answered

Analyst notes:

S
9(2)
(g)(i)

Tags:

23:

Not Answered

Please explain your answer (400 word limit):

Not Answered

Analyst notes:

Tags:

24:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

Last Modified Date:

2021-05-07 11:20:58.787140

Response ID:

ANON-NZPP-D2E2-N

IP Address:

s 9(2)(a)

Created Date:

2021-03-22 10:46:49.426310

Citizen Space Version:

v6.0.2

Analysed:

Yes

Consultation State:

open

Browser Identification:

Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)

Chrome/89.0.4389.90 Safari/537.36

Submitted Date:

2021-03-22 10:48:29.566159

Visited Pages:

('intro', 'subpage.2021-01-18.8875492208')

S 9(2)(a)

From: Jo Hendy
Sent: Monday, 22 March 2021 11:59 am
To: S 9(2)(a)
Subject: Fwd: Heads up for Thursday.
Attachments: CCC Submission 150321PWP1 Final.pdf

Let's chat about this

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From: s 9(2)(a) - Representative of The1.5Project
Sent: Monday, March 22, 2021 11:03 AM
To: Jo Hendy
Subject: Heads up for Thursday.

Hi Jo,

I hope the consultation phase is treating you well. Your team has been wonderful to engage with over the past year and its good to see this discussion coming out now.

You and I are speaking at S 9(2)(a). I'll be arguing that CCC budgets need way more ambition (should be less than 460 million tonnes 2021-2030 vs the 628m tonnes proposed) to meet the purpose of the Act in science let alone equity and that transport is the marginal player who will have to do way more than proposed in the draft. I'll also argue that the Draft Advice underestimated, and under communicated, the rate at which VKT can be reduced through modeshift.

I've attached my submission which I'll draw from. This has been prepared in conjunction with the mob from Lawyers for Climate Action (we bounced back and forward on respective submissions) so I'm abreast of discussions with S 9(2)(a) on technical aspects of NDC/gross-net etc etc.

I just wanted to give you a heads up before Thursday so this isn't a surprise. Yell out if there's anything further I can add or do.

Looking forward to the discussion Thursday.

s 9(2)(a)

S 9(2)(a)

S 9(2)(a)

From: Rod Carr
Sent: Friday, 26 March 2021 5:34 pm
To: Jo Hendy; S 9(2)(a)
Subject: Re: [UNCLASSIFIED] RE: Mistake in NDC calc

Monday should be fine.
 Rod

From: Jo Hendy <S 9(2)(a)@climatecommission.govt.nz>
Sent: Friday, March 26, 2021 5:16 PM
To: Rod Carr
Subject: RE: [UNCLASSIFIED] RE: Mistake in NDC calc

I'll ask S 9(2)(a) to follow up on Monday – unless you think it warrants an earlier reply?

From: Rod Carr <Roderick.Carr@climatecommission.govt.nz>
Sent: Friday, 26 March 2021 5:04 pm
To: Jo Hendy <S 9(2)(a)@climatecommission.govt.nz>
Subject: Re: [UNCLASSIFIED] RE: Mistake in NDC calc

Can someone let S 9(2)(a) - Representative of The1.5Project know or shall I?

From: Jo Hendy <S 9(2)(a)@climatecommission.govt.nz>
Sent: Friday, March 26, 2021 4:52:14 PM
To: Rod Carr <Roderick.Carr@climatecommission.govt.nz>
Subject: FW: [UNCLASSIFIED] RE: Mistake in NDC calc

fyi

From: S 9(2)(a)@climatecommission.govt.nz
Sent: Friday, 26 March 2021 4:51 pm
To: Jo Hendy <S 9(2)(a)@climatecommission.govt.nz>; S 9(2)(a)@climatecommission.govt.nz
Subject: [UNCLASSIFIED] RE: Mistake in NDC calc

[UNCLASSIFIED]

Hi Jo

S 9(2)(g)(i)

Cheers

S 9(2)(a)

[UNCLASSIFIED]

From: Jo Hendy <S 9(2)(a) climatecommission.govt.nz>
Sent: Friday, 26 March 2021 4:45 pm
To: S 9(2)(a) @climatecommission.govt.nz; S 9(2)(a) @climatecommission.govt.nz>
Subject: FW: Mistake in NDC calc

From: s 9(2)(a) - Representative of The1.5Project
Sent: Friday, 26 March 2021 1:52 pm
To: Rod Carr <Roderick.Carr@climatecommission.govt.nz>
Cc: Jo Hendy <S 9(2)(a) climatecommission.govt.nz>
Subject: Mistake in NDC calc

Hi Rod

Thanks for your time as always yesterday. No idea how you do it.

I wanted to clarify one thing and yesterday wasn't the place. The point I made isn't a gross-net issue though we do take issue with this.

It's a mistake in Table 10.2 (below) where 34,958 is labelled as Net but its actually a Gross Figure (<https://emissionstracker.mfe.govt.nz/#NrAMBoEYF12TwCIDiAnA9gZ042wBM4+okoeAHertEA>)

As such there would seem to be three options:

1. Right label (net), wrong number = NDC way off (we have assumed it's this)
2. Wrong label (should be gross), right number (34,958)
3. Somehow the term "Net carbon dioxide" is meant to mean "Gross GHG accounting"??

At the very least I think this warrants testing explicitly with the team as if it's a mistake its material.

s 9(2)(a)

Table 10.2: Aotearoa NDC emissions trajectory start and end point calculations by gas

	Start point		2010 emissions (kt gas)	End point	
	1990 emissions (kt gas)	2020 target 5% reduction on 1990 (kt gas)		IPCC 2030 Lower Quartile reductions (kt gas)	IPCC 2030 Upper Quartile reductions (kt gas)
Net carbon dioxide	25,446	24,174	34,958	20,975	14,682
Methane	1,292	1,227	1,373	1,222	961
Nitrous oxide	16.5	15.7	23.1	23.8	18.2

S 9(2)(a)

S 9(2)(a)

From: S 9(2)(a)
Sent: Tuesday, 30 March 2021 9:57 am
To: S 9(2)(a)
Subject: FW: [UNCLASSIFIED] RE: Mistake in NDC calc

[UNCLASSIFIED]

FYI

[UNCLASSIFIED]

From: s 9(2)(a) - Representative of The1.5Project
Sent: Tuesday, 30 March 2021 9:00 am
To: S 9(2)(a) @climatecommission.govt.nz; Rod Carr <Roderick.Carr@climatecommission.govt.nz>; S 9(2)(a) @climatecommission.govt.nz
Cc: Jo Hendy <S 9(2)(a) climatecommission.govt.nz>
Subject: RE: [UNCLASSIFIED] RE: Mistake in NDC calc

s 9(2)(a)
 Thanks and all on this thread for clarifying this point.
 All the best with the reading in front of you!

s 9(2)(a)

S 9(2)(a)

De : S 9(2)(a) @climatecommission.govt.nz>
Envoyé : Monday, 29 March 2021 12:11 PM
À : Rod Carr <Roderick.Carr@climatecommission.govt.nz>; s 9(2)(a) - Representative of The1.5Project
 S 9(2)(a) @climatecommission.govt.nz>
Cc : Jo Hendy <S 9(2)(a) climatecommission.govt.nz>
Objet : [UNCLASSIFIED] RE: Mistake in NDC calc

[UNCLASSIFIED]

Hi

s 9(2)(a)
 It's a combination of 2 and 3. The line in that table deliberately includes both gross and net CO2 emissions – so the figures themselves are correct but the label is confusing. Earlier in the chapter (page 6 about 2 pages before that table) we describe that for forest accounting in targets we have applied the gross/net approach agreed within the Kyoto Protocol. In that approach if forests are a sink in the base year they are not included in setting the target level, but only included to meet it.

We are considering how to communicate these distinctions more clearly in the final advice.

Thanks for flagging it!

Kind regards

S 9(2)(a)



S 9(2)(a)
 S 9(2)(a) @climatecommission.govt.nz
 W climatecommission.govt.nz

[UNCLASSIFIED]

From: Rod Carr <Roderick.Carr@climatecommission.govt.nz>

Sent: Saturday, 27 March 2021 5:47 pm

To: s 9(2)(a) - Representative of The1.5Project >; S 9(2)(a) @climatecommission.govt.nz>; S 9(2)(a) @climatecommission.govt.nz>

Cc: Jo Hendy <[S 9\(2\)\(a\)@climatecommission.govt.nz](mailto:S 9(2)(a)@climatecommission.govt.nz)>

Subject: Re: Mistake in NDC calc

I think S 9(2)(a) has the best understanding.
 S 9(2)(a) can you drop a note to a s 9(2)(a) copy all.
 Rod

From: s 9(2)(a) - Representative of The1.5Project

Sent: Saturday, March 27, 2021 4:05 PM

To: Rod Carr; S 9(2)(a)

Cc: Jo Hendy

Subject: RE: Mistake in NDC calc

Many thanks Rod,
 s 9(2)(a) thanks for looking at this. Please do come back to me once you've had a look. Seems pretty important.

All the best

s 9(2)(a)

S 9(2)(a)

De: Rod Carr <Roderick.Carr@climatecommission.govt.nz>

Envoyé: Friday, 26 March 2021 5:03 PM

À: s 9(2)(a) - Representative of The1.5Project S 9(2)(a) @climatecommission.govt.nz>

Cc: Jo Hendy <[S 9\(2\)\(a\)@climatecommission.govt.nz](mailto:S 9(2)(a)@climatecommission.govt.nz)>; Rod Carr <Roderick.Carr@climatecommission.govt.nz>

Objet: Re: Mistake in NDC calc

s 9(2)(a)
 Thanks (a) I appreciate the insights you bring to climate policy and action. I have copied the Commission Chief Scientist who can follow up on the matter you raise.

s 9(2)(a) can you please copy me and Jo on the response.

Rod

From: s 9(2)(a) - Representative of The1.5Project

Sent: Friday, March 26, 2021 1:52 PM

To: Rod Carr

Cc: Jo Hendy

Subject: Mistake in NDC calc

Hi Rod

Thanks for your time as always yesterday. No idea how you do it.

I wanted to clarify one thing and yesterday wasn't the place. The point I made isn't a gross-net issue though we do take issue with this.

It's a mistake in Table 10.2 (below) where 34,958 is labelled as Net but its actually a Gross Figure (<https://emissionstracker.mfe.govt.nz/#NrAMBoEYF12TwCIDiAnA9gZ042wBM4+okoeAHErEA>)

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At the very least I think this warrants testing explicitly with the team as if it's a mistake its material.

s 9(2)(a)

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Methane	1,292	1,227	1,373	1,222	961
Nitrous oxide	16.5	15.7	23.1	23.8	18.2

s 9(2)(a)

S 9(2)(a)

From: Jo Hendy
Sent: Friday, 26 March 2021 5:31 pm
To: S 9(2)(a)
Subject: FW: SBC and CLC Submission
Attachments: SBC and CLC submission to Climate Change Commission - 26 March 2021.pdf

fyi

From: S 9(2)(a) @businessnz.org.nz>
Sent: Friday, 26 March 2021 5:11 pm
To: Jo Hendy <S 9(2)(a) climatecommission.govt.nz>
Cc: S 9(2)(a) @businessnz.org.nz>; S 9(2)(a) @businessnz.org.nz>
Subject: SBC and CLC Submission

Kia ora Jo

Here is a copy of our submission.

A huge thank you to you and your team for running an extremely thorough and open process.

We have really appreciated how open you have all been to questions (large and small) and the quality of the responses.

We look forward to continuing to engage with the Commission in the months and years ahead.

Ngā mihi

S 9(2)(a)

S 9(2)(a)

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The attachment is withheld under section 18(d), as it is publicly available on the Commission's website. See response letter for link.

RELEASED UNDER THE
OFFICIAL INFORMATION ACT

S 9(2)(a)

From: Jo Hendy
Sent: Wednesday, 31 March 2021 8:48 am
To: S 9(2)(a)
Subject: FW: SBC and CLC Submission
Attachments: SBC and CLC submission to Climate Change Commission - 26 March 2021.pdf

Hi S 9(2)(a)

I'm going to send through some submissions for printing (and binding if large).
 This is the first one.

Thanks!
 Jo

From: S 9(2)(a) @businessnz.org.nz
Sent: Friday, 26 March 2021 5:11 pm
To: Jo Hendy <S 9(2)(a)@climatecommission.govt.nz>
Cc: S 9(2)(a) @businessnz.org.nz, S 9(2)(a) @businessnz.org.nz
Subject: SBC and CLC Submission

Kia ora Jo

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S 9(2)(a)

From: Rod Carr
Sent: Tuesday, 29 June 2021 1:02 pm
To: S 9(2)(a)
Subject: Fwd: SBC and CLC Submission
Attachments: SBC and CLC submission to Climate Change Commission - 26 March 2021.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

From: S 9(2)(a) @businessnz.org.nz>
Sent: Friday, March 26, 2021 5:09 PM
To: Rod Carr
Cc: Jo Hendy
Subject: SBC and CLC Submission

Kia ora Rod

On behalf of the Sustainable Business Council and the Climate Leaders Coalition it is my great pleasure to send you a copy of our combined submission. We have also submitted this via the CCC consultation hub.

I would like to acknowledge the excellent consultation process that the Commission ran over the past two months.

We look forward to seeing the final report at the end of May.

Ngā mihi

S
 9(2)
 (a)
 S 9(2)(a)

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S 9(2)(a)

From: S 9(2)(a)
Sent: Wednesday, 24 March 2021 10:37 am
To: S 9(2)(a)
Subject: RE: [UNCLASSIFIED] FW: SBC/CLC - discussion on NDC

[UNCLASSIFIED]

Works for me.

[UNCLASSIFIED]

From: S 9(2)(a) @climatecommission.govt.nz>
Sent: Wednesday, 24 March 2021 10:31 am
To: S 9(2)(a) @climatecommission.govt.nz>; S 9(2)(a) @climatecommission.govt.nz>
Subject: [UNCLASSIFIED] FW: SBC/CLC - discussion on NDC

[UNCLASSIFIED]

How about an 11am meeting tomorrow? Looks OK from your diaries.

[UNCLASSIFIED]

From: S 9(2)(a) @businessnz.org.nz>
Sent: Wednesday, 24 March 2021 10:09 am
To: S 9(2)(a) @climatecommission.govt.nz>; S 9(2)(a) @climatecommission.govt.nz>
Cc: S 9(2)(a) @businessnz.org.nz>
Subject: SBC/CLC - discussion on NDC

Hi S 9(2)(a)

Good to connect this morning. As discussed it'd be great to have a quick session on the NDC before we submit on Friday. Would you have time for a 30-45 min discussion tomorrow at all? We could do any time 11-2.

S 9(2)(a) I think you mentioned a third name that should be involved but I didn't quite catch it.

S 9(2)(a)
 Ngā mihi

S 9(2)(a)
 S 9(2)(a)

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S 9(2)(a)

From: S 9(2)(a)
Sent: Wednesday, 24 March 2021 1:15 pm
To: S 9(2)(a)
Cc: S 9(2)(a)
Subject: RE: [UNCLASSIFIED] RE: SBC/CLC - discussion on NDC

[UNCLASSIFIED]

We're happy to head over (you're just round the corner, and we have a bit of a shortage of meeting rooms at the moment).

[UNCLASSIFIED]

From: S 9(2)(a) @businessnz.org.nz
Sent: Wednesday, 24 March 2021 12:42 pm
To: S 9(2)(a) @climatecommission.govt.nz; S 9(2)(a) @climatecommission.govt.nz;
 S 9(2)(a) @climatecommission.govt.nz;
Cc: S 9(2)(a) @businessnz.org.nz
Subject: RE: [UNCLASSIFIED] RE: SBC/CLC - discussion on NDC

Hi S 9(2)(a)
 11am tomorrow works well. If it's not too big an ask for you to come over again we can book a room here.

Best,
 S 9(2)(a)
From: S 9(2)(a) @climatecommission.govt.nz
Sent: Wednesday, 24 March 2021 11:57 am
To: S 9(2)(a) @businessnz.org.nz; S 9(2)(a) @climatecommission.govt.nz;
 S 9(2)(a) @climatecommission.govt.nz;
Cc: S 9(2)(a) @businessnz.org.nz
Subject: [UNCLASSIFIED] RE: SBC/CLC - discussion on NDC

[UNCLASSIFIED]

Hi S 9(2)(a)
 11am tomorrow suits all of us. Would it work for us to head over your way again? Otherwise we can try and find a room here.

NB: The third name was S 9(2)(a) who is actually the lead here on much of the NDC-related stuff, I've now included him on the email.

Best,
 S 9(2)(a)



S 9(2)(a)
 W climatecommission.govt.nz

[UNCLASSIFIED]

From: S 9(2)(a) <[redacted]@businessnz.org.nz>
Sent: Wednesday, 24 March 2021 10:09 am
To: S 9(2)(a) <[redacted]@climatecommission.govt.nz>; S 9(2)(a) <[redacted]@climatecommission.govt.nz>
Cc: S 9(2)(a) <[redacted]@businessnz.org.nz>
Subject: SBC/CLC - discussion on NDC

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S 9(2)(a) I think you mentioned a third name that should be involved but I didn't quite catch it.

S 9(2)(a)
 Ngā mihi

S 9(2)(a)
 S 9(2)(a)

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**Sustainable
Business Council**
 wbcsc Global Network Partner

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S 9(2)(a)

From: Jo Hendy
Sent: Monday, 29 March 2021 8:57 am
To: All Staff
Subject: special thanks from SBC/CLC

Kia ora koutou,

SBC/CLC sent me their submission on Friday and also some great feedback for all of us:

“A huge thank you to you and your team for running an extremely thorough and open process. We have really appreciated how open you have all been to questions (large and small) and the quality of the responses.”

Well done team.

Ngā mihi nui
Jo

**CLIMATE
CHANGE
COMMISSION**

Jo Hendy | **Chief Executive**

M S 9(2)(a)

E S 9(2)(a) [@climatecommission.govt.nz](mailto:S 9(2)(a)@climatecommission.govt.nz)

W climatecommission.govt.nz

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Response ANON-NZPP-DFM4-K

Climate action for Aotearoa

- « **Back to Responses by Respondent**

https://haveyoursay.climatecommission.govt.nz/comms-and-engagement/future-climate-action-for-aotearoa/manage_respondents

- **Edit analysis info for this response**

https://haveyoursay.climatecommission.govt.nz/comms-and-engagement/future-climate-action-for-aotearoa/@@edit_response?user_id=ANON-NZPP-DFM4-K

- **Remove this response** https://haveyoursay.climatecommission.govt.nz/comms-and-engagement/future-climate-action-for-aotearoa/@@remove_response?user_id=ANON-NZPP-DFM4-K

- **Download respondent's answers (PDF)**

https://haveyoursay.climatecommission.govt.nz/comms-and-engagement/future-climate-action-for-aotearoa/user_response_pdf?user_id=ANON-NZPP-DFM4-K

Name (enter in text box):

Sustainable Business Council

Analyst notes:

s 9(2)(a)

Tags:

Email (write into text box):

s 9(2)(a) businessnz.org.nz

Analyst notes:

Tags:

In what capacity are you responding to this survey? Select from the dropdown list.:

Business

other/additional capacity:

Iwi/hapu affiliation:

Analyst notes:

Tags:

What part of Aotearoa are you from? Select from the dropdown list):

Other (please specify)

Please specify if you are from outside Aotearoa:

Members are based across Aotearoa

Analyst notes:

Tags:

age group:

18-24

Analyst notes:

Tags:

Consent:

Yes

Publish doc:

No file uploaded

Analyst notes:

Tags:

Skiplogic:

I want to submit a pre-prepared response

File upload:

Download response <https://haveyoursay.climatecommission.govt.nz/comms-and-engagement/future-climate-action-for-aotearoa/consultation/download_file?squid=question-2021-01-19-0131576176-filesubquestion&user=ANON-NZPP-DFM4-K> (3.0 MB)

moderated file upload:

No file uploaded

Analyst notes:

Tags:

Your one big thing::

Not Answered

Analyst notes:

S 9(2)(g)(i)

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

[Redacted text block]

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

Not Answered

Analyst notes:

Tags:

Six big decisions Q1:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

Six big decisions Q2 :

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

Six big decisions Q3:

Not Answered

If you would like to give us more information, you can do so below:

Not Answered

Analyst notes:

Tags:

Six big decisions Q4 :

Not Answered

Q4 Forests and role of trees:

Not Answered

Analyst notes:

Tags:

Big issues - 5:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

Six big decisions Q6:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

option to end submission after six big issues:

Not Answered

Analyst notes:

Tags:

Question on principles:

Not Answered

Please explain your answer (400 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

S 9(2)(g)(i)

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

Q4:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

Tags:

Ambition about right, invest domestically

Q5 Cross party support:

Not Answered

Please explain your answer (400 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

Q6 Coordinate efforts:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

Q7 Iwi/Māori partnership:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

iwi/Māori

8. Central and local govt:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

Q9 Public process:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

10 Lock in net zero:

Not Answered

Please explain your answer (400 word limit):

Not Answered

Analyst notes:

Tags:

11 Net zero.

Not Answered

Please explain your answer (400 word limit):

Not Answered

Analyst notes:

Tags:

Q12:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

Q13 S 9(2)(g)(i)

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

14 Transport:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

15 HIP:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

16 Agriculture:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

17 Forestry:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

18 Waste:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

19 Multi sector:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

20 Rules for measuring progress:

Not Answered

Please explain your answer:

Not Answered

Analyst notes:

S 9(2)(g)(i)

21:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

22:

Not Answered

Please explain your answer (400 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

23:

Not Answered

Please explain your answer (400 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

24:

Not Answered

Please explain your answer (1000 word limit):

Not Answered

Analyst notes:

S 9(2)(g)(i)

Tags:

Last Modified Date:

2021-04-30 13:54:36.539503

Response ID:

ANON-NZPP-DFM4-K

IP Address:

s 9(2)(a)

Created Date:

2021-03-26 17:01:30.613815

Citizen Space Version:

v6.1.0

Analysed:

Yes

Consultation State:

open

Browser Identification:

Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)³⁵

Chrome/89.0.4389.90 Safari/537.36

Submitted Date:

2021-03-26 17:04:51.504662

Visited Pages:

('intro', 'subpage.2021-01-18.8875492208')

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Climate Leaders Coalition Meetings

3 and 17 March 2021 – Calls between Dr Rod Carr and the Chief Executive of the Climate Leaders Coalition

Dr Rod Carr spoke with the convenor of the CLC, on 3 and 17 March 2021. They discussed the Commission's draft advice rather than the CLC's submission.

25 March 2021 – Meeting with members of the Sustainable Business Council/Climate Leaders Coalition

At the request of the Sustainable Business Council (SBC)/Climate Leaders Coalition (CLC), Climate Change Commission staff met with members of SBC/CLC ahead of them making their submission. The discussion centered around why the emissions budgets and nationally determined contribution (NDC) were set at different levels, as well as the different natures and considerations applying to the NDC and emissions budgets.

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Dairy NZ

Email thread

From: S 9(2)(a)
Sent: Wednesday, 31 March 2021 1:34 pm
To: S 9(2)(a) S 9(2)(a) climatecommission.govt.nz)
 SS 9(2)(a) climatecommission.govt.nz>
Subject: FW: For your information: DairyNZ Submission

From: S 9(2)(a)
Sent: Rāhina, 29 Poutūterangi, 2021 4:04 p.m.
To: S 9(2)(a) @climatecommission.govt.nz>
Subject: FW: For your information: DairyNZ Submission

From: S 9(2)(a) S 9(2)(a) climatecommission.govt.nz>
Sent: Rāmere, 26 Poutūterangi, 2021 3:57 p.m.
To: S 9(2)(a) S 9(2)(a) climatecommission.govt.nz>; S 9(2)(a)
 @climatecommission.govt.nz>; S 9(2)(a)
 @climatecommission.govt.nz>
Subject: FW: For your information: DairyNZ Submission

From: S 9(2)(a) @dairynz.co.nz>
Sent: Friday, 26 March 2021 3:30 pm
To: S 9(2)(a) S 9(2)(a) climatecommission.govt.nz>
Subject: For your information: DairyNZ Submission

Thanks for chat today. Here's the final. S
 9(2)
)(a)

S 9(2)(a)

Te Whanganui-a-tara

Level 10, Prime Property Tower, 86 – 90 Lambton Quay • PO Box 10002 • Wellington 6143, NEW ZEALAND

S 9(2)(a)



From: S 9(2)(a) <[S 9\(2\)\(a\)@dairynz.co.nz](mailto:S 9(2)(a)@dairynz.co.nz)>
Sent: Friday, 26 March 2021 3:22 pm
To: hello@climatecommission.govt.nz
Cc: S 9(2)(a) <[S 9\(2\)\(a\)@climatecommission.govt.nz](mailto:S 9(2)(a)@climatecommission.govt.nz)>; S 9(2)(a) <[S 9\(2\)\(a\)@climatecommission.govt.nz](mailto:S 9(2)(a)@climatecommission.govt.nz)>
Subject: For your information: DairyNZ Submission

Hi all,

Please find attached DairyNZ's submission to the Climate Change Commission.

I'd like to acknowledge the work of the Commission, and DairyNZ's willingness to engage with you as you finalise your advice to Government. I do appreciate our professional working relationship and the interactions that our respective staff have had to date.

There are a number of issues that DairyNZ seeks to resolve on behalf of dairy farmers - these are detailed in the submission.

I wish you well in your deliberations and look forward to further discussion.

Best regards

S
9(2)
(a)

S 9(2)(a)

Te tuku i tētahi anamata pai ake, mō ngā kaipāmu

Delivering a better future for farmers

Email thread

From: S 9(2)(a) S 9(2)(a) <climatecommission.govt.nz>
Sent: Thursday, 8 April 2021 9:14 am
To: S 9(2)(a) S 9(2)(a) <climatecommission.govt.nz>; S 9(2)(a) <climatecommission.govt.nz>; S 9(2)(a) <climatecommission.govt.nz>
Cc: S 9(2)(a) S 9(2)(a) <climatecommission.govt.nz>
Subject: RE: Thoughts on DairyNZ's submission and modelling

Sounds good S 9(2)(a)

From: S 9(2)(a) S 9(2)(a) <climatecommission.govt.nz>
Sent: Thursday, 8 April 2021 8:36 am
To: S 9(2)(a) S 9(2)(a) <climatecommission.govt.nz>; S 9(2)(a) <climatecommission.govt.nz>; S 9(2)(a) <climatecommission.govt.nz>
Cc: S 9(2)(a) S 9(2)(a) <climatecommission.govt.nz>
Subject: RE: Thoughts on DairyNZ's submission and modelling

Thanks S
9(2)
(a)

It sounds like it would be worth talking with S 9(2)(a) to understand their modelling and analysis a bit more. Let's grab 20 minutes today and have a talk about the best approach for engaging with S 9(2)(a) and DairyNZ more broadly.

Cheers

S
9(2)
(a)

S 9(2)(g)(i)

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S 9(2)(g)(i)

RELEASED UNDER THE
OFFICIAL INFORMATION ACT

S 9(2)(g)(i)

RELEASED UNDER THE
OFFICIAL INFORMATION ACT

S(2)
(a)

Email thread

From: S 9(2)(a) @dairynz.co.nz>
Sent: Monday, 12 April 2021 3:10 pm
To: S 9(2)(a) <S 9(2)(a) climatecommission.govt.nz>
Cc: S 9(2)(a) <S 9(2)(a) climatecommission.govt.nz>; S 9(2)(a) <S 9(2)(a) climatecommission.govt.nz>; S 9(2)(a) @climatecommission.govt.nz>; S 9(2)(a) @climatecommission.govt.nz>; S 9(2)(a) @dairynz.co.nz>; S 9(2)(a) @dairynz.co.nz>; S 9(2)(a) @dairynz.co.nz>
Subject: RE: Further information on the DairyNZ submission

Hi S 9(2)(a) Thanks for the correspondence.

I've copied in some of our people working on this – S 9(2)(a)

Here's our response to your questions – we're happy to provide further detail, please tell us what you need.

We're also interested in the farm system information we provided and how you're incorporating that into your final advice to Government.

1. The footnote on page 34 notes that you've assumed each farm has to reduce emissions by 10%. Our draft advice did not assume that each farm has to reduce emissions by a set %, but rather that the sector as a whole would need to reduce emissions to reach a target. Some farms would reduce by more than 10%, and others would reduce by less (and some farms could possibly increase emissions) – depending on the ease with which they can achieve emissions reductions. You have modelled an "alternative policy setting" which looks more like our advice, but haven't presented many results from those model runs. Could you share more of this with us? E.g. What do the results reported in Table 1 look like using the alternative policy setting?

The baseline assumed a uniform reduction across the sector, in line with the CCC comments. The differentiated system that the Commission speaks about is difficult to envisage, as we think it requires a split-gas trading scheme within the dairy sector. I believe this would have very little international precedent. The administrative costs would be significant, though the mitigation costs would be lower. We do have additional results available for this alternative policy setting involving differentiated reductions across the sector.

2. The modelling also notes that milk production in the DairyNZ model decreases by around 1% for every 1% drop in cow numbers. This implies a 1:1 relationship between number of cows and milk production. Could we clarify if this is an assumption in the model or an output?

This relationship is drawn from the econometric analysis of farm-level empirical data drawn from multiple FARMAX and OVERSEER evaluations. It is validated against results identified in the literature, such as the de Klein and Dynes (2017) work mentioned in the submission. Thus, it is not a simple assumption that can be changed within the model.

3. The GDP reductions in Table 1 (dairy's contribution to national GDP?) range from 12 to 17%. But then GDP losses (total national GDP?) are 1.0 to 1.4%. This implies that Dairy's contribution to GDP is over 8%, or around \$25bn. This is about 2.5x higher than recent work by Sense Partners for DairyNZ and DCANZ, which estimated dairy contributed around \$10.2bn contribution to the NZ economy in 2020 (around 3% of GDP). Can you explain how you arrive at the 1.0 to 1.4%?

The results in Table 1 may be being mis-interpreted. It is important that it is understood that these numbers are changes computed relative to the EFP scenario, and are thus not absolute. Besides this, the numbers will be higher than expected if they are interpreted as dairy-only effects. Flow-on effects to the national economy are described in our submission, they are computed using multiplier assumptions equivalent to those used by the CCC.

S 9(2)(a)

S 9(2)(a)

Te Whanganui-a-tara

Level 10, Prime Property Tower, 86 – 90 Lambton Quay • PO Box 10002 • Wellington 6143, NEW ZEALAND

S 9(2)(a)

From: S 9(2)(a) <S 9(2)(a) climatecommission.govt.nz>

Sent: Sunday, 11 April 2021 5:10 pm

To: S 9(2)(a) <[S 9\(2\)\(a\)@dairynz.co.nz](mailto:S 9(2)(a)@dairynz.co.nz)>

Cc: S 9(2)(a) <S 9(2)(a) climatecommission.govt.nz>; S 9(2)(a)

<S 9(2)(a) climatecommission.govt.nz>; S 9(2)(a)

<S 9(2)(a) @climatecommission.govt.nz>; S 9(2)(a)
 <S 9(2)(a) climatecommission.govt.nz>

Subject: Further information on the DairyNZ submission

Hi S 9(2)
 (a)

Thanks for the thought that's gone into the DairyNZ submission and the offer to follow up.

We've got a few questions about some of the analysis within the submission that we hoped you could clarify for us.

- 1) The footnote on page 34 notes that you've assumed each farm has to reduce emissions by 10%. Our draft advice did not assume that each farm has to reduce emissions by a set %, but rather that the sector as a whole would need to reduce emissions to reach a target. Some farms would reduce by more than 10%, and others would reduce by less (and some farms could possibly increase emissions) – depending on the ease with which they can achieve emissions reductions. You have modelled an "alternative policy setting" which looks more like our advice, but haven't presented many results from those model runs. Could you share more of this with us? E.g. What do the results reported in Table 1 look like using the alternative policy setting?
- 2) The modelling also notes that milk production in the DairyNZ model decreases by around 1% for every 1% drop in cow numbers. This implies a 1:1 relationship between number of cows and milk production. Could we clarify if this is an assumption in the model or an output?
- 3) The GDP reductions in Table 1 (dairy's contribution to national GDP?) range from 12 to 17%. But then GDP losses (total national GDP?) are 1.0 to 1.4%. This implies that Dairy's contribution to GDP is over 8%, or around \$25bn. This is about 2.5x higher than recent work by Sense Partners for DairyNZ and DCANZ, which estimated dairy contributed around \$10.2bn contribution to the NZ economy in 2020 (around 3% of GDP). Can you explain how you arrive at the 1.0 to 1.4%?

Happy to have a conversation with yourself and S 9(2)(a) if that's easier.

S 9(2)(a)

Email thread

From: S 9(2)(a) @agresearch.co.nz
Sent: Tuesday, 13 April 2021 1:01 pm
To: S 9(2)(a) @agresearch.co.nz; S 9(2)(a)
 <S 9(2)(a) climatecommission.govt.nz>
Cc: S 9(2)(a) <S 9(2)(a) climatecommission.govt.nz>; S 9(2)(a)
 <S 9(2)(a) climatecommission.govt.nz>
Subject: RE: Interpretation of De Klein and Dynes (2017)

Hi S 9(2)(a)

S 9(2)(a) and I had a chat about this.

We have not spoken to S 9(2)(a) but we believe he has taken the average of our range for GHG emission reduction (2-16%) and the average of our range for GHG intensity reduction (3-14%) to estimate his relationship (i.e. 8.5 over 9).

Although this, sort of, is consistent with our data, it does not represent this relationship for each individual study and based the information in our table it appears that this relationship has a very broad range depending on the individual farm system and its baseline.

Hope this helps.

Happy to discuss further!

Ngā mihi

s 9(2)(a)

From: S 9(2)(a) <S 9(2)(a)@agresearch.co.nz>

Sent: Sunday, 11 April 2021 8:49 PM

To: S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>; S 9(2)(a) <S 9(2)(a)@agresearch.co.nz>

Cc: S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>; S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>

Subject: RE: Interpretation of De Klein and Dynes (2017)

Hi s 9(2)(a)

I have met you in the past and heard you present!...

s 9(2)(a) let me know that he had used our paper, however I have just recently received a copy of the DairyNZ submission and have not had a chance to review in detail. I will catch up with s 9(2)(a) this week and we will get back to you.

Ngā mihi

s 9(2)(a)

From: S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>

Sent: Friday, 9 April 2021 3:10 pm

To: S 9(2)(a) <S 9(2)(a)@agresearch.co.nz>; S 9(2)(a) <S 9(2)(a)@agresearch.co.nz>

Cc: S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>; S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>

Subject: Interpretation of S 9(2)(a) (2017)

CAUTION: External sender

Hi S 9(2)(a)

s 9(2)(a)

firstly an intro, I work at the Climate Commission on land-use issues. I've read some of your work in my current role and at previous roles at MPI, and have seen you present several times.

We've been looking through [DairyNZ's submission](#) to our draft analysis. In this they talk about the impact of reducing stocking rates on milk production and emissions. They quote your 2017 paper for MPI/Motu as:

"De Klein and Dynes (2017) reviewed the empirical evidence available for this option. They identified an average decrease of 0.95% in milk production per 1% decline in GHG-e across nine studies, close to the 1:1 response found here."

This doesn't seem to be consistent with your paper, which the exec summary describes as:

"A lower input system that carries fewer cows of greater genetic merit (high breeding worth (BW) and lower stocking rate (SR) led to reductions in total GHG emissions and GHG emissions intensity, ranging between 2-16% and 3-14%, respectively, with the reduction potential generally increasing with increasing milksolids (MS) production."

Could we check with you whether DairyNZ's statement is consistent with your findings? Or are we misreading your paper?

Thanks,

s 9(2)(a)

S 9(2)(g)(i)

S 9(2)(g)(i)

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S 9(2)(g)(i)

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S 9(2)(g)(i)

(a)

Email thread

From: S 9(2)(a) @dairynz.co.nz>
Sent: Wednesday, 31 March 2021 1:54 pm
To: S 9(2)(a) @climatecommission.govt.nz>
Cc: S 9(2)(a) <S 9(2)(a) climatecommission.govt.nz>; S 9(2)(a) @climatecommission.govt.nz>; S 9(2)(a) @climatecommission.govt.nz>; S 9(2)(a) <S 9(2)(a) climatecommission.govt.nz>
Subject: RE: [UNCLASSIFIED] Submission from DairyNZ

Please publish. Thank you S 9(2)(a)

From: S 9(2)(a) @climatecommission.govt.nz>
Sent: Wednesday, 31 March 2021 1:09 pm
To: S 9(2)(a) @dairynz.co.nz>
Cc: S 9(2)(a) <S 9(2)(a) climatecommission.govt.nz>; S 9(2)(a) @climatecommission.govt.nz>; S 9(2)(a) @climatecommission.govt.nz>; S 9(2)(a) <S 9(2)(a) climatecommission.govt.nz>
Subject: [UNCLASSIFIED] Submission from DairyNZ

[UNCLASSIFIED]

Kia ora S 9(2)(a)

Thank you so much for submitting your materials to our recent consultation on the transition to a climate-resilient and low emissions future. The consultation is now closed.

I have uploaded your pdf file onto our consultation portal and have put your email address as the contact email address.

I have also ticked the box that 'the Commission will not be publishing your submission onto our portal at the end of the submission analysis'. Please kindly let me know if that is not suitable.

Again, we are very grateful for your collaborative efforts and wish you all the very best.

Nāku noa, nā

s 9(2)(a)


Submissions Workstream Lead

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Teams thread (**S 9(2)(a)**

S 9(2)(g)(i)



S 9(2)(g)(i)



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S 9(2)(a)

From: S 9(2)(a)
Sent: Friday, 26 March 2021 4:04 pm
To: S 9(2)(a)
Subject: FW: For your information: DairyNZ Submission
Attachments: FINAL DAIRYNZ SUBMISSION Climate change comission advice on carbon budgets 2021.pdf

s 9(2)(a)
 Hi s 9(2)(a) hot from the DairyNZ oven. S 9(2)(g)(i)

From: S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>
Sent: Friday, 26 March 2021 3:57 pm
To: S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>; S 9(2)(a)@climatecommission.govt.nz; S 9(2)(a)@climatecommission.govt.nz
Subject: FW: For your information: DairyNZ Submission

From: S 9(2)(a) <S 9(2)(a)@dairynz.co.nz>
Sent: Friday, 26 March 2021 3:30 pm
To: S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>
Subject: For your information: DairyNZ Submission

Thanks for chat today. Here's the final. S 9(2)(a)

S 9(2)(a)



From: S 9(2)(a) <S 9(2)(a)@dairynz.co.nz>
Sent: Friday, 26 March 2021 3:22 pm
To: hello@climatecommission.govt.nz
Cc: S 9(2)(a)@climatecommission.govt.nz; S 9(2)(a)@climatecommission.govt.nz
Subject: For your information: DairyNZ Submission

Hi all,

Please find attached DairyNZ's submission to the Climate Change Commission.

I'd like to acknowledge the work of the Commission, and DairyNZ's willingness to engage with you as you finalise your advice to Government. I do appreciate our professional working relationship and the interactions that our respective staff have had to date.

There are a number of issues that DairyNZ seeks to resolve on behalf of dairy farmers - these are detailed in the submission.

I wish you well in your deliberations and look forward to further discussion.

Best regards

s 9(2)(a)

S 9(2)(a)

Te tuku I tētahi anamata pai ake, mō ngā kaipāmu
Delivering a better future for farmers

DairyNZ

Cnr Ruakura & Morrinsville Roads | Newstead | Private Bag 3221 | Hamilton 3240 | NEW ZEALAND

S 9(2)(a)

Web www.dairynz.co.nz | www.GoDairy.co.nz | www.getfresh.co.nz

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S 9(2)(a)

From: S 9(2)(a)
Sent: Thursday, 29 April 2021 7:23 am
To: S 9(2)(a)
Subject: RE: Further information on the DairyNZ submission

Thanks S 9(2)(a)

I'm still trying to find a time when S 9(2)(a) is available to talk to you and your modelling people about how we've incorporated your feedback on the draft advice. It looks like it might not be until ~6 May – we're just pretty flat out at the moment pulling the final advice together.

I should clarify the two comments I made on the phone last week.

The text below question 1 indicates that your central modelling isn't aligned with the Govt and He Waka Eke Noa approach of an overall 10% reduction of biological methane (i.e. not a 10% reduction on each farm). And as you're aware, HWEN is looking at split gas trading schemes across the whole sector (not just dairy). We would be very interested to see your modelling results around the 'alternative policy setting' scenario you described in the report if you can share them.

We've dug into the [DeKlein and Dynes \(2017\) report](#). Our interpretation is that decreasing stocking rate also decreases GHG intensity (see highlighted text below). Unless each cow is eating less, then this implies that production does not drop as much as the stocking rate. This seems pretty straightforward but we might be missing something here?

"A lower input system that carries fewer cows of greater genetic merit (high breeding worth (BW) and lower stocking rate (SR) led to reductions in total GHG emissions and GHG emissions intensity, ranging between 2-16% and 3-14%, respectively, with the reduction potential generally increasing with increasing milksolids (MS) production."

I'll get back to you later today or tomorrow on a date to go over our modelling changes.

S 9(2)(a)

From: S 9(2)(a) @dairynz.co.nz>
Sent: Monday, 12 April 2021 3:10 pm
To: S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>
Cc: S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>; S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>; S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>; S 9(2)(a) <S 9(2)(a)@dairynz.co.nz>; S 9(2)(a) <S 9(2)(a)@dairynz.co.nz>; S 9(2)(a) <S 9(2)(a)@dairynz.co.nz>
Subject: RE: Further information on the DairyNZ submission

Hi S 9(2)(a) Thanks for the correspondence.
 I've copied in some of our people working on this – S 9(2)(a)

Here's our response to your questions – we're happy to provide further detail, please tell us what you need.

We're also interested in the farm system information we provided and how you're incorporating that into your final advice to Government.

1. The footnote on page 34 notes that you've assumed each farm has to reduce emissions by 10%. Our draft advice did not assume that each farm has to reduce emissions by a set %, but rather that the sector as a whole would need to reduce emissions to reach a target. Some farms would reduce by more than 10%, and others would reduce by less (and some farms could possibly increase emissions) – depending on the ease with which they can achieve emissions reductions. You have modelled an “alternative policy setting” which looks more like our advice, but haven't presented many results from those model runs. Could you share more of this with us? E.g. What do the results reported in Table 1 look like using the alternative policy setting?

The baseline assumed a uniform reduction across the sector, in line with the CCC comments. The differentiated system that the Commission speaks about is difficult to envisage, as we think it requires a split-gas trading scheme within the dairy sector. I believe this would have very little international precedent. The administrative costs would be significant, though the mitigation costs would be lower. We do have additional results available for this alternative policy setting involving differentiated reductions across the sector.

2. The modelling also notes that milk production in the DairyNZ model decreases by around 1% for every 1% drop in cow numbers. This implies a 1:1 relationship between number of cows and milk production. Could we clarify if this is an assumption in the model or an output?

This relationship is drawn from the econometric analysis of farm-level empirical data drawn from multiple FARMAX and OVERSEER evaluations. It is validated against results identified in the literature, such as the de Klein and Dynes (2017) work mentioned in the submission. Thus, it is not a simple assumption that can be changed within the model.

3. The GDP reductions in Table 1 (dairy's contribution to national GDP?) range from 12 to 17%. But then GDP losses (total national GDP?) are 1.0 to 1.4%. This implies that Dairy's contribution to GDP is over 8%, or around \$25bn. This is about 2.5x higher than recent work by Sense Partners for DairyNZ and DCANZ, which estimated dairy contributed around \$10.2bn contribution to the NZ economy in 2020 (around 3% of GDP). Can you explain how you arrive at the 1.0 to 1.4%?

The results in Table 1 may be being mis-interpreted. It is important that it is understood that these numbers are changes computed relative to the EFP scenario, and are thus not absolute. Besides this, the numbers will be higher than expected if they are interpreted as dairy-only effects. Flow-on effects to the national economy are described in our submission, they are computed using multiplier assumptions equivalent to those used by the CCC.

S 9(2)(a)

S 9(2)(a)

DairyNZ



From: S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>

Sent: Sunday, 11 April 2021 5:10 pm

To: S 9(2)(a)@dairynz.co.nz

Cc: S 9(2)(a) <S 9(2)(a) climatecommission.govt.nz>; S 9(2)(a) <S 9(2)(a) climatecommission.govt.nz>; S 9(2)(a) [@climatecommission.govt.nz](mailto:climatecommission.govt.nz); S 9(2)(a) <S 9(2)(a) climatecommission.govt.nz>

Subject: Further information on the DairyNZ submission

Hi S 9(2)(a)

Thanks for the thought that's gone into the DairyNZ submission and the offer to follow up.

We've got a few questions about some of the analysis within the submission that we hoped you could clarify for us.

- 1) The footnote on page 34 notes that you've assumed each farm has to reduce emissions by 10%. Our draft advice did not assume that each farm has to reduce emissions by a set %, but rather that the sector as a whole would need to reduce emissions to reach a target. Some farms would reduce by more than 10%, and others would reduce by less (and some farms could possibly increase emissions) – depending on the ease with which they can achieve emissions reductions. You have modelled an "alternative policy setting" which looks more like our advice, but haven't presented many results from those model runs. Could you share more of this with us? E.g. What do the results reported in Table 1 look like using the alternative policy setting?
- 2) The modelling also notes that milk production in the DairyNZ model decreases by around 1% for every 1% drop in cow numbers. This implies a 1:1 relationship between number of cows and milk production. Could we clarify if this is an assumption in the model or an output?
- 3) The GDP reductions in Table 1 (dairy's contribution to national GDP?) range from 12 to 17%. But then GDP losses (total national GDP?) are 1.0 to 1.4%. This implies that Dairy's contribution to GDP is over 8%, or around \$25bn. This is about 2.5x higher than recent work by Sense Partners for DairyNZ and DCANZ, which estimated dairy contributed around \$10.2bn contribution to the NZ economy in 2020 (around 3% of GDP). Can you explain how you arrive at the 1.0 to 1.4%?

Happy to have a conversation with yourself and Graeme if that's easier.

S 9(2)(a)



S 9(2)(a)

E S 9(2)(a) [@climatecommission.govt.nz](mailto:climatecommission.govt.nz)
W climatecommission.govt.nz

S 9(2)(a)

From: S 9(2)(a)
Sent: Wednesday, 5 May 2021 11:27 am
To: S 9(2)(a) @dairynz.co.nz
Subject: RE: You about?

Hey S 9(2)(a),

I wanted to have a chat with you, but we're going to have to cancel our meeting tomorrow.

I apologise for this, but we need to focus our efforts on finalising our advice by 31 May. We really appreciate the input that you guys have given us, which has caused us to dig into our modelling assumptions in detail.

Could you give me a quick call before I take this out of calendars?

Thanks,

S
9(2)
(a)

From: S 9(2)(a)
Sent: Wednesday, 5 May 2021 11:19 am
To: S 9(2)(a) @dairynz.co.nz
Subject: You about?

Can you give me a call?

Thanks,

S
9(2)
(a)


He Pou a Rangi
 Climate Change Commission

S 9(2)(a)

S 9(2)(a) @climatecommission.govt.nz
 W climatecommission.govt.nz

2
(
a
)

S 9(2)(a)

From: Jo Hendy
Sent: Wednesday, 17 February 2021 3:15 pm
To: S 9(2)(a); S 9(2)(a); S 9(2)(a)
Subject: Re: Extension request

Let's talk this through ASAP

Get [Outlook for iOS](#)

From: S 9(2)(a) <S 9(2)(a)@climatecommission.govt.nz>
Sent: Wednesday, February 17, 2021 2:24 PM
To: S 9(2)(a); S 9(2)(a)
Cc: Jo Hendy
Subject: Extension request

FYI – I just got a call noting that PEPANZ, Fed Farmers, DairyNZ and others are preparing a letter asking for a two week extension for submissions.

S
 9(2)
 (a)



S 9(2)(a)

E S 9(2)(a)@climatecommission.govt.nz
 W climatecommission.govt.nz

Response BHLF-NZPP-DEZ9-4

Climate action for Aotearoa

- « **Back to Responses by Respondent**

https://haveyoursay.climatecommission.govt.nz/comms-and-engagement/future-climate-action-for-aotearoa/manage_respondents

- **Edit analysis info for this response**

https://haveyoursay.climatecommission.govt.nz/comms-and-engagement/future-climate-action-for-aotearoa/@@edit_response?user_id=BHLF-NZPP-DEZ9-4

- **Remove this response** https://haveyoursay.climatecommission.govt.nz/comms-and-engagement/future-climate-action-for-aotearoa/@@remove_response?user_id=BHLF-NZPP-DEZ9-4

- **Download respondent's answers (PDF)**

https://haveyoursay.climatecommission.govt.nz/comms-and-engagement/future-climate-action-for-aotearoa/user_response_pdf?user_id=BHLF-NZPP-DEZ9-4

Name (enter in text box):

DairyNZ

Analyst notes:

NDC and methane questions reviewed by s 9(2)(a)

s 9(2)(a)

new uploaded by s 9(2)(a)

ID No. of old submission: BHLF-NZPP-DEP7-R

Tags:

Email (write into text box):

s 9(2)(a) @dairynz.co.nz

Analyst notes:

Tags:

In what capacity are you responding to this survey? Select from the dropdown list.:

Business

other/additional capacity:

Iwi/hapu affiliation:

Analyst notes:

Tags:

What part of Aotearoa are you from? Select from the dropdown list).:

Wellington (Te Whanga-nui-a-Tara)

Please specify if you are from outside Aotearoa:

Analyst notes:

Tags:

age group:

Not Answered

Analyst notes:

Tags:

Consent:

Yes

Publish doc:

No file uploaded

Analyst notes:

Tags:

Skiplogic:

I want to submit a pre-prepared response

File upload:

Download response <https://haveyoursay.climatecommission.govt.nz/comms-and-engagement/future-climate-action-for-aotearoa/consultation/download_file?squid=question-2021-01-19-0131576176-filesubquestion&user=BHLF-NZPP-DEZ9-4> (1.9 MB)

moderated file upload:

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Analyst notes:

Tags:

Your one big thing::

Analyst notes:

Tags:

option to end submission after one big thing:

I want to continue with the consultation questions

Analyst notes:

Tags:

Six big decisions Q1:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

Tags:

Six big decisions Q2 :

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

Tags:

Six big decisions Q3:

Not Answered

If you would like to give us more information, you can do so below:

Analyst notes:

Tags:

Six big decisions Q4 :

Not Answered

Q4 Forests and role of trees:

Analyst notes:

Tags:

Big issues - 5:

Please explain your answer (1000 word limit):

Analyst notes:

Tags:

Six big decisions Q6:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

Tags:

option to end submission after six big issues:

I want to continue with the consultation questions

Analyst notes:

Tags:

Question on principles:

Not Answered

Please explain your answer (400 word limit):

Analyst notes:

s 9(2)(a) p12]

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

Q2 Emission budget levels - Emissions budget 1 (2022 – 2025):

Q2 Emission budget levels - Emissions budget 2 (2026-2030):

Q2 Emission budget levels - Emissions budget 3 (2031-2035):

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

Q3 - Gross long-lived gases:

Q3 - Biogenic methane:

Q3 - Forestry:

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

Q4:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

Q5 Cross party support:

Not Answered

Please explain your answer (400 word limit):

Analyst notes:

S 9(2)(g)

(i)

Tags:

Q6 Coordinate efforts:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

Q7 Iwi/Māori partnership:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

8. Central and local govt:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

(i)

Tags:

S 9(2)(g)(i)

Q9 Public process:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

Tags:

10 Lock in net zero:

Not Answered

Please explain your answer (400 word limit):

Analyst notes:

S 9(2)(g)(i)

[Redacted]

[Redacted]

Tags:

11 Net zero:

Not Answered

Please explain your answer (400 word limit):

Analyst notes:

S 9(2)(g)(i)

[Redacted]

Tags:

S 9(2)(g)(i)

[Redacted]

Q12:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

[Redacted]

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[Redacted]

[Redacted]

[Redacted]

S 9(2)(g)(i) [Redacted]

[Redacted]

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[Redacted]

[Redacted]

Tags:

S 9(2)(g)(i) [Redacted]

[Redacted]

Q13 Inclusive transition:
Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

s 9(2)(a) [Redacted] pp19-20]

S 9(2)(g)(i) [Redacted]

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S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

14 Transport:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

15 HIP:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

16 Agriculture:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

S 9(2)(g)(i)

[Redacted]

[Redacted]

Tags:

S 9(2)(g)(i)

17 Forestry:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

[Redacted]

[Redacted]

Tags:

S 9(2)(g)(i)

[Redacted]

18 Waste:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

No response

Tags:

19 Multi sector:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

[Redacted]

[Redacted]

Tags:

S 9(2)(g)(i)

20 Rules for measuring progress:

Not Answered

Please explain your answer:

Analyst notes:

S 9(2)(g)(i)

Tags:

21:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

22:

Not Answered

Please explain your answer (400 word limit):

Analyst notes:

S 9(2)(g)(i)

Tags:

23:

Not Answered

Please explain your answer (400 word limit):

Analyst notes:

S 9(2)(g)(i)

Tags:

S 9(2)(g)(i)

24:

Not Answered

Please explain your answer (1000 word limit):

Analyst notes:

S 9(2)(g)(i)

Tags:

Last Modified Date:

2021-06-03 15:57:01.058377

Response ID:

BHLF-NZPP-DEZ9-4

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s 9(2)(a)

Created Date:

2021-06-03 15:57:00.861936

Citizen Space Version:

v6.3.1

Analysed:

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Consultation State:

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Browser Identification:

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Chrome/91.0.4472.77 Safari/537.36

Submitted Date:

2021-06-03 15:57:01.201304

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Dairy NZ Meetings

10 February 2021 – Climate Change Commission hosted seminar on its draft advice relating to agriculture

The Climate Change Commission's (the Commission) records indicate that Dairy NZ took part in an open webinar hosted by the Climate Change Commission in which Commission staff explained its draft advice relating to agriculture.

26 February 2021 – Technical discussion with Dairy NZ on modeling assumptions

The Commission discussed modeling assumptions that undergirded its draft advice with Dairy NZ's data staff.

1 March 2021 – Climate Change Commission hosted an online seminar on its draft advice for farmers

The Commission's records indicate that Dairy NZ took part in an online seminar hosted by the Climate Change Commission in which Commission staff explained its draft advice relating to farmers.

16 March 2021 – Dairy NZ Dairy Environment Leaders' Forum

As keynote speaker, Dr Rod Carr spoke about the Commission's advice and responded to questions in a subsequent Q&A session.

26 March 2021 – Dairy NZ Policy staffer call to the Commission

A policy staff member at Dairy NZ called a Commission staff member to discuss the key points of the submission Dairy NZ was making.

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