

OIA Ref: 2021-036

Privacy

25 August 2021

**Official information request for documents from Winara Greenaway**

Kia ora Privacy

I refer to your Official Information Act (OIA) request of 25 June 2021 for:

*“...a copy of the all of the correspondence that the Climate Change Commission received or sent to their consultant Winara Greenaway, since the inception of the Commission.”*

As you know, on 1 July 2021, the Climate Change Commission (the Commission) emailed you, requesting that you clarify or refine your OIA request. On 5 July 2021 you responded, refining your OIA request as follows:

*“Under the Official Information Act, could I please request a copy of the all of the documents that the Climate Change Commission received from their consultant Winara Greenaway, which is related to Te Ao Maori, the Treaty of Waitangi, Tikanga Maori or any other Maori related topics, since the inception of the Commission.”*

The table below sets out the information within scope of this request and the rationale for any withholdings or refusals under sections 9(2) and 18 of the OIA.

Doc No.	Type	Title/Subject	Date	Notes
1	Email	ClimateChange.xlsx	12 May 2020	Some information withheld under s 9(2)(a)
1a	- Attachment	ClimateChange.xlsx		
2	Email	Te ao Maori view - Draft	25 June 2020	Some information withheld under s 9(2)(a)
2a	- Attachment	Te ao maori view draft.docx		Withheld in full under s 9(2)(ba)(i) and s 9(2)(g)(i)
3	Email	11.6.20 LUOR Story Board – WG Edits	29 June 2020	Some information withheld under s 9(2)(a)
3a	- Attachment	11.6.20 LUOR Story Board – WG Edits.pptx		Some information withheld under s 9(2)(g)(i)

4	Email	Re: unclassified updated diagram	9 July 2020, 2.55 am	Some information withheld under s 9(2)(a), s 9(2)(ba)(i) and s 9(2)(g)(i)
4a	- Attachment	<i>Te ao maori view draft V2.docx</i>		Withheld in full under s 9(2)(ba)(i) and s 9(2)(g)(i)
7	Email	Climate Change Commission Focusing on Potential Impacts for Maori	24 July 2020	Some information withheld under s 9(2)(a), s 9(2)(ba)(i) and s 9(2)(g)(i)
8	Email	Case Study Questions	28 July 2020	Some information withheld under s 9(2)(a) and information that is out of scope has not been released
8a	- Attachment	<i>Case Study Questions.docx</i>		Some information withheld under s 9(2)(g)(i)
9	Email	Winara Greenaway Invoice	1 Sept 2020	Some information withheld under s 9(2)(a) and information that is out of scope has not been released
9a	- Attachment	<i>Climate Commission invoice</i>		Withheld in full under s 18(d), as available at: <a href="https://www.amazonaws.com/2021-041-042-response-to-request-invoices-from-consultancies.pdf">2021-041-042-response-to-request-invoices-from-consultancies.pdf (amazonaws.com)</a>
10	Email	...Rod Carr hui	7 Sept 2020	Some information withheld under s 9(2)(a), s 9(2)(ba)(i) and s 9(2)(g)(i)
11	Email	...High Level Summary	8 Sept 2020, 12.14pm	Some information withheld under s 9(2)(a), s 9(2)(ba)(i) and s 9(2)(g)(i)
12	Email	High Level Summary of Korero with...	8 Sept 2020, 12.25 pm	Some information withheld under s 9(2)(a), s 9(2)(ba)(i) and s 9(2)(g)(i)
13	Email	...High Level Summary	8 Sept 2020, 12.30pm	Some information withheld under s 9(2)(a), s 9(2)(ba)(i) and s 9(2)(g)(i)

Please note that the Commission has a policy to proactively release OIA responses to help others have access to more information. Consequently, this letter will be published on our website with your name and contact details redacted to protect your privacy.

You have the right to seek an investigation and review by the Ombudsman of this decision. Information about how to make a complaint is available at [www.ombudsman.parliament.nz](http://www.ombudsman.parliament.nz) or freephone 0800 802 602.

Kind regards

Privacy



Climate Change Commission



[climatecommission.govt.nz](http://climatecommission.govt.nz)

**From:** [win greenaway](#)  
**To:** s 9(2)(a)  
**Date:** Tuesday, 12 May 2020 3:14:01 pm  
**Attachments:** [Climate Change.xlsx](#)

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			Typical Maori Business Industry
Questions	Environmental Scan	How to do this?	Farming
Base Data	How many carbon emissions does the maori economy currently contribute?	Current Business / Industries P&L vs BS	Identify Iwi (PSGE's / Matrix) / Trusts (MLC Data set)
		Scan available reports on maori economy	Fishing (Hold ACE)
	Current \$ Value		Forestry (Block Owners)
	Current Carbon Emmissions Profile		Landlords (Grazing / Forestry Lease)
	Productive Lands		Tourism
Analysis	Non-Productive Lands		
	Carbon Sink Value		
			Low Emission implementations add ons
Forecasting	Emissions / Revenue Ratio		Wetlands
	Emissions / Hectare Ratio Productive vs Non		Wind Energy
Research	Emission /Iwi Member		Bio Fuels
Analysis	Future Emissions - Current State 10 - 50yrs		
	Develop lands in current industries 10 -50yrs		
Maori	<b>Land Use Options</b>		
	Low Emission Business		
	Low Emsion add ons (wind energy)		
Govt	Transition to low emissions		
	Future Development - Non Productive Land		
Iwi / Govt	<b>Outcomes</b>		
	Identify areas to reduce emissions		
	Future Modeling -10yr 20yr 50 yr 100yr		
Maori	New \$ Value		
	New Emissions Value Maori Economy		
Govt	Emissions / Revenue Ratio		
	Emissions / Hectare Ratio		
Iwi / Govt	<b>Decision Making</b>		
	Future Development / Investment		
	Future Education Pathways		
Govt	Polcys / SIPO Inclusions		
Iwi / Govt	Support Development / Policy		
	Funding / New Industry Establishment		
Iwi / Govt	Paris Agreement / Climate Change Response Act		
	Set Reduction Targets		
	Govt - Iwi agreement on emissions 2050		
Iwi / Govt	<b>Lead on Work</b>		
	Regional Emissions		
	Emissions / Revenue Economy Ratio		
	Emissions / Hectare Ratio		
Iwi / Govt	Emission /Person		



**From:** [win greenaway](#)  
**To:** s 9(2)(a)  
**Subject:** Te ao maori view - Draft  
**Date:** Thursday, 25 June 2020 10:53:38 am  
**Attachments:** [Te ao maori veiw Draft.docx](#)

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Kia ora bro, As discussed attached is the draft te ao view as seen yesterday.

Very draft, very light light at this point bro.

Nga mihi  
W

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Attachment withheld in full under s 9(2)(ba)(i) and 9(2)(g)(i)

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**From:** [Winara Greenaway](#)  
**To:** s 9(2)(a)  
**Subject:** 11.6.20 LUOR Story Board - WG Edits  
**Date:** Monday, 29 June 2020 6:34:13 pm  
**Attachments:** [11.6.20 LUOR Story board WG Edits.pptx](#)

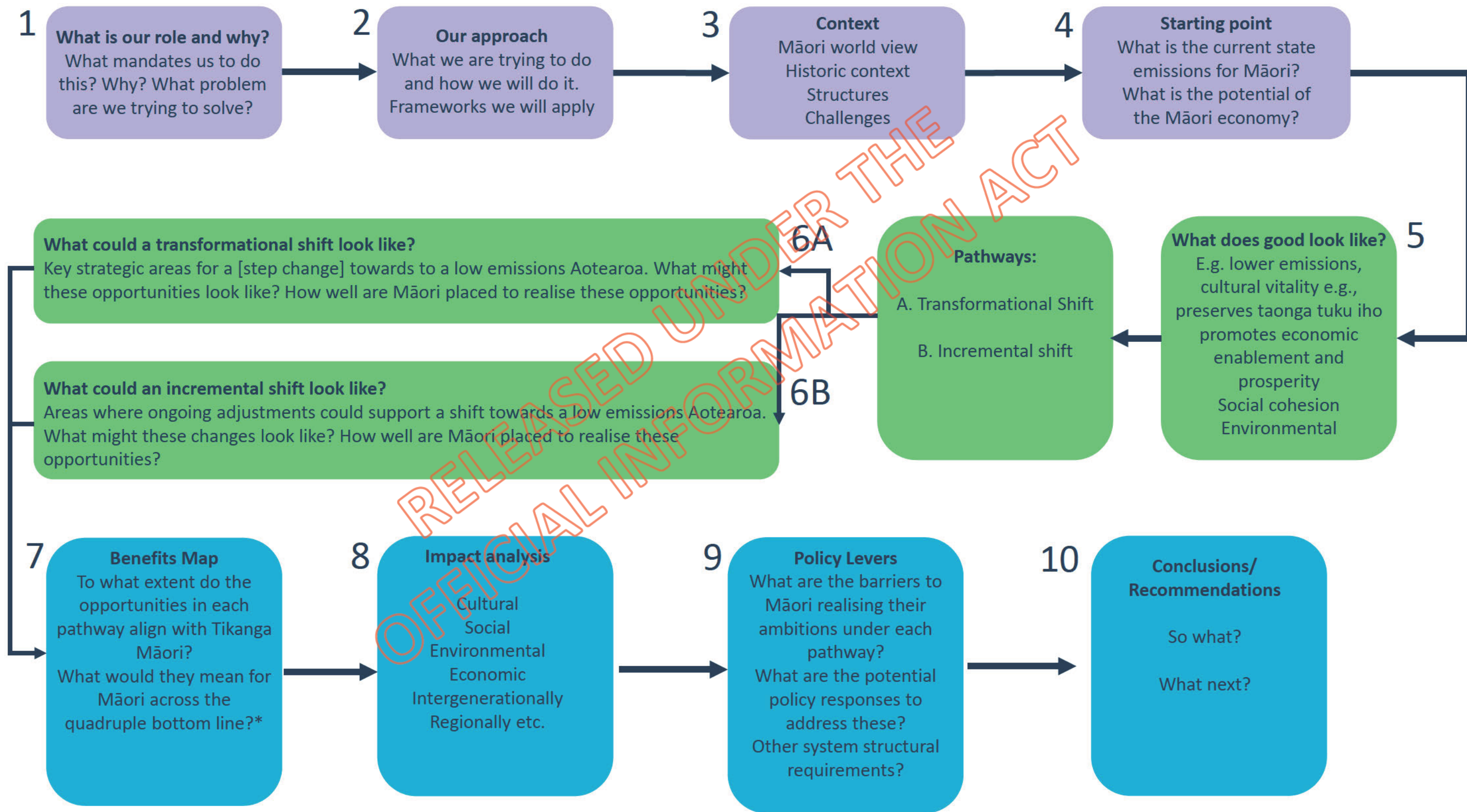
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FYI <sup>s 9(2)(a)</sup> for edits, I have gone through the slides and updated and added where we discussed - Over to you.

Na  
W

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# Māori Economy: Emissions and Opportunities Report



\*Cultural, economic, social and environmental outcomes

## Section 1: What is our role and why?

**Purpose:** The purpose of this section is to explain our role and why it's important.

**What:** Consider the fundamentals behind our work. What mandates us to do this? What problem are we trying to solve?

**Why:**

Maori are Tangata whenua / Treaty Partnership / Crown Obligations

**How:**

- First stage of the Logic Mapping process: define the problem (Drawn from the Investment Logic Mapping). A team workshop resulted in the following draft problem statements.
  - A. TE AO MĀORI VEIW NOT BROADLY UNDERSTOOD:** Lack of [understanding] of Māori world view means Aotearoa is missing out on the value that Māori values and approaches can offer.
  - B. IMPACTS ON MĀORI ARENT ADDRESSED:** Because of A, there are impacts for Māori that aren't understood or addressed through policy solutions.
  - C. OPPORTUNITIES ARE MISSED:** Because of A & B, Māori (and Aotearoa) may [continue to] miss out on the full benefits of Aotearoa's transition to a low emissions economy.
- These problem statements illustrate the need to do things differently – to challenge the boundaries in how we work with, understand and reflect the "Te Ao Māori view" and Māori values in our mahi.
- Key inputs
  - a. Legislative context: CCRA
  - b. Treaty principles
  - c. Māori Engagement Strategy
  - d. Commission's analytical approach & framework

Appendix – Logic Map



## Section 2: Our approach

**Purpose:** The purpose of this section is to present our approach to the work and explain why we have taken this approach. We will also demonstrate the strategic alignment between this report, the Māori focus work programme, and the Commission's broader work programme.

### What:

- Explain the approach we will be taking to our work and how this aligns with the Commission's analytical approach and frameworks.
- Present the key tools and methods we will use.
- Consider how our work draws on, and will contribute to, the Commission's broader work programme. This includes considering the internal development needs for staff.

### How:

- Second and third stages of the Investment Logic Mapping process: strategic response & changes. These elements will outline how our approach will differ and what specific actions we will take to ensure our work addresses the problems identified in draft problems proposed in section 1.
  - a. The CCC framework
  - b. He Ara Waiora
  - c. The Mauri Model
  - d. The Commission's analytical approach & framework
  - e. Case Studies working with ahu whenua trust to understand the shifts if any?
- Proposals for internal Māori Capability Development for all staff.
- Other inputs:
  - a. E&I deliverables 1-3 which includes insights gathered, the literature review and what a Māori perspective is.
  - b. Any feedback we get from the paepae etc or other "friends of the Climate Change Commission".

s 9(2)(g)(i)

Appendix – Frame works (Mauri Model – HAW (pathway to wellbeing)

## Section 3: Context

**Purpose:** The purpose of this section is to ensure the reader understands the appropriate context and can read our work with an objective, solutions focused mindset.

### What:

- What is a Māori world view? What are the key tikanga, values, concepts that are relevant to our approach?
- Based on Te ao Māori What are the key concepts and values that are helpful in understanding the climate change issue?
- What is the relevant historic context that will help us identify impacts, compounding impacts, inequality, cultural relevance?
- What are Māori collectives and why are we focused on them?
- What do we expect our challenges to be?

### How:

- Drawing on the literature and interviews available to provide the summary

### Inputs

- Tax working group paper – <https://taxworkinggroup.govt.nz/sites/default/files/2019-02/twg-bg-4009332-extending-the-taxation-of-capital-income-implications-for-maori-collectively-owned-assets.pdf> historic context section.
- Literature Review
- Summary of Iwi/Hapū management plans
- Māori engagement strategy

Appendix – Te Ao Māori Diagram



## Section 3: Starting point

**Purpose:** The purpose of this section is to establish the baseline we are working from.

**What:**

- What is the current emissions profile of the Māori economy? What are the key sources of emissions (activities) and who is undertaking them?
- Determine what activities were inherited and what were entered into by choice i.e forestry / farming.
- Determine utilisation of māori Land (productive/nonproductive). This is to forecast what the Māori collective economy would look like if all their lands were utilised in terms of carbon emissions as well as from a cultural, social, environmental, financial lens.
- *Note: Excludes māori ownership in fisheries*

**How:**

- IRD is working on providing us with a sector aggregate, based on Māori Authority and BIC code tax data.
- TPK are considering a request for aggregated data on Māori Freehold Land Trusts. This can be used to estimate emissions (and sequestration) from agricultural and forestry activities. (note, we have yet to hear back from TPK on this and we may need support to have this provided).
- Scan Māori Freehold Land Trusts and their operations, PSGEs, and other Māori Trust boards and their relevant sectors (note, we will need additional resource to deliver this element of the work programme) **time and resource dependent.**
- Ensure we have identified the key contributors, for example geothermal, forestry, dairy, drystock. Look at what the big iwi are doing, perhaps the top 10.
- Case studies of selected Māori organisations to find out in more detail about their activities. We will be leveraging the relationships we have to make this work under tight timeframes.

**Note:** *This approach will help identify ongoing mahi for the commission.*



## Section 5: What does good look like?

**Purpose:** The purpose of this section is to propose a model for what climate change success looks like from a Māori perspective.

**What:** Given Māori aspirations for their land, people and culture, what will a transition to a low emissions future mean for the Māori economy? What are the risks and opportunities? How will Māori approaches to business support this transition?

### How

- Bring together the emissions baseline and a Māori approach to investment to understand what 'success' looks like.
- Link in with the Commission's broader work programme.
- Discuss issues raised in previous engagement
- Supporting documents /resources:
  - Workstream 1
  - Engagement to date
  - Literature review
  - Emissions analysis

s 9(2)(g)(i)

## Section 6: Pathways

**Purpose:** The purpose of this section is to explain what is meant by pathways and why it is important. The links to the rest of the Commission's work will be set out.

**What:**

- set out/explain what a transformational shift and step change is and why it is important
  - Transformational shift is defined as a shift in an organisations culture resulting in a change to the organisations strategies and processes.
  - A step change is defined as a significant change in policies or attitude especially one that results in an improvement or increase.
- set out what incremental shifts are e.g. changing from fossil fuel to renewable or planting up gullys
- explain why we need to cover off all avenues
- The maori sector is diverse and we need to be mindful of the different states of maturity of each entity and different asset profiles as well as the barriers to entry.

## Section 6A: Transformational Shift / Step Change

**Purpose:** The purpose of this section is to explore through case studies transformational mitigation pathways of Māori-collectives grounded in or incorporating whaakaro māori.

**What:**

- Working with Māori collectives to understand the key drivers for transformational change as well as the strategic opportunities these change create for current and future generations.
- By Industry / Activity: What are these low emission/high value industries.
- How could a transformation work? What is the cost? How long will it take?
- What does it mean for culture, people, jobs, the environment, the economy?
- What are the broader impacts? For example: How will these changes impact (positive/negative) on MM, TR, KaiT etc. future revenue streams and emissions forecasts for idle lands developed.
- How could these changes enhance or diminish Māori values (Mauri Model / HAW).

**How:**

- Linking the Māori economy emissions baseline with the Commission's mitigations work (more and most).

## Section 6B: Incremental Shifts

**Purpose:** The purpose of this section is to describe what lowering emissions looks like if we continue along the status quo, with incremental change.

**What:**

- Assess where emissions are currently coming from and what incremental adjustments might look like.
- For each industry/activity, what are these improvements and how are they implemented, what is the cost? And how long will it take?
- What are the broader impacts? For example: How will these changes impact (positive/negative) on MM, TR, KaiT etc. future revenue streams and emissions forecasts for idle lands developed.
- How could these changes enhance or diminish Māori values (Mauri Model / HAW).

**How:**

- Linking the Māori economy emissions baseline with the Commission's mitigations work (core and more).

## Section 7: Impacts Analysis

**Purpose:** The purpose of this section is to demonstrate the impacts of different transition pathways.

**What:**

- Based on the context and case studies what are the impacts e.g. cultural, social, environmental, economic impacts of transformational change
- Based on the context and case studies what are the impacts e.g cultural, social, environmental, economic impacts of incremental change.

**How:**

- Climate change analytical framework
- How could these changes enhance or diminish Māori values (Mauri Model / HAW).
- Māori diagram

Appendix – Māori world view diagram

## Section 8: Benefits Map

**Purpose:** The purpose of this section is to identify the benefits of the mitigation options identified in the case studies. Different transition pathways. Is there an optimal mix?

**What:**

- Assessment of the extent do the mitigation options identified enhance or diminish Māori values.

**How:**

- Using the benefits mapping tool and strategic pou.
- Using the māori framework (Mauri Model / HAW / CCC).

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## Section 8A: Example of Benefits mapping

s 9(2)(g)(i)

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## Section 9: Policy levers

**Purpose:** The purpose of this section is outline the required policy levers to unlock the different transitional pathways.

**What:** Consider the gap between the where we are now (the baseline) and where the different pathways could take us. Then consider:

- What are the potential barriers to achieving these pathways?
- What system/infrastructure changes need to be made?
- What climate change policy levers could help to achieve the preferred outcomes?
- What other levers could help to achieve preferred outcomes?

**How:**

- Traditional policy analysis exercise (e.g. analysis of the costs, opportunities, benefits, risks), drawing on the approach to assessment being used in the Commission's general work.
- Overlaying a Māori lens to this approach. Identify policies that may be more or less effective for Māori collectives, based on our understanding of Te Ao Māori in a climate change context. Consider the reasons for this and therefore what policies are best suited to help support the Māori economy through the transition.



## Section 10: Conclusions

**Purpose:** The purpose of this section is to outline the key conclusions and identify the recommendations.

**Conclusions:**

- Key learnings
- Key challenges
- Key opportunities

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# Appendix

- **Logic Mapping (WIP)**

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## Example of Investment Logic Mapping (ILM)

s 9(2)(g)(i)

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**From:** win greenaway s 9(2)(a)  
**Sent:** Thursday, 9 July  
**To:** s 9(2)(a)  
**Subject:** Re: [UNCLASSIFIED] Updated diagram  
**Attachments:** Te ao maori veiw Draft V2.docx

Updated paper attached

On Mon, Jul 6, 2020 at 7:07 PM s 9(2)(a) <[s 9\(2\)\(a\)@climatecommission.govt.nz](mailto:s 9(2)(a)@climatecommission.govt.nz)> wrote:  
[UNCLASSIFIED]

What do you reckon for a first crack at it?

s 9(2)(g)(i); 9(2)(ba)(i)

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[UNCLASSIFIED]

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**From:** [Winara Greenaway](#)  
**To:** s 9(2)(a)  
**Cc:**  
**Subject:** Climate Change Commission focusing on potential impacts for Māori  
**Date:** Friday, 24 July 2020 3:22:05 pm

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Tena koe e s 9(2)(a)

s 9(2)(ba)(i),  
s 9(2)(g)(i)

My name is Winara Greenaway, I was given your contact details from s 9(2)(ba)(i), s 9(2)(g)(i) with regards to the potential for the Climate Change Commission to have a kōrero with and perhaps undertake a case study with s 9(2)(ba)(i), s 9(2)(g)(i) inline with our mahi.

To give you some background of our mahi, currently the Commission are working to develop the first set of emissions budgets (spanning over three 5-year periods out to 2035 and every 5-year period thereafter out to 2050) and emissions reductions plans. Through this work the Commission will provide recommendations and advice to Government on how much we need to reduce our emissions by (every 5-year budget out till 2050) to meet New Zealand's obligations under the Paris Agreement, and what mitigation options or adaptation plans we think might help us achieve our goal.

We have a small team in the Climate Change Commission focusing on potential impacts for Māori and we work closely with Dr Rod Carr (our Chair), and Lisa Tumahai (our Deputy Chair, and a member of the Iwi Chairs Forum Climate Change Pou). In order to build our understanding of potential impacts for Māori, we would like to conduct a small number of case studies with Māori organisations to focus in on how climate change related issues could play out in specific circumstances.

Our mahi needs to give consideration to the cultural, social, environmental, and economic impacts of climate change on Māori. Potential impacts might include: how different mitigation options align with our cultural values (e.g., kaitiakitanga, mana motuhake, ahi kā, etc.), how different options might create or reduce jobs in a rohe, impacts of town planning and design, green buildings, food sovereignty, environmental planning and resource management, and what different mitigation options could mean for Māori economic development and resilience.

We are particularly interested in potential issues relating to the Treaty principles of partnership, protection, and participation (across all areas e.g., cultural, social, environmental, and economic), as well as issues relating to equity/inequity. We are also interested in potential solutions (e.g., what mixed-ownership investment models might look like to support development and boost regional advancement), potential transitions to low emissions industries that could grow jobs etc. Another area we would like to understand better is what barriers or challenges Māori organisations face in shifting towards low emissions industries or development. What Māori organisations already do that contributes towards New Zealand's emissions reductions (e.g., indigenous forestry, eco-sanctuaries, wetlands, cultural/intergenerational drivers that already go beyond profit maximisation motives).

To cover a diverse range of issues, we are hoping to work with a number of Maori entities to pick up as many key aspects regarding impacts as we can. We are interested in building our understanding of the challenges associated with converting or changing practice in existing high-emissions output areas (e.g., farming, food processing, tourism, transport, industries dependent



on fuel combustion for energy, aspects of geothermal, construction, etc.). We are also interested in building an understanding of the opportunities associated with low-emissions or offsetting industries (e.g., forestry, wetlands, eco-sanctuaries, windfarming, hydro, plant based proteins, portfolio diversification etc.).

Due to time constraints we hope to initiate relationships in early August and aim to complete the case studies by early September to put a draft report to our Board in September. We would like to be able to include aspects or key findings from the case studies in the reports we will produce for public consumption which will be due in draft by October and in final form by November 2020.

It is the Commission's desire to develop meaningful and enduring relationships with Māori and we see this as the first step in a long-term relationship to ensure Māori related issues are appropriately represented in the Commission's work.

In the first instance we would like to gauge if s 9(2)(ba)(i), s 9(2)(g)(i) are interested to participate in a case study, from there we can determine the approach going forward and how we will ensure the respective Boards have the appropriate information and oversight to authorise the information we produce and publish. We would also like to hear your whakaaro regarding what value you would like to get out of this mahi, and how we can ensure it is mutually beneficial.

Over the course of working together we would like to create an opportunity to introduce s 9(2)(ba)(i), s 9(2)(g)(i) with Rod (our Chair) and Jo Hendy (our Chief Executive). Lisa Tumahai (our Deputy Chair) s 9(2)(ba)(i), s 9(2)(g)(i) will also be an important part of our mahi together moving forward.

We look forward to hearing from you and progressing the relationship.

Ngā mihi

Win Greenaway  
s 9(2)(a)

**From:** [Winara Greenaway](#)  
**To:** s 9(2)(a)  
**Cc:**  
**Subject:** Case Study Questions  
**Date:** Tuesday, 28 July 2020 3:26:08 am  
**Attachments:** [Case Study Questions.docx](#)

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Kia ora team,

As discussed I've have pulled together some questions for the case studies (was meant to finish it on Sunday but... hmmm) so feel free to have a browse, add to, chop and hack. I've also uploaded it to SharePoint **Out of Scope**

Anyway, the bad news is I've got a little stuck on how to word questions around the treaty principles (thanks <sup>s 9(2)(a)</sup> for adding this gem to your email, although I always knew it had to be part of it but still....) however, the good news is since you have all recently attended treaty training any guidance on this matter would be very much appreciated.

**Out of Scope**

Nga mihi  
W.

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## Case Study Questions

### Questions on Knowledge of Climate Change:

- 1) How well informed are you with regards to the Aotearoa's obligations under the Paris Agreement?
- 2) What sources of information have you had to help you understand Aotearoa's obligations under the Paris Agreement?
- 3) What sources of information have you received to help you understand the effects of climate change?
- 4) Do you have a climate strategy or any policies or plans to reduce the effects of climate change?
  - Kaitiakitanga Strategy
  - Reducing energy demand
  - Using renewable energy sources e.g. solar
  - Diverting from fossil fuel
  - Afforestation (establishment of a forest or stand of trees in an area where there was no forest before)
  - Changes to farming practices
  - Increased access to sustainable vehicles e.g. electric cars
  - Sustainable business practice e.g. eco-buildings
  - Recycling
  - Water storage developments
  - Coastal / Lake or River Infrastructure e.g. seawalls, storm surge barriers, dune reinforcement
  - Changes to planting
  - Offsetting emissions
  - Behaviour Changes to reduce carbon emissions
- 5) What do you already do that contributes towards Aotearoa's emissions reductions? (e.g., indigenous forestry, eco-sanctuaries, wetlands, cultural/intergenerational drivers that already go beyond profit maximisation motives).
- 6) Do you report your emissions to an accredited program or standards such as carboNZero or CEMARS?
- 7) Do you offer grants for your members to study the effects of climate change?

## **Questions on the impacts of climate change to cultural, social, environmental, and economic for Māori:**

### **8) What are the cultural impacts of climate change on Māori?**

- Changes in mahinga kai resources
- Changes to freshwater quality
- Changes to the access of food gathering sites
- Changes to cultural sites of significance (erosion / flooding)

### **9) What mitigation options may impact positively or negatively on cultural values? (i.e whakapapa, kaitiakitanga, tino rangatiratanga, mana motuhake, wairuatanga)**

- Environmental planning and resource management
- Emissions Trading Scheme (inclusions / exclusions)
- Protection of mahinga kai resources
- Protection of water quality

### **10) What are the social impacts of climate change on Māori?**

- Damaged infrastructure e.g. accessibility, road degradation
- Access to freshwater
- Increase in negative health conditions (tamariki / Kaumatua)

### **11) What mitigation options may impact positively or negatively on social values? (i.e manaakitanga, whanaungatanga, ahi kā, hapu, whanau).**

- Impacts of town planning (marae or papakaienga design, development & infrastructure placement)
- Green buildings / design (renewable energy, heating sources)

### **12) What are the economic impacts of climate change on Māori?**

- Drought / flooding
- Increase in cost of living / fresh vegetables / power
- Decrease in job security (effects on Industry i.e farming, forestry, horticulture, tourism)
- Cost of offsetting emissions through diversification (Afforestation / wetland development)
- Changes to farming practices
- Water storage developments
- Disaster risk management
- Water use restrictions

### **13) What mitigation options may impact positively or negatively on Māori economic development that may create or reduce jobs in the rohe? (i.e tino rangatiratanga, mātauranga, whenua).**

- Changes to farming practices
- Behaviour changes to reduce carbon emissions
- Job security (effects on Industry i.e farming, forestry, horticulture, tourism)
- Food sovereignty (water consents)



- Diversification
- Transition to low emissions industries or development (incentives / barriers)

**14) What are the environmental impacts of climate change on Māori and have you noticed any changes in the environment? (Taonga Tuku Iho, Kaitiakitanga, whenua)**

- Changes to weather patterns
- Temperature changes
- Coastal / Lake / River erosion
- Increased frequency and size of flooding
- More frequent extreme weather
- Changes in water temperatures
- Increased frosts or snow
- Variation in seasonal alpine areas e.g. changes to snowfall on the mountains
- Changes to ecosystem health
- Decrease in mahinga kai resources

## **Questions on the challenges, solutions, and incentives for reducing emissions:**

**15) What are the challenges you face for reducing emissions through mitigation or adaption plans?**

- Conversion / Diversification
- Changing practices in existing high-emissions output areas (e.g., farming, food processing, tourism, transport, industries dependent on fuel combustion for energy, aspects of geothermal, construction, etc.)
- Cost of implementation

**16) What initiatives could Māori organisations collectively work on to help reduce emissions? (whanaungatanga, mātauranga, taonga tuku iho)**

- Joint wetland / afforestation developments
- Eco-buildings
- Renewable energy

**17) What are some potential solutions to transitions to low emissions industries to create jobs**

- Offsetting industries (e.g., forestry, wetlands, eco-sanctuaries, windfarming, hydro, plant based proteins, portfolio diversification etc.).
- Mixed-ownership investment models (support development and boost regional advancement)

## Questions on potential issues relating to the Treaty principles:

What are potential issues relating to the Treaty principles of partnership, protection, and participation (across all areas e.g., cultural, social, environmental, and economic),

What are the potential issues relating to equity/inequity.

S 9(2)(g)(i)

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OFFICIAL INFORMATION ACT

**From:** [Winara Greenaway](#)  
**To:** s 9(2)(a)  
**Cc:**  
**Subject:** Winara Greenaway Invoice  
**Date:** Tuesday, 1 September 2020 12:06:25 pm  
**Attachments:** [Climate Commission Invoice CC004.pdf](#)

---

Kia ora s 9(2)(a) Out of Scope

Please find attached my invoice Out of Scope

Any questions please don't hesitate to contact me.

Nga mihi  
Winara

Attachment is refused under 18(d) as it is publicly available at: <https://ccc-production-media.s3.ap-southeast-2.amazonaws.com/public/OIA-releases-for-web/2021/2021-041-042-response-to-request-invoices-from-consultancies.pdf>

RELEASED UNDER THE  
OFFICIAL INFORMATION ACT

**From:** [Winara Greenaway](#)  
**To:** s 9(2)(a) [Rod Carr](#)  
**Subject:** s 9(2)(a)  
**Date:** Monday, 7 September 2020 1:37:51 pm

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Tena Korua,

As requested, I have pulled together a short 1-page summary of the hui s 9(2)(ba)(i), s 9(2)(g)(i)  
s 9(2)(ba)(i), s 9(2)(g)(i)

**General High-Level Summary of Hui**

s 9(2)(ba)(i), s 9(2)(g)(i)

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From: [Winara Greenaway](#)  
To: s 9(2)(a)  
Cc:  
Subject: s 9(2)(ba)(i), s 9(2)(g)(i) High Level Summary  
Date: Tuesday, 8 September 2020 12:14:53 pm

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Kia ora s 9(2)(a)

Once again thank you for giving us the opportunity to talk with s 9(2)(ba)(i), s 9(2)(g)(i) It was a very valuable korero and some of the insights you gave were also shared by other Trust showing some common themes emerging.

I have attached what we have put into our report for the Board for your information and named it as Trust X. As discussed, if you would like to add to your korero please don't hesitate to contact me anytime. Also if there is anything in the summary below you would be happy to include in the final report please let me know.

Nga mihi  
W


s 9(2)(ba)(i); 9(2)(g)(i)



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s 9(2)(ba)(i), s 9(2)(g)(i)



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OFFICIAL INFORMATION ACT

From: [Winara Greenaway](#)  
To: s 9(2)(a)  
Cc: s 9(2)(ba)(i), s 9(2)(g)(i)  
Subject: High Level Summary of Korero with  
Date: Tuesday, 8 September 2020 12:25:15 pm

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Tena Koe e s 9(2)(a)

Once again thank you for giving us the opportunity to talk with you regarding s 9(2)(ba)(i), s 9(2)(g)(i)  
s 9(2)(ba)(i), s 9(2)(g)(i) it was a very valuable korero and some of the insights you gave were also shared by other Trust showing some common themes emerging.

I have attached what we have put into our report for the Board for your information as discussed. If you would like to add to your korero please don't hesitate to contact me anytime.

I look forward to meeting up again for more of your insightful korero in the near future.

Nga mihi


Winara

s 9(2)(ba)(i), s 9(2)(g)(i)

s 9(2)(ba)(i), s 9(2)(g)(i)

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s 9(2)(ba)(i), s 9(2)(g)(i)



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From: [Winara Greenaway](#)  
To: s 9(2)(a)  
Cc:  
Subject: s 9(2)(ba)(i), s 9(2)(g)(i) High Level Summary  
Date: Tuesday, 8 September 2020 12:30:38 pm

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Tena koe e s 9(2)(a)

Once again thank you for giving us the opportunity to talk with you regarding s 9(2)(ba)(i), s 9(2)(g)(i)  
s 9(2)(ba)(i), s 9(2)(g)(i) It was a very valuable korero and some of the insights you gave of the  
s 9(2)(ba)(i), s 9(2)(g)(i)  
were also shared by other  
Trust showing some common themes emerging.

I have attached what we have put into our report for the Board for your information as discussed. If you would like to add to your korero please don't hesitate to contact me anytime.

I look forward to meeting up again for more insightful korero in the near future.


Nga mihi

W

s 9(2)(ba)(i), s 9(2)(g)(i)

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s 9(2)(ba)(i), s 9(2)(g)(i)



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