

Client Interview Minutes

15/11/21

10 a.m. to 11:05 a.m. AWST

Video Call

Meeting called by:	Nicholas Butterly	Type of meeting:	Semi-structured interview (i.e., pre-planned questions & agenda, but allowance for discussion topic to wander when opportune and prudent)
Facilitator:	Nicholas Butterly	Note taker:	Nicholas Butterly
Timekeeper:	Nicholas Butterly		
Attendees:	Nicholas Butterly (researcher & interviewer); Advisian Managing Consultant (participant & interviewee)		
Please read:	Meeting Questions – Client Interview		

Agenda

Introductions

QN1: What is the process for selecting company actions or interventions to include in the NZE roadmap?

QN2: Can you talk broadly about the kinds of interventions were considered in the NZE roadmap?

QN3: What is the longest time horizon of the NZE roadmap?

QN4: Without going into specifics, do any of these items within the NZE roadmap fall within the near-term time horizon of 1-5 years?

QN5: What kinds of emissions are considered in the Client's NZE Roadmap project?

QN6: Can you comment on how much of the Client's operations are considered in the NZE roadmap project?

QN7: Is the Client's shadow carbon price being modified or considered within the scope of the NZE roadmap project?

QN8: In broad terms, how is success in the NZE roadmap measured? (Omitted due to time constraints)

QN9: What were some of the challenges of developing the NZE roadmap? (Omitted due to time constraints)

Minutes

Agenda item: Introductions & Research Project Summary

Discussion:

- Interviewer asked participant to re-affirm their consent for the interview audio to be recorded
- Introductions: Nicholas Butterly (researcher)
- Introductions: Managing Consultant
 - Currently working in the Mining, Minerals and Metals team
- Research project summary
 - Interviewer introduced the research project

Conclusions:

- Nil

Agenda item: **QN1:** What is the process for selecting company actions or interventions to include in the NZE roadmap?

Discussion:

- Criteria matrix was used for shortlisting interventions
- Marginal Abatement Cost Curve (MACC) was used to compare interventions after shortlisting

- Some carbon abatement activities were already started or decided upon before the start of the NZE Roadmap Project
- These were automatically included in the NZE roadmap and bypassed the selection process

Conclusions:

- Both qualitative (criteria matrix) and quantitative (MACC) processes were used for selecting what interventions to include in the NZE roadmap
- Some carbon abatement activities are already ongoing

Agenda item: **QN2:** Can you talk broadly about the kinds of interventions were considered in the NZE roadmap?

Discussion:

- Extra prompt for interviewee: The Client's FY21 Sustainability Report stated that identified elements to inform their decarbonisation roadmap to NZE by 2050 included: fleet electrification, divestment & acquisition, grid decarbonisation, changed operations, offsets, and renewable Price Purchase Agreements (PPA's).
- All those listed items were considered or included in the NZE roadmap
- General discussion on existing Client renewable PPA on one of their mine sites. This was included within the NZE roadmap, but played a minor overall role in the Client reaching NZE by 2050, other interventions needed to be considered
- Interviewee could not comment on other specific interventions within the NZE roadmap due to commercially sensitive information

Conclusions:

- At least some of the planned carbon abatement interventions mentioned in the Client's FY21 Sustainability Report (fleet electrification, etc.) were included or considered in the Client's NZE roadmap

Agenda item: **QN3:** What is the longest time horizon of the NZE roadmap?

Discussion:

- Longest time horizon considered in the Client NZE roadmap is 2050

Conclusions:

- Longest time horizon considered in the Client NZE roadmap is 2050

Agenda item: **QN4:** Without going into specifics, do any of these items within the NZE roadmap fall within the near-term time horizon of 1-5 years?

Discussion:

- Many carbon abatement activities were already decided upon and included in the site GHG reduction plans
- The site GHG reduction plans were developed in-house by the Client, separate to the Client's NZE roadmap. These plans are already being implemented
- Site GHG reduction plan includes carbon abatement interventions in the near-term time horizon. NZE Roadmap Project mentions these interventions

Conclusions:

- Client is currently implementing carbon abatement interventions as part of the site GHG reduction plans
- These interventions are within the near-term time horizon (1-5 years) and are mentioned in the NZE roadmap, though were decided upon separately to the NZE roadmap project

Agenda item: QN5: What kinds of emissions are considered in the Client's NZE Roadmap project?

Follow-up question: Why were these emission types chosen to be considered?

Discussion:

- Some upstream emissions are considered, including all scope 2 emissions
- Direct emissions (scope 1) are considered in the NZE roadmap
- Trucking and haulage of equipment to mine sites is considered in roadmap
- Scope 3 emissions are largely beyond the scope of the roadmap, including the smelting and refining of mineral ore after being exported
- Tangent: Even for mine sites where the Client has only a partial ownership stake, if the Client operates the site then all emissions are counted for the sake of emissions analysis
- Follow-up question: Why were these emission types chosen to be considered?
 - Client has limited control over the emissions of suppliers/customers
 - Difficulty in tracking exactly which emissions of suppliers/customers are due to their interaction with the Client

Conclusions:

- Scope of NZE Roadmap Project covers all of scope 1 emissions, all of scope 2 emissions, and a limited part of scope 3 emissions (upstream transportation emissions for "trucking and haulage" of equipment).

Agenda item: QN6: Can you comment on how much of the Client's operations are considered in the NZE roadmap project?

Discussion:

- NZE roadmap covers all of the mine sites currently operated by the Client
- Roadmap excludes 1 mine-site that has been recently divested

Conclusions:

- NZE roadmap covers the entirety of the Client's current mining operations

Agenda item: QN7: Is the Client's shadow carbon price being modified or considered within the scope of the NZE roadmap project?

Discussion:

- Extra prompt for interviewee: The Client has publicly disclosed that they use a \$25-\$50/tCO₂e shadow carbon price when evaluating major investment decisions.
- NZE roadmap focuses on carbon abatement, offsets, and site interventions to reduce emissions
- NZE roadmap does not cover how investment decisions are made for constructing/purchasing mine sites, etc.

Conclusions:

- Modifying or re-evaluating the Client shadow carbon price is beyond the scope of the NZE Roadmap Project.

Agenda item: QN8: In broad terms, how is success in the NZE roadmap measured?

Discussion:

- (Question was skipped due to time constraints)

Conclusions:

- N/A

Agenda item: QN9: What were some of the challenges of developing the NZE roadmap?

Discussion:

- (Question was skipped due to time constraints)

Conclusions:

- N/A

Other Information

Special notes:

- The meeting had audio recorded with prior verbal and written permission from the participants. Audio recording was used to complete these minutes then was immediately deleted permanently.
- The participant's identity has been anonymised and is referred to using their job title.
- The participant was given a copy of a Participants Information Form (PIF) and Participants Consent Form (PCF) prior to the interview.