MURRAYLINK - AER PUBLIC FORUM

Presentation to the AER Public Forum

ACKNOWLEDGEMENT OF COUNTRY

We begin today by acknowledging the Traditional Custodians of the land on which we meet today, and pay our respects to their Elders past and present. We extend that respect to Aboriginal and Torres Strait Islander peoples here today.

STAKEHOLDER ENGAGEMENT

- Co-designed stakeholder engagement process
  - Collectively identified subjects and methods for consultation
- Questions from stakeholders
  - Insurance concerns
  - Operating at maximum capacity of Murraylink
  - Impact of Murraylink on local network
  - Value of Murraylink
- We encourage feedback on both the engagement process and future topics as well as any subjects of interest to our stakeholders

INSULATED GATE BIPOLAR TRANSISTORS (IGBTS)

- Insulated Gate Bipolar Transistors are integral to the conversion process from high voltage AC/DC to high voltage DC and back again.
- Murraylink will cease operation once it has exhausted the supply of spare IGBTs
- In December Hitachi wrote to APA (operators of Murraylink) informing us that there are only 115 IGBTs available to use on Murraylink
- Combined with the 30 existing spares this makes for a total available 145 spares for IGBTs at Murraylink

REPLACEMENT OF IGBTS - OBJECTIVE

- The purpose of the project is to identify the outcome to resolve the obsolescence of Insulated Gate Bipolar Transistors in a way consistent with the National Electricity Object and the National Electricity Rules.
- The analysis will need to reflect
  - the different timing of options to resolve the problem,
  - the uncertainty surrounding second hand IGBTs, and
  - the market benefits of more modern converter designs
- EII would strongly welcome stakeholder participation in this process to arrive at an outcome in the best interests of consumers.

REPLACEMENT OF IGBTS

EII welcomes stakeholders views on the identified potential solutions to resolve the obsolescence of the Murraylink IGBTs. APA has identified the following solutions:

- Upgrade converter stations to use generation 3 IGBTs (minimum scope is by phase)
- Buy 2nd hand generation two IGBTs
- Sell Murraylink's generation two IGBTs to offset the cost of an upgrade
- Include control and protection system in upgrade (enable use of alternate providers and)

Are there any other options that stakeholder can see?

REPLACEMENT OF IGBTS – PROPOSED TIMING

Stage	Timing
Engage Technical Consultant	1 April
Circulate Economic Request for proposal (RFP) to stakeholders for their consideration	15 April
Issue Economic RFP to consultants	22 April
Appoint Economic Consultant	6 May
Meeting of Economic Consultant, EII and Stakeholders	Week ending 13 May
Delivery of consultants report (timing subject to feedback from consultants)	3 June
Meeting of Economic Consultant, EII and Stakeholders	Week ending 10 June
EII publishes position paper for proposal (for inclusion in the revised proposal)	1 July
AER's draft determination	30 September