



To Babbage Consultants Ltd

Mr Paul Duder

Re: Project KEA

Alpine Energy Ltd ("AEL") has met with South Island Resource Recovery Ltd ("SIRRL") and discussed their proposed energy from waste plant known as Project KEA.

Project KEA would generate around 30MW of electricity which would be fed into the local AEL network. Any excess electricity generated by Project KEA that was not then consumed by users on the AEL network would then flow into the National Grid via the AEL network.

We have investigated and concluded that it is very feasible for Project KEA to be connected to the AEL network. We have concluded that the most likely solution would be for AEL to run a new network transmission line from the Project KEA site to the existing AEL substation located on Cooneys Rd. At the substation, the KEA electricity can then be supplied into the wider AEL network.

The new transmission line would be approximately 2.5km in length and likely designed for 110kV to best support future load increases on the AEL network.

Regards,

A handwritten signature in black ink, appearing to read 'Johan HL Hendriks', is written over a light grey circular watermark.

Johan HL Hendriks
Planning Manager
Alpine Energy Ltd



7 November 2022

Attention: Kevin Stratful
South Island Resource Recovery Limited

Dear Kevin,

Project Kea

Morven-Glenavy Irrigation Scheme (“**MGI**”) has been in discussions with South Island Resource Recovery Ltd (“**SIRRL**”) and understand that SIRRL have conditionally purchased an area of land (“**the SIRRL site**”) to construct an Energy from Waste Plant. The project is known as Project KEA.

MGI own the strip of land (Part RES 1316; Parcel Id: 3466208) on the western boundary of the SIRRL site. The MGI strip of land lies between the SIRRL site and the South Island Main Railway Line and is used to convey irrigation water.

As part of Project KEA, SIRRL wish to construct a rail siding and thus will need to occupy a portion of this MGI land.

MGI confirms that it will make available the land by way of a commercial lease to enable SIRRL to construct and operate a rail siding, subject to Project Kea obtaining the necessary resource consents to proceed.

We also understand that Project KEA will include upgrading the SH1/Carrolls Rd intersection. The upgrade will require widening of the intersection which will encroach on easements held by MGI for the purposes of operating and maintaining irrigation races which are part of the MGI irrigation scheme.

MGI confirms that it supports amendments to the easements as necessary to enable the upgrade of the SH1/Carrolls Rd intersection, on the understanding that such amended easements ensure the continued overall function of the affected MGI irrigation races.

Yours Faithfully,

A handwritten signature in black ink, appearing to read 'Craig Evans', written in a cursive style.

Craig Evans
Chief Executive Officer

Morven Glenavy Ikawai Irrigation Company Limited
26 Glenavy – Tawai Road, Glenavy
RD10, Waimate 7980

Bruce Murphy
4634 Waimate Highway
Murphy Farms Ltd.

Paul Duder
Babbage Consultants Ltd
Email: pduder@babbage.co.nz

3 November 2022

Dear Mr Duder,

Re: Project KEA

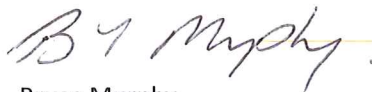
Murphy Farms Ltd ("MFL") has had discussions with South Island Resource Recovery Ltd ("SIRRL") about their proposed energy from waste plant known as Project KEA and furthermore has agreed to sell land to SIRRL to support their proposed development.

As part of the development, SIRRL also propose to upgrade Carrolls Rd and the intersection with State Highway 1.

We have seen the proposed intersection upgrade details and understand that it will require an area of land (circa 0.2145ha) to be made available from MFL to Waka Kotahi to facility the necessary intersection upgrade.

We confirm that in principle we are supportive of Project KEA and are happy to work with SIRRL with a view too making the necessary land available to enable the intersection upgrade.

Your sincerely,



Bruce Murphy
Director
Murphy Farms Ltd.



WasteCo NZ Ltd
421 Blenheim Road
Christchurch 8041

Renew Energy Limited
PO Box 5168
Nelson, 7040

Attention: Paul Taylor, Director Southland Island Resource Recovery Limited

13 September 2022

Dear Paul,

DISPOSAL OF METAL HYDROXIDE

Thank you for the recent discussions about the treatment and disposal of metal hydroxide.

I can confirm that WasteCo can safely collect and transport the metal hydroxide from the Energy from Waste Plant in Glenavy.

The metal hydroxide will be taken to our hazardous waste treatment facility which is currently being designed. Our chemists have reviewed the metal hydroxide's chemical composition and can confirm that it can be treated to enable safe disposal to landfill.

Metal hydroxide sludge (dry base) element composition

Element	Composition	Unit
Na	2~10	%
Si	1~4	%
S	1~9	%
Cl	4~21	%
K	1~10	%
Ca	5~20	%
Fe	1~8	%
Cu	2~5	%
Zn	12~28	%
Pb	6~20	%
O、 H, Other O, H, etc.	21~32	%
Mg、 Ni、 Cd、 Cr Mg, Ni, Cd, Cr, etc.	Minor quantity	

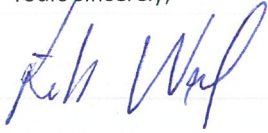
Phone: 03 341 1111

Web: www.wasteco.co.nz

Office: 421 Blenheim Road, Upper
Riccarton, Christchurch
Postal: PO Box 160074, Hornby,
Christchurch 8441, New
Zealand

It is anticipated that the hazardous waste facility will be operational in late 2023 / 24 in advance of the Energy from Waste plant being commissioned.

Yours sincerely,



Rik West
Technical Industrial Services Manager
WasteCo NZ Ltd.

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