

## Attachment 6: Additional Information

## Nick Pollard

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**From:** Laila Alkamil <laila.alkamil@wwla.kiwi>  
**Sent:** Wednesday, 28 June 2023 4:10 pm  
**To:** Kendyll Harper- Intermediate planner; Nick Pollard  
**Cc:** Richard Homewood  
**Subject:** Fwd: Far North solar farm consent - FENZ meeting [Filed 28 Jun 2023 16:26]  
**Attachments:** 230623 GA\_GreyTown\_174.4MWp\_Updated Site Plan.pdf

**Categories:** Filed by Mail Manager

Good afternoon Kendyll and Nick,

Please see the below email chain between Far North Solar Farm and FENZ regarding the Greytown Solar Farm application and the proffered conditions. FENZ have provided their approval subject to the conditions outlined below, which the Applicant accepts.

I have attached the site plan that FENZ has given approval to.

Kind regards  
Laila

**Laila Alkamil** | Planner  
Williamson Water and Land Advisory

Phone | +64 27 266 8405  
Email | Laila.Alkamil@wwla.kiwi  
Web | <https://www.wwla.kiwi/>

10/1 Putaki Drive | Kumeu | Auckland | New Zealand

----- Forwarded message -----

From: **Laila Alkamil** <laila.alkamil@wwla.kiwi>  
Date: Wed, 28 Jun 2023 at 16:07  
Subject: Re: Far North solar farm consent - FENZ meeting  
To: Fleur Rohleder <[Fleur.Rohleder@beca.com](mailto:Fleur.Rohleder@beca.com)>  
Cc: Allen, Brendon <[Brendon.Allen@fireandemergency.nz](mailto:Brendon.Allen@fireandemergency.nz)>, John Andrews <[john@fnsf.co.nz](mailto:john@fnsf.co.nz)>, Richard Homewood <[Richard@fnsf.co.nz](mailto:Richard@fnsf.co.nz)>

Good afternoon Fleur,

Thank you for your response and providing those conditions.

I can confirm the Far North Solar Farm Ltd has no issues accepting those conditions as outlined below.

Many thanks for your assistance with this application.

Kind regards  
Laila

**Laila Alkamil** | Planner

On Wed, 28 Jun 2023 at 15:52, Fleur Rohleder <[Fleur.Rohleder@beca.com](mailto:Fleur.Rohleder@beca.com)> wrote:

Kia ora Laila,

Thank you very much for the updated plans.

Brendon has confirmed that the new layout looks good.

Are you happy to include the proposed conditions below?

- Each water tank shall be fitted with an appropriate coupling in accordance with the New Zealand Fire Service Fire Fighting Water Supplies Code of Practice SNZ PAS 4509:2008
- Each crossing over the water races must be able to withstand a laden weight of up to 25 tonnes with an axle load of 8 tonnes.
- Prior to commencing operation of the solar farm, the consent holder shall provide evidence to South Wairarapa District Council that an Emergency Response Plan (ERP) has been developed in consultation with Fire and Emergency addressing the following:
  - Foreseeable on-site and off-site fire events and other emergency incidents, (e.g. fires involving solar panel arrays, bushfires in the immediate vicinity or potential hazardous materials incidents)
  - Details the appropriate risk control measures that would need to be implemented to safely mitigate potential risks to the health and safety of firefighters and other first responders (including electrical hazards). Such measures would include the level of personal protective clothing required to be worn, the minimum level of respiratory protection required, decontamination procedures, minimum excavation zone distances and a safe method of shutting down and isolating the photovoltaic system (either in its entirety or partially, as determined by risk assessment).
  - Other risk control measures that may need to be implemented in a fire emergency due to any unique hazards specific to the site should also be included
  - Two copies of the ERP are stored in a prominent 'Emergency Information Cabinet' which should be located in a position directly adjacent to the site's main entry point
- Once constructed and prior to operation, the operator of the facility shall make contact with Fire and Emergency to arrange site and procedural familiarisations for emergency crews.

Once again just want to say we really appreciate how proactive and cooperative you and your team has been in terms of engaging with FENZ and ensuring a safe outcome is achieved.

Ngā mihi,

**Fleur Rohleder**

Planner

Beca

DDI: +64 4 460 1792

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Sensitivity: General

From: Laila Alkamil <laila.alkamil@wwla.kiwi>

**Sent:** Tuesday, 27 June 2023 10:19 am

**To:** Fleur Rohleder <[Fleur.Rohleder@beca.com](mailto:Fleur.Rohleder@beca.com)>

**Cc:** Allen, Brendon <[brendon.allen@fireandemergency.nz](mailto:brendon.allen@fireandemergency.nz)>; Wadsworth, Stephen <[steve.wadsworth@fireandemergency.nz](mailto:steve.wadsworth@fireandemergency.nz)>; John Andrews <[john@fnsf.co.nz](mailto:john@fnsf.co.nz)>; Richard Homewood <[Richard@fnsf.co.nz](mailto:Richard@fnsf.co.nz)>

**Subject:** Re: Far North solar farm consent - FENZ meeting

Good morning Fleur,

Thanks for your patience while we updated the site layout plan to show the new location of the inverters.



Please see the updated plan **attached**.

Let me know if you have any further comments / questions regarding this.

Kind regards

Laila

**Laila Alkamil** | Planner  
Williamson Water and Land Advisory

Phone | +64 27 266 8405  
Email | [Laila.Alkamil@wwla.kiwi](mailto:Laila.Alkamil@wwla.kiwi)  
Web | <https://www.wwla.kiwi/>

10/1 Putaki Drive | Kumeu | Auckland | New Zealand

On Wed, 21 Jun 2023 at 15:15, Fleur Rohleder <[Fleur.Rohleder@beca.com](mailto:Fleur.Rohleder@beca.com)> wrote:

Awesome, thank you for the update 😊

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Sensitivity: General

From: Laila Alkamil <[laila.alkamil@wwla.kiwi](mailto:laila.alkamil@wwla.kiwi)>  
**Sent:** Wednesday, 21 June 2023 3:10 pm  
**To:** Fleur Rohleder <[Fleur.Rohleder@beca.com](mailto:Fleur.Rohleder@beca.com)>  
**Cc:** Allen, Brendon <[brendon.allen@fireandemergency.nz](mailto:brendon.allen@fireandemergency.nz)>; Wadsworth, Stephen <[steve.wadsworth@fireandemergency.nz](mailto:steve.wadsworth@fireandemergency.nz)>; John Andrews <[john@fnsf.co.nz](mailto:john@fnsf.co.nz)>  
**Subject:** Re: Far North solar farm consent - FENZ meeting

Hi Fleur,

I just wanted to update you on how we are progressing with the site layout plan.

We are in the process of updating the site layout plan to show these changes, however we need to obtain design advice before providing a finalised design.

The new design will include:

- Passing areas located by water tanks to allow for fire appliances to pass; and
- Locating water tanks near the entrances (approximately 50 m from inverters) and across the site, near the water races if possible.

We are also shifting the location of the inverters 100 m from adjacent dwellings to avoid potential noise effects.

I will be in touch with the revised plan in due course.

Kind regards

Laila

**Laila Alkamil** | Planner

Williamson Water and Land Advisory

Phone | +64 27 266 8405

Email | [Laila.Alkamil@wwla.kiwi](mailto:Laila.Alkamil@wwla.kiwi)

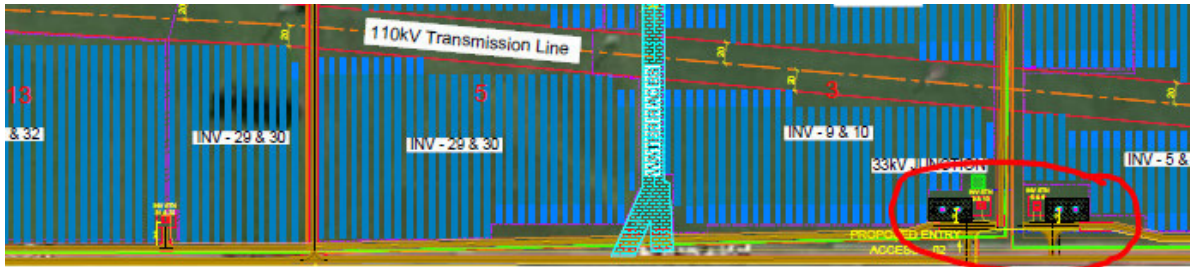
Web | <https://www.wwla.kiwi/>

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On Tue, 13 Jun 2023 at 10:07, Fleur Rohleder <[Fleur.Rohleder@beca.com](mailto:Fleur.Rohleder@beca.com)> wrote:

Kia ora Laila,

Thank you for sending this through. I've had a chat with Brendon and overall the changes are looking good. One area of concern though is the proximity of some water tanks to the inverters.



Would it be possible to move either the water tanks & hard stands OR the inverters? Potential locations Brendon suggested were relocating to proposed entry access 01, or slightly further north into the site.

Otherwise, please let me know what you think of the proposed conditions of consent below:

- Each water tank shall be fitted with an appropriate coupling in accordance with the New Zealand Fire Service Fire Fighting Water Supplies Code of Practice SNZ PAS 4509:2008
- Each crossing over the water races must be able to withstand a laden weight of up to 25 tonnes with an axle load of 8 tonnes.
- Prior to commencing operation of the solar farm, the consent holder shall provide evidence to South Wairarapa District Council that an Emergency Response Plan (ERP) has been developed in consultation with Fire and Emergency addressing the following:
  - Foreseeable on-site and off-site fire events and other emergency incidents, (e.g. fires involving solar panel arrays, bushfires in the immediate vicinity or potential hazardous materials incidents)
  - Details the appropriate risk control measures that would need to be implemented to safely mitigate potential risks to the health and safety of firefighters and other first responders (including electrical hazards). Such measures would include the level of personal protective clothing required to be worn, the minimum level of respiratory protection required, decontamination procedures, minimum excavation zone distances and a safe method of shutting down and isolating the photovoltaic system (either in its entirety or partially, as determined by risk assessment).
  - Other risk control measures that may need to be implemented in a fire emergency due to any unique hazards specific to the site should also be included
  - Two copies of the ERP are stored in a prominent 'Emergency Information Cabinet' which should be located in a position directly adjacent to the site's main entry point
- Once constructed and prior to operation, the operator of the facility shall make contact with Fire and Emergency to arrange site and procedural familiarisations for emergency crews.

Brendon, please let me know if you feel I have missed anything in the above conditions.

Ngā mihi,

**Fleur Rohleder**

Planner

Beca

DDI: +64 4 460 1792

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Sensitivity: General

From: Laila Alkamil <[laila.alkamil@wwla.kiwi](mailto:laila.alkamil@wwla.kiwi)>

**Sent:** Friday, 9 June 2023 8:56 am

**To:** Fleur Rohleder <[Fleur.Rohleder@beca.com](mailto:Fleur.Rohleder@beca.com)>; Allen, Brendon <[brendon.allen@fireandemergency.nz](mailto:brendon.allen@fireandemergency.nz)>;  
Wadsworth, Stephen <[steve.wadsworth@fireandemergency.nz](mailto:steve.wadsworth@fireandemergency.nz)>

**Cc:** John Andrews <[john@fnsf.co.nz](mailto:john@fnsf.co.nz)>

**Subject:** Re: Far North solar farm consent - FENZ meeting

Hi Fleur, Brendon and Stephen,

Many thanks for your time earlier this week to discuss the Greytown Solar Farm proposal.

Please see **attached** the updated site layout plans. Based on our discussion, we have made the following changes to the site layout:

- Water tanks shown as 30,000 litres.

- Hard stand area included by water tanks for fire appliances.
- Water tanks moved to the entrance of the site (behind screening).
- Ensure all internal roads are linked to an internal ring road around the site.

Please review and let me know what further feedback you have.

With regards to the use of the water race as an alternative water supply for firefighting (via placement of a weir), this is not permitted under the bylaw regulations. We could seek the approval of Wellington Water to do this if you consider it necessary, but this is something we would seek not to condition given it requires third party approval.

Kind regards

Laila

**Laila Alkamil** | Planner  
Williamson Water and Land Advisory

Phone | +64 27 266 8405

Email | [Laila.Alkamil@wwla.kiwi](mailto:Laila.Alkamil@wwla.kiwi)

Web | <https://www.wwla.kiwi/>

10/1 Putaki Drive | Kumeu | Auckland | New Zealand

On Wed, 7 Jun 2023 at 09:06, Fleur Rohleder <[Fleur.Rohleder@beca.com](mailto:Fleur.Rohleder@beca.com)> wrote:

Kia ora everyone,

Popping a time into our diaries to discuss potential options / conditions to mitigate Fire and Emergency's concerns regarding the safety of the proposed development.

Please let me know if you would prefer an alternative time.

Ngaa mihi,

Fleur Rohleder

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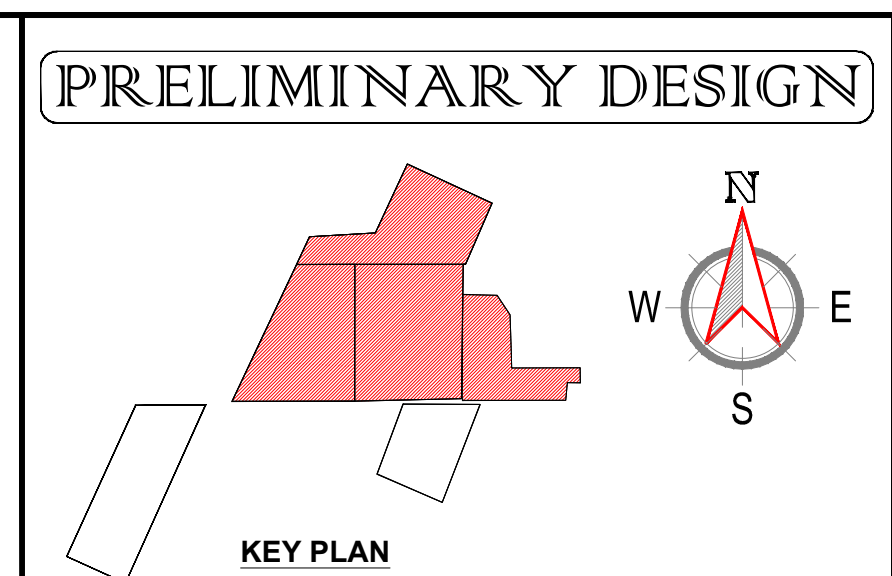
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GENERAL NOTES	
1.	ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE SPECIFIED.
2.	FINAL LAYOUT WILL BE DETERMINED AFTER SITE SURVEY.

## LEGEND

-  - 2 x 28 PV TRACKER MODULE (JA 570Wp)
-  - 2 x 13 PV TRACKER MODULE (JA 570Wp)
-  - WATER RACES
-  - 110KV TRANSMISSION LINE
-  - PLANT INTERNAL ROAD (4m WIDTH)
-  - UNDERGROUND TRENCH  
(33kV INVERTER/COMMUNICATION CABLE)
-  - INVERTER STATION
-  - SCREENING TREES (2m Height)
-  - PROPOSED CANAL CROSSING
-  - 30,000 LIT WATER TANK WITH FIRE  
FIGHTING FIT
-  - INVERTER STRING AREA
-  - HARDSTAND FOR FIRE FIGHTING TRUCK

REFERENCE DRAWINGS			
No.	DRAWING TITLE	DRAWING No.	
K	26-06-2023	DRAFT - RELOCATED FIRE TANKS AND INVERTERS.	
I	08-06-2023	DRAFT - ADDED HARDSTAND, RELOCATED FIRE TANKS.	
H	01-06-2023	DRAFT - RENAME 110kV, WATER RACES & INV STN MOVED.	
G	09-02-2023	DRAFT - UPDATED WITH INVERTER AREA.	
F	11-01-2023	DRAFT - UPDATED JA 570Wp MODULE.	
E	03-11-2022	DRAFT - UPDATED BOUNDARY AND WATER TANK	
D	14-10-2022	DRAFT - UPDATED WITH EXTENDED PLOT AREA	
C	28-09-2022	DRAFT - UPDATED PLANT ROAD, UNDERGROUND LINE	
B	14-09-2022	DRAFT	
A	02-09-2022	DRAFT	
<b>R</b>	<b>DATE</b>	<b>DESCRIPTION OF REVISION</b>	<b>REMARKS</b>

PROJECT NAME :  
  
**GREYTOWN 174.4MWp**  
**NEW ZEALAND**

OWNER'S ENGINEER :

GENERAL CONTRACTOR :

AQUILA

CAPITAL

PV SYSTEM DETAILS	
SITE COORDINATES	Lat: -41.12°S, Lon:175.43°E
MODULE TYPE	JA 570Wp
MODULE POWER (Wp)	570
MODULE QTY.	305,968
MOUNTING STRUCTURE TYPE	SINGLE AXIS TRACKERS
TURNING ANGLE	55°
PITCH	10.5 m
TABLE ARRANGEMENT	2 x 26, 2 x 13
No. OF MODULE PER STRING	26
<b>NOMINAL POWER (kWp)</b>	<b>174,402</b>
INVERTER	SMA SUNNY CENTRAL 4200 UP
INV. Nom. POWER (kWac)	4200
INVERTER QTY.	39
<b>INVERTER CAPACITY (kWac)</b>	<b>163,800</b>
<b>AC CAPACITY (MWac)</b>	<b>145</b>
MODULE AREA	219.3 ha