

**Office use only**Consent Number: **20-02056-4.0**Job Number: **10102**Date Received: **25 November 2020**Document Number: **2652337**New/Renewal/Change: **Replace**

## Resource Consent Application - Water Permits

**Application is for** To take and use surface water for general purposes (Form 300)  
**Online reference number:** CA201104957  
**Completed on:** 25 Nov 2020  
**Online application terms and conditions are accepted?** Yes  
**The applicant is a:** Company

### Applicant Details - Company

**Company Name** Trustpower Limited  
**Contact name** Lisa Mead

### Applicant Contact Details

**Contact person for this application** Lisa Mead  
**Email address** lisa.mead@trustpower.co.nz  
**Phone number** 0223183946

The Council will serve all formal documents electronically via email to the email addresses provided.

**Applicant Postal Address:** Private Bag 12023, Tauranga Mail Centre, Tauranga 3143

### Application Details

**Consent number of expiring consent** 2056-3.1  
**If you have discussed this proposal with a Council staff member, please give the person's name here:** Anna Johnston and Colin McLellan  
**What is the source of the water? Name the river, stream or lake.** Lake Mangamahoe  
**What purpose will the water be taken for?**

- Other

**Give details** Hydro-electricity generation  
**Is the taking from a dam or weir (either existing or yet to be constructed)?** No

**Describe the method of taking in detail including any structure necessary to facilitate taking of water.**

At the northern end of Lake Mangamahoe, an intake structure takes water to the Mangorei Power Station via a tunnel and penstocks.

Further details of the method of take are provided in the attached Assessment of Environmental Effects.

This application is being made concurrently with six other applications relating to the continued operation and maintenance of the Mangorei HEPS.

**Is a structure on, under, or over a river bed required?**

No

**What is the maximum rate of taking proposed (litres/second)?**

10000

**What is the maximum rate of taking proposed (cubic metres per day)?**

864000

**What is the maximum volume proposed to be taken in a 7-day period (m3)?**

6048000

**Please indicate below how your taking will vary through a typical year**

**Maximum or near to maximum:**

- Jul
- Aug
- Sept
- Oct
- Nov
- Dec
- Jan
- Feb
- Mar
- Apr
- May
- Jun
- Feb
- Feb

**Less than maximum:**

**No taking expected:**

**Explain any variation in the rate of taking through the year.**

It is noted that the answers to the 'less than maximum' and 'no taking expected' questions above have been answered purely as progression through the application could not occur without the input of a response.

Information relating to variations in the rate of take are provided in the Hydrology Assessment appended to the Assessment of Environmental Effects.

**Explain why the rate requested is reasonable for your needs.**

The currently consented rate of take is required so to ensure that optimal hydro-electricity generation for the region can occur daily.

Further details relating to the rate requested are provided in the Assessment of Environmental Effects and the Hydrology Assessment appended to the Assessment of Environmental Effects.

# Hydrology

This application must include information about the stream flow at the site during dry periods and the availability of water for allocation. This information will need to be obtained by undertaking flow gaugings during summer if this has not been done previously. Please contact the Council's Hydrology Department to get advice about the existing flow record, and if necessary make arrangements for the gaugings to be undertaken.

**What is the mean annual low flow (MALF) at the take site (Litres/second)?** 0

**What is your understanding of the availability of water for allocation from the stream?**

It is noted that the answer to the mean annual flow for the lake has been answered as 0. This is due to the response box not allowing the input of an answer that reflects the typical lake level range of 150.3 - 149.3 m RL.

Further details of the Lake levels are provided in the attached Assessment of Environmental Effects and in the Hydrology Assessment appended to the Assessment of Environmental Effects.

# Location Map

**Site Location:**

-39.13111699963556,174.1309318877757



[Open Map](#)

# Assessment of Environmental Effects

An assessment of environmental effects (AEE) in accordance with Schedule 4 of the Resource Management Act 1991 must be provided with the application. The AEE detail must correspond to the scale of the effects that the activity may have on the environment.

Completing the AEE section of this form will be sufficient for most applications. However for activities with actual or potential effect that are significant, a separate comprehensive AEE report including specific investigations may be required.

Schedule 4 can be viewed by clicking [here](#).

Will you upload an 'Assessment of Environmental Effects' in the "Documents" step? Yes

## Environmental effects

If answers to the questions below are included in your assessment document, please state the document name and page number where appropriate.

Comment on the possible detrimental effects on the environment of the proposed taking and any proposed structure. Particular attention should be given to the effects on:

- Availability of water to downstream users
- The natural character of the river, lake or stream and visual aesthetics
- Cultural, spiritual, historic, recreational, scientific and amenity values
- Ecology (*e.g. river and lake habitat, vegetation, fish and fisheries, wildlife*)
- River flow

Comment

The environmental effects associated with the proposed water take are discussed in section 5 of the attached Assessment of Environmental Effects.

How will the adverse effects described above be mitigated? Include details of any proposed minimum flow.

Mitigation of the adverse effects of the proposed water take are discussed in section 5 of the attached Assessment of Environmental Effects.

Please note any other information that may assist the Council in processing your application.

Further details relating to the proposed water take are provided in the attached Assessment of Environmental Effects.

## Part 2 and Policy Assessment

An assessment of the activity against the matters set out in Part 2 of the RMA and against any relevant provision of policy documents and regulations must be provided with the application. The assessment must be in sufficient detail to satisfy the purpose for which its required.

For most applications, the brief assessment provided below will be adequate. However for activities with significant policy implications, a specific, more comprehensive assessment is likely to be required.

The proposal is consistent with Part 2 of the RMA (the focus of which is to promote sustainable management of natural resources) and supported by the relevant Regional Plan.

The *Regional Freshwater Plan for Taranaki* generally supports taking of surface water for irrigation if at least 2/3 of habitat at MALF is retained and particular regard is had for specific matters such as ecological and amenity values, existing and future needs, and the relationship of Tangata with the water body.

**Part 2 and policy assessment**

I adopt the RMA assessment above

## Consultation and Affected Parties

**Council may determine that your application is to be notified. But generally it will be non-notified if there are no more than minor adverse effects beyond the adjacent land, and if written approval is obtained from all those people who are likely to be adversely affected in a minor or more than minor way. Council will determine the people who are likely to be adversely affected and you will have the option of obtaining their written approval so that your application can be non-notified.**

**If the application is to take a significant amount of water (e.g. for pasture irrigation) you are strongly advised to discuss the application with the relevant iwi and with Fish & Game NZ. Fish & Game NZ Taranaki branch can be contacted on 06 7579676. Please contact Council consents department for appropriate iwi contact/s.**

**Are there any parties that may potentially be affected by this proposal?** Yes

**Name of affected party**

Mangorei Forum Collaboration Agreement

**Contact details**

NA

**Please outline any consultation you have undertaken with this party and the outcome.**

This forum consists of the following iwi and hapu: Te Kotahitanga o Te Atiawa Trust; Manukorihi hapū; Nga Mahanga a Tairi; Ngati Rahiri Hapū o Te Atiawa (Taranaki) Society Inc; Ngāti Tawhirikura hapū; Ngāti Te Whiti; Ngāti Maru; Ngāti Mutunga; Otaraua hapū; Pukerangiora hapū; and Puketapu hapū.  
Details of the consultation that has been undertaken with the forum is provided in section 6 of the attached Assessment of Environmental Effects.

**Have you obtained written approval from this potentially affected party?**

No

**Name of affected party**

Other Stakeholders

**Contact details**

NA

**Please outline any consultation you have undertaken with this party and the outcome.**

Trustpower has undertaken consultation with other stakeholders with an interest in the Waiwhakaiho River catchment.  
This has included staff from TRC, NPDC, Fish & Game, and the Department of Conservation.  
Details of the consultation undertaken with these groups is provided in section 6 of the attached Assessment of Environmental Effects.

**Have you obtained written approval from this potentially affected party?**

No

## Draft report and conditions

The Council officers will prepare a report assessing your application and recommend a decision, usually including recommended conditions. The Council routinely sends a draft of this report to the applicant for comment before the decision is finalised.

Would you like to see a draft report for comment? Yes

## Processing timeframes

The RMA specifies timeframes for processing resource consent applications (for example 20 working days for a non-notified application), however these timeframes can be extended with the applicant's agreement.

Do you agree to the Taranaki Regional Council extending RMA NA consent processing timeframes?

## Documents

[Mangorei HEPS AEE Cover Letter - Trustpower - 25 November 2020.pdf](#)

[Mangorei HEPS AEE - Trustpower - 25 November 2020.pdf](#)

[A. Land Ownership Maps - Tonkin & Taylor.pdf](#)

[B. Records of Title.pdf](#)

[C. Existing Resource Consent Conditions - Taranaki Regional Council.pdf](#)

[D. Natural Character, Landscape and Visual Assessment - Boffa Miskell.pdf](#)

[E. Sediment Assessment - Tonkin & Taylor.pdf](#)

[F. Hydrology Assessment - Tonkin & Taylor.pdf](#)

[G. Aquatic Ecology Assessment - Ryder Environmental Limited.pdf](#)

[H. Fish Passage and Fish Screening Assessment - Ryder Environmental Limited.pdf](#)

[I. Terrestrial Ecology Assessment - Ryder Environmental Limited.pdf](#)

[J. Recreation Assessment - Rob Greenaway & Associates.pdf](#)

[K. Proposed Consent Conditions - Trustpower.pdf](#)

Alternatively, you can provide a link to DropBox, Google Docs NA (or equivalent) here:

## Document checklist

Assessment of Environmental Effects Yes

Aerial photographs or map of site with specific details as requested in the Site Details section Yes

## Fees and payments

Total Paid	1437.50
Total charge:	1437.50
Payment reference:	CA201104957
Payment terms and conditions accepted?	NA
Where should invoices be sent?	Applicant

**Is a purchase order required?**

No

**Purchase order number:**

NA

**Payment Method**

Via Internet Banking

**Important notes regarding costs**

- Charges are determined in the Taranaki Regional Council's Long Term Plan. This can be viewed on our website [here](#).
- If your consent is notified, a larger deposit will be required. We will advise you if your application will be notified.
- Withdrawn applications will incur the cost for work done up to the date of withdrawal.
- Applications returned due to inadequate information will incur the cost of work done in receiving the application, assessing the information and returning the application.
- All collection costs incurred in the recovery of a debt will be added to the invoice amount due. Overdue invoices will incur an interest charge of 12% per annum.