

Office use onlyConsent Number: **20-02053-4.0**Job Number: **10102**Date Received: **25 November 2020**Document Number: **2652335**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:	CA201104213
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
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Application Details

Consent number of expiring consent	2053-3.2
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.	Waiwhakaiho River
What purpose will the water be taken for?	<ul style="list-style-type: none">• Other
Give details	Hydro-electricity generation
Is the taking from a dam or weir (either existing or yet to be constructed)?	Yes
Is the dam authorised by an existing consent or the subject of a separate consent application?	Yes
Please provide details	Consent 2053-3.2 has authorised the damming of the Waiwhakaiho River, the take of water from the Waiwhakaiho River, and the discharge of water from the Mangorei Power Station into the Waiwhakaiho River.

Existing dams/weirs generally do not need a resource consent if they are less than 3m high, do not restrict fish passage and the upstream catchment is less than 25ha. If a dam is to be constructed it must also meet other standards relating to environmental effects during construction. Please refer to Rule 59 of the [Regional Fresh Water Plan](#), or contact the Council for details of these additional standards.

Does the dam/weir need a resource consent?	No
Describe the method of taking in detail including any structure necessary to facilitate taking of water.	<p>In association with the separate consent application for the damming and diversion of up to 10 m³/s from the Waiwhakaiho River, this application proposes to take and use up to 10 m³/s of water for hydro-electricity generation from the Waiwhakaiho River by way of diversion to Lake Mangamahoe.</p> <p>Water will be diverted from the Waiwhakaiho River via a diversion weir to an intake structure connected to a 580 m long tunnel through to Lake Mangamahoe.</p> <p>Further details of the method of water take are provided in the attached Assessment of Environmental Effects.</p>

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?	Yes
If a structure on, under, or over a river bed is needed please attach sketch plan of the structure including dimensions in the "Documents" step.	
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 (m ³)?	6048000

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

Maximum or near to maximum:

- Aug

Less than maximum:

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

No taking expected:

- Feb

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

It is noted that the answers to the 'maximum or near to 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.

A take of the maximum value of 10 m³/s does and will not occur frequently, with takes of 9 m³/s or higher only occurring 0.1% of the time, and takes of 7 m³/s or higher occurring 6.3% of the time.

As per the existing and proposed consent conditions, the take does / will not occur when the flow of the Waiwhakaiho River is 85 m³/s or higher (approximately 0.68% - 0.82% of the time).

Additional information relating to variations in the rate of taking are provided in the Hydrology Assessment appended to the Assessment of Environmental Effects.

Explain why the rate requested is reasonable for your needs.

While the currently consented maximum rate of take is not frequently obtained, an increase in the consented take occurred in 2016 (to increase daily use to 864,000 m³ / day from 735,000 m³ / day) 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)?

2110

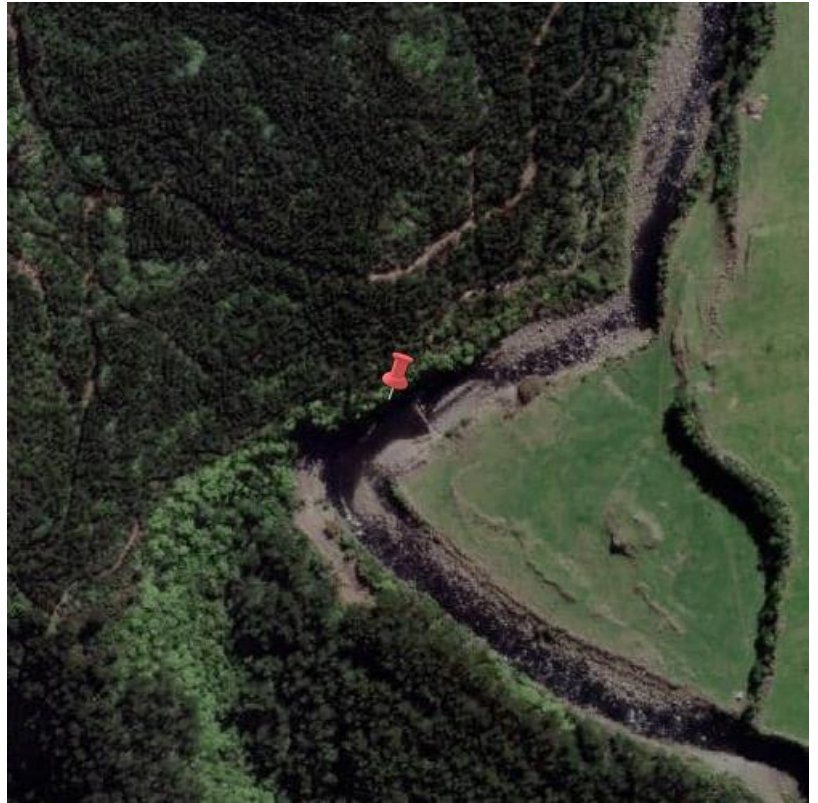
What is your understanding of the availability of water for allocation from the stream?

This application is to renew an existing allocation / take of water from the Waiwhakaiho River.

Location Map

Site Location:

-39.13108351497679,174.13089115172625



[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 consent processing timeframes? NA

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
Sketch of structure, including dimensions	Yes

Fees and payments

Total Paid	1437.50
Total charge:	1437.50
Payment reference:	CA201104213
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.