

Office use only

Consent Number: **20-04886-2.0**
Job Number: **10102**
Date Received: **20 November 2020**
Document Number: **2652346**
New/Renewal/Change: **Replace**

Resource Consent Application - Structures

Application is for Construct a dam (Form 320)
Online reference number: CA201104927
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

Site Details

Does the Applicant (as detailed in the Applicant Details section) own all of the land where the activity will occur? No

Landowner Details

Please note, written approval of any private landowner will be required and can be uploaded in the "Documents" step.

Landowner Full Name Crown
Landowner contact details (if known) NA
Site Address: Lake Mangamahoe, Burgess Park, New Plymouth 4371
Assessment/Valuation Number TNL2/193
What is the name of the river or stream where the activity is to occur? Mangamahoe Stream

Application Details

Application Purpose	Renewal of expiring consent
Consent number of expiring consent	4886-1
If you have discussed this proposal with a Council staff member, please give the person's name here:	Anna Johnston and Colin McLellan

A detailed drawing, including dimensions, must be attached with this application.

Dam information

Does the dam already exist?	Yes
What year was it constructed?	1931
What is the purpose of the dam?	The dam forms Lake Mangamahoe which is utilised to provide water storage for hydro-electricity generation by Trustpower and water supply for NPDC.
Is water to be taken from the dam?	No
Was the dam designed by an engineer?	Don't know
Will you upload plans for the dam in the Documents step?	No
What is the volume of the dam reservoir (at normal levels) in cubic metres?	1141000
What is the catchment area upstream of the dam (hectares)?	136
What is the dam to be constructed of (i.e. building materials)?	Earth
How have you determined that the spillway capacity is adequate to pass flood flow? Detail here or attach dimensions in the documents step. If attaching a document, state the document name and page number where this information can be found.	Details of the spillway capacity for passing flood flow is provided in section 2 of the attached Assessment of Environmental Effects.

Please attach the dimensions of the proposed dam in the documents step. A template for this is available on our website by clicking [here](#) .

Renewal details

Please provide a description of the activity/structure:	Consent 4886-1 provides for the erection and maintenance of structure in the Mangamahoe Stream in the Waiwhakaiho Catchment to dam the stream to form Lake Mangamahoe for hydroelectric power generation purposes. Consent 4886-1 expires on 1 June 2021. The application proposes to continue to use and maintain the existing Mangamahoe Dam located in the Mangamahoe Stream. Further details of the proposed activity and structure 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.
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Location Map

Site Location:

-39.118927792161365,174.12805655971172



[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.

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

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

Assessment of Environmental Effects (renewal applications)

Summarise the monitoring that had been undertaken and the environmental effects as identified by that monitoring. If this is included in your assessment document, please state the document name and page number. A summary of the monitoring that has been undertaken and the environmental effects as identified by the monitoring are provided in section 5 of the attached Assessment of Environmental Effects.

Is there any evidence of the structure causing erosion to the riverbed or bank? No

Will you upload a document that summarises monitoring undertaken and any other required information and/or expands on the responses provided? Yes

Environmental effects - Damming

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

Will the dam be across a permanently flowing stream?

Yes

Comment on the effect the dam will have on flow downstream during dry periods. If provision has been made to allow some flow past the dam, please give details.

The dam has been evident across the Mangamahoe Stream since 1931. Further details of the impact of the dam on flows in the Mangamahoe Stream are provided in section 2 of the attached Assessment of Environmental Effects.

What provision is made for fish passage past the dam? Indicate species that will be provided for and attach drawing of fish pass if appropriate. If no provision for fish passage is proposed, explain why not.

Details of the fish passage that are provided past the dam (by way of a trap and transfer programme) are detailed in section 2 of the attached Assessment of Environmental Effects.

Will you attach a diagram or plans of the fish pass in the Documents step?

No

What provision has been made to cope with flood flows? If there is no spillway explain how waters will pass safely.

A spillway is evident at the dam. Details of the spillway and its capacity are provided in the attached Assessment of Environmental Effects.

Comment on the potential for damage in the event of dam failure (e.g. effects on downstream bridges, roads, property)

An assessment of dam safety is provided in section 5 of the attached Assessment of Environmental Effects.

Comment of the effects of the reservoir (e.g. potential flooding or other effects to neighbours)

A thorough assessment of the environmental effects of the Mangorei HEPS and dam are provided in section 5 of the attached Assessment of Environmental Effects.

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

NA

Are there any other environmental effects likely to occur?

No

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 Fresh Water Plan for Taranaki* generally supports damming of water if the effects during construction and ongoing adverse effects such as those associated with restricted fish passage, reduced flow downstream and flooding are avoided, remedied or mitigated. These requirements can be met by including reasonable conditions on any consent granted.

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.

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

Surrender of existing consent

Please note that your existing consent is to be surrendered on the granting of this application.

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 (or equivalent) here: NA

Document checklist

Dimensions of proposed dam	Yes
Summary of previous monitoring history	Yes
Assessment of Environmental Effects	Yes

Fees and payments

Total Paid	1437.50
Total charge:	1437.50
Payment reference:	CA201104927
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.