APPENDIX D: PROPOSED CONSENT CONDITIONS

These conditions are proffered by Genesis at the date at which the FTA application for approval is lodged. However, it is noted that discussion continues with some parties and that the conditions may change in response to those discussions.

CONSENT HOLDER: Genesis Energy Limited

CONSENT TYPE: Water Permit

CONSENT SCOPE:

Activity Authorised

1. The damming of the Takapō / Tekapo River via the Lake Takapō / Tekapo Control Structure (Gate 16) to control and operate the levels of Lake Takapō / Tekapo.
2. The taking, diverting and using of water from Lake Takapō / Tekapo via the Tekapo Intake for the generation of electricity, and ancillary purposes, at the Tekapo A and B Power Stations.
3. The damming of the Takapō / Tekapo River at the Lake George Scott Control Weir to control and maintain the water levels in Lake George Scott.
4. The taking and diversion of water from the Takapō / Tekapo River via the Tekapo Canal Control Structure (Gate 17).

Site Location

Tekapo Power Scheme – Lot 1 DP 421602, Lot 1 DP 562455, Lot 1 DP 439605, Section 2 SO 567261, Lot 2 DP 364538, Lot 1 DP 407182, Lot 2 DP 407182, Section 1 SO 331257, Section 1 SO 20293, Section 1 SO 394353, Section 2 SO 394353.

Map References

Structure	NZTM Coordinate	
	Easting	Northing
Tekapo Intake	1397200	5124969
Tekapo Dam and Gate 16	1398034	5124317
Tekapo A (Tailrace)	1396434	5123398

Structure	NZTM Coordinate	
	Easting	Northing
Gate 17 (Lake George Scott)	1396525	5123314
Lake George Scott Weir	1396531	5123259
Tekapo Canal (Upstream)	1396434	5123398
Tekapo Canal (Downstream)	1378199	5111027

Consent Duration 35 years from the date of commencement of this consent

GENERAL

1. The damming, taking, diversion and use of water authorised by this resource consent must be undertaken in general accordance with the information provided in the document "Genesis Energy Limited Tekapo Power Scheme: Fast-track Application for Resource Consents and Assessment of Environmental Effects" dated XXX 2025. In the event of any conflict or discrepancy between this document and the conditions of this resource consent, the conditions prevail.

2. The Consent Holder must ensure that the damming, taking, diversion and use of water authorised by this resource consent are carried out in accordance with the following conditions and to the conditions set out in Schedule One – General Conditions. Where there is a difference or apparent conflict between the conditions below and the general conditions in Schedule One, the specific conditions in this consent prevail.

3. The consent holder must ensure that compliance with the consent conditions is maintained at all times, except where an alternative operating regime is necessary in order to maintain the structural integrity and safety of any of the Tekapo Power Scheme or Waitaki Power Scheme infrastructure or public safety.

   In the above circumstances, the consent holder must take all reasonably practicable steps to comply with the consent conditions below and in Schedule One and to safely return the Tekapo Power Scheme to normal operation.

   Where control of the Tekapo Power Scheme cannot be returned to normal operation within two hours, the consent holder must notify the Canterbury Regional Council attention: RMA Compliance and Enforcement Manager, Te Rūnanga o Arowhenua, Te Rūnanga o Waihao and Te Rūnanga o Moeraki within two working days of the circumstances identified in this condition occurring at the Tekapo Power Scheme and

must provide a timetable for returning to normal operation as soon as practicable if that has not occurred by the time a report is required.

DIVERSION AND WATER TAKE REQUIREMENTS

4. The maximum volume of water that can be taken for the Tekapo Power Scheme shall not exceed that necessary to provide for the annual allocation to activities specified in the table attached as Appendix 1.

5. Provided that the combined divert, take and use does not exceed a maximum of up to 130 cubic metres of water per second, the consent holder may:

   (a) Divert, take and use up to 130 cubic metres of water per second from Lake Takapō / Tekapo via the Tekapo Intake Structure for hydro-electricity generation purposes.

   (b) Divert, take and use up to 130 cubic metres of water per second from the Takapō / Tekapo River via the Tekapo Canal Control Structure (Gate 17) for hydro-electricity generation purposes.

6. Except as provided for in condition 7 below, the consent holder may at any time take or divert water from Lake Takapō / Tekapo, for the purpose of hydro electricity generation, when the lake level exceeds the following minimum operating levels:

Period	**Lake Level (metres above mean sea level, Lyttelton 1837 datum)**
April to September (inclusive)	702.1
October to March (inclusive)	704.1

7. The consent holder may take or divert water from Lake Takapō / Tekapo for hydro-electricity generation uses until the lake level reaches 701.8 metres above mean sea level (Lyttelton 1937 datum) for hydro-electricity generation uses when the aggregate storage for New Zealand or the South Island is below the relevant trigger level specified in System Operator Contingent Storage Release Boundary identified under Security of Supply Forecasting and Information Policy (as approved under Part 7 of the Electricity Industry Participation Code 2010), or any subsequent equivalent regulatory arrangement and notice of the reduction in lake level and its expected duration is given to Canterbury Regional Council, Te Rūnanga o Arowhenua, Te Rūnanga o Waihao and Te Rūnanga o Moeraki as soon as practicable.

8. If the lake level has been reduced in accordance with condition 7, the consent holder must restore Takapō / Lake Tekapo to the minimum consented lake level under condition 6 for that time of year as soon as practicable, after consideration of electricity generation levels required to maintain security of electricity supply in New Zealand as well as present and likely lake inflows; and

   (a) The consent holder must advise the Canterbury Regional Council, Te Rūnanga o Arowhenua, Te Rūnanga o Waihao and Te Rūnanga o Moeraki weekly of:

      i. The progress towards, and the expected timetable for restoring Takapō / Lake Tekapo to the consented minimum lake level under condition 6; and

      ii. The strategies adopted to restore Takapō / Lake Tekapo to the consented minimum lake level; and

      iii. The lake level at the end of each reporting week.

   (b) No later than eight weeks following the completion of each activation of condition 7, the consent holder must, provide the Canterbury Regional Council, Te Rūnanga o Arowhenua, Te Rūnanga o Waihao and Te Rūnanga o Moeraki with the following information:

      i. The date and time at which Takapō / Lake Tekapo was lowered below the consented minimum lake level under condition 6;

      ii. The levels at which Takapō / Lake Tekapo was managed over the duration of the activation;

      iii. The duration of the activation;

      iv. The length of time following completion of the activation for Takapō / Lake Tekapo to be restored to the consented minimum lake level under condition 6; and

      v. A written description of the circumstances leading to activation.

9. If the consent holder has managed the lake level in accordance with condition 7 in the previous 12 months, the Canterbury Regional Council may review condition 8 of this consent by giving notice of its intention to do so in accordance with section 128 of the RMA, at any time within six months following the receipt of the information required in condition 8(b), for the purpose of amending or adding conditions to ensure that

adverse effects of the management of the lake levels under condition 7 are appropriately managed.

MONITORING REQUIREMENTS

10. The consent holder must install and operate a monitoring device or system capable of measuring, at a minimum of 15 minute intervals and with +/- 5% measurement accuracy, the rate of diverting and taking of water from Lake Takapō / Tekapo. The monitoring device must be telemetered and report the data electronically to the Canterbury Regional Council at least once per day.

11. The consent holder must install and operate a monitoring device or system at Gate 17 capable of measuring, at a minimum of 15 minute intervals and with +/- 10% measurement accuracy, the rate of diverting and taking of water from the Takapō / Tekapo River via Gate 17. The monitoring device must be telemetered and report the data electronically to the Canterbury Regional Council at least once per day.

12. The consent holder must keep records of the levels of Lake Takapō / Tekapo determined as an hourly average of levels taken over a 60 minute period and make them available to the Canterbury Regional Council upon request. These levels must be measured at the Lake Takapō / Tekapo Stilling Well lake level recording site, or at some alternative location approved in advance by Canterbury Regional Council.

CONSENT HOLDER: Genesis Energy Limited

CONSENT TYPE: Discharge Permit

CONSENT SCOPE

Activity Authorised

1. The discharge of water and associated contaminants into Lake Pūkaki from the Tekapo B Power Station.

2. The discharge of water and associated contaminants into the Takapō / Tekapo River from the Lake Takapō / Tekapo Control Structure (Gate 16) for the purposes of high flow management, to bypass Tekapo A Power Station, for Lake George Scott Water level maintenance, maintenance activities, and/or for recreational release purposes.

3. The discharge of water and associated contaminants into the Takapō / Tekapo River from the Lake George Scott Control Weir for maintenance activities and high flow management.

Site Location

Tekapo Power Scheme – Lot 1 DP 421602, Lot 1 DP 562455, Lot 1 DP 439605, Section 2 SO 567261, Lot 2 DP 364538, Lot 1 DP 407182, Lot 2 DP 407182, Section 1 SO 331257, Section 1 SO 20293, Section 1 SO 394353, Section 2 SO 394353.

Map References

Structure	NZTM Coordinate	
	Easting	Northing
Tekapo Dam and Gate 16	1398034	5124317
Lake George Scott Weir	1396531	5123259
Tekapo B (Power Station)	1376944	5110723

Consent Duration: 35 years from the date of commencement of this consent

GENERAL

1. The discharge of water and associated contaminants must be undertaken in general accordance with the information provided in the document “Genesis Energy Limited Tekapo Power Scheme: Fast-track Application for Resource Consents and Assessment of Environmental Effects” dated XXX 2025. In the event of any conflict

or discrepancy between this document and the conditions of this resource consent, the conditions prevail.

2. The Consent Holder must ensure that the discharge of water and associated contaminants authorised by this resource consent is carried out in accordance with the following conditions and to the conditions set out in Schedule One – General Conditions. Where there is a difference or apparent conflict between the conditions below and the general conditions in Schedule One, the specific conditions in this consent prevail.

3. The consent holder must ensure that compliance with the consent conditions is maintained at all times, except where an alternative operating regime is necessary in order to maintain the structural integrity and safety of any of the Tekapo Power Scheme or Waitaki Power Scheme infrastructure or public safety.

   In the above circumstances, the consent holder must take all reasonably practicable steps to comply with the consent conditions below and in Schedule One and to safely return the Tekapo Power Scheme to normal operation.

   Where control of the Tekapo Power Scheme cannot be returned to normal operation within two hours, the consent holder must notify the Canterbury Regional Council attention: RMA Compliance and Enforcement Manager, Te Rūnanga o Arowhenua, Te Rūnanga o Waihao and Te Rūnanga o Moeraki within two working days of the circumstances identified in this condition occurring at the Tekapo Power Scheme and must provide a timetable for returning to normal operation as soon as practicable if that has not occurred by the time a report is required.

DISCHARGE RATES

4. The consent holder may discharge up to 130 cubic metres of water per second from the Tekapo B Tailrace to Lake Pūkaki.

5. The consent holder may discharge water to the Takapō / Tekapo River via the Lake Tekapo Control Structure (Gate 16).

6. The consent holder may discharge water into the Takapō / Tekapo River via the Lake George Scott Control Weir.

SCHEDULE ONE – GENERAL CONDITIONS

CONSENT HOLDER: Genesis Energy Limited

Resource consents [*insert consent numbers*] for the Tekapo Power Scheme are granted subject to the following general conditions:

MANAGEMENT OF LAKE TAKAPŌ / TEKAPO LEVELS

1. Except as provided for by the specific conditions of resource consent [*insert water permit consent number*], the consent holder may at any time operate the Tekapo Power Scheme to manage the level of Lake Takapō / Tekapo, for the purpose of water storage for hydro electricity generation, between the following control levels:

   (a) Maximum control lake level:

Period	Lake Level (metres above mean sea level, Lyttelton 1937 datum)
March	710.00
April	710.30
May	710.60
June	710.90
July	710.90
August	710.30
September to February (inclusive)	709.70

   (b) Minimum lake level:

Period	Lake Level (metres above mean sea level, Lyttelton 1937 datum)
April to September (inclusive)	702.1
October to March (inclusive)	704.1

LAKE TAKAPŌ / TEKAPO HIGH FLOW MANAGEMENT

2. If at any time Lake Takapō / Tekapo rises above a maximum control lake level specified in condition 1(a) during the relevant period, then the Tekapo Power Scheme must be operated in such a way so as to safely return to that maximum control lake

level as soon as is practicable and in accordance with a Lake Takapō / Tekapo High Flow Management Plan ("**HFMP**") prepared by a suitably qualified and experienced person(s).

3. The purpose of the HFMP is to document how the flows via structures controlled by the consent holder (the Tekapo Intake structure, Gate 16 (the Lake Tekapo Control Structure) on the outlet of Lake Takapō / Tekapo, the Lake George Scott weir and Gate 17 to the Tekapo Canal) will be managed to:

   (a) Reduce lake levels as required by condition 2; and

   (b) Protect the integrity of the Tekapo Power Scheme structures during periods when inflows to the lake raise the lake level above the maximum lake level specified in condition 1(a).

4. As a minimum, the HFMP must include or address the following specific matters:

   (a) The combined total discharge flow from Lake Takapō / Tekapo (Tekapo A Power Station via the Tekapo Intake Structure plus Gate 16) that will be maintained at a minimum, to reduce lake levels to the maximum control lake level specified in condition 1(a);

   (b) The rate at which the combined rates of flow to the Tekapo A Power Station (via the Tekapo Intake Structure) and to the Takapō / Tekapo River via Gate 16 will be adjusted to meet the rates identified in (a) above;

   (c) The design flow rate for Gate 16, Gate 17 and the Lake George Scott weir;

   (d) How Gate 17 will be operated during events where the water level in Lake Takapō / Tekapo exceeds the maximum lake level specified in condition 1(a);

   (e) Any controls required for the Lake George Scott weir; and

   (f) Notification procedures (including parties to be notified) when the HFMP is being implemented.

5. Within six months of the commencement of this consent and following consultation with the Canterbury Regional Council, Mackenzie District Council and the operators of the Waitaki Power Scheme, the consent holder must provide an updated Lake Takapō / Tekapo HFMP to the Canterbury Regional Council, attention: RMA Compliance and Enforcement Manager, for certification that the matters in (a) to (f) have been addressed.

6. The HFMP certified under condition 5 must be reviewed at intervals of not more than ten years by a suitably qualified and experienced person(s) and any amendments, following consultation with the Canterbury Regional Council, Mackenzie District Council and the operators of the Waitaki Power Scheme, must be provided to the Canterbury Regional Council, attention: RMA Compliance and Enforcement Manager, for certification that the matters in condition 4(a) to (f) have been addressed.

7. If the consent holder has not received a response (other than acknowledgement of receipt) from the Canterbury Regional Council confirming certification of the HFMP prepared under conditions 3 and 4 or any amendments to the HFMP prepared under condition 6 within 20 working days of the date their submission to the Canterbury Regional Council, the HFMP or revised HFMP shall be deemed to be certified.

8. When the level of Lake Takapō / Tekapo exceeds a maximum lake level specified in condition 1(a) during the relevant period, the consent holder must operate the Tekapo Power Scheme in accordance with the HFMP certified under condition 5 or the updated HFMP certified under condition 6 so as to safely return the level of the lake to the maximum lake level specified in condition 1(a) (or less) for the relevant period as soon as is practicable.

9. The consent holder must use reasonable endeavours to operate Gate 16 and Gate 17 to minimise the rate of change of flow down the Takapō / Tekapo River to manage flow fluctuations. If the Gate 17 discharge is altered while there is a discharge over the Lake George Scott weir to the Takapō / Tekapo River, the Gate 16 and Gate 17 operations must be managed to minimise abrupt changes in discharge down the Takapō / Tekapo River. For the purpose of implementing the HFMP, the following conditions 10 to 14 apply.

10. The initial discharge into the Takapō / Tekapo River from Lake George Scott (over the Lake George Scott weir) must not exceed a maximum rate of 20 m^3/s for a period of not less than six hours.

11. The next discharge step must not exceed a maximum rate of 45 m^3/s and must not be increased for at least three hours.

12. Unless lake levels are 0.4 m or more above the maximum control lake level specified in condition 1(a), further increases in discharges below the Lake George Scott weir must ensure that:

(a) The maximum increase in flow at each gate change must not exceed 20 m^3/s; and

(b) There must be at least one hour between gate changes.

13. If Gate 16 is in use when Lake Takapō / Tekapo is below the maximum control level specified in condition 1, the discharge below the Lake George Scott weir must be reduced at a maximum rate of 20 m^3/s per hour.

14. When Gate 16 is being progressively closed, and discharge is occurring over the Lake George Scott weir at a rate at or below 20 m^3/s, the following minimum flows over the Lake George Scott weir must be maintained to simulate natural recession of the Takapō / Tekapo River:

Step One: 20 m^3/s for 24 hours;

Step Two: 12 m^3/s for 24 hours;

Step Three: 5 m^3/s for 24 hours;

Step Four: 2 m^3/s for 48 hours; and

Step Five: cease flow over Lake George Scott weir.

15. Notwithstanding condition 14, any flow under 10 m^3/s for under 90 minutes in duration will not be deemed to trigger the recession rules in conditions 10 to 14. For the avoidance of doubt this does not preclude notification and potential sports fish salvage in accordance with the Sports Fish Salvage Management Plan under condition 17.

16. Should it be required to use Gate 16 or the Lake George Scott weir when Lake Takapō / Tekapo is below the maximum control lake level specified in condition 1(a), the Lake George Scott weir must be operated within the general provisions set out in conditions 9 to 15.

SPORTS FISH SALVAGE MEASURES

17. The Consent Holder must provide for sports fish salvage, undertaken in accordance with a Sports Fish Salvage Management Plan ("**FSMP**") for the Tekapo Power Scheme developed following consultation with the Central South Island Fish and Game Council, upon any of the following occurring:

(a) An Extended Flow Event (as defined in the FSMP); and

(b) A Significant Stranding Event (as defined in the FSMP) at:

(i) Gate 16 Stilling Basin;

(ii) Upper Takapō / Tekapo River Area 1 to Canoe Course (and as shown in Schedule 2 of the FSMP);

(iii) George Scott Weir Stilling Basin; and

(iv) Lower Takapō / Tekapo River, Area 6 (and as shown in Schedule 2 of the FSMP); or

(c) When the Tekapo A draft tube and/or Tekapo Canal are dewatered.

18. The purpose of the FSMP is to describe the action(s) to be taken by the Consent Holder to reduce sports fish mortality through undertaking sports fish salvage when one or more of the events in condition 17 (a), (b) or (c) apply.

19. The FSMP must include:

(a) Provision for specific appendices to be included for sports fish salvage in the event that the Tekapo A draft tube and/or Tekapo Canal are dewatered;

(b) Protocol(s) for undertaking the sports fish salvage process, including ensuring that sports fish are not relocated to areas where sports fish are currently excluded;

(c) Communications protocol between the consent holder and Central South Island Fish and Game Council to inform of significant stranding events of sports fish, monitoring and reporting;

(d) Timeframes for sports fish salvage to take place after Significant Stranding Events;

(e) Reporting provisions for sports fish salvage success including alive, dead and remaining fish; and

(f) Health and safety requirements and communications for any person undertaking sports fish salvage.

20. In the event of the Consent Holder intending to dewater either (or both of) the Tekapo A draft tube and/or Tekapo Canal, the Consent Holder must, following consultation with Central South Island Fish and Game Council, prepare a sports fish salvage plan. That plan, and any comments from Central South Island Fish and Game Council not

adopted, with reasons why, must become an appendix to the FSMP and be provided to Canterbury Regional Council for information.

21. The Consent Holder must, following consultation with Central South Island Fish and Game Council, every 5 years review of the effectiveness of the FSMP in achieving its purpose.

22. The Consent Holder must provide a copy of the FSMP, and any revised FSMP, and any sports fish salvage plan under condition 20 to Canterbury Regional Council attention: RMA Compliance and Enforcement Manager for information.

23. The Consent Holder must at all times comply with the FSMP, and any revised FSMP (including any appended sports fish salvage plan under condition 20), as provided to Canterbury Regional Council.

RECREATIONAL RELEASES

24. Subject to condition 25, Genesis must, at the request of Whitewater New Zealand Incorporated and the Tekapo Whitewater Trust, provide up to 4820 cumec hours to the Upper Tekapo River (between Gate 16 and Lake George Scott) annually between 1 July and 30 June for in-river recreation including, without limitation, white water canoeing, kayaking, rafting, sledging, and boarding.

25. The Consent Holders obligation to provide any particular requested recreational release shall not apply when any of the following applies:

    (i) Mechanical or system failures;

    (ii) Maintenance, repairs or upgrades, of the Tekapo Power Scheme;

    (iii) Extreme weather or other natural hazard events;

    (iv) Compliance with statutory requirements (including health and safety) and with the conditions of the Tekapo Consents (such as maintaining lake levels);

    (vi) Operational demands within the electricity system such as requirements or restrictions on generation (including, but not limited to, Islanding as required by the National Grid operator); and

    (vii) Requirements to meet security of supply if the aggregate storage for New Zealand or the South Island is below the relevant trigger level specified in System Operator policy.

However, the Consent Holder shall use reasonable endeavours to supply water at a mutually agreed date within the relevant year.

ENVIRONMENTAL COMPENSATION

[Explanatory Note: *The environmental compensation conditions proposed for implementing the proposed Indigenous Biodiversity Programme ("**IBEP**") are presently under discussion with the Department of Conservation, Te Rūnanga o Arowhenua, Te Rūnanga o Moeraki, Te Rūnanga o Waihao and Meridian. The following conditions are those proposed with the 2023 application to the CRC and are indicative of the conditions Genesis will accept. However, they are subject to change given the discussion presently underway. The IBEP Strategic Plan referred to in the consent conditions and provided as a draft with the Fast-track Approvals Act application for the Tekapo PS has been prepared in accordance with the following conditions in consultation with the Department of Conservation, Te Rūnanga o Arowhenua, Te Rūnanga o Moeraki, Te Rūnanga o Waihao and Meridian.*

*An updated set of conditions will be provided to the Panel well prior to a decision being made on the applications.***]**

26. The consent holder must ensure an integrated Indigenous Biodiversity Enhancement Programme ("**IBEP**") is undertaken in conjunction with Meridian Energy Limited to improve the condition, resilience, indigenous biodiversity, ecological processes and other related values of the braided rivers and associated environment including the wetlands within the Waitaki Catchment.

27. The consent holder's contribution to the IBEP must have a minimum annual value of $287,500, CPI (all groups) adjusted from 1 July 2025.

28. The objective of the IBEP required by condition 26 is to improve the condition, resilience, biodiversity, ecological processes and other values of representative examples of the following features within the Waitaki Catchment:

    a) Lake margins and deltas;

    b) Wetlands and springs associated with lakes and braided rivers;

    c) Braided rivers (both aquatic, within the braid plain) and their margins; and

    d) Areas of connection between these features.

29. In achieving the objective in condition 28 the IBEP will:

a) Focus work primarily, but not exclusively, on those waterbodies directly affected by the Waitaki or Tekapo power schemes;

b) Consider the values, interests and aspirations as expressed by the Waitaki Rūnanga; and

c) Foster increased understanding of such areas and their biodiversity through research and development.

IMPLEMENTATION OF THE INDIGENOUS BIODIVERSITY ENHANCEMENT PROGRAMME

30. At all times there must be a strategic plan that sets out how conditions 26, 28 and 29 are to be achieved ("**Strategic Plan**") over a 10-year planning horizon ("**Strategic Plan Period**"). The initial Strategic Plan will cover intended actions to implement the IBEP over the first 10 year period of this consent and must be prepared and a copy supplied to the Canterbury Regional Council within 6 months of the commencement date of this consent.

31. The Strategic Plan must be reviewed and confirmed or replaced, and a copy provided to the Canterbury Regional Council not more than ten years following preparation of the initial Strategic Plan and not more than every ten years thereafter. All reviews of the Strategic Plan must be provided to the Canterbury Regional Council prior to the commencement of the period to which the Strategic Plan relates.

32. The Strategic Plan must:

a) Be prepared by a suitably qualified expert; and

b) Be prepared in consultation with Te Rūnanga o Arowhenua, Te Rūnanga o Moeraki, Te Rūnanga o Waihao and the Department of Conservation; and

c) Identify the priorities for achieving the objective of the IBEP over the Strategic Plan Period; and

d) Identify the key implementation milestones to be achieved over the Strategic Plan Period in accordance with the priorities; and

e) Identify the monitoring that will be used to demonstrate the achievement of the milestones that are set out in the Strategic Plan over the Strategic Plan Period; and

f) Identify the governance, management, and delivery arrangements for the IBEP over the Strategic Plan Period.

33. A report must be provided to the Canterbury Regional Council within six months of the completion of each Strategic Plan implementation period. The report must:

a) Be prepared by a suitably qualified expert; and

b) Identify whether the key milestones set out in the Strategic Plan were achieved; and

c) Identify whether the monitoring undertaken was appropriate for demonstrating whether the milestones in the Strategic Plan were achieved; and

d) Identify if any milestones were not achieved, and if so, the causes of non-achievement and any matters that should be revised in the next Strategic Plan.

34. The initial Strategic Plan must include (without limitation) a focus on the following:

a) Takapō Catchment:

i) Restoration of key representative sites on the river and immediate environs with associated weed and predator management;

ii) Wetland enhancement;

iii) Island creation;

iv) Wider river targeted weed and predator control; and

v) Restoration of two bay areas on Lake Takapō;

b) Pūkaki, Upper and Lower Ōhau River catchments: Representative sites with predator and weed management in lower river reaches focused on threatened species hotspots and areas of terrestrial braid plain; and

c) Lower Waitaki River Catchment: Restoration of braid plains and side streams, wetland enhancement, island creation, weed control and targeted predator control; and

d) Identification and prioritisation of research to address identified knowledge gaps.

35. To implement the Strategic Plan an Annual Plan must be developed and implemented. The Annual Plan is to:

a) Be prepared by a suitably qualified expert; and

b) Identify the specific actions and outputs that are to be the focus for the forthcoming year covered by the Plan, consistent with the strategic plan.

36. A copy of each Annual Plan must be provided to the Canterbury Regional Council prior to the implementation period for that Annual Plan.

37. A copy of each Strategic Plan (condition 32) and Annual Plan (condition 35) must be provided to Te Rūnanga o Arowhenua, Te Rūnanga o Moeraki, Te Rūnanga o Waihao, the Canterbury Regional Council and the Department of Conservation.

LAKESHORE EROSION MANAGEMENT PLAN

38. The consent holder must prepare and implement a Lakeshore Erosion Management Plan for Lake Takapō / Tekapo following consultation with Te Rūnanga o Arowhenua, Te Rūnanga o Moeraki, Te Rūnanga o Waihao. The purpose of the erosion management plan is to provide a methodology to identify, avoid and/or mitigate lakeshore hazards resulting from the operation of the Tekapo Power Scheme through monitoring and assessment of shore change.

In order to achieve the purpose set out above, the Lakeshore Erosion Management Plan must, as a minimum, address the following matters:

(a) The erosion monitoring locations along Lake Takapō / Tekapo including those areas identified in Figures 1 and 2 of the document "*Tekapo Power Scheme re-consenting: Lakeshore geomorphology and processes Existing environment and future effects*", 2022, prepared by Shore Processes and Management Ltd which show the projected effects on the physical lakeshore environment of the continued operation of the scheme under the existing operating regimen and

which may require consideration of management options within the next 35 years;

(b) The frequency of monitoring, including following significant storm events;

(c) The lake level record and an assessment of the potential effects on the lakeshore geomorphology since the last inspection;

(d) A method for assessment of the wave environment since the last inspection;

(e) A method for assessment of shore change; and

(f) A method for identification and quantification of the extent and magnitude of change.

(g) How effects attributable to the Tekapo Power Scheme will be determined; and

(h) A method for identification of and timeframe for implementation of remedial options that may be required, noting that the nature of any remedial options required will depend on the location and specific erosion effect identified.

Within six months of the commencement of this resource consent, the consent holder must submit the Lakeshore Erosion Management Plan to the Canterbury Regional Council attention: RMA Compliance and Enforcement Manager for certification that the matters in (a) to (h) have been addressed.

ANNUAL REPORTING

39. The consent holder must compile an Annual Report which covers the period of 1 July to 30 June for the activities authorised by this consent and forward that report to the Canterbury Regional Council attention: RMA Compliance and Enforcement Manager by 30 September of each year. As a minimum the report must:

(a) Summarise the data (including flow) collected (including flow) as required under the conditions of resource consents [*insert consent numbers*].

(b) Critically analyse the information collected in accordance with the conditions of resource consents [*insert consent numbers*], in terms of compliance and potential or actual adverse environmental effects.

(c) Compare data with previously collected and reported results and identify and comment on any emerging trends.

(d) Critically evaluate the performance of the procedures and physical mechanisms in place to minimise any adverse effects associated with the exercise of resource consents [*insert consent numbers*], identify any improvements undertaken and make recommendations on any additional improvements needed, with respect to procedures or mechanisms relating to the exercise of resource consents [*insert consent numbers*].

(e) Include the work actions undertaken and the outcomes achieved during the previous year under the Annual Plan prepared in accordance with condition 35, including:

i) If any actions and outcomes were not achieved, identifying the causes of non-achievement and

ii) If similar actions and outcomes are to be undertaken in future, identify what matters should be revised; and

iii) Identifying progress towards achievement of the Strategic Plan identified in condition 30.

(g) Comment on management of any high flow events during the year that involved implementation of the HFMP required under condition 5, including any matters where management of such events could be improved.

(i) Summarise any events where water is released for recreational purposes during the reporting year.

(j) Comment on the results of any monitoring undertaken in accordance with condition 38 and any actions required in response to that monitoring.

(k) Provide a summary of the maintenance undertaken during the reporting period.

MANAGEMENT PLANS

40. The consent holder must at all times operate and maintain the Tekapo Power Scheme in accordance with all management plans submitted to, and if required, certified by, the Canterbury Regional Council as part of the conditions of resource consents [*insert consent numbers*].

REVIEW

41. At any time, Canterbury Regional Council may, following service of notice on the consent holder, commence a review of the conditions of resource consents [insert

consent numbers] pursuant to section 128(1) of the Resource Management Act 1991 to review the effectiveness of the conditions in resource consents [*insert consent numbers*] in avoiding or mitigating any unanticipated more than minor adverse effects on water resources from the exercise of this consent and, if necessary, to avoid, remedy or mitigate such effects by way of further or amended conditions.

42. At any time during the years 2032, 2039, 2046 and 2053, Canterbury Regional Council may, following service of notice on the consent holder, commence a review of the conditions of resource consents [*insert consent numbers*] pursuant to section 128(1) of the Resource Management Act 1991 for the following purposes:

    (a) To review the adequacy of monitoring undertaken by the consent holder and, if necessary, to address any inadequacy by way of further or amended conditions; or

    (b) To review the appropriateness of any diversion, take rate and/or take volume specified within this consent to deal with any adverse effect on the environment which may arise from the exercise of resource consents [*insert consent numbers*]; or

    (c) To review the appropriateness of any discharge rate and/or volume specified within this consent to deal with any adverse effect on the environment which may arise from the exercise of resource consents [*insert consent numbers*]; or

    (d) To review the appropriateness of any conditions in Schedule One to give effect to the management plans required by Schedule One.

43. The Canterbury Regional Council may, following service of notice on the consent holder, commence a review of conditions 26 to 37 of this consent at any time within six months of the delivery to the Council of each strategic plan review report as required by condition 33. The review shall enable the consent authority to amend or add conditions to ensure that the IBEP remains effective and appropriate to achieve its objective over the duration of the consent.

Appendix 1: Water Quantities – Annual Volumes for Activities

Note: units = millions of m^3 per year.

		Town and Community water supplies	Industrial and commercial activities (outside municipal or town supply areas)	Tourism and recreational facilities	Agricultural and horticultural activities	Mahinga Kai	Any other activities	Hydroelectricity generation
i.	Upstream of Takapō / Lake Tekapo outlet	1.6	NIL	0.6	275[A], except that: a. no more than 8 can be taken upstream of Takapō / Lake Tekapo outlet. b. no more than 8 can be taken upstream of Lake Pūkaki outlet. c. no more than 12 can be taken upstream of Lake Ōhau outlet.		NIL	All other inflows
ii.	Upstream of Lake Pūkaki outlet	2.2	0.1	0.6			NIL	All other inflows
iii.	Upstream of Lake Ōhau outlet	1.6	NIL	0.6			NIL	All other inflows except the flows that must be provided into the Ōhau River pursuant to the environmental flow regime
iv.	Upstream of Waitaki Dam but not upstream of the outlets of the glacial lakes[B]	16	6.3	9.5			6.3	All other inflows
v.	Downstream of Waitaki Dam but upstream of Black Point	3	1	2	200	315	16	All other flows except the flows that must remain in the rivers, pursuant to the environmental flow regimes
vi.	Downstream of Waitaki dam but downstream of Black Point	19	8.5	4.3	1100		112 plus an allocation of 32 reserved for the augmentation of Wainono Lagoon.	

A. While the consents to operate the Waitaki power scheme remain in force, the Upper Catchment is already fully allocated to a holder of those consents and other existing consent holders.

B. For the purposes of Rule 6 of the Waitaki Catchment Water Allocation Regional Plan (2016), the annual volumes for taking, using or diverting water from the canals leading from the glacial lakes, and those from the Ahuriri catchment, are considered downstream of the lake outlets and are covered in row iv of this table.