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Greater Wellington Regional Council Resource Consent
WAR120034 [31326] & [31327]

Manawatu-Wanganui Regional Council Resource Consent
105949 & 105950

Consent type: Land use consent
Consent sub-type: Earthworks, quarrying, roading and tracking and vegetation removal
Consent holder: Genesis Power Limited
Level 3, The Genesis Building,
602 Great South Road,
Greenlane, Auckland

Activity authorised:
31326: Land Use Consent for land disturbance, roading and tracking, earthworks and vegetation clearance on erosion prone land.

31327: Land Use Consent to upgrade existing public roads (including associated land disturbance, earthworks and vegetation clearance).

105949: Land Use Consent for land disturbance, earthworks, and vegetation clearance, including a Hill Country Erosion Management Area

105950: Land Use Consent to upgrade existing public roads and construction of new roads, including associated land disturbance, earthworks and vegetation clearance.

Consent duration: 10 years from the date of commencement of works authorised by this consent

Conditions:

GENERAL CONDITIONS

1. With the exception of amendments required to comply with other conditions of this consent and any conditions of related resource consents granted by the Manawatu-Wanganui Regional Council, Wellington Regional Council, Tararua District Council and Masterton District Council, the proposed development shall proceed in general accordance with the information and plans provided with the Application Genesis Energy Castle Hill Wind Farm Resource Consent Applications and Assessment of Environmental Effects August 2011 (Volumes 1 to 4 inclusive) and further information received on 6 September 2011, 11 October 2011, 21 October 2011 and the information presented at the hearing.
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In the event that there is any inconsistency between the information referred to in this condition and any other consent conditions, the other consent conditions are to prevail.

Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to Section 127 of the Resource Management Act 1991.

2. For the purposes of section 125(1) of the Act, this consent shall lapse if not given effect to within 10 years after the date of commencement of this consent and shall expire 10 years after the date of construction commencing.

3. All activities authorised by this consent shall be undertaken in accordance with the relevant conditions in Schedule One.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Horizons Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

4. Pursuant to sections 128 to 131 of the Resource Management Act 1991, the relevant Council may one year after the commencement construction activities associated with this consent, and at one yearly intervals thereafter during the construction period, serve notice on the Consent Holder of its intention to review any or all of the conditions of this consent for any of the following purposes:

(a) To review the effectiveness of the conditions of this resource consent in avoiding, remedying, or mitigating, any adverse effect on the environment that may arise from the exercise of this resource consent (in particular the potential adverse environmental effects in relation to ecology, archaeology, vegetation removal or earthworks effects);

(b) To address any adverse effects on the environment which have arisen as a result of the exercise of this consent that were not anticipated at the time of granting this consent, including addressing any issues arising out of complaints;

(c) To review the adequacy of, and necessity for, any of the monitoring programmes or management plans that are part of the conditions of this consent; and

(d) To require the Consent Holder, if necessary and appropriate, to adopt the best practicable option(s) to avoid, remedy or mitigate any adverse effects on the surrounding environment.

5. The relevant Council shall be entitled to recover from the consent holder the reasonable costs of any review, calculated in accordance with and limited to the Council's scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.

6. The Consent Holder shall pay the relevant Council all reasonable costs and charges fixed by the Council pursuant to section 36 of the Act, in relation to any
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administration, monitoring and inspection relating to these consents, and charges authorized by regulations.

7. All project components shall be located in accordance with Table 1 in Schedule One.

8. Subject to all other conditions of this consent, the consent holder when undertaking works shall not exceed any of the maximum parameters identified in Table 2 of Schedule One.

Note: Reclamations, diversions and depositions associated with the demming and diversion of water and other in-stream works on land that is deemed to form part of the bed of any river or stream is authorised by resource consents 31330, 105952, 31328, 31329 and 105951.

Note: Nothing in this resource consent removes the need for the Consent Holder to apply for any approvals required under the Wildlife Act 1953. For the avoidance of doubt, these resource consents do not constitute lawful authority under the Wildlife Act.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Manawatu-Wanganui Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

Note: Where an ‘estimated’, ‘expected’ or ‘approximate’ amount is included in the information referred to in the application documentation, this will be the maximum amount authorised by consent.

PRE-CONSTRUCTION CONDITIONS

9. The consent holder shall arrange and conduct a pre-construction site meeting prior to commencing each stage of works and invite with a minimum of 10 working days notice the relevant Council, the contractor undertaking the works, site engineer and any other key personnel.

Note: In the case that any of the invited parties, other than the representative of the consent holder, does not attend this meeting, the consent holder will have complied with this condition, provided the invitation requirement is met.

10. The consent holder shall provide a copy of these conditions to any operator or contractor undertaking works authorised by this consent, prior to each stage of the works commencing, and ensure any operator and contractor understands and complies with the conditions of this consent.

11. The consent holder shall provide written notification to the relevant Council a minimum of five working days prior to the first operation of each stage of works or quarrying commencing.

Bat habitat

12. Immediately prior to construction, the Consent Holder shall commission a suitably experienced bat expert to undertake a survey of all potentially suitable bat roost vegetation (indigenous and exotic) that may be affected by the construction and operation of the Castle Hill Wind Farm. The survey method
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shall be detailed in the Avifauna and Bat Monitoring and Management Plan required by condition 65 of Schedule One.

If active roosts are found, the Consent Holder shall avoid removing/disturbing such roosts, and ensure that the construction activities minimise disturbance of the roost trees, until such time as the trees are vacated by the roosting bats.

The consent holder shall avoid all bat maternity roosts and minimise construction disturbance within 50m of those maternity roosts, until such time as the trees are vacated by the roosting bats.

A **Bat Roost Report** shall be submitted to the relevant Council for approval within 10 working days of completing the bat roost survey which details:

- the location of the surveyed area
- any bat roost trees and maternity roosts identified
- measures implemented to clearly identify and protect any bat roost trees and maternity roosts.

The consent holder shall not remove any tree until such time as the **Bat Roost Report** has been approved by the relevant Council.

**Falcon habitat**

13. Immediately prior to construction, the Consent Holder shall commission a suitably experienced falcon expert to undertake a survey of all potentially suitable New Zealand falcon nesting sites that may be affected by the construction and operation of the Castle Hill Wind Farm. The survey method shall be detailed in the Avifauna and Bat Monitoring and Management Plan required by condition 65 of Schedule One.

If falcon nesting sites are found, the Consent Holder shall ensure that construction activities avoid works within two hundred (200) metres of the nesting site until the nest is permanently vacated by the nesting falcon.

The consent holder shall undertake predator control, following best practice methods for New Zealand falcon, to protect the nest(s) until the nest is vacated by the nesting falcon.

A **Falcon Nesting Report** shall be submitted to the relevant Council for approval, within 10 working days of completing the falcon nesting survey which details:

- the location of the surveyed area
- any falcon nesting sites identified
- measures implemented to clearly identify and protect any falcon nesting sites
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The consent holder shall not remove any tree until such time as the Falcon Nesting Report has been approved by the relevant Council.

*Note: Refer to Schedule One for additional pre-construction conditions*

CONSTRUCTION CONDITIONS

Earthworks performance standards

14. The consent holder shall ensure that discharges from earthworks and soil disturbance associated with construction of the Castle Hill Wind Farm do not result in an exceedence of any consent compliance threshold limit included in the approved Construction Aquatic Monitoring Plan.

15. The consent holder shall ensure that sediment losses to natural water arising from the exercise of this resource consent are minimised as far as practicable during the duration of the works and during the term of this consent. In this regard, erosion and sediment control measures shall be established and maintained in accordance with the document titled "Erosion and Sediment Control – Guidelines for the Wellington Region, reprinted June 2006, and the certified Erosion and Sediment Control Plan.

16. The consent holder shall ensure that all sediment laden run-off from areas of earth disturbance (including quarries) is treated by sediment retention structures. These structures are to be fully operational before bulk earthworks commence.

17. The consent holder shall ensure those areas of the site where land disturbance has been completed shall be stabilised against erosion within 20 working days or as soon as practicably possible. Stabilisation shall be undertaken in accordance with the methods described in the relevant Erosion and Sediment Control Plan.

18. Revegetation and/or stabilisation of all disturbed areas is to be completed in accordance with the measures detailed in the document titled "Erosion and Sediment Control – Guidelines for the Wellington Region, reprinted June 2006 and the certified Erosion and Sediment Control Plan.

*Note: For the purpose of conditions of this consent 'stabilised' means inherently resistant to erosion or rendered resistant, such as by using indurated rock or by the application of basecourse, grassing, mulch, or another method agreed to by the relevant Council and in accordance with the most recent version of the Erosion and Sediment Control Guidelines in the Wellington Region. Where seeding or grassing is used on a surface that is not otherwise resistant to erosion, the surface is considered stabilised once, on reasonable visual inspection by the Regional Council, 80% vegetative ground cover has been established.*

Vegetation trimming for wind flows

19. The consent holder shall not undertake any indigenous vegetation trimming or removal for the purpose of maintaining wind flows to turbines except for a maximum clearance of 0.5ha of indigenous vegetation for turbines within the Turbine Corridor at the indicative turbine location 5-100-G216.
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Seasonal restrictions/ winter works

20. The consent holder shall ensure that the site is appropriately stabilised by 30 April of each year unless otherwise approved in writing by the relevant Council. Stabilisation shall be undertaken by providing adequate measures (vegetative and/or structural and including, pavement, metalling, hydro-seeding, re-vegetation and mulching) that will minimise erosion of exposed soil and to the satisfaction of the relevant Council.

21. Apart from necessary maintenance works, earthworks and vegetation clearance conducted during the period 30 April to 1 October inclusive during any year that this resource consent is current shall only be undertaken if written approval for those works is firstly obtained from the relevant Council.

22. Requests for written approval to undertake earthworks and vegetation clearance during the period 30 April to 1 October inclusive, during any year that this resource consent is current, shall be submitted in writing to the relevant councils by 1 April and shall include details of the erosion and sediment control measures proposed for any areas of proposed winter works and in the form of amendments to the approved ESCP in accordance with condition 34 of Schedule One. This request shall include, but not be limited to:

- The nature of the site and the winter soil disturbance and vegetation removal works proposed;
- The specific erosion and sediment control measures to be used during this period (to be updated in the ESCP);
- Seasonal/local soil and weather conditions;
- Sensitivity of the receiving environment;
- The methods to be used for stabilisation of disturbed areas during this period; and
- Works staging

Note: Refer to Schedule One for further construction conditions.

CONSTRUCTION MONITORING REQUIREMENTS

Trigger level exceedences

23. The consent holder shall notify the relevant Council of an exceedence of any "trigger level" identified in the certified the Construction Aquatic Management Plan required by condition 23 of Schedule One within 2 working days of receiving the results which show such an exceedence.

24. Within 5 working days of any exceedence of the nominated trigger level the consent holder shall provide a written report to the relevant Council, which includes as a minimum:

a) The levels of exceedence of each monitored parameter
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b) Monitoring results for the duration of the rainfall event until discharges ceased

c) Identification of the likely cause of the exceedence

d) Immediate actions taken to minimise further sediment discharges

e) An analysis of the results and what this indicates in regards to the effects that discharges are having on the aquatic ecosystems as assessed by a suitably qualified and experienced ecologist

f) Recommendations for future changes in the management or implementation of erosion and sediment control measures and/or site management and the timeframes for implementing these changes.

25. The consent holder shall implement appropriate measures to address the reasons for any such exceedence of a trigger level and to meet the conditions of this consent.

*Note: Refer to Schedule One for additional construction monitoring conditions*

**POST-CONSTRUCTION CONDITIONS**

26. The removal of any principal erosion and sediment control measure from any area where soil has been disturbed as a result of the exercise of this resource consent shall only occur after consultation and written approval has been obtained from the relevant Council acting in a technical certification capacity. In this respect, the main issues that will be considered by the relevant Council include:

a. The quality of the soil stabilisation and/or covering vegetation;

b. The quality of the water discharged from the rehabilitated land; and

c. The quality of the receiving water.

27. Except for the carriageways of access roads and tracks, the consent holder shall rehabilitate/revegetate areas of land disturbance, including quarry and concrete batching plant sites, following completion of works in each area, in accordance with the certified Rehabilitation and Revegetation Plan (RRP) required under condition 58 of Schedule One.

Application of grass seed shall occur progressively and within 20 working days of completion of works in an area unless otherwise approved by the relevant Council.

Tree planting shall be completed within 12 months of commencement of works in the relevant construction stage/works area unless otherwise certified in writing by the relevant Council. Trees planted shall be maintained/replaced in accordance with the RRP for a minimum duration of 5 years following commencement of construction.

*Note: Refer to Schedule One for additional post-construction conditions*
MITIGATION CONDITIONS

Environmental enhancement for indigenous vegetation loss and trimming

28. The consent holder shall protect from stock (cattle, sheep and goats) and legally protect in perpetuity the land and vegetation with a total area of not less than 500ha as shown in Figures CHWF 01 and CHWF 02 of Schedule Two. Details of the stock protection measures and legal protection measures shall be provided in the Habitat Management Plan(s) (HMPs) required under condition 30.

29. The consent holder shall undertake intensive weed/pest/predator/browser control, maintenance works and monitoring within each of the protected areas as detailed in the certified HMPs.

As a minimum, the consent holder shall undertake all practicable measures to meet the following control target levels for goats, possums and rats in the protected areas:

- Encounter rates for goats of one goat/200ha/observer or hunter day, or less, within 2 years commencement of vegetation removal, and one goat/500ha/observer or hunter day, or less, within 5 years of commencement of vegetation removal and maintained at that level for a minimum duration of 20 years from the commencement of vegetation removal.

- Less than 5% Residual Trap Catch for possums for a minimum duration of 20 years from the commencement of vegetation removal.

- Less than 5% Tracking Index for rats for a minimum duration of 20 years from the commencement of vegetation removal.

Note: Encounters during systematic searches by experienced observers and recording of goat sign is an acceptable method for monitoring goats.

30. The consent holder shall submit a Habitat Management Plan(s) (HMPs) to the relevant Council at least 40 working days prior to undertaking works authorised by this consent to address ongoing site-specific management in the areas to be protected over the areas shown in Figures CHWF 01 and CHWF 02 in Schedule Two.

The HMPs shall include, but not be limited to, the following:

- Plans clearly showing the locations, legal boundaries, geographic coordinates and ownership details of the protected areas

- The means by which these areas will be legally protected in perpetuity, timing for implementation of this, roles and responsibilities of all parties involved in the legal protection mechanism and communication protocols during the preparation and implementation of the mechanism
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- Details of existing/proposed stock proof fencing around the protected areas, including design, materials, timing for construction and maintenance of the fencing

- Details of the intensive weed/predator/pest/browser (including control of possums, cats, mustelids and rats as a minimum) control programme and reporting regime for the protected areas, including target control levels (taking into account other conditions of consent)

- The maintenance, monitoring and reporting programme for the protected areas

- Details of any enrichment planting proposed and maintenance and monitoring programme for this

The protected areas shall be managed by the consent holder in accordance with the certified HMPs.

31. The physical stock proofing and legal protection of the protected areas shall be completed within 12 months of commencing vegetation removal, unless otherwise agreed in writing by the relevant Council.

32. All protected areas shall be monitored and maintained as specified in the certified HMPs for a minimum duration of 20 years from the commencement of works unless a lesser duration is authorised in writing by the Council.

Animal and plant pest control requirements

33. The consent holder shall take practicable steps to prevent the introduction of new, or cause the increase or expansion of, animal or plant pests to the CHWF site or sites where works are proposed externally to the CHWF site boundary.

34. The consent holder shall undertake feral goat control over all of the properties within the CHWF site boundary to achieve the control target levels specified in the Animal and Plant Pest Control Plan (APPSP) required by condition 55 of Schedule One. Goat control over the wider CHWF site shall occur for a period of 5 years following the commencement of riparian planting and revegetation required by conditions of other consents or the establishment of the indigenous vegetation protection areas required by condition 28 above, whichever occurs first.

Note: The following control targets are required for the areas of indigenous vegetation (510 ha) to be subject to formal protection: encounter rates for goats of one goat/200ha/observer or hunter day, or less, within 2 years of commencement of vegetation removal, and one goat/500ha/oberserver or hunter day, within 5 years of commencement of vegetation removal). Goat control within the 500ha indigenous vegetation protection areas is required for a minimum duration of 20 years.

35. The consent holder shall submit to the relevant Council an annual report by 1 October each year which details the number of feral goats culled and the culling programme for the following year.
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Note: The maximum amount of indigenous vegetation habitat that can be removed is identified in Table 2 attached to this consent.

Note: When monitoring and controlling pest plants within the protected areas and the wider CHWF site the consent holder is advised to include pest plants of concern to the Manawatu-Wanganui Regional Council, Greater Wellington Regional Council, Masterton District Council and Tararua District Council, and those that are listed in the National Pest Plant Accord.

Note: Refer to Schedule One for additional mitigation conditions.
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Greater Wellington Regional Council Resource Consents 31328 & 31329 &

Manawatu-Wanganui Regional Council Consent 105951

Consent type: Land use
Consent sub-type: Reclamation and stream works
Consent holder: Genesis Power Limited

Genesis Power Limited
Level 3, The Genesis Building,
602 Great South Road,
Greenlane, Auckland

Activity authorised:
31328: Undertake works in, and associated excavation and disturbance of streambeds for the placement, construction, use and maintenance of structures in, on, under or over the streambed, (including bridges, culverts, cabling and structures).

31329: Undertake works in, and associated excavation and disturbance of streambeds for the placement, construction, use and maintenance of structures in, on, under or over the streambed in a manner that constitutes a permanent reclamation or occupation of the bed.

105951: Undertaking works in, and associated excavation, ad disturbance of streambeds, for the placement, construction, use and maintenance of structures, including cabling in, on, or over the streambed.

Consent duration: Unlimited, except that all works shall be constructed within 10 years from the date of commencement of works authorised by this consent

Conditions:

GENERAL CONDITIONS

1. With the exception of amendments required to comply with other conditions of this consent and any conditions of related resource consents granted by the Manawatu-Wanganui Regional Council, Wellington Regional Council, Tararua District Council and Masterton District Council, the proposed development shall proceed in general accordance with the information and plans provided with the Application Genesis Energy Castle Hill Wind Farm Resource Consent
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Applications and Assessment of Environmental Effects August 2011 (Volumes 1 to 4 inclusive) and further information received on 6 September 2011, 11 October 2011, 21 October 2011 and the information presented at the hearing.

In the event that there is any inconsistency between the information referred to in this condition and any other consent conditions, the other consent conditions are to prevail.

Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to Section 127 of the Resource Management Act 1991.

2. For the purposes of section 125(1) of the Act, this consent shall lapse if not given effect to within 10 years after the date of commencement of this consent and shall expire 10 years after the date of construction commencing.

3. All activities authorised by this consent shall be undertaken in accordance with the relevant conditions in Schedule One.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Horizons Regional Council, Greater Wellington Regional Council, Taranaki District Council and Masterton District Council.

4. Pursuant to sections 128 to 131 of the Resource Management Act 1991, the relevant Council may one year after the commencement of construction activities associated with this consent, and at one yearly intervals thereafter during the construction period, serve notice on the Consent Holder of its intention to review any or all of the conditions of this consent for any of the following purposes:

(a) To review the effectiveness of the conditions of this resource consent in avoiding, remediying, or mitigating, any adverse effect on the environment that may arise from the exercise of this resource consent (in particular the potential adverse environmental effects in relation to ecology, archaeology, vegetation removal or earthworks effects);

(b) To address any adverse effects on the environment which have arisen as a result of the exercise of this consent that were not anticipated at the time of granting this consent, including addressing any issues arising out of complaints;

(c) To review the adequacy of, and necessity for, any of the monitoring programmes or management plans that are part of the conditions of this consent; and

(d) To require the Consent Holder, if necessary and appropriate, to adopt the best practicable option(s) to avoid, remedy or mitigate any adverse effects on the surrounding environment.

5. The relevant Council shall be entitled to recover from the consent holder the reasonable costs of any review, calculated in accordance with and limited to the Councils' scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.
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6. The Consent Holder shall pay the relevant Council all reasonable costs and charges fixed by the Council pursuant to section 36 of the Act, in relation to any administration, monitoring and inspection relating to these consents, and charges authorized by regulations.

7. All project components shall be located in accordance with Table 1 in Schedule One.

8. Subject to all other conditions of this consent, the consent holder when undertaking works shall not exceed any of the maximum parameters identified in Table 2 in Schedule One.

*Note: Nothing in this resource consent removes the need for the Consent Holder to apply for any approvals required under the Wildlife Act 1953. For the avoidance of doubt, these resource consents do not constitute lawful authority under the Wildlife Act.*

*Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Manawatu-Wanganui Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.*

*Note: Where an ‘estimated’, ‘expected’ or ‘approximate’ amount is included in the information referred to in the application documentation, this will be the maximum amount authorised by consent.*

PRE-CONSTRUCTION CONDITIONS

9. The consent holder shall arrange and conduct a pre-construction site meeting prior to commencing each stage of works and invite with a minimum of 10 working days notice the relevant Council, the contractor undertaking the works, site engineer and any other key personnel.

*Note: In the case that any of the invited parties, other than the representative of the consent holder, does not attend this meeting, the consent holder will have complied with this condition, provided the invitation requirement is met.*

10. The consent holder shall provide a copy of these conditions to any operator or contractor undertaking works authorised by this consent, prior to each stage of the works commencing, and ensure any operator and contractor understands and complies with the conditions of this consent.

11. The consent holder shall provide written notification to the relevant Council a minimum of five working days prior to the first operation of each stage of works.

*Note: Refer to Schedule One for additional pre-construction conditions*

CONSTRUCTION CONDITIONS

River/stream crossing locations

12. No internal road/track river/stream crossing shall be located more than 100m upstream or downstream of the location illustrated in Figures A1 - A4 and the CHWF Project Maps A5 – H5 of Schedule Two.
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River/stream reclamation/diversion

13. The consent holder shall not reclaim any river/stream bed, or divert water from any river/stream, except for the maximum length(s) identified in Table 1 below:

<table>
<thead>
<tr>
<th>Table 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum length of river/stream reclamation and diversion</td>
</tr>
<tr>
<td>Internal Roads</td>
</tr>
<tr>
<td>1,131m</td>
</tr>
</tbody>
</table>

Note: For the purpose of the conditions of this consent, ‘river/stream’ has the same meaning as in the interpretation of “river” in the Resource Management Act 1991.

As-built certification

14. Within 20 working days of completing each structure/area of work/deposition in a river/stream as authorised by this consent, the consent holder shall provide to the relevant Council, a certificate signed by an appropriately qualified and experienced engineer to certify that the structure/work/deposition has been constructed in accordance with the conditions of this consent.

15. The consent holder shall provide as-built details of any of the structures/works/depositions authorised under these consents to the relevant Council on request.

Structure design

16. All replaced and new culverts and pipes shall be designed to convey the peak flow during a 20 year ARI event as a minimum.

17. All bridges shall be designed with sufficient freeboard to pass the peak flow from a 100 year ARI event as a minimum.

18. All secondary flow paths shall be designed to convey the peak flow from a 100 year ARI event based on the assumption that the primary piped system is not operating.

19. All structures authorised under this consent must be designed and placed in the stream bed so as to avoid erosion and scour of the stream bed and/or banks.

20. Except as provided for by these conditions, all structures and works authorised under this consent shall be constructed to avoid exacerbating flood levels that affect buildings or critical structures.
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Fish habitat

21. No in-stream works shall be undertaken in any river/stream in the catchments of the Whareama, Matakona or Owahanga Rivers between 1 August and 30 December (inclusive) to avoid upstream and downstream fish migration times, unless the written approval of the relevant Council is obtained first.

22. If any fish are stranded or removed from any river/stream due to the works, the consent holder shall ensure that these are immediately recovered and placed back in a flowing section of the river/stream where they will not be adversely affected during or following the works.

23. The consent holder shall ensure that fish passage for all native fish species is provided at all times through or past temporary and permanent structures/works areas/depositions identified in the Streamworks and Drainage Management Plan (SDMP) as needing fish passage.

Fish passage shall be provided for all species that spend, or could potentially spend, some part of their life-cycle in the river/stream or waterbody upstream of the structure/works area/deposition.

If fish passage is restricted below the subject structure/area of works/deposition, or is restricted in reaches upstream of the subject structure/area of works/deposition, due to existing man-made structures, fish passage shall still be provided through/past the structure/area of works/deposition unless otherwise approved by the relevant Council.

24. The consent holder shall engage a suitably qualified and experienced ecologist to inspect and certify that each new permanent structure/area of works/deposition required to provide for fish passage in accordance with the certified SDMP has been constructed and installed in a manner that will provide for the passage of fish species present or likely to be present. This confirmation shall be supplied to the relevant Council within 60 working days of the placement of the structure/deposition or completing that area of works in the river/stream.

25. Unless otherwise approved by the relevant Council, the consent holder shall engage an appropriately qualified ecologist to undertake the following:

a) an inspection of all structures/works/depositions in river/streams where fish passage is required one year after instalment; and

b) an inspection of all structures/works/depositions in river/streams where fish passage is required four years after instalment; and

c) if fish passage is found to be restricted during the inspection, inspections shall be repeated annually until the ecologist is satisfied that fish passage is being provided for.

The inspections shall be undertaken between 1 February and 30 March to ensure that fish passage is provided for. If low flow conditions during this time inhibit surveys being able to be undertaken, surveys must be undertaken as close to the defined period as possible.
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The inspections shall include the following:

a) a survey of freshwater fish in an appropriate area immediately upstream of the structures/works/depositions; and

b) a survey of freshwater fish in an appropriate area immediately downstream of the structures/works/depositions (for comparison with the upstream survey); and

c) a visual inspection to check the following:

- that bed substrate is being retained within the culverts, pipes and new stream channels or appropriate baffle or rock fixtures are in place;

- whether there are any signs of erosion or scour of the stream bed or banks around the structures/works/depositions;

- the condition of the structures/works/depositions;

- stream flow velocities are not increased in any areas within the structures/works/depositions or upstream/downstream of the structures/works/depositions that could be adverse to fish passage (e.g. baffles and rock protection are adequate and in good condition); and

- whether there is debris that could block the passage of fish or increase velocities.

26. The consent holder shall submit a report from a suitably qualified ecologist to the relevant Council within three months of undertaking the inspection required under Condition 25 of this consent. The report shall detail the following:

a) the results of the fish surveys, the methods used to survey the fish, the location of the surveys and the dates that they were undertaken;

b) the results of the visual inspections, for each of the points that are listed under condition 25 of this consent;

c) an assessment of effects on fish passage using the fish surveys and results of the visual inspections; and

d) measures/works that will be implemented to address any actual or potential effects on fish passage as a result of the inspections and when these will be implemented by.

The consent holder shall implement the measures/works required to address any actual or potential effects on fish passage within three months of submitting the report to the relevant Council.
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Construction activities

27. The consent holder shall ensure that the construction activities are separated from flowing water by diverting the full flow of the river/stream around the construction works area prior to the commencement of stream works unless otherwise authorised by the relevant Council.

28. The consent holder shall take all practicable steps to minimise sedimentation and increased turbidity in all rivers/streams during the works, including:
   a) Completing all works in the minimum time practicable;
   b) Minimising the area of disturbance at all times;
   c) Avoiding placement of construction material or excavated material in the wetted channel; and
   d) Separating construction activities from flowing water.

Temporary river/stream crossings

29. The consent holder shall ensure that any heavy vehicle/machinery crossings of rivers/streams shall be limited to that associated with the installation or subsequent use of permanent crossing structures.

30. The consent holder shall take all necessary preventative measures to minimise sedimentation and increased turbidity resulting from temporary crossing activities including, but not limited to the following:
   - Stabilising approaches for at least 10m to the wetted channel with clean aggregate of GAP 150 or less
   - Ensuring a stable foundation is maintain in the streambed at all times
   - Undertaking works during low flow conditions
   - Minimising time spent by vehicles/machinery in the wetted channel
   - Minimising the number and frequency of machine/truck crossings

Note: Details of temporary crossing activities must be provided in the Streamworks and Drainage Management Plan.

Maintenance

31. The works shall remain the responsibility of the consent holder for the duration of the consent and be maintained so that:
   a) any erosion, scour or instability of the river/stream bed or banks that is attributable to the works carried out as part of this consent is remedied by the consent holder;
   b) the structures remain substantially free of debris; and
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c) the structural integrity of the structures remains sound.

Note: Maintenance does not include any works outside of the scope of the application, nor does it mean increasing the size or area covered by a structure. Any additional works (including structures, reshaping or disturbance to the bed of the river/stream) following completion of the construction works as proposed in the application, may require further resource consents.

Mitigation for aquatic habitat loss

32. The consent holder shall construct permanent and stock proof fencing along both banks of at least 12 linear kilometres of stream (minimum of 24 kilometres of fencing).

Fencing shall achieve a minimum protected riparian margin of 5m on both sides of the stream bed unless a lesser width is otherwise authorised by the relevant Council.

Note: This condition is common to a number of difference resource consents associated with the Castle Hill Wind Farm. It specifies an overall requirement to be achieved across all such consents and hence is not to be applied separately to each individual consent.

33. The consent holder shall establish at least 12 hectares of indigenous riparian revegetation along riparian margins to achieve a minimum of 80% indigenous vegetation canopy closure within 10 years of commencement of construction. Riparian areas already dominated by mature/established indigenous vegetation or exotic woody vegetation shall not be included in calculating the 12 hectares of revegetation.

Note: This condition is common to a number of difference resource consents associated with the Castle Hill Wind Farm. It specifies an overall requirement to be achieved across all such consents and hence is not to be applied separately to each individual consent.

34. The consent holder shall ensure that all riparian revegetation areas are protected by stock proof fencing and are afforded ongoing legal protection. Details of the fencing and legal protection shall be provided in the Riparian Protection Plan.

35. The consent holder shall commence the riparian fencing and revegetation required by conditions 32 and 33 no less than 12 months prior to commencing works authorised by this consent. At least 50% of the required riparian fencing and revegetation works (i.e. at least 6km of stream protection and 6ha of revegetation) shall be completed by the consent holder within 3 years of commencement of works authorised by this consent and the remainder shall be completed within 6 years of commencing works authorised by this consent.

36. The consent holder shall implement, maintain and monitor all riparian fencing and revegetation in accordance with the certified Riparian Protection Plan required under condition 30 of Schedule One.
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37. The consent holder shall, to the extent practicable, control browser species within riparian fencing and revegetation areas in accordance with targets to be specified in the Riparian Protection Plan.

38. Plants for riparian planting shall be indigenous species, eco-sourced and shall include tree and shrub species that will provide food sources for indigenous forest birds and future roosting and feeding habitat for bats.

Note: For the purpose of this consent, ‘riparian revegetation’ means the establishment of mature/established indigenous vegetation along riparian margins through planting and/or the natural process of revegetation in fenced areas to achieve a minimum of 80% indigenous vegetation canopy closure within 10 years of commencement of construction. Riparian areas already dominated by indigenous or exotic woody vegetation shall not be included in the 12 hectares of revegetation.

Note: Riparian revegetation should be carried out to maximise the length of stream/river benefiting from the revegetation whilst achieving a self-sustaining width of vegetation.

Note: Riparian fencing and revegetation is to occur within the same catchments as the Castle Hill Wind Farm but not necessarily within the Castle Hill Wind Farm Site as this may achieved greater ecological benefits. Wherever possible, riparian revegetation should be undertaken to provide for strategic ecological connections and linkages. Details of the values of rivers/streams to be fenced/revegetated need to be provided in the RPP.

Note: As required by condition 33, only indigenous species which have been eco-sourced shall be used for riparian planting. Eco-sourcing refers to plants that have been sourced and propagated from those that grow naturally in the same ecological district.
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Greater Wellington Regional Council Resource Consent 31330

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Manawatu-Wanganui Regional Council Consent 105952

Consent type: Water Permit

Consent sub-type: Damming and Diverting

Consent holder: Genesis Power Limited

Genesis Power Limited
Level 3, The Genesis Building,
602 Great South Road,
Greenlane, Auckland

Activity authorised: 31330: Water Permit for the damming and diversion of water (including surface and ground water) during construction and operational activities.

105952: Water Permit for the damming and diversion of water (including surface and ground water) during construction and operational activities.

Consent duration: 10 years from the date of commencement of works authorised by this consent for the construction activities

35 years from the date of commencement of works authorised by this consent for the operational activities

Conditions:

GENERAL CONDITIONS

1. With the exception of amendments required to comply with other conditions of this consent and any conditions of related resource consents granted by the Manawatu-Wanganui Regional Council, Wellington Regional Council, Tararua District Council and Masterton District Council, the proposed development shall proceed in general accordance with the information and plans provided with the Application Genesis Energy Castle Hill Wind Farm Resource Consent Applications and Assessment of Environmental Effects August 2011 (Volumes 1 to 4 inclusive) and further information received on 6 September 2011, 11 October 2011, 21 October 2011 and the information presented at the hearing.

In the event that there is any inconsistency between the information referred to in this condition and any other consent conditions, the other consent conditions are to prevail.
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Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to Section 127 of the Resource Management Act 1991.

2. For the purposes of section 125(1) of the Act, this consent shall lapse if not given effect to within 10 years after the date of commencement of this consent and shall expire 10 years after the date of construction commencing.

3. All activities authorised by this consent shall be undertaken in accordance with the relevant conditions in Schedule One.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Horizons Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

4. Pursuant to sections 128 to 131 of the Resource Management Act 1991, the relevant Council may one year after the commencement of construction activities associated with this consent, and at one yearly intervals thereafter during the construction period, serve notice on the Consent Holder of its intention to review any or all of the conditions of this consent for any of the following purposes:

(a) To review the effectiveness of the conditions of this resource consent in avoiding, remedying, or mitigating, any adverse effect on the environment that may arise from the exercise of this resource consent (in particular the potential adverse environmental effects in relation to ecology, archaeology, vegetation removal or earthworks effects);

(b) To address any adverse effects on the environment which have arisen as a result of the exercise of this consent that were not anticipated at the time of granting this consent, including addressing any issues arising out of complaints;

(c) To review the adequacy of, and necessity for, any of the monitoring programmes or management plans that are part of the conditions of this consent; and

(d) To require the Consent Holder, if necessary and appropriate, to adopt the best practicable option(s) to avoid, remedy or mitigate any adverse effects on the surrounding environment.

5. The relevant Council shall be entitled to recover from the consent holder the reasonable costs of any review, calculated in accordance with and limited to the Councils' scale of charges in force and applicable at that time pursuant to section 35 of the Resource Management Act 1991.

6. The Consent Holder shall pay the relevant Council all reasonable costs and charges fixed by the Council pursuant to section 36 of the Act, in relation to any administration, monitoring and inspection relating to these consents, and charges authorized by regulations.

All project components shall be located in accordance with Table 1 in Schedule One.
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8. Subject to all other conditions of this consent, the consent holder when undertaking works shall not exceed any of the maximum parameters identified in Table 2 of Schedule One.

*Note: Nothing in this resource consent removes the need for the Consent Holder to apply for any approvals required under the Wildlife Act 1953. For the avoidance of doubt, these resource consents do not constitute lawful authority under the Wildlife Act.*

*Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Manawatu-Wanganui Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.*

*Note: Where an ‘estimated’, ‘expected’ or ‘approximate’ amount is included in the information referred to in the application documentation, this will be the maximum amount authorised by consent.*

**PRE-CONSTRUCTION CONDITIONS**

9. The consent holder shall arrange and conduct a pre-construction site meeting prior to commencing each stage of works and invite with a minimum of 10 working days notice the relevant Council, the contractor undertaking the works, site engineer and any other key personnel.

*Note: In the case that any of the invited parties, other than the representative of the consent holder, does not attend this meeting, the consent holder will have complied with this condition, provided the invitation requirement is met.*

10. The consent holder shall provide a copy of these conditions to any operator or contractor undertaking works authorised by this consent, prior to each stage of the works commencing, and ensure any operator and contractor understands and complies with the conditions of this consent.

11. The consent holder shall provide written notification to the relevant Council a minimum of five working days prior to the first operation of each stage of works.

*Note: Refer to Schedule One for additional pre-construction conditions*

**CONSTRUCTION CONDITIONS**

**River/stream crossing locations**

12. No internal road/track river/stream crossing shall be located more than 100m upstream or downstream of the location illustrated in Figures A1 - A4 and the CHWF Project Maps A5 – H5 of Schedule Two.

**River/stream reclamation/diversion**

13. The consent holder shall not reclaim any river/stream bed, or divert water from any river/stream, except for the maximum lengths identified in Table 1 below:
Table 1

<table>
<thead>
<tr>
<th>Maximum length of river/stream reclamation and diversion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal Roads</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>1,131m</td>
</tr>
</tbody>
</table>

*Note: For the purpose of the conditions of this consent, 'river/stream' has the same meaning as in the interpretation of "river" in the Resource Management Act 1991.*

As-built certification

14. Within 20 working days of completing each structure/area of work/deposition in a river/stream as authorised by this consent, the consent holder shall provide to the relevant Council, a certificate signed by an appropriately qualified and experienced engineer to certify that the structure/work/deposition has been constructed in accordance with the conditions of this consent.

15. The consent holder shall provide as-built details of any of the structures/works/depositions authorised under these consents to the relevant Council on request.

Structure design

16. All replaced and new culverts and pipes shall be designed to convey the peak flow during a 20 year ARI event as a minimum.

17. All bridges shall be designed with sufficient freeboard to pass the peak flow from a 100 year ARI event as a minimum.

18. All secondary flow paths shall be designed to convey the peak flow from a 100 year ARI event based on the assumption that the primary piped system is not operating.

19. All structures authorised under this consent must be designed and placed in the stream bed so as to avoid erosion and scour of the stream bed and/or banks.

20. Except as provided for by Conditions 16 – 19, all structures and works authorised under this consent shall be constructed to avoid exacerbating flood levels that affect buildings or critical structures.

Fish habitat

21. No in-stream works shall be undertaken in any river/stream in the catchments of the Whareama, Matakana or Owahanga Rivers between 1 August and 30 December (inclusive) to avoid upstream and downstream fish migration times, unless the written approval of the relevant Council is obtained first.
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22. If any fish are stranded or removed from any river/stream due to the works, the consent holder shall ensure that these are immediately recovered and placed back in a flowing section of the river/stream where they will not be adversely affected during or following the works.

23. The consent holder shall ensure that fish passage for all native fish species is provided at all times through or past temporary and permanent structures/works areas/depositions identified in the Streamworks and Drainage Management Plan (SDMP) as needing fish passage.

Fish passage shall be provided for all species that spend, or could potentially spend, some part of their life-cycle in the river/stream or waterbody upstream of the structure/works area/deposition.

If fish passage is restricted below the subject structure/area of works/deposition, or is restricted in reaches upstream of the subject structure/area of works/deposition, due to existing man-made structures, fish passage shall still be provided through/past the structure/area of works/deposition unless otherwise approved by the relevant Council.

24. The consent holder shall engage a suitably qualified and experienced ecologist to inspect and certify that each new permanent structure/area of works/deposition required to provide for fish passage in accordance with the certified SDMP has been constructed and installed in a manner that will provide for the passage of fish species present or likely to be present. This confirmation shall be supplied to the relevant Council within 60 working days of the placement of the structure/deposition or completing that area of works in the river/stream.

25. Unless otherwise approved by relevant Council, the consent holder shall engage an appropriately qualified ecologist to undertake the following:

a) an inspection of all structures/works/depositions in river/streams where fish passage is required one year after instalment; and

b) an inspection of all structures/works/depositions in river/streams where fish passage is required four years after instalment; and

c) if fish passage is found to be restricted during the inspection, inspections shall be repeated annually until the ecologist is satisfied that fish passage is being provided for.

The inspections shall be undertaken between 1 February and 30 March to ensure that fish passage is provided for. If low flow conditions during this time inhibit surveys being able to be undertaken, surveys must be undertaken as close to the defined period as possible.

The inspections shall include the following:

a) a survey of freshwater fish in an appropriate area immediately upstream of the structures/works/depositions; and
b) a survey of freshwater fish in an appropriate area immediately downstream of the structures/works/depositions (for comparison with the upstream survey); and

c) a visual inspection to check the following:
   - that bed substrate is being retained within the culverts, pipes and new stream channels or appropriate baffle or rock fixtures are in place;
   - whether there are any signs of erosion or scour of the stream bed or banks around the structures/works/depositions;
   - the condition of the structures/works/depositions;
   - stream flow velocities are not increased in any areas within the structures/works/depositions or upstream/downstream of the structures/works/depositions that could be adverse to fish passage (e.g. baffles and rock protection are adequate and in good condition); and
   - whether there is debris that could block the passage of fish or increase velocities.

26. The consent holder shall submit a report from a suitably qualified ecologist to the Regional Councils within three months of undertaking the inspection required under Condition 25 of this consent. The report shall detail the following:

   a) the results of the fish surveys, the methods used to survey the fish, the location of the surveys and the dates that they were undertaken;

   b) the results of the visual inspections, for each of the points that are listed under condition 25 of this consent;

   c) an assessment of effects on fish passage using the fish surveys and results of the visual inspections; and

   d) measures/works that will be implemented to address any actual or potential effects on fish passage as a result of the inspections and when these will be implemented by.

The consent holder shall implement the measures/works required to address any actual or potential effects on fish passage within three months of submitting the report to the relevant Council.

Construction activities

27. The consent holder shall ensure that the construction activities are separated from flowing water by diverting the full flow of the river/stream around the construction works area prior to the commencement of stream works unless otherwise authorised by the relevant Council.
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28. The consent holder shall take all practicable steps to minimise sedimentation and increased turbidity in all rivers/streams during the works, including:
   a) Completing all works in the minimum time practicable;
   b) Minimising the area of disturbance at all times;
   c) Avoiding placement of construction material or excavated material in the wetted channel; and
   d) Separating construction activities from flowing water.

Temporary river/stream crossings

29. The consent holder shall ensure that any heavy vehicle/machinery crossings of rivers/streams shall be limited to that associated with the installation or subsequent use of permanent crossing structures.

30. The consent holder shall take all necessary preventative measures to minimise sedimentation and increased turbidity resulting from temporary crossing activities including, but not limited to the following:
   - Stabilising approaches for at least 10m to the wetted channel with clean aggregate of GAP 150 or less
   - Ensuring a stable foundation is maintain in the streambed at all times
   - Undertaking works during low flow conditions
   - Minimising time spent by vehicles/machinery in the wetted channel
   - Minimising the number and frequency of machine/truck crossings

Note: Details of temporary crossing activities must be provided in the Streamworks and Drainage Management Plan.

Maintenance

31. The works shall remain the responsibility of the consent holder for the duration of the consent and be maintained so that:
   a) any erosion, scour or instability of the river/stream bed or banks that is attributable to the works carried out as part of this consent is remedied by the consent holder;
   b) the structures remain substantially free of debris; and
   c) the structural integrity of the structures remains sound.

Note: Maintenance does not include any works outside of the scope of the application, nor does it mean increasing the size or area covered by a structure. Any additional works (including structures, reshaping or disturbance to the bed...
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of the river/stream) following completion of the construction works as proposed in the application, may require further resource consents.

Mitigation for aquatic habitat loss

32. The consent holder shall construct permanent and stock proof fencing along both banks of at least 12 lineal kilometres of stream (minimum of 24 kilometres of fencing).

Fencing shall achieve a minimum protected riparian margin of 5m on both sides of the stream bed unless a lesser width is otherwise approved by the [relevant Council].

Note: This condition is common to a number of difference resource consents associated with the Castle Hill Wind Farm. It specifies an overall requirement to be achieved across all such consents and hence is not to be applied separately to each individual consent.

33. The consent holder shall establish at least 12 hectares of indigenous riparian revegetation along riparian margins to achieve a minimum of 80% indigenous vegetation canopy closure within 10 years of commencement of construction. Riparian areas already dominated by mature/established indigenous vegetation or exotic woody vegetation shall not be included in calculating the 12 hectares of revegetation.

Note: This condition is common to a number of difference resource consents associated with the Castle Hill Wind Farm. It specifies an overall requirement to be achieved across all such consents and hence is not to be applied separately to each individual consent.

34. The consent holder shall ensure that all riparian revegetation areas are protected by stock proof fencing and are afforded ongoing legal protection. Details of the fencing and legal protection shall be provided in the Riparian Protection Plan.

35. The consent holder shall commence the riparian fencing and revegetation required by conditions 32 and 33 no less than 12 months prior to commencing works authorised by this consent. At least 50% of the required riparian fencing and revegetation works (i.e. at least 6km of stream protection and 6ha of revegetation) shall be completed by the consent holder within 3 years of commencement of works authorised by this consent and the remainder shall be completed within 6 years of commencing works authorised by this consent.

36. The consent holder shall implement, maintain and monitor all riparian fencing and revegetation in accordance with the certified Riparian Protection Plan required under condition 30 of Schedule One.

37. The consent holder shall, to the extent practicable, control browser species within riparian fencing and revegetation areas in accordance with targets to be specified in the Riparian Protection Plan.

38. Plants for riparian planting shall be indigenous species, eco-sourced and shall include tree and shrub species that will provide food sources for indigenous forest birds and future roosting and feeding habitat for bats.
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Note: For the purpose of this consent, 'riparian revegetation' means the establishment of indigenous vegetation along riparian margins through planting and/or the natural process of revegetation in fenced areas to achieve a minimum of 80% indigenous vegetation canopy closure within 10 years of commencement of construction. Riparian areas already dominated by mature/established indigenous or exotic woody vegetation shall not be included in the 12 hectares of revegetation.

Note: Riparian revegetation should be carried out to maximise the length of stream/river benefiting from the revegetation whilst achieving a self-sustaining width of vegetation.

Note: Riparian fencing and revegetation is to occur within the same catchments as the Castle Hill Wind Farm but not necessarily within the Castle Hill Wind Farm Site as this may achieved greater ecological benefits. Wherever possible, riparian revegetation should be undertaken to provide for strategic ecological connections and linkages. Details of the values of rivers/streams to be fenced/revegetated need to be provided in the RPP.
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Greater Wellington Regional Council Resource Consents 31332

Manawatu-Wanganui Regional Council Consent 105955 and 105956

Consent type: Discharge Permit
Consent sub-type: Land & Water
Consent holder: Genesis Power Limited

Genesis Power Limited
Level 3, The Genesis Building,
602 Great South Road,
Greenlane, Auckland

Activity authorised:
31332: Discharge of stormwater that may contain contaminants too land and surface water during construction and operation of infrastructure and facilities, associated with the CHWF consent activities.

105955: Discharge stormwater that may contain contaminants to land during the construction and operation of infrastructure and facilities.

105956: Discharge stormwater that may contain contaminants to surface water during the construction and operation of infrastructure and facilities.

Consent duration:
10 years for permits 31332, 105955 and 105956 from the date of commencement of works authorised by this consent for the construction of infrastructure and facilities

35 years for permits 105955 and 105956 from the date of commencement of works authorised by this consent for the operation of infrastructure and facilities

Conditions:

GENERAL CONDITIONS

1. With the exception of amendments required to comply with other conditions of this consent and any conditions of related resource consents granted by the Manawatu-Wanganui Regional Council, Wellington Regional Council, Tararua District Council and Masterton District Council, the proposed development shall proceed in general accordance with the information and plans provided with the Application Genesis Energy Castle Hill Wind Farm Resource Consent Applications and Assessment of Environmental Effects August 2011 (Volumes 1 to 4 inclusive) and further information received on 6 September 2011, 11 October 2011, 21 October 2011 and the information presented at the hearing.
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In the event that there is any inconsistency between the information referred to in this condition and any other consent conditions, the other consent conditions are to prevail.

Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to Section 127 of the Resource Management Act 1991.

2. For the purposes of section 125(1) of the Act, this consent shall lapse if not given effect to within 10 years after the date of commencement of this consent and shall expire 10 years after the date of construction commencing.

3. All activities authorised by this consent shall be undertaken in accordance with the relevant conditions in Schedule One.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Horizons Regional Council, Greater Wellington Regional Council, Taranaki District Council and Masterton District Council.

4. Pursuant to sections 128 to 131 of the Resource Management Act 1991, the relevant Council may one year after the commencement of construction activities associated with this consent, and at one yearly intervals thereafter during the construction period, serve notice on the Consent Holder of its intention to review any or all of the conditions of this consent for any of the following purposes:

(a) To review the effectiveness of the conditions of this resource consent in avoiding, remedying, or mitigating, any adverse effect on the environment that may arise from the exercise of this resource consent (in particular the potential adverse environmental effects in relation to ecology, archaeology, vegetation removal or earthworks effects);

(b) To address any adverse effects on the environment which have arisen as a result of the exercise of this consent that were not anticipated at the time of granting this consent, including addressing any issues arising out of complaints;

(c) To review the adequacy of, and necessity for, any of the monitoring programmes or management plans that are part of the conditions of this consent; and

(d) To require the Consent Holder, if necessary and appropriate, to adopt the best practicable option(s) to avoid, remedy or mitigate any adverse effects on the surrounding environment.

5. The relevant Council shall be entitled to recover from the consent holder the reasonable costs of any review, calculated in accordance with and limited to the Councils’ scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.

6. The Consent Holder shall pay the relevant Council all reasonable costs and charges fixed by the Council pursuant to section 36 of the Act, in relation to any
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administration, monitoring and inspection relating to these consents, and charges authorized by regulations.

7. All project components shall be located in accordance with Table 1 in Schedule One.

8. Subject to all other conditions of this consent, the consent holder when undertaking works shall not exceed any of the maximum parameters identified in Table 2 of Schedule One.

Note: Nothing in this resource consent removes the need for the Consent Holder to apply for any approvals required under the Wildlife Act 1953. For the avoidance of doubt, these resource consents do not constitute lawful authority under the Wildlife Act.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Manawatu-Wanganui Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

Note: Where an 'estimated', 'expected' or 'approximate' amount is included in the information referred to in the application documentation, this will be the maximum amount authorised by consent.

PRE-CONSTRUCTION CONDITIONS

9. The consent holder shall arrange and conduct a pre-construction site meeting prior to commencing each stage of works and invite with a minimum of 10 working days notice the relevant Council, the contractor undertaking the works, site engineer and any other key personnel.

Note: In the case that any of the invited parties, other than the representative of the consent holder, does not attend this meeting, the consent holder will have complied with this condition, provided the invitation requirement is met.

10. The consent holder shall provide a copy of these conditions to any operator or contractor undertaking works authorised by this consent, prior to each stage of the works commencing, and ensure any operator and contractor understands and complies with the conditions of this consent.

11. The consent holder shall provide written notification to the relevant Council a minimum of five working days prior to the first operation of each stage of works.

Note: Refer to Schedule One for additional pre-construction conditions

CONSTRUCTION CONDITIONS

Construction Staging

Earthworks performance standards

12. The consent holder shall ensure that discharges from earthworks and soil disturbance associated with construction of the Castle Hill Wind Farm do not
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result in an exceedence of any consent compliance threshold limit included in the approved Construction Aquatic Monitoring Plan.

13. The consent holder shall ensure that sediment losses to natural water arising from the exercise of this resource consent are minimised as far as practicable during the duration of the works and during the term of this consent. In this regard, erosion and sediment control measures shall be established and maintained in accordance with the document titled “Erosion and Sediment Control – Guidelines for the Wellington Region, reprinted June 2006, and the certified Erosion and Sediment Control Plan.

14. The consent holder shall ensure that all sediment laden run-off from areas of earth disturbance (including quarries) is treated by sediment retention structures. These structures are to be fully operational before bulk earthworks commence.

15. The consent holder shall ensure those areas of the site where land disturbance has been completed shall be stabilised against erosion within 20 working days or as soon as practically possible. Stabilisation shall be undertaken in accordance with the methods described in the relevant Erosion and Sediment Control Plan.

16. Revegetation and/or stabilisation of all disturbed areas is to be completed in accordance with the measures detailed in the document titled “Erosion and Sediment Control – Guidelines for the Wellington Region, reprinted June 2006 and the certified Erosion and Sediment Control Plan.

Note: For the purpose of conditions of this consent 'stabilised' means inherently resistant to erosion or rendered resistant, such as by using indurated rock or by the application of basecourse, grassing, mulch, or another method agreed to by the relevant Council and in accordance with the most recent version of the Erosion and Sediment Control Guidelines in the Wellington Region. Where seeding or grassing is used on a surface that is not otherwise resistant to erosion, the surface is considered stabilised once, on reasonable visual inspection by the Regional Council, 80% vegetative ground cover has been established.

Seasonal restrictions/ winter works

17. The consent holder shall ensure that the site is appropriately stabilised by 30 April of each year unless otherwise approved in writing by the relevant Council. Stabilisation shall be undertaken by providing adequate measures (vegetative and/or structural and including, pavement, metalling, hydro-seeding, re-vegetation and mulching) that will minimise erosion of exposed soil to the extent practical and to the satisfaction of the relevant Council.

18. Apart from necessary maintenance works, earthworks and vegetation clearance conducted during the period 30 April to 1 October inclusive during any year that this resource consent is current shall only be undertaken if written approval for those works is firstly obtained from the relevant Council.

19. Requests for written approval to undertake earthworks and vegetation clearance during the period 30 April to 1 October inclusive, during any year that this resource consent is current, shall be submitted in writing to the relevant
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councils by 1 April and shall include details of the erosion and sediment control measures proposed for any areas of proposed winter works and shall be in the form of amendments to the approved ESCP in accordance with condition 34 of Schedule One. This request shall include, but not be limited to:

- The nature of the site and the winter soil disturbance and vegetation removal works proposed;
- The specific erosion and sediment control measures to be used during this period (to be updated in the ESCP);
- Seasonal/local soil and weather conditions;
- Sensitivity of the receiving environment;
- The methods to be used for stabilisation of disturbed areas during this period; and
- Works staging

*Note: Refer to Schedule One for further construction conditions*

CONSTRUCTION MONITORING REQUIREMENTS

Trigger level exceedences

20. The consent holder shall notify the relevant Council of an exceedence of any "trigger level" identified in the certified the Construction Aquatic Management Plan required by condition 23 of Schedule One within 2 working days of receiving the results which show such an exceedence.

21. Within 5 working days of any exceedence of the nominated trigger level the consent holder shall provide a written report to the relevant Council, which includes as a minimum:

   a) The levels of exceedence of each monitored parameter

   b) Monitoring results for the duration of the rainfall event until discharges ceased

   c) Identification of the likely cause of the exceedence

   d) Immediate actions taken to minimise further sediment discharges

   e) An analysis of the results and what this indicates in regards to the effects that discharges are having on the aquatic ecosystems as assessed by a suitably qualified and experienced ecologist

   f) Recommendations for future changes in the management or implementation of erosion and sediment control measures and/or site management and the timeframes for implementing these changes.
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22. The consent holder shall implement appropriate measures to address the reasons for any such exceedence of a trigger level and to meet the conditions of this consent.

Note: Refer to Schedule One for additional construction monitoring conditions

POST-CONSTRUCTION CONDITIONS

23. The removal of any principal erosion and sediment control measure from any area where soil has been disturbed as a result of the exercise of this resource consent shall only occur after consultation and written approval has been obtained from the relevant Council. In this respect, the main issues that will be considered by the relevant Council include:

a. The quality of the soil stabilisation and/or covering vegetation;
b. The quality of the water discharged from the rehabilitated land; and
c. The quality of the receiving water.

24. Except for the carriageways of access roads and tracks, the consent holder shall rehabilitate/revegetate areas of land disturbance, including quarry and concrete batching plant sites, following completion of works in each area, in accordance with the certified Rehabilitation and Revegetation Plan (RRP) required under condition 58 of Schedule One.

Application of grass seed shall occur progressively and within 20 working days of completion of works in an area unless otherwise approved by the relevant Council.

Tree planting shall be completed within 12 months of commencement of works in the relevant construction stage/works area unless otherwise certified in writing by the relevant Council. Trees planted shall be maintained/replaced in accordance with the RRP for a minimum duration of 5 years following commencement of construction.

Note: Refer to Schedule One for additional post-construction conditions.
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Greater Wellington Regional Council Resource Consent 31333

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Manawatu-Wanganui Regional Council Consent 105958

Consent type: Discharge Permit
Consent sub-type: Discharge to land
Consent holder: Genesis Power Limited
Level 3, The Genesis Building,
602 Great South Road,
Greenlane, Auckland
Activity authorised: 31333: The discharge of excess fill to land, within the CHWF site.
105958: To dispose of excess fill to land, within the CHWF site.
Consent duration: 10 years from the date of commencement of works authorized by this consent

Conditions:

GENERAL CONDITIONS

1. With the exception of amendments required to comply with other conditions of this consent and any conditions of related resource consents granted by the Manawatu-Wanganui Regional Council, Wellington Regional Council, Tararua District Council and Masterton District Council, the proposed development shall proceed in general accordance with the information and plans provided with the Application Genesis Energy Castle Hill Wind Farm Resource Consent Applications and Assessment of Environmental Effects August 2011 (Volumes 1 to 4 inclusive) and further information received on 6 September 2011, 11 October 2011, 21 October 2011 and the information presented at the hearing.

In the event that there is any inconsistency between the information referred to in this condition and any other consent conditions, the other consent conditions are to prevail.

Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to Section 127 of the Resource Management Act 1991.

2. For the purposes of section 125(1) of the Act, this consent shall lapse if not given effect to within 10 years after the date of commencement of this consent and shall expire 10 years after the date of construction commencing.
3. All activities authorised by this consent shall be undertaken in accordance with the relevant conditions in Schedule One.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Horizons Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

4. Pursuant to sections 128 to 131 of the Resource Management Act 1991, the relevant Council may one year after the commencement of construction activities associated with this consent, and at one yearly intervals thereafter during the construction period, serve notice on the Consent Holder of its intention to review any or all of the conditions of this consent for any of the following purposes:

(a) To review the effectiveness of the conditions of this resource consent in avoiding, remedying, or mitigating, any adverse effect on the environment that may arise from the exercise of this resource consent (in particular the potential adverse environmental effects in relation to ecology, archaeology, vegetation removal or earthworks effects);

(b) To address any adverse effects on the environment which have arisen as a result of the exercise of this consent that were not anticipated at the time of granting this consent, including addressing any issues arising out of complaints;

(c) To review the adequacy of, and necessity for, any of the monitoring programmes or management plans that are part of the conditions of this consent; and

(d) To require the Consent Holder, if necessary and appropriate, to adopt the best practicable option(s) to avoid, remedy or mitigate any adverse effects on the surrounding environment.

5. The relevant Council shall be entitled to recover from the consent holder the reasonable costs of any review, calculated in accordance with and limited to the Councils’ scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.

6. The Consent Holder shall pay the relevant Council all reasonable costs and charges fixed by the Council pursuant to section 36 of the Act, in relation to any administration, monitoring and inspection relating to these consents, and charges authorized by regulations.

7. All project components shall be located in accordance with Table 1 in Schedule One.

8. Subject to all other conditions of this consent, the consent holder when undertaking works shall not exceed any of the maximum parameters identified in Table 2 of Schedule One.

Note: Reclamations, diversions and depositions associated with the damming and diversion of water and other in-stream works on land that is deemed to form
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part of the bed of any river or stream is authorised by resource consents 31330, 105952, 31328, 31329 and 105951.

Note: Nothing in this resource consent removes the need for the Consent Holder to apply for any approvals required under the Wildlife Act 1953. For the avoidance of doubt, these resource consents do not constitute lawful authority under the Wildlife Act.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Manawatu-Wanganui Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

Note: Where an 'estimated', 'expected' or 'approximate' amount is included in the information referred to in the application documentation, this will be the maximum amount authorised by consent.

PRE-CONSTRUCTION CONDITIONS

9. The consent holder shall arrange and conduct a pre-construction site meeting prior to commencing each stage of works and invite with a minimum of 10 working days notice the relevant Council, the contractor undertaking the works, site engineer and any other key personnel.

Note: In the case that any of the invited parties, other than the representative of the consent holder, does not attend this meeting, the consent holder will have complied with this condition, provided the invitation requirement is met.

10. The consent holder shall provide a copy of these conditions to any operator or contractor undertaking works authorised by this consent, prior to each stage of the works commencing, and ensure any operator and contractor understands and complies with the conditions of this consent.

11. The consent holder shall provide written notification to the relevant Council a minimum of five working days prior to the first operation of each stage of works.

Note: Refer to Schedule One for additional pre-construction conditions

CONSTRUCTION CONDITIONS

Earthworks performance standards

12. The consent holder shall ensure that discharges from earthworks and soil disturbance associated with construction of the Castle Hill Wind Farm do not result in an exceedence of any consent compliance threshold limit included in the approved Construction Aquatic Monitoring Plan.

13. The consent holder shall ensure that sediment losses to natural water arising from the exercise of this resource consent are minimised as far as practicable during the duration of the works and during the term of this consent. In this regard, erosion and sediment control measures shall be established and maintained in accordance with the document titled "Erosion and Sediment Control — Guidelines for the Wellington Region, reprinted June 2006, and the certified Erosion and Sediment Control Plan."
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14. The consent holder shall ensure that all sediment laden run-off from areas of earth disturbance (including quarries) is treated by sediment retention structures. These structures are to be fully operational before bulk earthworks commence.

15. The consent holder shall ensure those areas of the site where land disturbance has been completed shall be stabilised against erosion within 20 working days or as soon as practically possible. Stabilisation shall be undertaken in accordance with the methods described in the relevant Erosion and Sediment Control Plan.

16. Revegetation and/or stabilisation of all disturbed areas is to be completed in accordance with the measures detailed in the document titled “Erosion and Sediment Control – Guidelines for the Wellington Region, reprinted June 2006 and the certified Erosion and Sediment Control Plan.

Note: For the purpose of conditions of this consent 'stabilised' means inherently resistant to erosion or rendered resistant, such as by using indurated rock or by the application of basecourse, grassing, mulch, or another method agreed to by the relevant Council and in accordance with the most recent version of the Erosion and Sediment Control Guidelines in the Wellington Region. Where seeding or grassing is used on a surface that is not otherwise resistant to erosion, the surface is considered stabilised once, on reasonable visual inspection by the Regional Council, 80% vegetative ground cover has been established.

Seasonal restrictions/ winter works

17. The consent holder shall ensure that the site is appropriately stabilised by 30 April of each year unless otherwise approved in writing by the relevant Council. Stabilisation shall be undertaken by providing adequate measures (vegetative and/or structural and including, pavement, metalling, hydro-seeding, re-vegetation and mulching) that will minimise erosion of exposed soil and to the satisfaction of the relevant Council.

18. Apart from necessary maintenance works, earthworks and vegetation clearance conducted during the period 30 April to 1 October inclusive during any year that this resource consent is current shall only be undertaken if written approval for those works is firstly obtained from the relevant Council.

19. Requests for written approval to undertake earthworks and vegetation clearance during the period 30 April to 1 October inclusive, during any year that this resource consent is current, shall be submitted in writing to the relevant councils by 1 April and shall include details of the erosion and sediment control measures proposed for any areas of proposed winter works and shall be in the form of amendments to the approved ESCP in accordance with condition 34 of Schedule One. This request shall include, but not be limited to:

- The nature of the site and the winter soil disturbance and vegetation removal works proposed;
- The specific erosion and sediment control measures to be used during this period (to be updated in the ESCP);
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- Seasonal/local soil and weather conditions;
- Sensitivity of the receiving environment;
- The methods to be used for stabilisation of disturbed areas during this period; and
- Works staging.

*Note: Refer to Schedule One for further construction conditions*

CONSTRUCTION MONITORING REQUIREMENTS

Trigger level exceedences

20. The consent holder shall notify the relevant Council of an exceedence of any "trigger level" identified in the certified the Construction Aquatic Management Plan required Condition 23 of Schedule One within 2 working days of receiving the results which show such an exceedence.

21. Within 5 working days of any exceedence of the nominated trigger level the consent holder shall provide a written report to the relevant Council, which includes as a minimum:

a) The levels of exceedence of each monitored parameter

b) Monitoring results for the duration of the rainfall event until discharges ceased

c) Identification of the likely cause of the exceedence

d) Immediate actions taken to minimise further sediment discharges

e) An analysis of the results and what this indicates in regards to the effects that discharges are having on the aquatic ecosystems as assessed by a suitably qualified and experienced ecologist

f) Recommendations for future changes in the management or implementation of erosion and sediment control measures and/or site management and the timeframes for implementing these changes.

22. The consent holder shall implement appropriate measures to address the reasons for any such exceedence of a trigger level and to meet the conditions of this consent.

*Note: Refer to Schedule One for additional construction monitoring conditions*

POST- CONSTRUCTION CONDITIONS

23. The removal of any principal erosion and sediment control measure from any area where soil has been disturbed as a result of the exercise of this resource
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Consent shall only occur after consultation and written approval has been obtained from the relevant Council. In this respect, the main issues that will be considered by the relevant Council include:

a. The quality of the soil stabilisation and/or covering vegetation;
b. The quality of the water discharged from the rehabilitated land; and
c. The quality of the receiving water.

24. Except for the carriageways of access roads and tracks, the consent holder shall rehabilitate/revegetate areas of land disturbance, including quarry and concrete batching plant sites, following completion of works in each area in accordance with the certified Rehabilitation and Revegetation Plan (RRP) required under condition 58 of Schedule One.

Application of grass seed shall occur progressively and within 20 working days of completion of works in an area unless otherwise approved by the relevant Council.

Tree planting shall be completed within 12 months of commencement of works in the relevant construction stage/works area unless otherwise certified in writing by the relevant Council. Trees planted shall be maintained/replaced in accordance with the RRP for a minimum duration of 5 years following commencement of construction.

Note: Refer to Schedule One for additional post-construction conditions.
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Greater Wellington Regional Council 31334

&

Manawatu-Wanganui Regional Council Consent 105959

Consent type: Discharge Permit

Consent sub-type: Air

Consent holder: Genesis Power Limited
Level 3, The Genesis Building,
602 Great South Road,
Greenlane, Auckland

Activity authorised: 31334: Discharge contaminants to air associated with the operation of concrete batching plants and mobile aggregate crushing plants

105959: Discharge contaminants to air associated with the operation of concrete batching plants and mobile aggregate crushing plants

Consent duration: 10 years from the date of commencement of works authorised by this consent

Conditions:

GENERAL CONDITIONS

1. With the exception of amendments required to comply with other conditions of this consent and any conditions of related resource consents granted by the Manawatu-Wanganui Regional Council, Wellington Regional Council, Tararua District Council and Masterton District Council, the proposed development shall proceed in general accordance with the information and plans provided with the Application Genesis Energy Castle Hill Wind Farm Resource Consent Applications and Assessment of Environmental Effects August 2011 (Volumes 1 to 4 inclusive) and further information received on 6 September 2011, 11 October 2011, 21 October 2011 and the information presented at the hearing.

   In the event that there is any inconsistency between the information referred to in this condition and any other consent conditions, the other consent conditions are to prevail.

   Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to Section 127 of the Resource Management Act 1991.

2. For the purposes of section 125(1) of the Act, this consent shall lapse if not given effect to within 10 years after the date of commencement of this consent and shall expire 10 years after the date of construction commencing.
3. All activities authorised by this consent shall be undertaken in accordance with
the relevant conditions in Schedule One.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind
Farm from Horizons Regional Council, Greater Wellington Regional Council,
Tararua District Council and Masterton District Council.

4. Pursuant to sections 128 to 131 of the Resource Management Act 1991, the
relevant Council may one year after the commencement of construction activities
associated with this consent, and at one yearly intervals thereafter during the
construction period, serve notice on the Consent Holder of its intention to review
any or all of the conditions of this consent for any of the following purposes:

(a) To review the effectiveness of the conditions of this resource consent in
avoiding, remedying, or mitigating, any adverse effect on the
environment that may arise from the exercise of this resource consent
(in particular the potential adverse environmental effects in relation to
ecology, archaeology, vegetation removal or earthworks effects);

(b) To address any adverse effects on the environment which have arisen
as a result of the exercise of this consent that were not anticipated at the
time of granting this consent, including addressing any issues arising out
of complaints;

(c) To review the adequacy of, and necessity for, any of the monitoring
programmes or management plans that are part of the conditions of this
consent; and

(d) To require the Consent Holder, if necessary and appropriate, to adopt
the best practicable option(s) to avoid, remedy or mitigate any adverse
effects on the surrounding environment.

5. The relevant Council shall be entitled to recover from the consent holder the
reasonable costs of any review, calculated in accordance with and limited to the
Council’s scale of charges in force and applicable at that time pursuant to section

6. The Consent Holder shall pay the relevant Council all reasonable costs and
charges fixed by the Council pursuant to section 36 of the Act, in relation to any
administration, monitoring and inspection relating to these consents, and charges
authorized by regulations.

7. All project components shall be located in accordance with Table 1 in Schedule
One.

8. Subject to all other conditions of this consent, the consent holder when
undertaking works shall not exceed any of the maximum parameters identified in
Table 2 of Schedule One.

Note: Nothing in this resource consent removes the need for the Consent Holder
to apply for any approvals required under the Wildlife Act 1953. For the avoidance
of doubt, these resource consents do not constitute lawful authority under the
Wildlife Act.
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Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Manawatu-Wanganui Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

Note: Where an 'estimated', 'expected' or 'approximate' amount is included in the information referred to in the application documentation, this will be the maximum amount authorised by consent.

PRE-CONSTRUCTION CONDITIONS

9. The consent holder shall arrange and conduct a pre-construction site meeting prior to commencing each stage of works and invite with a minimum of 10 working days notice the relevant Council, the contractor undertaking the works, site engineer and any other key personnel.

Note: In the case that any of the invited parties, other than the representative of the consent holder, does not attend this meeting, the consent holder will have complied with this condition, provided the invitation requirement is met.

10. The consent holder shall provide a copy of these conditions to any operator or contractor undertaking works authorised by this consent, prior to each stage of the works commencing, and ensure any operator and contractor understands and complies with the conditions of this consent.

11. The consent holder shall provide written notification to the relevant Council a minimum of five working days prior to the first operation of each concrete batching plant or mobile aggregate crushing plant.

Note: Refer to Schedule One for additional pre-construction conditions

OPERATIONAL CONDITIONS

12. The consent holder shall undertake all works in a manner than minimises, to the extent practicable, the production of dust.

13. The consent holder shall ensure there is no discharge to air of dust as a result of the operation that is objectionable to the extent that it causes an adverse effect at/or beyond the boundary of a concrete batching plant or quarry or crushing plant site.

14. In the event of an emission of dust that has an objectionable or offensive effect, the consent holder shall provide a written report to the relevant Council within five working days of the event occurring. This report shall specify:

- The cause or likely cause of the event and any factors that influenced its severity;
- The nature and timing of any measures implemented by the Consent Holder to remedy, or mitigate any adverse effects;
- The steps to be taken in future to prevent recurrence of similar events.
- The frequency, intensity, duration, offensiveness, amount, effect, and location of the suspended or particulate matter;
- Receipt of complaints from neighbours or the public; and
- Relevant written advice or report from an Environmental Health Officer of a territorial authority or health authority.
Concrete Batching Plant

15. No concrete batching plant shall be located within 50 metres of any river/stream.

16. No more than two concrete batching plants shall operate concurrently at any one time.

17. Any spillages of cement or cement dust shall be cleaned up as soon as practicable, taking into account the potential for dust emissions beyond the batching plant boundary or discharges to surface water.

18. The consent holder shall ensure the dust control equipment is kept in good repair and cleaned to maintain efficient removal of particulate matter from the discharge to air.

Quarry and Crushing Plant

19. The consent holder shall ensure the dust control equipment is kept in good repair and cleaned to maintain efficient removal of particulate matter from the discharge to air.

POST-OPERATIONAL CONDITIONS

20. Except for the carriageways of access roads and tracks, the consent holder shall rehabilitate/revegetate concrete batching plant and quarry and crushing plant sites following the decommissioning of the concrete batching plant/crushing plant, in accordance with the certified Rehabilitation and Revegetation Plan (RRP) required under condition 58 of Schedule One.

Application of grass seed shall occur within 20 working days of plant decommissioning unless otherwise approved by the relevant Council.

Tree planting shall be completed within 12 months of plant decommissioning unless otherwise certified in writing by the relevant Council. Trees planted shall be maintained/replaced in accordance with the RRP for a minimum duration of 5 years following plant decommissioning.
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Greater Wellington Regional Council Resource Consent 31335
&
Manawatu-Wanganui Regional Council Consent 105957

Consent type: Discharge Permit

Consent sub-type: Land

Consent holder: Genesis Power Limited
Level 3, The Genesis Building,
602 Great South Road,
Greenlane, Auckland

Activity authorised: 31335: Discharge stormwater and washwater (from truck bowl wash out and Concrete Batching Plant areas) to land.

105957: Discharge stormwater and washwater (from truck bowl wash out and Concrete Batching Plant areas) to land.

Consent duration: 10 years from the date of commencement of works authorised by this consent

Conditions:

GENERAL CONDITIONS

1. With the exception of amendments required to comply with other conditions of this consent and any conditions of related resource consents granted by the Manawatu-Wanganui Regional Council, Wellington Regional Council, Tararua District Council and Masterton District Council, the proposed development shall proceed in general accordance with the information and plans provided with the Application Genesis Energy Castle Hill Wind Farm Resource Consent Applications and Assessment of Environmental Effects August 2011 (Volumes 1 to 4 inclusive) and further information received on 6 September 2011, 11 October 2011, 21 October 2011 and the information presented at the hearing.

In the event that there is any inconsistency between the information referred to in this condition and any other consent conditions, the other consent conditions are to prevail.

Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to Section 127 of the Resource Management Act 1991.

2. For the purposes of section 125(1) of the Act, this consent shall lapse if not given effect to within 10 years after the date of commencement of this consent and shall expire 10 years after the date of construction commencing.
3. All activities authorised by this consent shall be undertaken in accordance with the relevant conditions in Schedule One.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Horizons Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

4. Pursuant to sections 128 to 131 of the Resource Management Act 1991, the relevant Council may one year after the commencement of construction activities associated with this consent, and at one yearly intervals thereafter during the construction period, serve notice on the Consent Holder of its intention to review any or all of the conditions of this consent for any of the following purposes:

(a) To review the effectiveness of the conditions of this resource consent in avoiding, remedying, or mitigating, any adverse effect on the environment that may arise from the exercise of this resource consent (in particular the potential adverse environmental effects in relation to ecology, archaeology, vegetation removal or earthworks effects);

(b) To address any adverse effects on the environment which have arisen as a result of the exercise of this consent that were not anticipated at the time of granting this consent, including addressing any issues arising out of complaints;

(c) To review the adequacy of, and necessity for, any of the monitoring programmes or management plans that are part of the conditions of this consent; and

(d) To require the Consent Holder, if necessary and appropriate, to adopt the best practicable option(s) to avoid, remedy or mitigate any adverse effects on the surrounding environment.

5. The relevant Council shall be entitled to recover from the consent holder the reasonable costs of any review, calculated in accordance with and limited to the Councils’ scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.

6. The Consent Holder shall pay the relevant Council all reasonable costs and charges fixed by the Council pursuant to section 36 of the Act, in relation to any administration, monitoring and inspection relating to these consents, and charges authorized by regulations.

7. All project components shall be located in accordance with Table 1 in Schedule One.

8. Subject to all other conditions of this consent, the consent holder when undertaking works shall not exceed any of the maximum parameters identified in Table 2 of Schedule One.

Note: Nothing in this resource consent removes the need for the Consent Holder to apply for any approvals required under the Wildlife Act 1953. For the avoidance of doubt, these resource consents do not constitute lawful authority under the Wildlife Act.
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Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Manawatu-Wanganui Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

Note: Where an ‘estimated’, ‘expected’ or ‘approximate’ amount is included in the information referred to in the application documentation, this will be the maximum amount authorised by consent.

PRE-CONSTRUCTION CONDITIONS

9. The consent holder shall arrange and conduct a pre-construction site meeting prior to commencing each stage of works and invite with a minimum of 10 working days notice the relevant Council, the contractor undertaking the works, site engineer and any other key personnel.

Note: In the case that any of the invited parties, other than the representative of the consent holder, does not attend this meeting, the consent holder will have complied with this condition, provided the invitation requirement is met.

10. The consent holder shall provide a copy of these conditions to any operator or contractor undertaking works authorised by this consent, prior to each stage of the works commencing, and ensure any operator and contractor understands and complies with the conditions of this consent.

11. The consent holder shall provide written notification to the relevant Council a minimum of five working days prior to the first operation of each concrete batching plant.

Note: Refer to Schedule One for additional pre-construction conditions

OPERATIONAL CONDITIONS

12. No concrete batching plant shall be located within 50 metres of any river/stream.

13. No more than two concrete batching plants shall operate concurrently at any one time.

Note: Refer to Schedule One for additional operational conditions.

POST OPERATION CONDITIONS

14. Except for the carriageways of access roads and tracks, the consent holder shall rehabilitate/revegetate concrete batching plant sites following the decommissioning of the batching plant, in accordance with the certified Rehabilitation and Revegetation Plan (RRP) required under condition 58 of Schedule One.

Application of grass seed shall occur within 20 working days of decommissioning of the batching plant unless otherwise approved by the relevant Council.
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Tree planting shall be completed within 12 months of decommissioning of the batching plant unless otherwise certified in writing by the relevant Council. Trees planted shall be maintained/replaced in accordance with the RRP for a minimum duration of 5 years following decommissioning of the batching plant.

Note: Refer to Schedule One for additional post-operation conditions.
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Greater Wellington Regional Council Resource Consent 31331

Consent type: Water Permit
Consent sub-type: Take
Consent holder: Genesis Power Limited
Level 3, The Genesis Building,
602 Great South Road,
Greenlane, Auckland

Activity authorised: 31331: To take and use a total of 890 cubic metres of surface water per day from the Tinui River at Taipo

Location/map reference: Tinui River at Taipo (WS5) at 2776430E and 6039220N

Consent duration: 10 years from the date of commencement of abstraction authorised by this consent

Conditions:

GENERAL CONDITIONS

1. With the exception of amendments required to comply with other conditions of this consent and any conditions of related resource consents granted by the Manawatu-Wanganui Regional Council, Wellington Regional Council, Tararua District Council and Masterton District Council, the proposed development shall proceed in general accordance with the information and plans provided with the Application Genesis Energy Castle Hill Wind Farm Resource Consent Applications and Assessment of Environmental Effects August 2011 (Volumes 1 to 4 inclusive) and further information received on 6 September 2011, 11 October 2011, 21 October 2011 and the information presented at the hearing.

In the event that there is any inconsistency between the information referred to in this condition and any other consent conditions, the other consent conditions are to prevail.

Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to Section 127 of the Resource Management Act 1991.

2. For the purposes of section 125(1) of the Act, this consent shall lapse if not given effect to within 10 years after the date of commencement of this consent and shall expire 10 years after the date of construction commencing.

3. All activities authorised by this consent shall be undertaken in accordance with the relevant conditions in Schedule One.
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Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Horizons Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

4. Pursuant to sections 128 to 131 of the Resource Management Act 1991, the relevant Council may one year after the commencement of construction activities associated with this consent, and at one yearly intervals thereafter during the construction period, serve notice on the Consent Holder of its intention to review any or all of the conditions of this consent for any of the following purposes:

(a) To review the effectiveness of the conditions of this resource consent in avoiding, remedying, or mitigating, any adverse effect on the environment that may arise from the exercise of this resource consent (in particular the potential adverse environmental effects in relation to ecology, archaeology, vegetation removal or earthworks effects);

(b) To address any adverse effects on the environment which have arisen as a result of the exercise of this consent that were not anticipated at the time of granting this consent, including addressing any issues arising out of complaints;

(c) To review the adequacy of, and necessity for, any of the monitoring programmes or management plans that are part of the conditions of this consent;

(d) To adjust water abstraction rates and/or trigger levels based on the results of water flow and abstraction monitoring; and

(e) To require the Consent Holder, if necessary and appropriate, to adopt the best practicable option(s) to avoid, remedy or mitigate any adverse effects on the surrounding environment.

5. The relevant Council shall be entitled to recover from the consent holder the reasonable costs of any review, calculated in accordance with and limited to the Councils’ scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.

6. The Consent Holder shall pay relevant Council all reasonable costs and charges fixed by the Council pursuant to section 36 of the Act, in relation to any administration, monitoring and inspection relating to these consents, and charges authorized by regulations.

7. All project components shall be located in accordance with Table 1 in Schedule One.

8. Subject to all other conditions of this consent, the consent holder when undertaking works shall not exceed any of the maximum parameters identified in Table 2 of Schedule One.
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Note: Nothing in this resource consent removes the need for the Consent Holder to apply for any approvals required under the Wildlife Act 1953. For the avoidance of doubt, these resource consents do not constitute lawful authority under the Wildlife Act.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Manawatu-Wanganui Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

Note: Where an 'estimated', 'expected' or 'approximate' amount is included in the information referred to in the application documentation, this will be the maximum amount authorised by consent.

OPERATIONAL CONDITIONS

Water abstraction

9. The rate of the water take from abstraction point WS 5 authorised by this consent shall not exceed the rates specified for streamflow bands in the following table:

<table>
<thead>
<tr>
<th>River flow</th>
<th>Abstraction</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;95% MALF</td>
<td>No Take</td>
</tr>
<tr>
<td>&lt;30.5 L/s</td>
<td>Variable up to 20% of instream flow</td>
</tr>
<tr>
<td>&lt;110% Median flow</td>
<td>Up to 6.1 L/s</td>
</tr>
<tr>
<td>&gt;110% Median Flow</td>
<td>10% Median flow</td>
</tr>
</tbody>
</table>

10. The consent holder shall undertake flow gauging targeting at least five low flow events prior to the commencement of water abstraction authorised by this consent. The results of this flow gauging shall be used to refine the estimate of MALF and associated low flow statistics and analyses.

The refined low flow analyses, including supporting low flow gauging results, shall be provided to the Manager, Environmental Regulation, Wellington Regional Council for approval, at least 40 working days prior to commencement of water abstraction. Water abstraction shall not occur until approval for the refined analyses has been obtained.

11. The consent holder shall ensure that no more than 890m³/day of water shall be taken from Tinui River [2776430E, 6039220N] (WS5) take point.

12. The Consent Holder shall ensure that the intake velocity through the screen does not exceed 0.3 metres per second at all times and the sweep velocity exceeds the approach velocity. The intake shall be cleaned and maintained to ensure that the intake velocity is maintained at 0.3 metres per second or less. If so requested by the relevant Council, the Consent Holder shall provide whatever information is deemed necessary by the Council to demonstrate that the intake velocity does not exceed 0.3 metres per second.
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Metering, monitoring and reporting

13. From the commencement of water abstraction at the abstraction point as authorised by this consent the consent holder shall keep an accurate record of the daily water volumes and rates of water abstracted under this consent and the corresponding mean daily stream flow. These records shall be documented for the duration of the abstraction and forwarded to the relevant Council in an appropriate digital format upon request. If no water is abstracted on any day a 'nil' measurement shall be recorded.

14. The consent holder shall install and maintain, in a fully operational condition, a flow meter on each water abstraction line at each abstraction point with a pulse counter output traceably calibrated to +/- 5 % or better. The flow meter shall be installed prior to undertaking any water abstraction authorised by this consent, and shall remain in place for the duration of the authorised water abstraction activities.

15. The flow meter shall be capable of providing daily water use as well as a pulse counter output. The flow meter shall be positioned to measure the entire volume abstracted under authorisation of this consent before water enters any storage facility.

16. Full specifications of the flow meter design and installation methodology shall be provided to the relevant Council approval at least 40 working days prior to abstraction commencing. The flow meter shall be installed and maintained by the consent holder in accordance with the certified specifications.

17. The consent holder shall install and maintain, in a fully operational condition, a continuous water level recorder at an upstream site close to, but not impacted by, each proposed point of abstraction. The continuous water level recorders shall be installed prior to undertaking any water abstraction authorised by this consent, and shall remain in place for the duration of the authorised water abstraction activities.

18. All stream monitoring locations shall have stations that are constructed and are operated in accordance with DSIR (1991)\(^1\). Stream monitoring stations shall include; a water level sensor that can measure water level to an accuracy of +/- 5 mm, an external staff gauge and a flow control structure.

19. An initial water level-to-flow relationship (a rating curve) for each abstraction monitoring station shall be developed using a theoretical weir relationship in accordance with DSIR (1991)\(^1\).

20. A minimum of three (3) physical flow measurements shall be carried out at each water level monitoring station for the purposes of validating the developed water level-flow relationship. All physical flow gaugings and procedures shall be as in accordance with DSIR (1991)\(^1\), or as agreed in writing with the Council. If stream flows are measured with a current meter, then measurements shall be completed with a minimum 20 verticals across the stream.

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21. Full specifications of the continuous water level recorders and flow gauging regime shall be provided to the relevant Council for approval at least 40 working days prior to abstraction occurring. The continuous water level recorders shall be installed and maintained and flow gauging undertaken by the consent holder in accordance with the certified specifications.

22. The Consent Holder shall ensure that the installer declarations are returned to the relevant Council before the abstraction authorised by this consent commences.

23. The Consent Holder shall permit any Regional Council staff member and its agents to attach monitoring equipment / telemetry to monitor water use to ensure compliance with consent conditions or as part of a programme to enable monitoring of total water use.

24. The Consent Holder shall at all reasonable times allow Regional Council staff and its agents access to the monitoring equipment to enable monitoring of water use.

25. In the event that any equipment required under in these conditions fails, replacement or repair will be at the consent holder’s expense and replacement or repair will be required within seven days.

26. In the event that the equipment required under these conditions is removed for servicing or replacement the consent holder shall notify the relevant Council within one working day and keep daily estimates of the volumes of water abstracted under this resource consent. These records shall be submitted to the relevant Council on a weekly basis until the equipment is reinstalled or replaced.

27. The consent holder shall submit to the Manager, Environmental Regulation, Wellington Regional Council, an annual report by 1 December each year during the abstraction which includes, but shall not be limited to:

- A summary of mean daily stream flows and volumes and rates of water abstraction for the reporting period. Data shall be screened and coded for quality.

- The identification of any instances where abstraction exceeded the authorised abstraction volumes or rates.

- Data from the reporting period which has been screened and coded for quality.

- Recommendations (if necessary) for the refinement of the estimate of MALF and/or adjustments to the abstraction regime, and proposed timeframe for initiating these.

Intake structure

28. The intake shall be screened with a mesh aperture size not exceeding 3 millimetres in diameter to minimise entrainment of aquatic organisms, and shall not prevent upstream or downstream fish passage.
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29. The intake structure, including screen, is the responsibility of the consent holder and shall be maintained to ensure its effective ongoing operation and performance. Note: Please contact the Regional Council if you plan to make any modifications to the intake structure, pump, or irrigation system. Any significant modifications may require a change of consent conditions.

Water conservation and efficient use

30. The water abstraction system and connections shall be designed and maintained so that water does not run to waste.

31. The pump and associated equipment shall be well maintained at all times to prevent leakage or spill of oil or other chemicals into any watercourse.

POST-OPERATIONAL CONDITIONS

32. Unless otherwise approved by the relevant Council, the consent holder shall to the Council's satisfaction remove all water abstraction equipment and decommission and rehabilitate the water storage areas upon the permanent cessation of water abstraction authorised by this consent.
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Manawatu-Wanganui Regional Council Resource Consent 105953

Consent type: Water Permit
Consent sub-type: Take
Consent holder: Genesis Power Limited
Level 3, The Genesis Building,
602 Great South Road,
Greenlane, Auckland

Activity authorised: 105953: To take and use a combined total of 531 cubic metres of water per day from the Te Hoe Stream, the Tiraumea Stream and the Tiraumea River when the Tiraumea River flow at the Manawatu-Wanganui Regional Council river flow gauge at Ngatunui is less than the median flow but exceeds 2.04 cubic metres per second.

Location/map reference: Te Hoe Stream on Castle Hill Road (WS1) 2756620E and 6052240N
Tiraumea Stream at Haunui Road (WS3) 2767510E and 6059807N
Tiraumea River at Ihurua Confluence (WSB) 2752820E and 6059600N

Consent duration: 10 years from the date of commencement of abstraction authorised by this consent

Conditions:

GENERAL CONDITIONS

1. With the exception of amendments required to comply with other conditions of this consent and any conditions of related resource consents granted by the Manawatu-Wanganui Regional Council, Wellington Regional Council, Tararua District Council and Masterton District Council, the proposed development shall proceed in general accordance with the information and plans provided with the Application Genesis Energy Castle Hill Wind Farm Resource Consent Applications and Assessment of Environmental Effects August 2011 (Volumes 1 to 4 inclusive) and further information received on 6 September 2011, 11 October 2011, 21 October 2011 and the information presented at the hearing.

In the event that there is any inconsistency between the information referred to in this condition and any other consent conditions, the other consent conditions are to prevail.
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Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to Section 127 of the Resource Management Act 1991.

2. For the purposes of section 125(1) of the Act, this consent shall lapse if not given effect to within 10 years after the date of commencement of this consent and shall expire 10 years after the date of construction commencing.

3. All activities authorised by this consent shall be undertaken in accordance with the relevant conditions in Schedule One.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Horizons Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

4. Pursuant to sections 128 to 131 of the Resource Management Act 1991, the relevant Council may one year after the commencement of construction activities associated with this consent, and at one yearly intervals thereafter during the construction period, serve notice on the Consent Holder of its intention to review any or all of the conditions of this consent for any of the following purposes:

(a) To review the effectiveness of the conditions of this resource consent in avoiding, remediating, or mitigating, any adverse effect on the environment that may arise from the exercise of this resource consent (in particular the potential adverse environmental effects in relation to ecology, archaeology, vegetation removal or earthworks effects);

(b) To address any adverse effects on the environment which have arisen as a result of the exercise of this consent that were not anticipated at the time of granting this consent, including addressing any issues arising out of complaints;

(c) To review the adequacy of, and necessity for, any of the monitoring programmes or management plans that are part of the conditions of this consent;

(d) To adjust water abstraction rates and/or trigger levels based on the results of water flow and abstraction monitoring; and

(e) To require the Consent Holder, if necessary and appropriate, to adopt the best practicable option(s) to avoid, remedy or mitigate any adverse effects on the surrounding environment.

5. The relevant Council shall be entitled to recover from the consent holder the reasonable costs of any review, calculated in accordance with and limited to the Councils’ scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.
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6. The Consent Holder shall pay the relevant Council all reasonable costs and charges fixed by the Council pursuant to section 36 of the Act, in relation to any administration, monitoring and inspection relating to these consents, and charges authorized by regulations.

7. All project components shall be located in accordance with Table 1 in Schedule One.

8. Subject to all other conditions of this consent, the consent holder when undertaking works shall not exceed any of the maximum parameters identified in Table 2 of Schedule One.

Note: Nothing in this resource consent removes the need for the Consent Holder to apply for any approvals required under the Wildlife Act 1953. For the avoidance of doubt, these resource consents do not constitute lawful authority under the Wildlife Act.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Manawatu-Wanganui Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

Note: Where an 'estimated', 'expected' or 'approximate' amount is included in the information referred to in the application documentation, this will be the maximum amount authorised by consent.

Operational Conditions

Water Abstraction

9. The rate of the water take from abstraction points WS1 and WS3 authorised by this consent shall not exceed the rates specified for streamflow bands in the following table:

<table>
<thead>
<tr>
<th>River flow</th>
<th>Abstraction</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;95% MALF</td>
<td>No Take</td>
</tr>
<tr>
<td>&lt;30.5 L/s</td>
<td>Variable up to 20% of instream flow</td>
</tr>
<tr>
<td>&lt;100% Median flow</td>
<td>Up to 6.1 L/s</td>
</tr>
<tr>
<td>&gt;100% Median Flow</td>
<td>No Take</td>
</tr>
</tbody>
</table>

Note: Other conditions identify the location limitations and maximum parameters for water abstractions authorised by this consent.

10. The rate of the water take from abstraction point WSB authorised by this consent shall not exceed the rates specified for streamflow bands in the following table:

<table>
<thead>
<tr>
<th>River flow</th>
<th>Abstraction</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;50% MALF</td>
<td>No Take</td>
</tr>
<tr>
<td>&lt;100% Median flow</td>
<td>Up to 6.1 L/s</td>
</tr>
<tr>
<td>&gt;100% Median flow</td>
<td>No Take</td>
</tr>
</tbody>
</table>
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11. The consent holder shall ensure that when the flows are less than 100% of median flow, no more than 531m³/day shall be taken as a combined total across the Tiraumea Stream [2767510mE, 6059807mN] (WS3), Te Hoe Stream [2758620mE, 6052240mN] (WS1) and Tiraumea River [2752820mE, 6059600mN] (WSB) take points.

12. The consent holder shall cease water abstraction at abstraction points WS1, WS3 and WSB when the river flow at the Regional Council flow gauge at Ngatūri falls below the minimum flow of 2.040m³/s.

13. The Consent Holder shall ensure that the intake velocity through the screen does not exceed 0.3 metres per second at all times and the sweep velocity exceeds the approach velocity. The intake shall be cleaned and maintained to ensure that the intake velocity is maintained at 0.3 metres per second or less. If so requested by the relevant Council, the Consent Holder shall provide whatever information is deemed necessary by the Council to demonstrate that the intake velocity does not exceed 0.3 metres per second.

14. From the commencement of water abstraction at each abstraction point as authorised by this consent the consent holder shall keep an accurate record of the daily water volumes and rates of water abstracted under this consent and the corresponding mean daily stream flow. These records shall be documented for the duration of the abstraction and forwarded to the relevant Council in an appropriate digital format upon request. If no water is abstracted on any day a 'nil' measurement shall be recorded.

Note: If the equipment required under other conditions is in fully working order and the data is being supplied to the Manawatu-Wanganui Regional Council automatically then manual records are not required.

Metering and monitoring

15. The consent holder shall install and maintain, in a fully operational condition, a flow meter on each water abstraction line at each abstraction point with a pulse counter output traceably calibrated to +/- 5 % or better. The flow meter shall be installed prior to undertaking any water abstraction authorised by this consent, and shall remain in place for the duration of the authorised water abstraction activities.

16. The flow meter shall be capable of providing daily water use as well as a pulse counter output. The flow meter shall be positioned to measure the entire volume abstracted under authorisation of this consent before water enters any storage facility.

17. Full specifications of the flow meter design and installation methodology shall be provided to the relevant Council for approval at least 40 working days prior to abstraction commencing. The flow meter shall be installed and maintained by the consent holder in accordance with the certified specifications.

18. The consent holder shall install and maintain, in a fully operational condition, a data logger compatible with the Manawatu-Wanganui Regional Council’s telemetry system on the water abstraction line traceable to +/- 5 % or better. If telemetry is
not feasible then a data logger compatible with the Manawatu-Wanganui Regional Council’s radio communications system will be used. If radio communications are not feasible then the data logger is to be manually downloaded every two months.

19. The data logger shall be installed prior to undertaking any water abstraction authorised by this consent, and shall remain in place for the duration of the authorised water abstraction activities.

20. The consent holder shall install and maintain, in a fully operational condition, a continuous water level recorder at an upstream site close to, but not impacted by, each proposed point of abstraction. The continuous water level recorders shall be installed prior to undertaking any water abstraction authorised by this consent, and shall remain in place for the duration of the authorised water abstraction activities.

21. All stream monitoring locations shall have stations that are constructed and are operated in accordance with DSIR (1991). Stream monitoring stations shall include: a water level sensor that can measure water level to an accuracy of +/- 5 mm, an external staff gauge and a flow control structure.

22. An initial water level-to-flow relationship (a rating curve) for each abstraction monitoring station shall be developed using a theoretical weir relationship in accordance with DSIR (1991).

23. A minimum of three (3) physical flow measurements shall be carried out at each water level monitoring station for the purposes of validating the developed water level-flow relationship. All physical flow gaugings and procedures shall be as in accordance with DSIR (1991), or as agreed in writing with the relevant Council. If stream flows are measured with a current meter, then measurements shall be completed with a minimum 20 verticals across the stream.

24. Full specifications of the continuous water level recorders and flow gauging regime shall be provided to the relevant Council for approval, at least 40 working days prior to abstraction occurring. The continuous water level recorders shall be installed and maintained and flow gauging undertaken by the consent holder in accordance with the certified specifications.

25. The Consent Holder shall ensure that the installer declarations are returned to the relevant Council before the abstraction authorised by this consent commences.

26. The Consent Holder shall permit any Regional Council staff member and its agents to attach monitoring equipment / telemetry to monitor water use to ensure compliance with consent conditions or as part of a programme to enable monitoring of total water use.

27. The Consent Holder shall at all reasonable times allow Regional Council staff and its agents access to the monitoring equipment to enable monitoring of water use.

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28. In the event that any equipment required under these conditions fails, replacement or repair will be at the consent holder’s expense and replacement or repair will be required within seven days.

29. In the event that the equipment required under these conditions is removed for servicing or replacement the consent holder shall notify the relevant Council within one working day and keep daily estimates of the volumes of water abstracted under this resource consent. These records shall be submitted to the relevant Council on a weekly basis until the equipment is reinstalled or replaced.

30. The consent holder shall submit to the Environmental Protection Manager, Manawatu-Wanganui Regional Council, an annual report by 1 December each year during the abstraction which includes, but shall not be limited to:
   a. A summary of mean daily stream flows and volumes and rates of water abstraction for the reporting period. Data shall be screened and coded for quality.
   b. The identification of any instances where abstraction exceeded the authorised abstraction volumes or rates.
   c. Data from the reporting period which has been screened and coded for quality.
   d. Recommendations (if necessary) for the refinement of the estimate of MALF and/or adjustments to the abstraction regime, and proposed timeframe for initiating these.

   Note: If the equipment required under these conditions is in fully working order and the data is being supplied to the Manawatu-Wanganui Regional Council automatically then manual records are not required.

Intake structure

31. The intake shall be screened with a mesh aperture size not exceeding 3 millimetres in diameter to minimise entrainment of aquatic organisms, and shall not prevent upstream or downstream fish passage.

32. The intake structure, including screen, is the responsibility of the consent holder and shall be maintained to ensure its effective ongoing operation and performance.

   Note: Please contact the Regional Councils if you plan to make any modifications to the intake structure, pump, or irrigation system. Any significant modifications may require a change of consent conditions.

Water conservation and efficient use

33. The water abstraction system and connections shall be designed and maintained so that water does not run to waste.
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34. The pump and associated equipment shall be well maintained at all times to prevent leakage or spill of oil or other chemicals into any watercourse.

POST-OPERATIONAL CONDITIONS

35. Unless otherwise approved by the relevant Council, the consent holder shall to the Council's satisfaction remove all water abstraction equipment and decommission and rehabilitate the water storage areas upon the permanent cessation of water abstraction authorised by this consent.
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Manawatu-Wanganui Regional Council Resource Consent 105954

Consent type: Water Permit
Consent sub-type: Take
Consent holder: Genesis Power Limited
Level 3, The Genesis Building,
602 Great South Road,
Greenlane, Auckland

Activity authorised: 105954: To take and use up to 1037 cubic metres of water per day from the Te Hoe Stream, up to 1037 cubic metres of water per day from the Tiraumea Stream and up to 2074 cubic metres of water per day from the Tiraumea River when the Tiraumea River flow at the Manawatu-Wanganui Regional Council river flow gauge at Ngaturi exceeds the median flow.

Location/map reference: Te Hoe Stream on Castle Hill Road (WS1) 2756620E and 6052240N
Tiraumea Stream at Haunui Road (WS3) 2767510E and 6059807N
Tiraumea River at Ihurua Confluence (WSB) 2752820E and 6058600N

Consent duration: 10 years from the date of commencement of abstraction authorised by this consent

Conditions:

GENERAL CONDITIONS

1. With the exception of amendments required to comply with other conditions of this consent and any conditions of related resource consents granted by the Manawatu-Wanganui Regional Council, Wellington Regional Council, Tararua District Council and Masterton District Council, the proposed development shall proceed in general accordance with the information and plans provided with the Application Genesis Energy Castle Hill Wind Farm Resource Consent Applications and Assessment of Environmental Effects August 2011 (Volumes 1 to 4 inclusive) and further information received on 6 September 2011, 11 October 2011, 21 October 2011 and the information presented at the hearing.

In the event that there is any inconsistency between the information referred to in this condition and any other consent conditions, the other consent conditions are to prevail.
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Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to Section 127 of the Resource Management Act 1991.

2. For the purposes of section 125(1) of the Act, this consent shall lapse if not given effect to within 10 years after the date of commencement of this consent and shall expire 10 years after the date of construction commencing.

3. All activities authorised by this consent shall be undertaken in accordance with the relevant conditions in Schedule One.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Horizons Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

4. Pursuant to sections 128 to 131 of the Resource Management Act 1991, the relevant Council may one year after the commencement of construction activities associated with this consent, and at one yearly intervals thereafter during the construction period, serve notice on the Consent Holder of its intention to review any or all of the conditions of this consent for any of the following purposes:

(a) To review the effectiveness of the conditions of this resource consent in avoiding, remedying, or mitigating, any adverse effect on the environment that may arise from the exercise of this resource consent (in particular the potential adverse environmental effects in relation to ecology, archaeology, vegetation removal or earthworks effects);

(b) To address any adverse effects on the environment which have arisen as a result of the exercise of this consent that were not anticipated at the time of granting this consent, including addressing any issues arising out of complaints;

(c) To review the adequacy of, and necessity for, any of the monitoring programmes or management plans that are part of the conditions of this consent;

(d) To adjust water abstraction rates and/or trigger levels based on the results of water flow and abstraction monitoring; and

(e) To require the Consent Holder, if necessary and appropriate, to adopt the best practicable option(s) to avoid, remedy or mitigate any adverse effects on the surrounding environment.

5. The relevant Council shall be entitled to recover from the consent holder the reasonable costs of any review, calculated in accordance with and limited to the Councils’ scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.

6. The Consent Holder shall pay the relevant Council all reasonable costs and charges fixed by the Council pursuant to section 36 of the Act, in relation to any
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administration, monitoring and inspection relating to these consents, and charges authorized by regulations.

7. All project components shall be located in accordance with Table 1 in Schedule One.

8. Subject to all other conditions of this consent, the consent holder when undertaking works shall not exceed any of the maximum parameters identified in Table 2 of Schedule One.

Note: Nothing in this resource consent removes the need for the Consent Holder to apply for any approvals required under the Wildlife Act 1953. For the avoidance of doubt, these resource consents do not constitute lawful authority under the Wildlife Act.

Note: Schedule One is common to all consents that relate to the Castle Hill Wind Farm from Manawatu-Wanganui Regional Council, Greater Wellington Regional Council, Tararua District Council and Masterton District Council.

Note: Where an ‘estimated’, ‘expected’ or ‘approximate’ amount is included in the information referred to in the application documentation, this will be the maximum amount authorised by consent.

OPERATIONAL CONDITIONS

Water abstraction

9. The rate of the water take from abstraction points WS1 and WS3 authorised by this consent shall not exceed the rates specified for streamflow bands in the following table:

<table>
<thead>
<tr>
<th>River flow</th>
<th>Abstraction</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;100% Median flow</td>
<td>No Take</td>
</tr>
<tr>
<td>Between 100% and 110% of</td>
<td>Up to 6.1 L/s</td>
</tr>
<tr>
<td>Median flow</td>
<td></td>
</tr>
<tr>
<td>&gt;110% Median Flow</td>
<td>10% Median flow</td>
</tr>
</tbody>
</table>

Note: Other conditions identify the location limitations and maximum parameters for water abstractions authorised by this consent.

10. The rate of the water take from abstraction point WSB authorised by this consent shall not exceed the rates specified for streamflow bands in the following table:

<table>
<thead>
<tr>
<th>River flow</th>
<th>Abstraction</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;100% Median flow</td>
<td>No Take</td>
</tr>
<tr>
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<td>Up to 6.1 L/s</td>
</tr>
<tr>
<td>Median flow</td>
<td></td>
</tr>
<tr>
<td>&gt;110% Median flow</td>
<td>10% Median flow</td>
</tr>
</tbody>
</table>

11. The consent holder shall ensure that when the flows are less than 110% of median flow, no more than 531 m³/day shall be taken as a combined total across the
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Tiraumea Stream [27670510mE, 6059607mN] (WS3), Te Hoe Stream [2756620mE, 6052240mN] (WS1) and Tiraumea River [2752820mE, 6059600mN] (WSB) take points.

12. The consent holder shall ensure that when the flows exceed 110% of median flow, no more than 1037m³/day shall be taken from the Tiraumea Stream [27670510mE, 6059607mN] (WS3), 1037m³/day from the Te Hoe Stream [2756620mE, 6052240mN] (WS1), and 2074m³/day from the Tiraumea River [2752820mE, 6059600mN] (WSB) take points.

13. The consent holder shall cease water abstraction at abstraction points WS1, WS3 and WSB when the river flow at the Regional Council flow gauge at Ngaturi falls below 100% of the median flow.

14. The consent holder shall undertake flow gauging targeting at least five low flow events prior to the commencement of water abstraction authorised by this consent. The results of this flow gauging shall be used to refine the estimate of MALF and associated low flow statistics and analyses.

The refined low flow analyses, including supporting low flow gauging results, shall be provided to the Environmental Protection Manager, Manawatū-Wanganui Regional Council for approval, at least 40 working days prior to commencement of water abstraction. Water abstraction shall not occur until approval for the refined analyses has been obtained.

15. The Consent Holder shall ensure that the intake velocity through the screen does not exceed 0.3 metres per second at all times and the sweep velocity exceeds the approach velocity. The intake shall be cleaned and maintained to ensure that the intake velocity is maintained at 0.3 metres per second or less. If so requested by the relevant Council, the Consent Holder shall provide whatever information is deemed necessary by the Council to demonstrate that the intake velocity does not exceed 0.3 metres per second.

Metering, monitoring and reporting

16. From the commencement of water abstraction at each abstraction point as authorised by this consent the consent holder shall keep an accurate record of the daily water volumes and rates of water abstracted under this consent and the corresponding mean daily stream flow. These records shall be documented for the duration of the abstraction and forwarded to the relevant Council in an appropriate digital format upon request. If no water is abstracted on any day a 'nil' measurement shall be recorded.

17. The consent holder shall install and maintain, in a fully operational condition, a flow meter on each water abstraction line at each abstraction point with a pulse counter output traceably calibrated to +/- 5 % or better. The flow meter shall be installed prior to undertaking any water abstraction authorised by this consent, and shall remain in place for the duration of the authorised water abstraction activities.

18. The flow meter shall be capable of providing daily water use as well as a pulse counter output. The flow meter shall be positioned to measure the entire volume
abstracted under authorisation of this consent before water enters any storage facility.

19. Full specifications of the flow meter design and installation methodology shall be provided to the relevant Council for approval at least 40 working days prior to abstraction commencing. The flow meter shall be installed and maintained by the consent holder in accordance with the certified specifications.

20. The consent holder shall install and maintain, in a fully operational condition, a data logger compatible with the Manawatu-Wanganui Regional Council’s telemetry system on the water abstraction line traceable to +/- 5 % or better. If telemetry is not feasible then a data logger compatible with the Manawatu-Wanganui Regional Council’s radio communications system will be used. If radio communications are not feasible then the data logger is to be manually downloaded every two months.

21. The data logger shall be installed prior to undertaking any water abstraction authorised by this consent, and shall remain in place for the duration of the authorised water abstraction activities.

22. The consent holder shall install and maintain, in a fully operational condition, a continuous water level recorder at an upstream site close to, but not impacted by, each proposed point of abstraction. The continuous water level recorders shall be installed prior to undertaking any water abstraction authorised by this consent, and shall remain in place for the duration of the authorised water abstraction activities.

23. All stream monitoring locations shall have stations that are constructed and are operated in accordance with DSIR (1991)¹. Stream monitoring stations shall include; a water level sensor that can measure water level to an accuracy of +/- 5 mm, an external staff gauge and a flow control structure.

24. An initial water level-to-flow relationship (a rating curve) for each abstraction monitoring station shall be developed using a theoretical weir relationship in accordance with DSIR (1991)¹.

25. A minimum of three (3) physical flow measurements shall be carried out at each water level monitoring station for the purposes of validating the developed water level-flow relationship. All physical flow gaugings and procedures shall be as in accordance with DSIR (1991)¹, or as agreed in writing with the Council. If stream flows are measured with a current meter, then measurements shall be completed with a minimum 20 verticals across the stream.

26. Full specifications of the continuous water level recorders and flow gauging regime shall be provided to the relevant Council for approval at least 40 working days prior to abstraction occurring. The continuous water level recorders shall be installed and maintained and flow gauging undertaken by the consent holder in accordance with the certified specifications.

27. The Consent Holder shall ensure that the installer declarations are returned to the relevant Council before the abstraction authorised by this consent commences.

28. The Consent Holder shall permit any Regional Council staff member and its agents to attach monitoring equipment / telemetry to monitor water use to ensure compliance with consent conditions or as part of a programme to enable monitoring of total water use.

29. The Consent Holder shall at all reasonable times allow Regional Council staff and its agents access to the monitoring equipment to enable monitoring of water use.

30. In the event that any equipment required under these conditions fails, replacement or repair will be at the consent holder’s expense and replacement or repair will be required within seven days.

31. In the event that the equipment required under these conditions is removed for servicing or replacement the consent holder shall notify the relevant Council within one working day and keep daily estimates of the volumes of water abstracted under this resource consent. These records shall be submitted to the relevant Council on a weekly basis until the equipment is reinstalled or replaced.

32. The consent holder shall submit to the Environmental Protection Manager, Manawatu-Wanganui Regional Council, an annual report by 1 December each year during the abstraction which includes, but shall not be limited to:
   
   a. A summary of mean daily stream flows and volumes and rates of water abstraction for the reporting period. Data shall be screened and coded for quality.

   b. The identification of any instances where abstraction exceeded the authorised abstraction volumes or rates.

   c. Data from the reporting period which has been screened and coded for quality.

   d. Recommendations (if necessary) for the refinement of the estimate of MALF and/or adjustments to the abstraction regime, and proposed timeframe for initiating these.

Note: If the equipment required under these conditions is in fully working order and the data is being supplied to the Manawatu-Wanganui Regional Council automatically then manual records are not required.

Intake structure

33. The intake shall be screened with a mesh aperture size not exceeding 3 millimetres in diameter to minimise entrainment of aquatic organisms, and shall not prevent upstream or downstream fish passage.

34. The intake structure, including screen, is the responsibility of the consent holder and shall be maintained to ensure its effective ongoing operation and performance.
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Note: Please contact the Regional Councils if you plan to make any modifications to the intake structure, pump, or irrigation system. Any significant modifications may require a change of consent conditions.

Water conservation and efficient use

35. The water abstraction system and connections shall be designed and maintained so that water does not run to waste.

36. The pump and associated equipment shall be well maintained at all times to prevent leakage or spill of oil or other chemicals into any watercourse.

POST-OPERATIONAL CONDITIONS

37. Unless otherwise approved by the relevant Council, the consent holder shall to the Council's satisfaction remove all water abstraction equipment and decommission and rehabilitate the water storage areas upon the permanent cessation of water abstraction authorised by this consent.