Attachment 3.1

Outline the approvals sought under the Resource Management Act 1991

1. The project will require numerous resource consent applications including:
    a. Land use consents under s9 and s13
    b. Subdivision consents under s11
    c. Water Consents under s14
    d. Discharge Consents under s 15
2. Resource consents that will be required include:
    a. Land use consent to build a new dam with a crest height of 770m above sea level on the Te Awa Makarara/Teviot River. This will be down-stream of but close to the existing Onslow dam.
    b. Water consent to dam the Te Awa Makarara/Teviot River / Lake Onslow at that point.
    c. Water consent to move, and replicate, the current discharge from Lake Onslow into the Teviot Te Awa Makarara/Teviot River from the existing dam on Lake Onslow to the new dam (this services the Pioneer hydo stations and the Teviot Irrigation scheme).
    d. Water consent to raise Lake Onslow to 769m above sea level, which acts as the upper reservoir for the project. The areas inundated include the Fortification wetland, galaxiid habitat. The dry land inundated includes lizard habitat.
    e. Land use consent to excavate a channel across the bed of the new expanded lake floor from the existing lake to the tunnel entrance.
    f. Land use and/or water consent to build fish barriers to stop trout moving from the enlarged lake upstream into streams and wetlands inhabited by native fish.
    g. Land use consent to excavate, construct and line a tunnel, surge chambers, and shafts to split the tunnel into penstocks. The tunnel will start at or near the edge of the enlarged Lake Onslow and the penstocks end at the powerhouse.
    h. Land use consent to excavate those parts of the powerhouse which are underground.
    i. Land use consent to construct the powerhouse, most of which will be underground, with some above ground (electrical connections which will eventually lead to the Transpower grid).
    j. Land use consent to install and operate the powerhouse equipment, including the generators which also serve as pumps.

k. Land use consent to construct and operate an electrical the substation on top of or adjacent to the power house (for clarity this does not include the electricity lines from that substation to the Transpower grid).

l. Land use consent for the physical structures needed to convey and control the flow of water from the pond to the power house, and from the powerhouse to the pond.

m. Land use consent for the construction of the lower reservoir/ buffer pond, including the physical structures adjacent to Te Mata-Au/Clutha River where water is diverted from the river into the pond and from the pond into the river.

n. Water consent or consents to divert water from Te Mata-Au/Clutha River into the lower reservoir/ buffer pond and back from the reservoir into Te Mata-Au/Clutha River. This will likely need a protrusion into the Clutha.

o. Water consent or consents to abstract water from the pond, pump it up to Lake Onslow and discharge into Lake Onslow, and as a term of this consent or a separate discharge consent, authorisation of the possible introduction or reintroduction of lagarosiphon and/or didymo/ and or Lake snow into Lake Onslow and on into Te Awa Makarara/Teviot River via water pumped from Te Mata-Au/Clutha River.

p. Water consent or consents to release water from Lake Onslow, convey it through the tunnel, penstocks and powerhouse and discharge it into the pond.

q. Land use consents for associated infrastructure including permanent or temporary ventilation or evacuation shafts.

r. Land use consents for exploratory drilling and excavation for seismic, engineering and design purposes.

s. Land use consents for the improvement or replacement of roads.

t. Land use consents for the installation of electricity and communication networks within the project area, including a possible power line or lines from the existing Talla Burn powerstation.

u. Land use consents for borrow pits, excavation from them, and for the deposition of excavated or tunneled materials, including methods of conveyance such as vehicles, conveyors and aerial cableways.

v. Land use consents for temporary infrastructure for the construction phase including for rock crushing, screening, mixing, concrete plants, construction and roading materials and equipment.

w. Land use consents for the use and storage of tunnel boring machines, drilling equipment, excavation and earthmoving equipment, maintenance and

construction yards, fuel storage, and the storage of dangerous goods (including explosives).

x. Land use consents for temporary and permanent staff facilities, including temporary accommodation.

y. Ancillary land or water consents associated with any of the above, including construction activities that will require various temporary consents, for example water consents for activities within the beds of lakes and rivers, the taking of water from Lake Onslow and the Clutha River, diversion of the Te Awa Makarara/Teviot River, and associated discharges. This ancillary catch-all is intended to cover only ancillary matters. Other substantial consents (such as a new transmission line from the powerhouse to the grid) are not part of this application.