

## Attachment 3 to 99.717

Option	Capital Cost \$M	Comments
1. Akatarawa River intake and water treatment plant 20 ML/d	15.3M	A reliable source of water. Catchment area farmland, forest and some roads.
2. Hutt River intake near Te Marua Pumping Station 200 ML/d	2.9 M	The scheme would pump water into the storage lakes for use at the water treatment plant when required. Water quality is not as good as the water taken at the Kaitoke intake. This is partly negated by holding in the lakes. The lowest cost scheme.
3. Upper Hutt aquifer development and treatment plant 20 ML/d	13.9	Water is currently taken from this aquifer for industrial purposes. Good quality water but treatment is required as the aquifer is not secure.
4.(a) Wainuiomata River storage dam 3 (90 days at 20 ML/d)	48.6M	Further developments on existing catchment.
4.(b) Wainuiomata River storage dam 2 (90 days at 20 ML/d)	66.1M	Alternative site to 4a, on another part of the Wainuiomata river. Both sites within Water Group land boundaries.
5. Hutt River recharge to the Waiwhetu aquifer 20 ML/d	3.3M	Assumes no treatment prior to injection. Hydraulics of the recharge area are not fully understood at present. This information is expected to be available within two years.
6. Universal metering. Assume demand reduces 20 percent, i.e., 30 ML/d	42.9M	Cost allows for meters to all properties in the four cities currently not metered and for replacement meters after 15 years.

