

Western water supply strategy – Huia Water Treatment Plant replacement

Option 1

Upgrading the existing Huia Water Treatment Plant

Option one is to use the existing Huia Water Treatment Plant site. This option would include a new water treatment plant and reservoir in Woodlands Park Road. Sections of the existing plant would be demolished in order to construct the new facility however, heritage areas remain.



Existing Huia Water Treatment Plant.



- Site is already designated and being used for water supply purposes
- Close proximity to existing network
- Only requires construction related consents



- During construction, the existing Huia Water Treatment Plant would need to be shut-down. A new Waikato Water Treatment Plant would need to be constructed in advance to manage interim demand.
- Increased overflow and discharge options are restricted
- Existing heritage structures and trees would restrict construction activities
- The building footprint will increase

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Option 2

Development of a new water treatment plant at Manuka Road

Option two, is to construct a new water treatment plant at the intersection of Woodlands Park and Manuka Roads. This option would also include a new reservoir within the Woodlands Park Road site.



Manuka Road



- This site provides close access to network pipelines
- Site is already designated for water supply purposes
- Only requires construction related consents
- Watercare owned site



- This site is heavily vegetated, including some mature trees
- Significant ecological area
- Increased overflow and discharge options are restricted
- The land contour limits building activity

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Option 3

Development of a new water treatment plant at Parker Road, Oratia

Option three, includes a new water treatment plant and reservoir at Parker Road, Oratia. As part of this project, a new watermain will be required to connect the plant to the planned North Harbour water network.



*Development of a new water treatment plant at Parker Road, Oratia
(shaded area includes a north and south option)*



- This site provides suitable elevation for gravity flow into the existing network
- Sufficient clear land for a building platform
- Watercare owns a parcel of land at 130 Parker Road



- Final design has not been undertaken and additional land may be required beyond Watercare's current holding
- Additional construction activities will be required in order to connect the plant with the existing network
- Designation and consents will be required