
Item 8.8 - Waimea Community Dam Project Status Report

Supplementary Document - Information required for 28 August 2018 Full Council Meeting

Councillors have asked for specific details and associated commentary on some items associated with the project. These will be covered, along with other related matters, in the officers' report to the 28 August 2018 Full Council Meeting. These items are outlined as follows:

1. **Tasman Resource Management Plan (TRMP)** – the requirements and practical implications of undertaking an amendment to the TRMP to modify the current rules in the event of a 'no dam' decision.
 2. **Alternative Options** – an independent assessment of the scope and estimates for the following alternative options:
 - a. Riverside Pond comprising 500,000m³ storage and 4,000m³/day supply;
 - b. Riverside Pond comprising 800,000m³ storage and 13,000m³/day supply;
 - c. Motueka Aquifer to Mapua 5,900m³/day supply.
 3. **Assess Other alternatives** – a summary of the alternatives, including advantages and disadvantages as outlined in the MWH Report July 2015. This will include specific commentary around;
 - a. Managed Aquifer Recharge System (MARS)
 - b. The option of weirs in the Waimea River;
 - c. Domestic water storage tanks
 4. **Industrial/Residential/Commercial Demand** – some detail on the historical demand for water from within each sector.
 5. **Levels of service/future growth/today's needs** – some detail on the impacts to levels of service today and into the future with the predicted growth
 6. **Unaccounted for Water** – some commentary around quantum and what Council has done and is doing to reduce this aspect of demand.
 7. **Long Term Plan Implications** – some commentary around statutory requirement if and when the LTP needs amending.
 8. **Nelson City Council** – details on Nelson City Council intentions for upgrading its water supply upgrade and reticulation links to Nelson South.
 9. **Aspects of the Dam Project** – requiring some detail around the following aspects of the dam project;
 - a. How debris/detritus is being dealt with;
 - b. The geology of the lake footprint and potential leakage;
 - c. Sediment/silting of the reservoir over time
 10. **Elasticity of demand** – some commentary around the link between the cost of water and demand.
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