NZ Battery Project

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Objectives

• Investigate options to resolve New Zealand’s ‘dry year risk’ problem in a highly renewable electricity system
• Sits within the context of Government’s 100% renewable electricity and net zero carbon goals
• Takes forward Interim Climate Change Committee recommendation to investigate pumped hydro
• Assess viability of pumped hydro as part of the Project’s primary objective, and consider this against viable alternative technologies
PHASE 1
April/May 2022
A feasibility study and preliminary field work to identify viable energy storage options

PHASE 2
Late 2023/early 2024*
Detailed engineering design and field work, leading to a final investment decision

PHASE 3
Early 2024 onwards
Construction

*If Lake Onslow is feasible and is the option chosen.

= Key Cabinet decision point
## Phase 1 key workstreams

### Lake Onslow Pumped Hydro
- Environmental assessment: desktop work underway, fieldwork planned
- Hydrological and ecological modelling: planned
- Engineering and geotechnical investigation: desktop and field work planned

### Other Pumped Hydro
- Identify other pumped hydro options: underway
- Assessment and evaluation of other pumped hydro options: planned

### Other Comparators
- Long-listing of comparator technologies: underway
- Short listing: planned
- Detailed studies of viable alternatives: planned
For more information:
Contact us at nzbattery@mbie.govt.nz or visit
www.mbie.govt.nz