

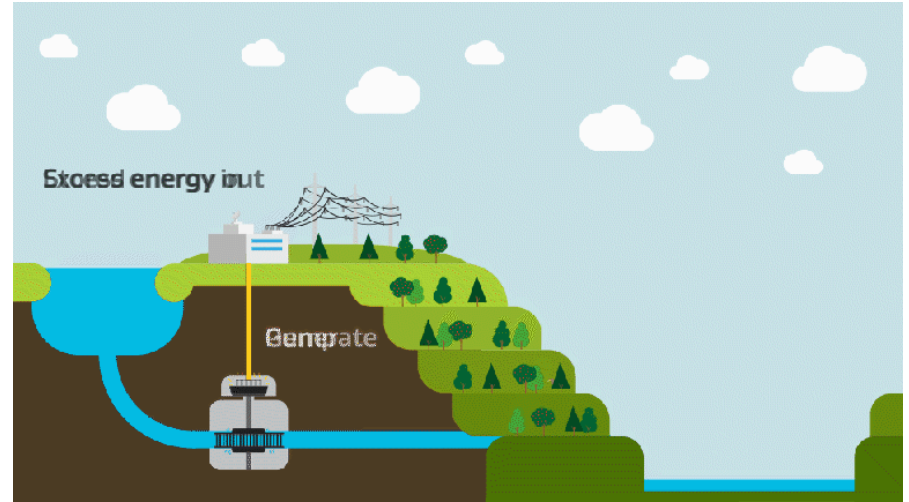
NZ Battery Project

Phillippa Fox

General Manager Energy and Resource Markets

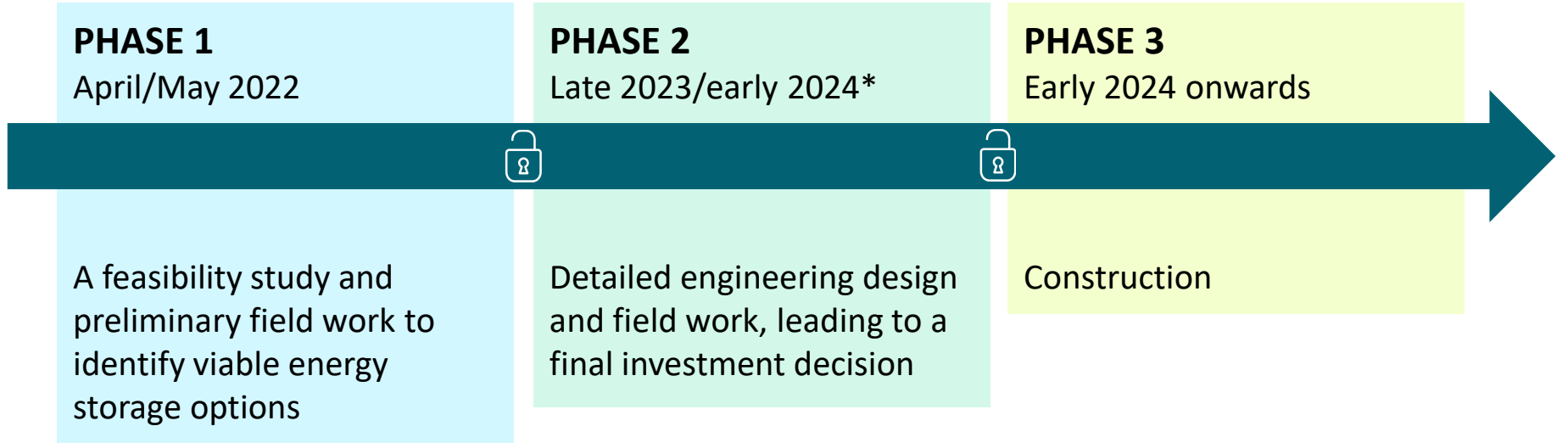
Objectives

- 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





Timeline



*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