



Bow River Basin Update on Flood Resilience and Mitigation Initiatives to CRCAG AGM

Carcey Hincz

Executive Director, Environmental Knowledge & Prediction

Environment and Parks

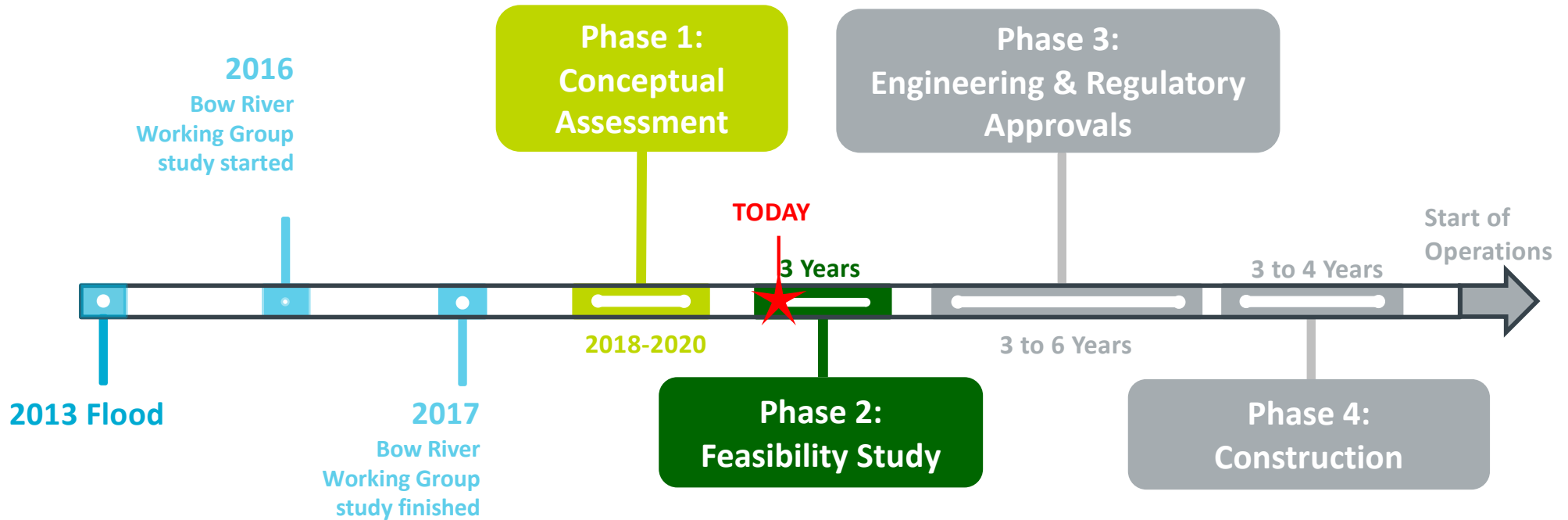
Alberta 

Updates on

- Bow River Reservoir Options
- Provincial Flood Inundation Studies

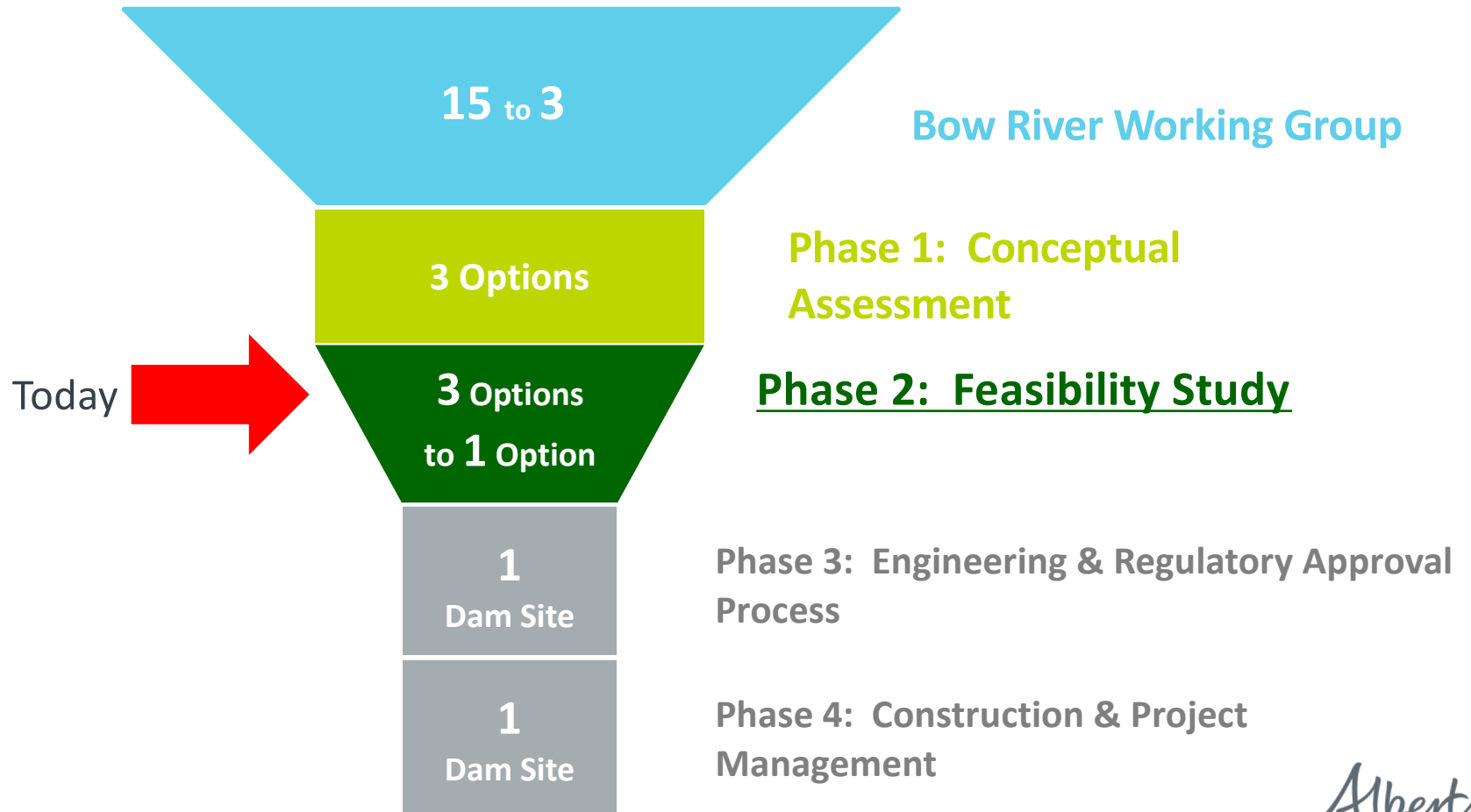
Bow River Reservoir Options

Overall Bow River Reservoir Timeline

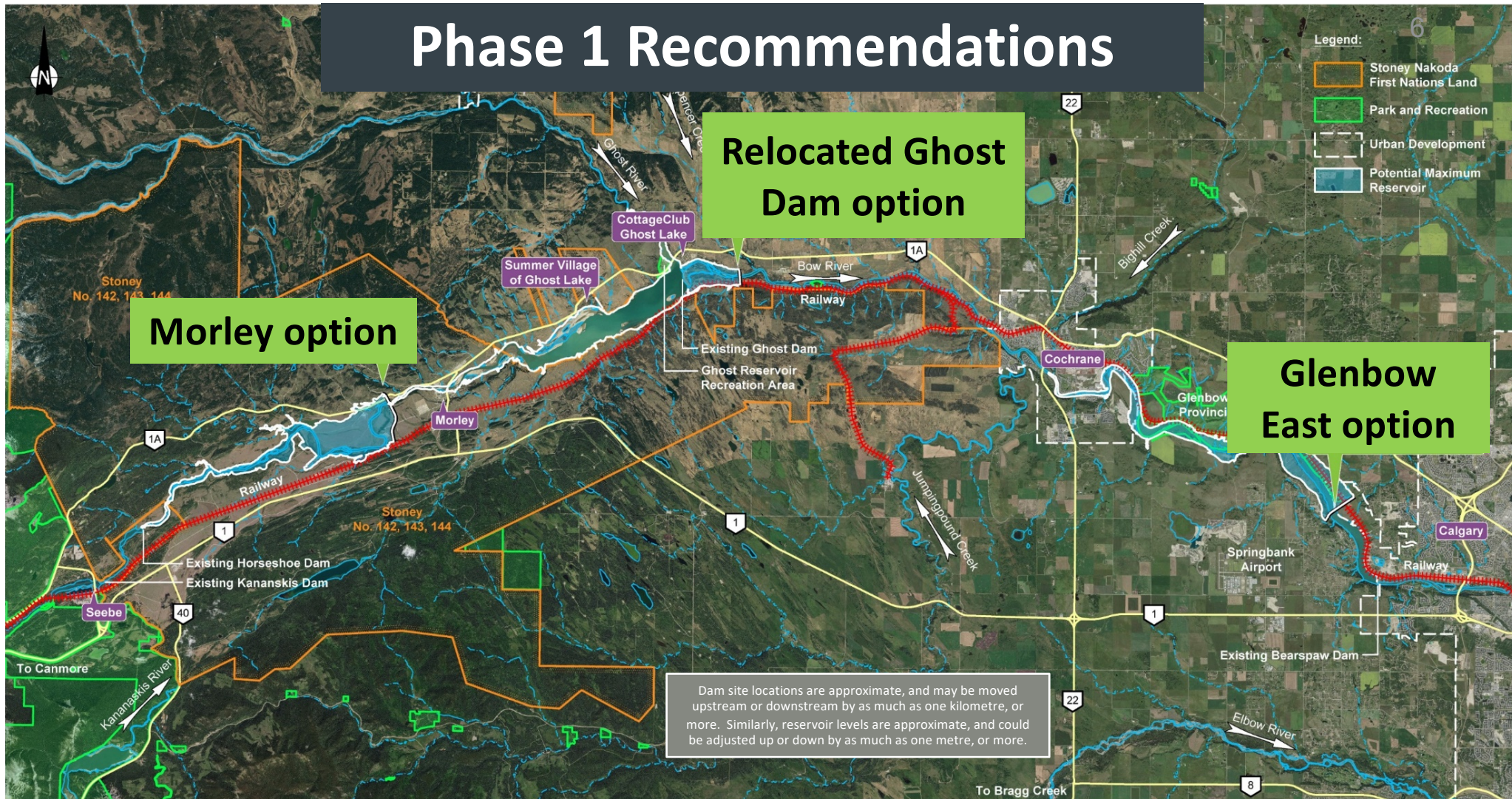


At the end of each phase, the Government of Alberta will decide if the project will proceed to the next phase.

BRRO Winnowing Process



Phase 1 Recommendations



Since last year's AGM

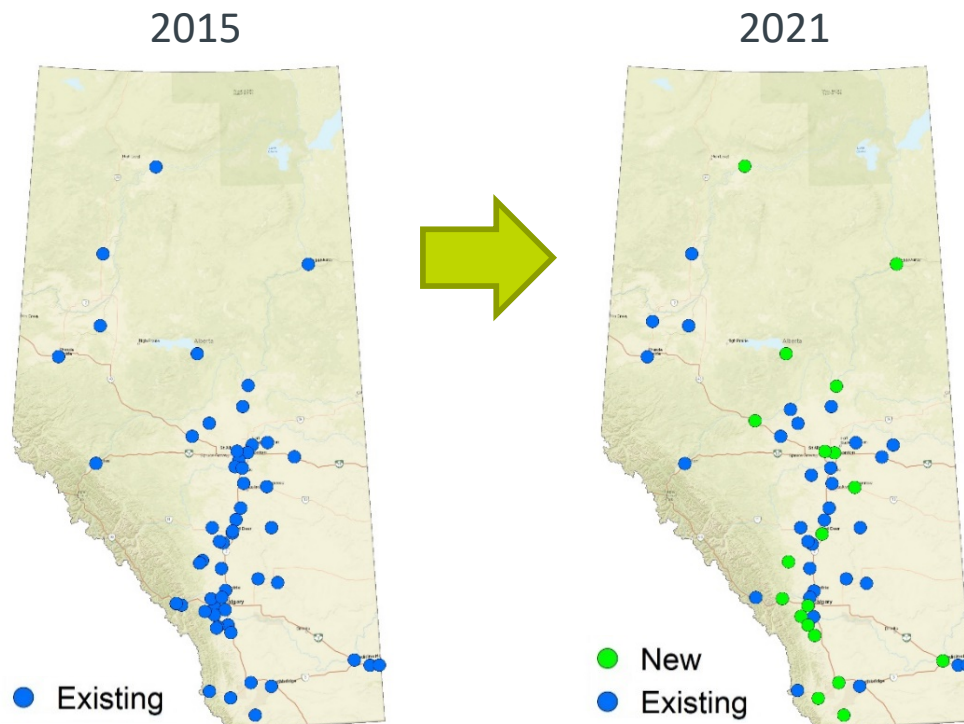
- Phase 1 (Conceptual Assessment) completed
 - Public engagement in Calgary, Cochrane
 - Feedback incorporated into final report
 - Final report released in August 2020
- Phase 2 (Feasibility Study) started
 - RFP scoped, issued
 - Vendor contract being finalised

Feasibility Study Scope – ends March 2023

- Drilling program and field work
- Option optimization
- Exploration of alternatives
- Risk and cost analysis
- Continued engagement
- Deliverable:
Recommendation of the preferred option to proceed to final design and regulatory approval (Phase 3)

Provincial Flood Studies

Flood mapping across Alberta



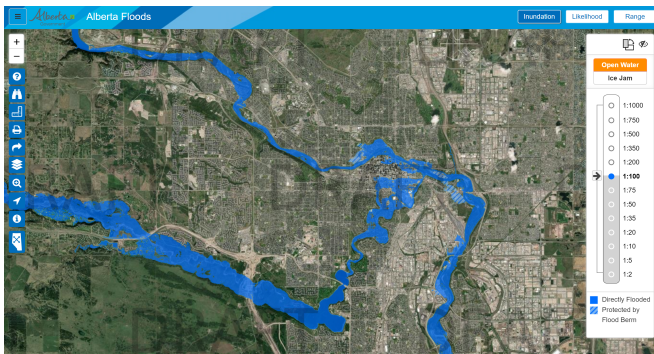
- 60+ studies in 2015
 - 1,200 km of mapping
 - 100+ municipalities
- 21 new studies since 2015
 - Replace 29 existing studies
 - 60+ municipalities
 - 5 First Nations
- 1,500 km of new mapping
 - 600 km of updated maps
 - 900 km of maps in areas never mapped before

Calgary flood mapping



Bow and Elbow River Flood Study

- Technical work completed in fall 2018
 - Revisions in fall 2020 to address municipal feedback, including adding the Zoo Barrier
- Public engagement for draft flood inundation maps until January 15, 2021
 - Focus on draft flood inundation maps that support local emergency response
 - Planning future engagement on draft flood hazard maps that define floodways next year



Flood mitigation and next steps

- Working with the City of Calgary to update draft maps to include new and future flood berms
 - Goal is to add new flood berms as soon as possible
- Working out details on how to best reflect protection from future flood mitigation dams and reservoirs
 - Issue of most concern for flood hazard maps
 - Springbank Off-stream Reservoir on the Elbow River and future infrastructure that may be built on the Bow River

Thank you

