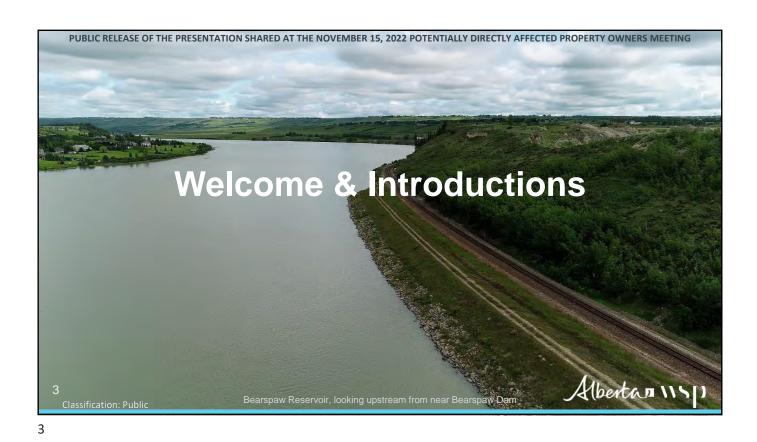


Traditional Lands Acknowledgement

Classification: Public

Clenbow Ranch Provincial Park, looking upstream



Invited to This Meeting

- 1. Own land that could be impacted by reservoir inundation and/or dam construction:
 - a) Residence (house/cabin)
 - b) Could be intended for development and the whole parcel would be flooded
 - c) Industrial or agricultural infrastructure
- 2. Representatives of communities that have directly experienced existing reservoir operational effects.

Classification: Public

Morley Option

- Discussions between EPA and Stoney Nakoda First Nations are progressing
- Out of respect for those progressing discussions, this meeting will only speak to Relocated Ghost Dam and Glenbow East options

b Classification: Public Albertan 115/1

5

PUBLIC RELEASE OF THE PRESENTATION SHARED AT THE NOVEMBER 15, 2022 POTENTIALLY DIRECTLY AFFECTED PROPERTY OWNERS MEETING

Meeting Objectives

- Open the lines of communication with potentially directly affected property owners
- Provide an opportunity for information sharing between potentially directly affected property owners and Alberta Environment and Publicreas
- Gain a more in-depth understanding of potentially directly affected property owner concerns
- Discuss potential impacts, challenges and benefits related to the BRRO initiative

Classification: Public

Agenda

- Opening Remarks / Introductions
- Hopes & Concerns
- Project Update
- Dam & Reservoir Operations
- Impacts, Challenges & Benefits
- Wrap-up, Next Steps & Closing Remarks

Classification: Public

7

Albertan 115/1

PUBLIC RELEASE OF THE PRESENTATION SHARED AT THE NOVEMBER 15, 2022 POTENTIALLY DIRECTLY AFFECTED PROPERTY OWNERS MEETING

Discussion Guidelines

- Respect is the key be respectful to other participants & staff
- Each person gets a chance to talk
- Speak for yourself let others speak for themselves
- All points of view are welcome and lively discussion is encouraged
- Respect all opinions even if you disagree
- The sessions will not be recorded by staff or participants so that everyone can speak freely

Classification: Public

Table Introductions

- Name
- Where you live
- What do you enjoy about fall in your area?

9

Classification: Public

Albertan 115/1

9

PUBLIC RELEASE OF THE PRESENTATION SHARED AT THE NOVEMBER 15, 2022 POTENTIALLY DIRECTLY AFFECTED PROPERTY OWNERS MEETING

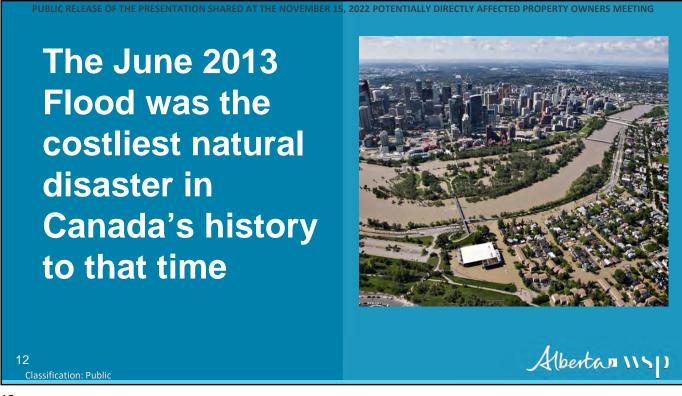
Hopes & Concerns

- What is your greatest hope for the BRRO initiative?
- What is your greatest concern for the BRRO initiative?

10

Classification: Public





Bow River Water Management

Bow River Basin Risks

- Flood
- Drought
- Climate Change Uncertainty

A strategically located dam and reservoir could store water during periods of excess flow/floods (spring freshet), thereby providing flood protection, and this stored water could be used to mitigate drought risk and improve river flow management.

13

Classification: Public

Albertan 115/1

13

PUBLIC RELEASE OF THE PRESENTATION SHARED AT THE NOVEMBER 15, 2022 POTENTIALLY DIRECTLY AFFECTED PROPERTY OWNERS MEETING

Integrated Flood Mitigation Approach

- In partnership with municipalities, the Government of Alberta is pursuing an integrated flood mitigation strategy, that relies on:
 - complementary provincial-level (i.e., reservoirs, operating agreements); and
 - municipal-level (i.e., berms, by-laws, building codes) mitigation approaches

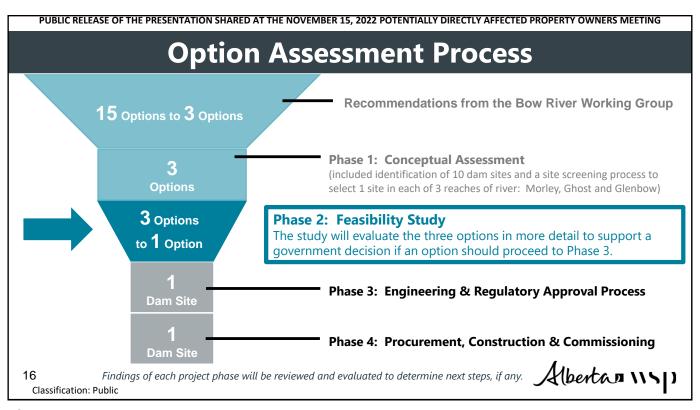
14

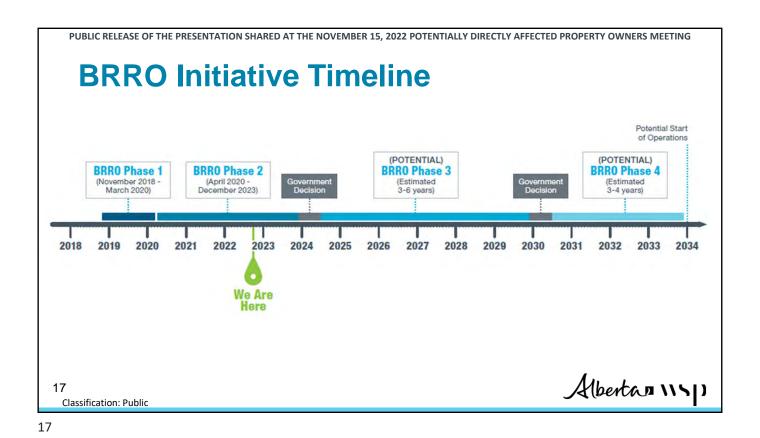
Classification: Public

Bow River Reservoir Options (BRRO) Initiative Objectives

- determine if it is in the interest of the province of Alberta to develop a new dam and reservoir project on the Bow River, located upstream of Calgary, for the purpose of flood and drought mitigation; and if so,
- 2) proceed with selection and development of a preferred site.

15 Classification: Public Albertan 115/1

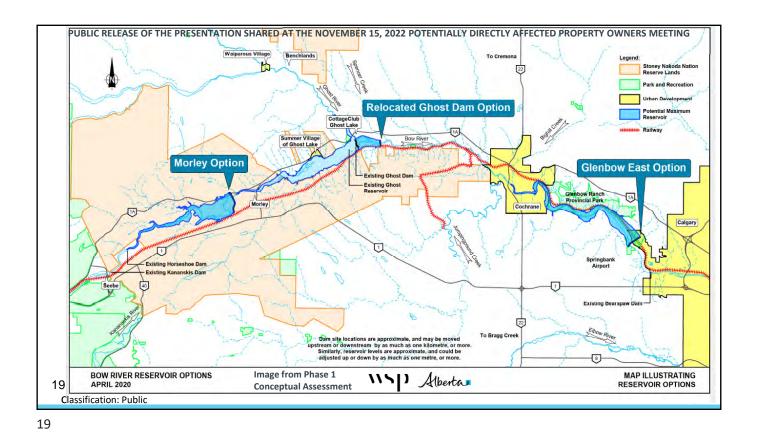




BRRO Phase 2 Feasibility Study Objectives

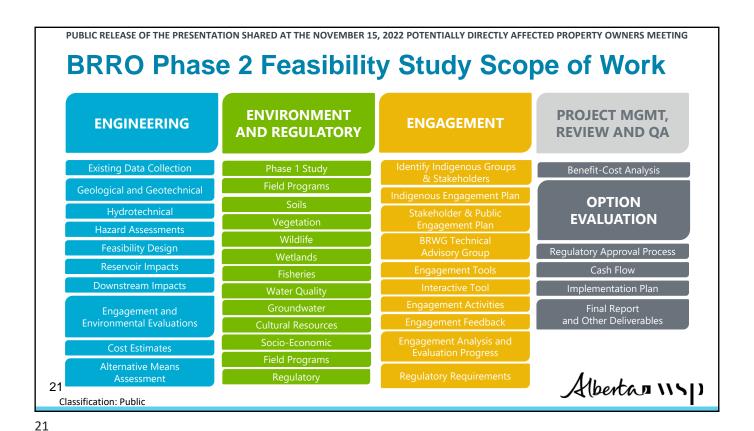
- 1) Confirm technical viability of the three previously identified options:
 - Morley Option discussions between EPA and Stoney Nakoda Nations are progressing
 - Relocated Ghost Dam option
 - Glenbow East option
- Evaluate the options to support a government decision if one of the options should proceed to Phase 3, the Engineering & Regulatory Approval Process

18 Classification: Public



PUBLIC RELEASE OF THE PRESENTATION SHARED AT THE NOVEMBER 15, 2022 POTENTIALLY DIRECTLY AFFECTED PROPERTY OWNERS MEETING **BRRO Phase 2 Feasibility Study Schedule** Field Drilling and Engineering Design Conceptual Assessment Final Report Feasibility Study Final Report Initiated Feasibility Study 2020 2021 2022 2023 Planning **Engagement Activities** Albertan 115/1 20

Classification: Public



Phase 2 Fieldwork Progress

 Thank You ... many of you attending today allowed us on your property over the past year so that we could complete engineering and/or environmental fieldwork to support the feasibility study.

22 Classification: Public

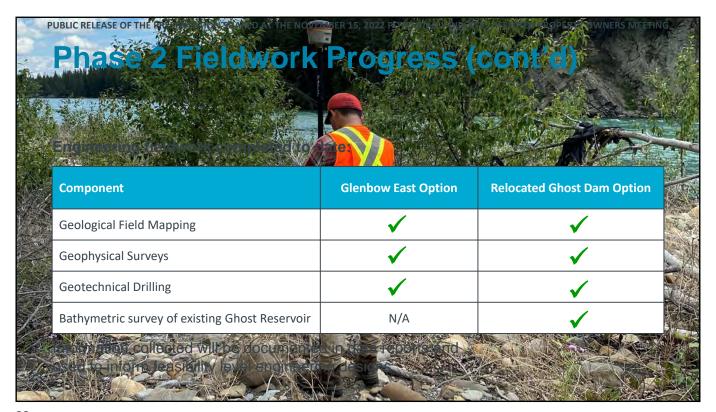


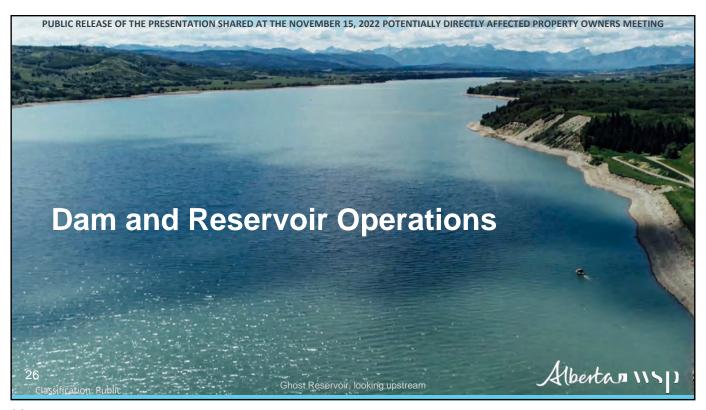


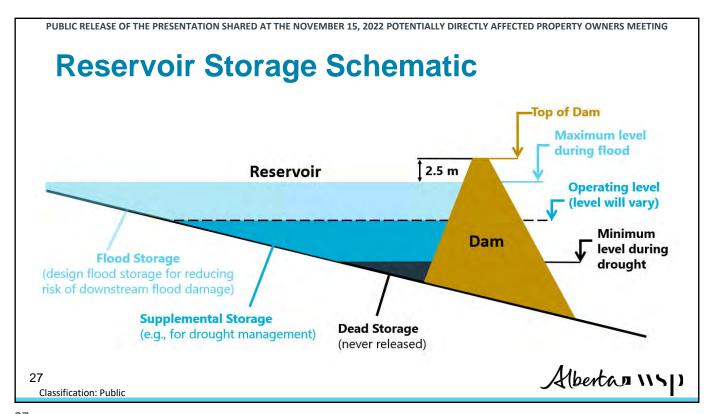
Table Discussion & Question Period

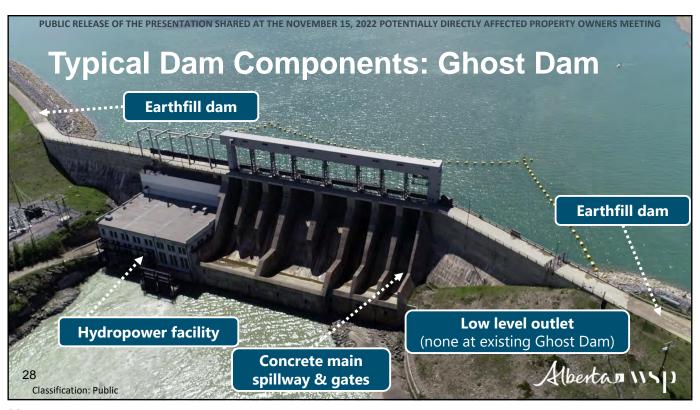
- After hearing this update, what questions come to mind?
 - Discuss at your table
 - Submit questions

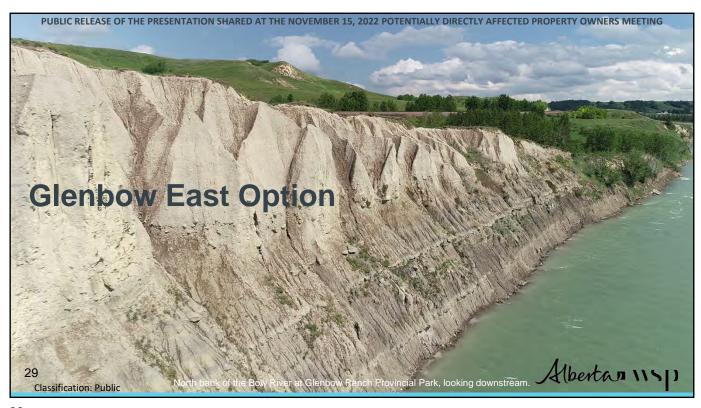
25 Classification: Public

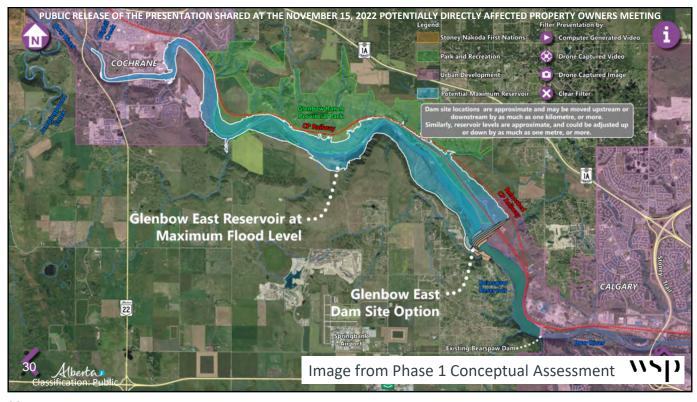
Albertan 115/1

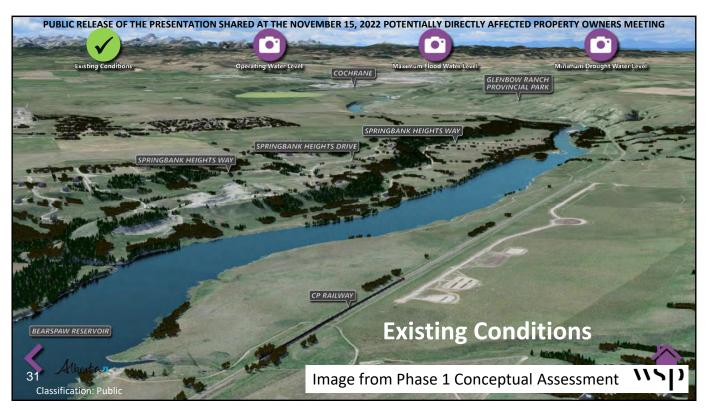


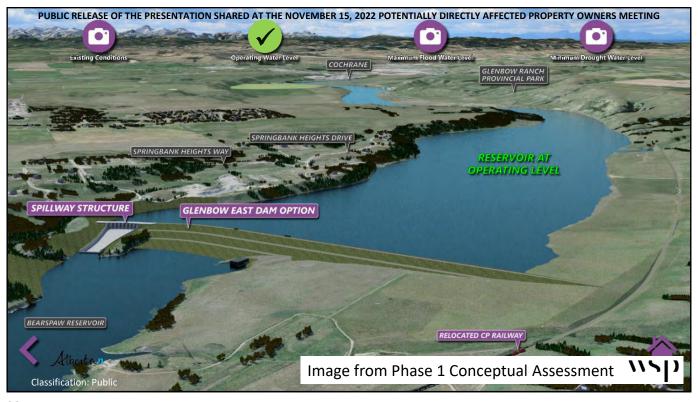


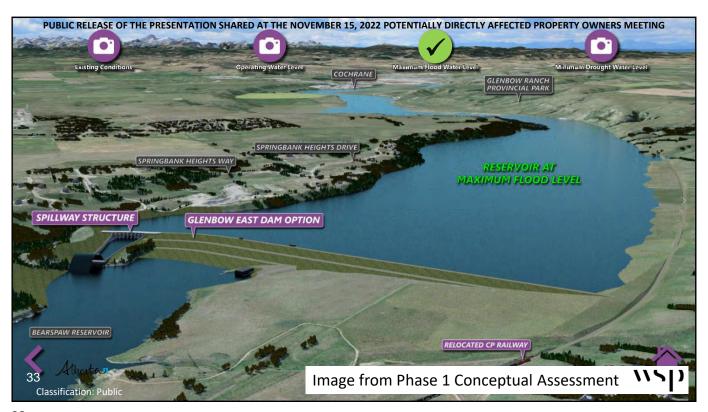


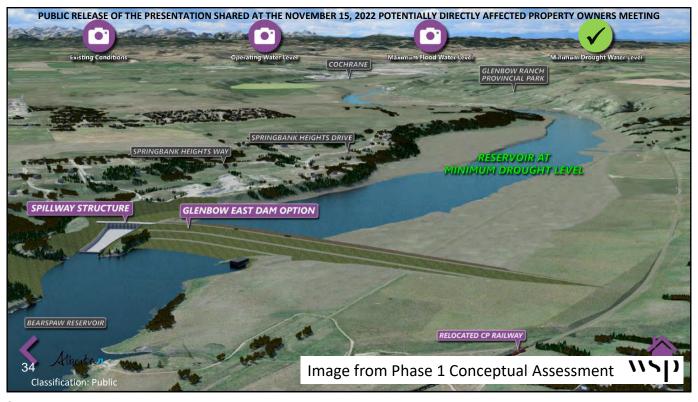


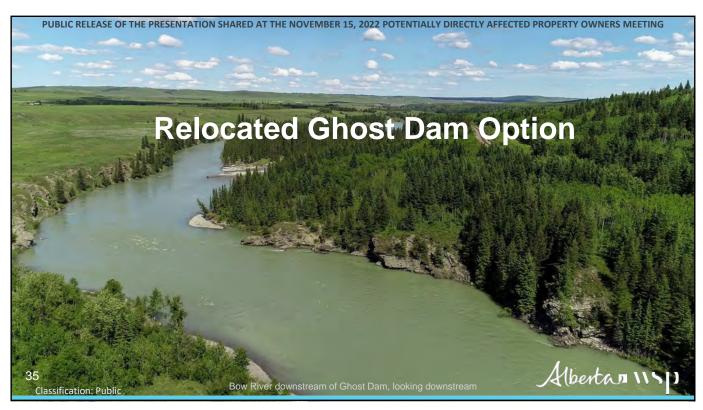


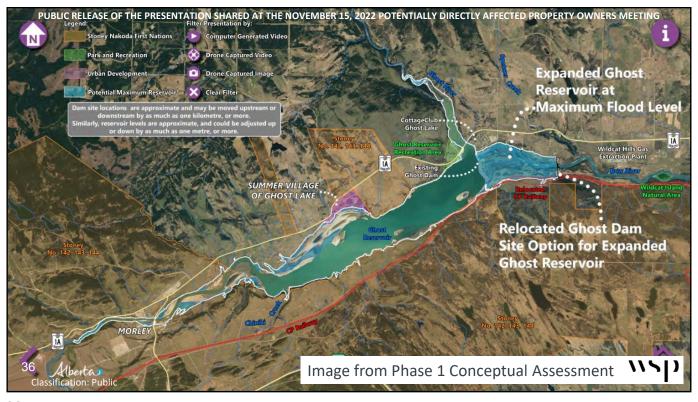


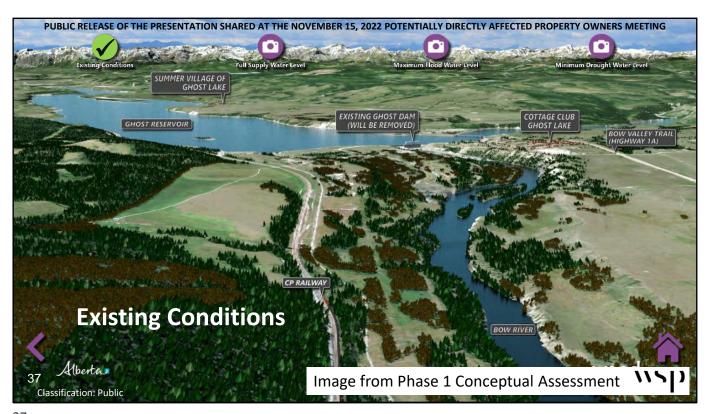


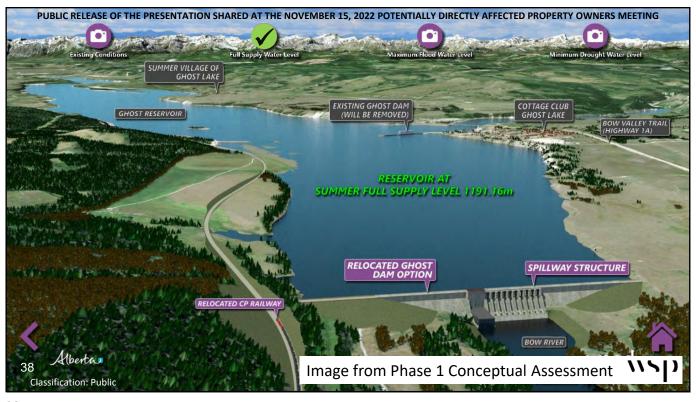














0.

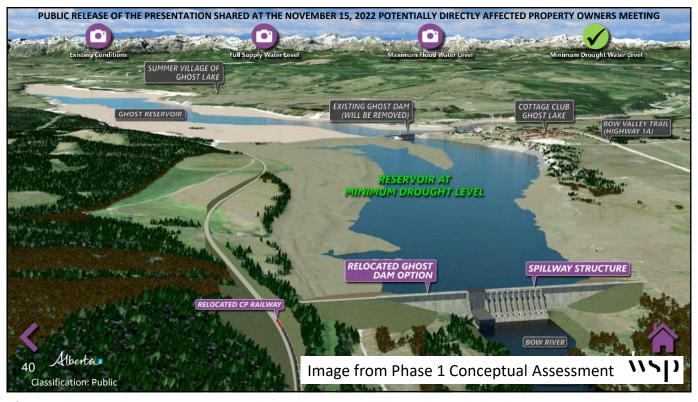
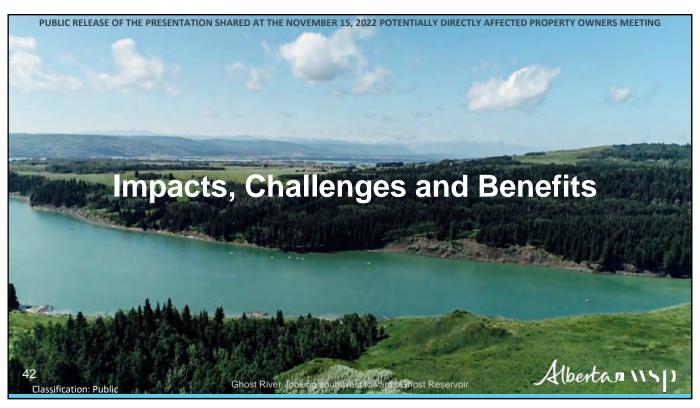


Table Discussion & Question Period

- What questions do you still have about dam and reservoir operations?
 - Discuss at your table
 - Submit questions

41
Classification: Public

Albertan 115/1



Glenbow East Option – Key Impacts and Challenges

ENGINEERING

- · Requires relocation of the CP railway
- Within footprint of existing Bearspaw Dam reservoir
- City of Calgary water intakes are located within Bearspaw Reservoir
- CP Rail slope stability

ENVIRONMENT

- Glenbow Ranch Provincial Park impacts
- Bearspaw Legacy Park impacts
- City of Calgary's Haskayne Park impacts
- The Great Trail (formerly Trans Canada Trail) impacts

PEOPLE

- Impacts homes in **Springbank Heights** community
- Future Cochrane developments will be constrained by reservoir size

43

Classification: Public

Albertan 1151)

43

PUBLIC RELEASE OF THE PRESENTATION SHARED AT THE NOVEMBER 15, 2022 POTENTIALLY DIRECTLY AFFECTED PROPERTY OWNERS MEETING

Relocated Ghost Dam Option – Key Impacts and Challenges

ENGINEERING

- the CP railway
- Requires decommissioning of existing Ghost Dam
- CottageClub Ghost Lake development slope stability assessment

ENVIRONMENT

- Requires relocation of
 Respect the traditional
 Impacts homes between lands of Stoney Nakoda **Nations**
 - Along south side
 - Upstream constraint
 - Potential **Ghost Reservoir** Recreation Area impacts

PEOPLE

- existing and new dam site
- Potential impacts to two communities:
 - Summer Village of Ghost Lake; and
 - CottageClub Ghost Lake

... and to existing Ghost Reservoir recreational use

Classification: Public

Albertan 1151)

Potential Key Benefits

- Recap from earlier
 - Water management (flood & drought), and river flow
 - Climate change resilience
 - Future Bow River basin population growth resilience
 - Recreational opportunities

45 Classification: Public

Albertan 115/1

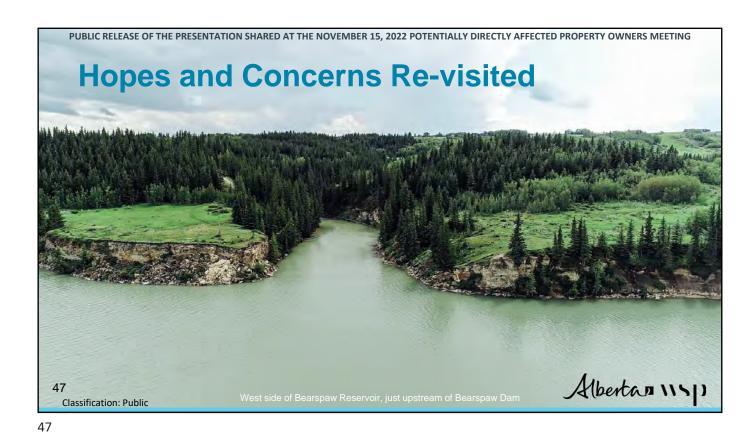
45

PUBLIC RELEASE OF THE PRESENTATION SHARED AT THE NOVEMBER 15, 2022 POTENTIALLY DIRECTLY AFFECTED PROPERTY OWNERS MEETING

Table Discussion & Question Period

- Given where we are in the feasibility study, what questions do you still have about impacts, challenges and benefits?
 - Discuss at your table
 - Submit questions

46 Classification: Public Albertan (15/1)



Staying Engaged

Initiative website (interactive tool, Phase 1 final report, etc.): https://www.alberta.ca/bow-river-reservoir-options.aspx

Telephone: 310-3773 (toll free)

E-mail: aep.bowbasin@gov.ab.ca

Sign up for the eNewsletter on the initiative website

48 Classification: Public

