



Chehalis Basin Board

August 3, 2023





LAND ALTERNATIVE NEXT STEPS

August 3, 2023

PRESENTATION OBJECTIVES

- Request for Board direction on recommended next steps to refine several elements identified through LAND process:
 - LAND Infrastructure Elements Alternatives Analysis
 - Update Structures Database
 - Review of Local Jurisdiction Comprehensive Plans and Development Codes
- Provide update on the recent 7/13 LAND Steering Group meeting and discuss future role of the LAND Steering Group

RELATIONSHIP TO LONG-TERM STRATEGY

- Recommended next steps to refine several elements identified through the Local Actions Non-Dam Alternative (LAND) process will support the Board's upcoming comparative evaluation, including benefit-cost analyses.

LAND INFRASTRUCTURE ELEMENTS ALTERNATIVES ANALYSIS

- Based on Board direction, staff developed scope of work to advance work related to major LAND infrastructure elements (levees, diversion/conveyance) that can be included in future RFQ.
- Staff estimates work should be completed with 12-14 months from time contractor is hired through RFQ process.
- Completing the scope will create more accurate and precise estimates at 10% design level of the cost, impacts, and benefits of LAND infrastructure alternatives, and inform comparative evaluation.

LAND INFRASTRUCTURE ELEMENTS ALTERNATIVES ANALYSIS

Major Tasks:

- 1) Project Workplan and OCB, Steering Group, and Board Coordination
- 2) Size and Location Refinement Analysis of Interrelated Structural Interventions
- 3) Desktop Review Geotechnical Risk Evaluation for the Diversion and Conveyance and Levee Options
- 4) Cultural Resources Consultation

REQUEST FOR BOARD DECISION

Do Board members support including the scope of work in a future RFQ to complete an alternatives analysis of the major infrastructure elements of the LAND Alternative to further support the Chehalis Basin Board's decision-making process on the long-term integrated strategy?

UPDATING STRUCTURES DATABASE

- Updating structures database to obtain more accurate information about potential flood-prone structures under late century 2080 flood. Information valuable regardless of what flood damage reduction alternatives are pursued.
- Updated data can be used to refine and prioritize CFAR/Safe Structures costs and inform comparative evaluation.
- Anchor QEA and WSE will already complete this work for Final EISs and potentially Skookumchuck Dam evaluation.

REQUEST FOR BOARD DECISION

Do Board members support Anchor QEA and Watershed Science and Engineering staff completing the update to the structure database, as this would already likely be required for the Final EISs and potentially for the Skookumchuck dam evaluation?

REVIEW OF LOCAL JURISDICTION COMPREHENSIVE PLANS

- A review of local jurisdiction comprehensive plans and development codes is needed to provide technical and best practice information related to floodplain management and flood damage reduction.
- Local jurisdictions are beginning their State-mandated 10-year comprehensive plan update cycle now.
- New consultant hired to support CFAR program could include this work as part of their scope.

REQUEST FOR BOARD DECISION

Do Board members support working with the new consultant hired to support the CFAR program to include a review of local jurisdiction comprehensive plans and development codes as part of their scope?

FUTURE ROLE OF LAND STEERING GROUP

- LAND Steering Group met on July 13th to discuss the future role of the Steering Group.
- Board members suggested possibility of forming a new Board sub-group to guide work of new consultant hired to do LAND infrastructure alternatives analysis.

THANK YOU!

