

MEMORANDUM

Date: October 25, 2018
To: Chehalis Basin Board
From: Andrea McNamara Doyle, Office of Chehalis Basin (OCB) Director
Re: Chehalis Basin Board Final 2019-2021 Capital Budget Recommendation of \$73.2M

Background

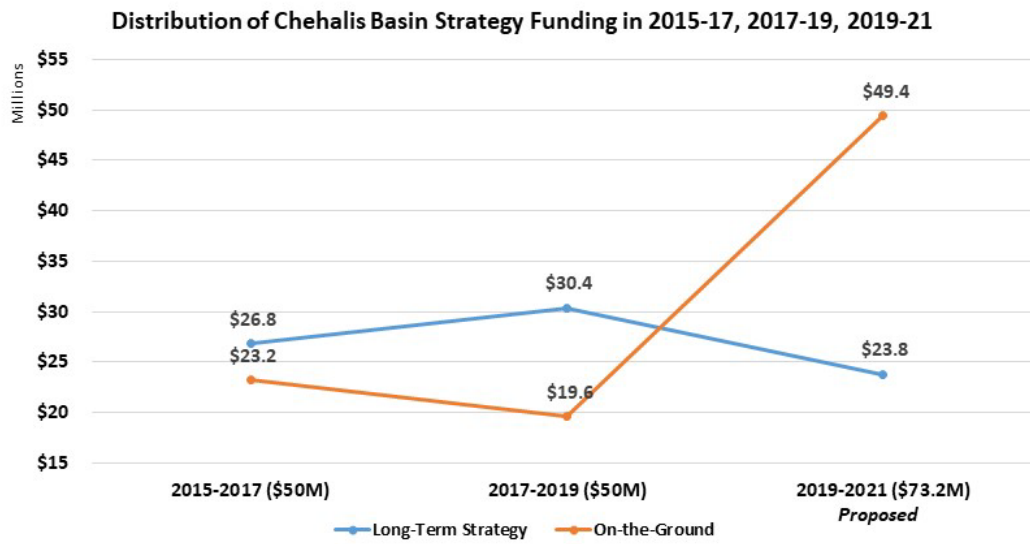
At the October 15 Chehalis Basin Board meeting, Board members agreed to recommend a \$73.2M Capital Budget appropriation in the 2019-2021 biennium to fund the on-going work of the Chehalis Basin Strategy.¹ This memorandum summarizes the Board's final budget recommendation that will be submitted to the Governor, and includes information on what would be achieved through different work elements.

Final 2019-2021 Budget Recommendation

The Board recommends a \$73.2M Capital Budget appropriation in 2019-2021, which includes \$49.4M for near-term, on-the-ground actions and \$23.8M for advancing the Long-Term Capital Strategy. This recommended budget represents an increase in overall funding for on-the-ground projects and a decrease in overall funding for advancing the Long-Term Capital Strategy, when compared with the current 2017-2019 budget and in previous biennia.

¹ The Chehalis Basin Board voting members participating in the budget recommendation deliberations included:

- Edna Fund, Chehalis River Basin Flood Authority
- Jay Gordon, Chehalis River Basin Flood Authority
- Tyson Johnston, Quinault Indian Nation
- Steve Malloch, Office of the Governor
- Harry Pickernell, Confederated Tribes of the Chehalis Reservation
- Vickie Raines, Chair, Chehalis River Basin Flood Authority
- J. Vander Stoep, Office of the Governor



Capital Budget Elements

The recommended 2019-2021 budget elements are summarized in the table below.

| BUDGET ELEMENT | 2019-2021 |
|---|--------------------------|
| ADVANCING THE LONG-TERM CAPITAL STRATEGY | |
| Core OCB Staff | (Operating) ¹ |
| Overall Participation | \$4.9M |
| Development of Long-Term Strategy | \$600K |
| Continued Development of ASRP | \$5.35M |
| Restorative Flood Protection | (CFAR) ² |
| SEPA/NEPA EIS for Flood Retention Facility/Airport Levee | \$12.5M |
| Forest Practices Analysis | \$445K |
| <i>Sub-Total</i> | <i>\$23.8M</i> |
| ON-THE-GROUND ACTIONS | |
| ASRP Implementation | \$32.65M ³ |
| Aberdeen/Hoquiam North Shore Levee | \$10M |
| Floodproofing/Floodplain Management - Community Flood Assistance & Resilience (CFAR) Program | \$3M |
| Local Projects | \$3.8M |
| <i>Sub-Total</i> | <i>\$49.4M</i> |
| TOTAL | \$73.2M |

¹ \$1.5M for OCB Core Staff funding is included in Ecology's Operating Budget request.

² Future funding to address restorative flood protection (RFP) recommendations informed by the RFP feasibility study are included in floodproofing and CFAR program.

³ OCB staff expect to continue seeking authorization for federal funding for ASRP habitat projects.

Near-Term On-the-Ground Actions

This section describes the anticipated work to be completed in 2019-2021 for major work elements related to near-term, on-the-ground actions.

ASRP Implementation (\$32.65M)

- Construct up to five early-action reach sub-basin projects (1-2 miles each).
- Construct next phase of barrier removal design/construction projects.
- Continue landowner outreach, and associated agency and contractor staffing needs, including the US Army Corps of Engineers.
- Implement targeted native aquatic species actions.
- Design up to five new reach scale projects.
- Permanently conserve key parcels within the reach-scale project sites through acquisition or easements.

Aberdeen/Hoquiam North Shore Levee (\$10M)

- Complete right-of-way property acquisition, permit fees, and first phase of internal drainage improvements associated with North Shore Levee construction.
- Construct new pump station for Aberdeen Fry Creek Restoration & Flood Reduction project.

Floodproofing/Floodplain Management – Community Flood Assistance and Resilience (CFAR) Program (\$3M)

- Begin implementation of CFAR Program developed in 2017-19 to provide technical assistance and coordination with local governments and landowners on community flood assistance and resilience program and land use management improvements.
- Provide funds to local jurisdictions for priority property protection actions that are consistent with locally adopted flood damage reduction strategies.
- Incorporate channel migration zone and high hazard area assessments within the scope and budget directed by the Board.

Local Projects (\$3.8M)

- Design and construction of Chehalis River Basin Flood Authority's recommended 2019-2021 local project submittals. The eight projects include:
 1. City of Aberdeen -- Fry Creek Flood Restoration & Flood Reduction (Phase IIb, New Pump Station)
 2. City of Centralia -- China Creek Flood and Habitat Mitigation (Phase 2)
 3. City of Hoquiam -- Northshore Levee (West Segment)
 4. City of Chehalis -- Flood Storage and Habitat Enhancement Master Plan (Phase II)

5. Grays Harbor County -- Keys Road Flood Protection
6. Port of Chehalis -- Berwick Creek Flood Reduction, Restoration
7. Chehalis River Basin Flood Control Zone District -- Chehalis River Basin Comprehensive Flood Hazard Management Plan
8. Thurston County -- Weather and Stream Flood Hazard Monitoring Telemetry

Advancing the Long-Term Capital Strategy

This section describes the anticipated work to be completed in 2019-2021 for major work elements related to advancing the Long-Term Capital Strategy.

Overall Participation (\$4.9M)

- Agency and tribal staff time needed for overall project management, budget management/administration, attending meetings and workshops, time to engage staff with particular expertise, inter-agency coordination, and coordination with outside agencies.
- Public involvement and outreach for all actions and activities under the Chehalis Basin Strategy.

Development of Long-Term Strategy (\$600K)

- Develop long-term strategy assessment report to inform the Chehalis Basin Board's deliberations on a long-term Chehalis Basin Strategy for funding and implementation.

Continued Development of ASRP (\$5.35M)

- Continued participation and coordination of the ASRP Steering Committee and Science Review Team.
- Conduct public review of the ASRP and revise based on public comments and direction from the Chehalis Basin Board and ASRP Steering Committee.
- Prepare a detailed near-term implementation plan.
- Refine models informing the ASRP.
- Conduct pre-construction baseline monitoring to address critical data gaps needed to improve effectiveness of ASRP actions:
 - Abundance/distribution of chum salmon
 - Beaver occupancy and distribution
 - Ecology of non-native fish
 - Habitat survey spot checks
 - Native fish occupancy
 - Smolt production
 - Spawner abundance
 - Western ridge mussels

- Develop post-construction monitoring and adaptive management plan.

SEPA/NEPA EIS for Flood Retention Facility/Airport Levee (\$12.5M)

- Complete draft and final project-level EISs under SEPA and NEPA and identify preliminary mitigation requirements.
- Complete baseline and pre-construction monitoring needs specific to water quality, and salmon and other aquatic species.
- Complete Doty Hills Fault study.
- Continue staffing support for Chehalis River Basin Flood Control Zone District and US Army Corps of Engineers.

Forest Practices Analysis (\$445K)

- Complete second phase of evaluating the relationship between contemporary forest practices and streamflow in the Basin.

Next Steps

The OCB Director and three Board members are scheduled to brief the Governor's Chief of Staff and Office of Financial Management (OFM) Budget Director on October 29. Additional briefings for legislators and legislative staff will be arranged in the coming weeks and throughout the legislative session as needed.