



Chehalis River Basin

Flood Control Zone District

Erik P. Martin, P.E., District Administrator

*351 NW North St
Chehalis, WA 98532-1900*

June 21, 2021

Chehalis Basin Board

Andrea McNamara Doyle, Director

Office of the Chehalis Basin

RE: '21 – '23 Biennium Budget – Additional Information

The Office of the Chehalis Basins (OCB) has requested more information on the Flood Control Zone District's (the District) proposed 2021-23 biennium capital budget that is part of the OCB's 2021-23 budget for the overall Chehalis Basin Strategy. The District has prepared the attached table to provide the requested information. Contemporaneously, the Quinault Indian Nation submitted a letter to the OCB (June 7, 2021) listing 23 budget items in the OCB budget about which they requested further clarification regarding the scope and purpose of the expenditures. The attached table is organized to respond to the OCB's request and incorporates responses to the 23 items listed in the Quinault Nation letter. For each item the table lists the budget amount, the agency or agencies requesting the information, the purpose of the information and a summary description of the work to be performed.

The tasks listed were developed in consultation with the listed agencies to provide additional project description and avoidance, minimization and mitigation information to assist the agencies in responding to comments on the Draft EISs as they prepare the Final SEPA and NEPA EISs. The District's budget has been designed to provide the best information possible within a reasonable timeframe for incorporation into the final EIS's. Work items that are not expressly intended to support preparation of the Final EISs are noted as such in the table. The specific information requests from DOE and USACE are also included as attachments to this letter for information and transparency.

Sean D. Swope
Chair

Gary Stamper
Vice Chair

Lindsey R. Pollock, DVM
Member

Table 1 – Additional Info for Items Highlighted in 06-07-21 Letter from Quinault Indian Nation

#	Agency / Organization	Task Description	Budget – High (\$)	Requesting Agency and Reasoning	Reference #	Description of Work to be Performed	Timeframe
36	FCZD / HDR FEIS/AMM support	Land Conversion Procedure	\$10,000	DOE, DNR and USACE; Updated information would affect land use analysis and findings	#7	This work will develop an approach for conversion of lands needed for the project. Issues that will be addressed include timing for conversion, approach for compliance with all applicable regulatory agencies, and approach to managing sensitive features under the critical areas ordinances and ecological functions identified in forest practices rules.	Will be developed for submission as part of FEISs
37	FCZD / HDR FEIS/AMM support	Confirm State Site Location Decision	\$50,000	DOE and USACE; This would inform alternatives analysis and cultural resources analysis	#6	This work will support rationale for selecting current site of FRE, information on any other feasible sites for the FRE, and information on other avoidance or minimization measures related to cultural resource impacts.	Will be developed for submission as part of FEISs
39	FCZD / HDR FEIS/AMM support	Recreation Plan	\$20,000	DOE and USACE; This information would inform recreation analysis	#16	This work will clarify the intent to provide recreational opportunities within lands that are associated with the proposed project to avoid and minimize recreation impacts. This task will summarize information about existing recreational use and clarify assumptions regarding future recreational use of the area following construction of the FRE facility.	Will be developed for submission as part of FEISs
41	FCZD / HDR FEIS/AMM support	Temporary Construction Facilities/Quarry Operations	\$110,000	DOE and USACE; This information would inform air quality and transportation analyses	#10	This work will develop additional project description information regarding the location and extent of the temporary construction facilities, construction equipment and equipment operations to refine impact assessments. It will also provide further refinement to the assumptions for the quarry site location and extent of quarry development and operations during construction.	Will be developed for submission as part of FEISs
42	FCZD / HDR FEIS/AMM support	Retention Facility Operations	\$80,000	Recommended by FCZD for consideration; This information would inform multiple resources, including water, earth, wildlife, fish, and land use and for the geomorphology model		This work will create a proposed plan for development of project operations manual and protocols. A thorough and detailed operations manual and protocols will not be completed at this stage but will continue to develop throughout the design and permitting stages of the project.	Will be developed for submission as part of FEISs
43	FCZD / HDR FEIS/AMM support	Update Air Quality Mitigation Commitment	\$ 5,000	DOE; This information would inform air quality analysis	#13	This work will review and update as necessary the Districts commitment to avoid and minimize air quality impacts by avoiding practices such as burning cleared vegetation use of electrified equipment and other measures.	Will be developed for submission as part of FEISs
45	FCZD / HDR FEIS/AMM support	Update Pe Ell Water supply pipeline engineering assessment commitment	\$ 5,000	DOE and USACE; This information would inform public services analysis	#14	This task will review and update as necessary the Districts commitment to assess and update Pe Ell water supply to avoid negative impacts to Pe Ell.	Will be developed for submission as part of FEISs
52	Ecology	Preliminary engineering (dam safety)	\$120,000	NA	NA	This budget item is for the Department of Ecology and we will defer to them to comment on the intended work scope	

53	FCZD	FEIS Engineering/Permitting Management	\$600,000	NA	NA	This task is for required ongoing contractor/consultant project management and coordination with the District and other parties.	Work will proceed concurrently with FEIS process
54	WDFW	Preliminary engineering (fish passage)	\$106,461	NA	NA	This budget item is for the Department of Fish and Wildlife and we will defer to them to comment on the intended work scope	
56	FCZD / HDR Engineering	Airport Levee Phase 2	\$120,000	DOE and USACE; This would inform alternatives analysis and cultural resources analysis	#8	This work will clarify how the levee will be constructed to avoiding and/or minimizing impacts to jurisdictional wetlands.	Will be developed for submission as part of FEISs
57	FCZD / HDR Engineering	Conceptual Construction Fish Passage Design	\$150,000	DOE and USACE; This would be used to determine the survivability parameter in fish models.	#3	This work will perform an alternative analysis and recommend a preferred alternative; to develop a description of a likely preferred temporary fish passage alternative and develop justification for fish passage performance rates during construction.	Will be developed for submission as part of FEISs
58	FCZD / HDR Engineering	Access Roads	\$60,000	DOE and USACE; This information would inform transportation, land use, fish, wildlife, habitat, earth, and wetlands analyses	#9	This work will further define the project description related to permanent and temporary access roads in and around the FRE site and reservoir area. Locations of existing roads, potential for new roads, road usage and type, and materials needed will be among the information developed.	Will be developed for submission as part of FEISs
59	FCZD / HDR Engineering	Power/Transmission Lines	\$60,000	DOE and USACE; This information would inform land use and habitat analyses	#11	Options for providing power to the site include above ground or below ground distribution lines. This work will further refine project description options for power transmission and power facilities for providing power for construction and operation of the FRE facility	Will be developed for submission as part of FEISs
61	FCZD / HDR Engineering	Engineering Input to Draft HPA Permit Application	\$50,000	NA	NA	The preparation of the HPA permit is scheduled to occur after the Final EIS's are completed and further work is authorized to move forward with the FRE project by OCB.	Work will begin after completion of FEISs
63	FCZD / KA mitigation	Mitigation Site Identification/Design/Land Owner Agreements	\$1,200,000	DOE, WDFW and USACE; The information would inform air quality, land use, earth, fish and aquatic habitat, wetlands, wildlife and transportation analyses.	#15	This work responds to the WDFW's request to provide further information to assess the feasibility of avoidance, minimization and mitigation of aquatic impacts by developing a list of willing landowners of properties that are potential mitigation sites and to identify project types that are feasible at those sites.	Will be developed for submission as part of FEISs
65	FCZD / KA mitigation	Prepare preliminary draft HPA Permit application	\$120,000	NA	NA	The preparation of the HPA permit is scheduled to occur after the Final EIS's are completed, and further work is authorized to move forward with the FRE project by OCB.	Work will begin after completion of FEISs
66	FCZD / Land Acquisition	Land Valuation Coordination	\$250,000	NA	NA	This work will be done in coordination with project site land owners to obtain independent valuation of timber/land resources of the proposed project site and temporary reservoir area.	Work will begin after completion of FEISs
67	FCZD / Land Acquisition	Land Option Agreement Negotiation	\$310,000	NA	NA	This work will include negotiations with land owners and preparation of agreements for access to the property prior to purchase to undertake studies required for permitting that must be initiated during the final design and permitting phase.	Work will begin after completion of FEISs

68	FCZD / Land Acquisition	Land Option Payment	\$1,800,000	NA	NA	The option payment to land owner will be to obtain access during project permitting for more detailed collection of site information in support of required permit applications.	Work will begin after completion of FEISs
70	FCZD / Mitigation demonstration (KA)	Implement Hyporheic Exchange Enhancement Demonstration	\$560,000	DOE, DFWF and USACE; this information would inform mitigation feasibility determination	#17	The intention of implementing this project is to demonstrate the efficacy of a hyporheic exchange location in the Chehalis River to assist the agencies in their assessment of this type of mitigation feasibility. This work will install pre-construction monitoring, initiate monitoring, and construct exchange structure.	Work will proceed concurrently with FEIS process
71	FCZD / Mitigation demonstration (KA)	Implement Wetlands Mitigation	\$50,000	DOE, WDFW and USACE; this information would inform mitigation feasibility determination	#15	The intention of this work is to obtain options for available wetland credits and demonstrate there are sufficient credits available.	Work will proceed concurrently with FEIS process
72	FCZD / HDR Engineering	Initial Phase - 60% design	\$6,000,000	NA	NA	We do not anticipate this work to begin until after the Final EIS's are completed, and the project is authorized to move forward by OCB. More information on the expectation of this work task is located in the FCZD letter to the OCB board dated 5/25/2021.	Work will begin after completion of FEISs

The FCZD submitted a budget proposal to the OCB totaling \$13.9M for the 2021-2023 biennium to advance the project through the Final EIS stage and into the permitting phase, which would be expected to occur after the Final EISs through the end of the biennium. The table below shows the totals of the budget line items categorized by timing.

Table 2 – Timing & Amounts of FCZD Budget Request for 2021-2023

Timing of Work Element	Requested Budget Amount
Items for FEIS inclusion	\$1.08M
Concurrently with FEIS	\$2.32M
Could occur after FEIS	\$10.53
<i>Total '21-'23 Biennium</i>	<i>\$13.9M</i>



Chehalis River Basin

Flood Control Zone District

Erik P. Martin, P.E., District Administrator

*351 NW North St
Chehalis, WA 98532-1900*

If you have any questions please contact Erik Martin or Betsy Dillin at the District.

Best Regards,

Erik Martin
District Administrator

*Sean D. Swope
Chair*

*Gary Stamper
Vice Chair*

*Lindsey R. Pollock, DVM
Member*