



**Requested Action:**

Approve the Executive Director to authorize CH2M’s Amendment 3 Task Order No. 3 scope of work for operations support with a not-to-exceed contract authority of \$3,251,161.94 for the period of January 1, 2022 through December 31, 2024.

**Detailed Description/Background:**

On September 22, 2021, the Reservoir Committee approved a work plan for the Amendment 3 period of performance of January 1, 2022 through December 31, 2024 which included Operations Simulation and Modeling activities. CH2M has satisfactorily performed these services for the Authority since 2019. The below summary of the scope of services contained in the proposed CH2M Task Order No. 3 was negotiated and is recommended by the Authority Agents to achieve the required deliverables and milestones for Amendment 3.

The Board is reminded that this contract will be managed to the total authority and the annual authorized expenditures (by calendar year) reflected in the approved annual budget. An annual Notice to Proceed will be issued to the consultant reflecting these conditions. The proposed agreement amendment contains the following subtasks with estimated costs as shown:

- **Operations Plan, Version 2:** Providing technical analysis and documentation in support of developing the Authority’s Operations Plan, Version 2. (\$106,790)
- **Support Operational Agreements:** Providing technical analysis and documentation in support of the Sites-DWR-Reclamation Operating agreement, including analysis using DSM2 to support discussions on carriage water and sensitivity analyses in CalSim, HEC5Q, and the Daily Divertible Flow Tool to assess and refine Sites operations in relation to the CVP and SWP. (\$403,965)
- **EIR/EIS Modeling Support:** Respond to comments on the RDEIR/SDEIS related to project operations and the analysis performed by CH2M and sub-consultants. Perform additional analysis as needed to complete the Final EIR/EIS, including operations modified due to mitigation and discussions with CDFW and Reclamation. (\$908,038)
- **BA/ITP Modeling Support:** Support the Biological Assessment team in the development of documentation for the BA/ITP. Conduct sensitivity-level analysis to support ESA consultations. (\$212,392)

- **Operations Analysis:** Evaluate participant-specific operations relative to level of investment, participant storage volume, operations of available storage, demand-pattern, water use and conveyance capacity. Provide updates to the model as appropriate. Update the daily operations model to include diversions, canal conveyance, and Colusa Basin Drain capacity. (\$1,008,667)
- **WSIP Benefits Agreements:** Perform analysis and develop documentation associated with ecosystem and flood reduction benefits (as needed) in support of benefit agreement discussions with CDFW and DWR. (\$153,033)
- **Water Rights:** Perform analysis and documentation to support the water rights application and permitting process, including sensitivity analysis associated with CalSim II, water temperature, daily operations, fisheries, and future regulations. (\$343,890)
- **Project Management:** Monitoring and reporting CH2M task order budgets, reviewing labor and expense effort, coordinating staffing requirements, and implementing quality control. (\$108,187)
- **Project Expenses:** Miscellaneous expenses. (\$6,200)

The Authority's Standard Consulting Services Agreement was approved on July 16, 2018. Staff recently conducted a review of the Agreement to ensure it meets the growing needs of the Project. Minor changes were identified mostly related to clarification of provisions and updating Exhibits and other minor items. Staff is working with Authority counsel on these changes. An amended standard Agreement will be provided to the Authority in December for review and approval. The amended agreement will be used to amend the key consultants' agreements with the Authority. The agreement amendments will not impact scope, budget and schedule included in the key consultants' Amendment 3 task orders.

**Prior Action:**

September 22, 2021: Approved the Amendment 3 Project Agreement and Work Plan with a period of performance of January 1, 2022 to December 31, 2024 for the purpose of initiating Participant home board review, deliberation and execution of the agreement.

**Fiscal Impact/Funding Source:**

Sufficient funds are included in the Amendment 3 Work Plan. Consultant activity will be monitored closely to ensure quality, timely deliverables, and to ensure a positive project cash balance is always maintained. Key consultant contract authority will be approved for 36 months, however, task order scope and budgets will be reviewed and authorized on an annual basis.

**Staff Contact:**

Joe Trapasso/Marcus Maltby

**Primary Service Provider:**

HDR

**Attachments:**

None