

Meeting: **Reservoir Committee & Authority Board**  
**Agenda Item 1.6**

**August 22, 2025**

Subject: **Task Order No. 4 Amendment No. 11 for CH2M Hill Engineers, Inc. (CH2M)**  
**Operations to perform additional modeling services**

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**Requested Action:**

Reservoir Committee and Authority Board consider approval of a task order amendment with CH2M (Operations) for additional modeling services in the amount of \$340,277 increasing the total task order amount from \$3,847,125 to a revised total not exceed of \$4,187,402 for the period of January 1, 2022 through December 31, 2025.

**Detailed Description/Background:**

CH2M Operations provides modeling services related to completion of project permits and understanding project water supply benefits. The proposed task order amendment would provide contract authority and budget to address additional level of effort in preparation of the modeling necessary to complete the Federal Endangered Species Act (ESA) consultation efforts, WSIP benefits agreements and California Water Commission Funding Agreement, and discussing mercury modeling results with the Tribal Government Working Group, as presented below.

- **ESA Sec 7 Support (+\$64,618)** – The CH2M operations team has and will continue to assist the Authority in developing a modeling approach for the project’s Federal ESA compliance effort. Development of this approach has taken more time and meetings than expected. In addition, the CH2M operations team has been and will continue to assist the Authority in compilation and analysis of modeling results in various formats for the Authority / Reclamation / USFWS / and NMFS team to determine if and where additional modeling or other analyses are required. While this results in additional meetings, presentations, and analysis by the CH2M operations team, the overall expectation is that this compilation and analysis of modeling results will reduce the need for some additional modeling and other analyses, ultimately saving time and money (depending on the analysis, this savings may be reflected in the ICF level of effort).
- **Operations Modeling Updates (+\$187,988)** – The CH2M operations team has developed the Sites Project CalSim 3 model. As the Authority proceeds

through the Federal ESA consultation effort and works to assist its Storage Partners in providing information to make a participation decision, additional level of effort is expected to conduct sensitivity analysis using the CalSim 3 model. These include such analyses as modeling the Sites Project with components of the Healthy Rivers and Landscapes, more in depth analyses on opportunities and constraints of moving Sites water to south-of-Delta participants, and additional analyses with differing climate scenarios. This effort also includes additional “downstream” modeling needed, such as water temperature, Delta conditions, and similar.

- **WSIP Benefits Agreements (+\$63,588)** – The CH2M operations team is supporting development of the Ecosystem Benefits Agreement both from a water operational standpoint (modeling to determine benefit amounts, thru Delta conveyance abilities and limitations, and similar) and supporting the AECOM economics team with modeling result for the final economics analysis. This effort was not originally envisioned and is a new subtask.
- **Additional Efforts (+\$24,083)** – Additional efforts include supporting modeling results discussions with the Tribal Government Working Group and general project management activities.

**Prior Action:**

June 2025: Adoption of revised 2025 project budget.

**Fiscal Impact/Funding Source:**

The requested action will result in no change to the overall 2025 budget that was adopted at the June 2025 Board meeting. Funding for the increase in effort to the tasks identified above will be provided by the reallocation of funds within the Permitting subject area. These funds are being transferred from an allocation of money being held for anticipated future ITP studies. At the June work plan check-in and budget readoption, a savings was realized with multiple permitting consultants due to efficiencies in executing existing work. This savings has allowed the team to repurpose already committed dollars to working on ITP studies which has offset the increase in modeling effort identified in this task order amendment. The repurposing of funds identified for supporting ITP studies is not expected to have an impact on the schedule. The approved Permitting subject area budget for 2025 remains unchanged, however, this change will increase the CH2M Operations contract authority which is why Board approval is required per the Delegation of Authority Matrix.

**Staff Contact:**

Ali Forsythe

**Primary Service Provider:**

CH2M Hill Engineers, Inc. - Operations

**Attachments:**

None.