

EWEB Board Consent Calendar Request

For Contract Awards, Renewals, and Increases

The Board is being asked to approve a new contract with **CH2M Hill** for the Carmen-Smith Dam Failure Flood Model & Analysis.

Backgrounder (if "yes," "See backgrounder information") No

Board Meeting Date: May 19, 2009

Project or Job Name: Carmen-Smith Dam Failure Flood Model & Analysis

Project Contact: Mark Zinniker Ext. 3428

Purchasing Contact: Quentin Furrow Ext. 3287

Contract Amount:

Original Contract Amount: \$ 90,600

Additional \$ Previously Approved: \$ NA

Invoices over last approval: \$ NA

Percentage over last approval: NA %

Amount this Request: \$ 90,600

Resulting Cumulative Total: \$ 90,600

Action Requested:

Contract Award
 Contract Renewal
 Contract Increase
 Other

Funding Source:

Budget
 Reserves
 New Revenue
 Bonding
 Other

Contracting Method:

Method of Solicitation: Exemption/Direct Negotiation

If applicable, basis for exemption: A/E Services <\$150K, Rule 4-0200

Term of Agreement: May 20, 2009 – December 31, 2009

Option to Renew? No

Approval for purchases "as needed" for the life of the contract No

Form of Contract:

Single Purchase
 Services
 Personal Services
 Construction
 IGA
 Price Agreement
 Other

NARRATIVE:

The Board is being asked to approve a new contract with **CH2M Hill** for the Carmen-Smith Dam Failure Flood Model & Analysis.

The Federal Energy Regulatory Commission (FERC) requires that EWEB submit a new dam break flood analysis with revised inundation maps for the Carmen-Smith Hydroelectric Project. The updated inundation maps are to be included in the Emergency Action Plan for the Carmen-Smith Project.

CH2M Hill has conducted dam break flood modeling for EWEB since 1993 and is uniquely qualified to complete the current round of required updates. To ensure that an acceptable product is provided, EWEB and CH2M Hill have collaborated with FERC staff over the past several months to develop the scope of work.

The scope of work represents a comprehensive update and expansion of the previous model and includes the following tasks:

- Review of critical background documents and data that influence the dam break flood inundation results.
- Comprehensive update of model cross sections, datums, and complex hydraulic components including thorough QA/QC reviews.
- Complete field reconnaissance of the project area to refine and confirm model parameters.
- Review and update of dam breach parameters.
- Investigation of the relative importance of modeling parameters by completing sensitivity analyses.
- Coordination with FERC representatives on critical modeling approach issues.
- Calibration to available FEMA flood profiles.
- Extension of the flood inundation modeling downstream as necessary.
- Complete thorough documentation of the modeling effort.

If approved, CH2M Hill expects to complete the modeling work and publish final results in December 2009. Staff will use the consultant's results to update the inundation mapping, revise emergency action plans, and submit a complete update to FERC by April 1, 2010.

ACTION REQUESTED:

The Board is being asked to approve a new contract with **CH2M Hill** for the Carmen-Smith Dam Failure Flood Model & Analysis. Funds for these services were budgeted for 2009.

SIGNATURES:

Project Coordinator: _____

Supervisor: _____

Purchasing Manager: _____

Division Director: _____

General Manager: _____

Board Approval Date: _____

Secretary/Assistant Secretary verification: _____