

# FOX CANYON GROUNDWATER MANAGEMENT AGENCY

A STATE OF CALIFORNIA WATER AGENCY



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## INTERIM EXECUTIVE OFFICER

**Arne Anselm**

October 23, 2024

Board of Directors  
Fox Canyon Groundwater Management Agency  
800 South Victoria Avenue  
Ventura, CA 93009-1600

**SUBJECT: Approve and Authorize the Interim Executive Officer to Execute a Professional Services Contract with United Water Conservation District to Perform Modeling with the Coastal Plain Model in Support of the 2025 Las Posas Basin Optimization Yield Study – (New Item)**

**RECOMMENDATIONS:** (1) Receive a presentation from Agency Staff; and (2) Approve and authorize the Interim Executive Officer to execute a professional services contract with United Water Conservation District (UWCD) to Perform Modeling with the Coastal Plain Model in Support of the 2025 Las Posas Basin Optimization Yield Study.

## BACKGROUND:

The Las Posas Adjudication Judgment (Judgment) requires that Watermaster shall, with Committee Consultation, prepare a Basin Optimization Yield Study which determines the Operating Yield for the Las Posas Valley Basin. This will be established for each Water Year for the period Water Year 2025 through Water Year 2029. (Judgment § 4.10). The 2025 Basin Optimization Yield will establish the Rampdown Rate for the period from Water Year 2025 through Water Year 2039, which may be subject to modification as a result of the subsequent Basin Optimization Yield Studies to be performed in 2030 and in 2035 (Judgment § 4.10.1.4).

## INTRODUCTION:

Watermaster referred a draft scope of work to prepare the Las Posas Valley Basin 2025 Basin Optimization Yield Study for Committee Consultation to the Las Posas Valley Technical Advisory Committee (TAC) as required by the Judgment. The TAC discussed the draft scope of work at their regularly scheduled meeting on August 27, 2024. Watermaster staff subsequently received a recommendation report from TAC noting several clarifications and recommendations for model scenario development in the draft scope of work. Watermaster staff and United have included all clarifications and recommendations from TAC in an updated scope of work. The updated scope includes an additional 40 hours of time for United staff to respond to data requests in consultation with TAC.

## DISCUSSION:

The United scope of work includes 4 tasks for running the Coastal Plain Model in support of analysis for computing the BOY and Rampdown Rate.

The tasks are as follows:

**Task 1 – Model Simulations**

**Task 2 – Data Request Support**

**Task 3 – Project Management**

**Task 4 – Project Coordination, Administrative Support and Meetings**

In total, the United scope of work would cost a total of \$58,704. Details of each task are outlined below:

**Task 1 – Model Simulations**

Use the Coastal Plain Model version of the Ventura Regional Groundwater Flow Model used for the GSP First Periodic Evaluation to simulate groundwater conditions in the Oxnard Subbasin, Pleasant Valley Basin, and West Las Posas Management Area (WLPMA) for the period from October 1, 2022, through September 30, 2069.

Conduct up to five (5) total modeling simulations and provide numerical model inputs and outputs for each simulation. These scenarios will include:

- Future Baseline Scenario: Use the same assumptions from the GSP evaluation Future Baseline Scenario, with modifications to WLPMA extractions based on FCGMA/Watermaster Water Year 2024 Groundwater Allocation Schedule (to be provided by FCGMA) – Scenario 1.
- Projects Scenario: Implements projects in the WLPMA based on the Basin Optimization Plan being developed by FCGMA/Dudek. FCGMA will provide modeling input details for the projects – Scenario 2. The suite of projects included in this scenario may differ from those included in the GSP evaluation. Additionally, FCGMA, with input from the LPV Technical Advisory Committee (TAC), will provide direction on the suite of projects to be included in the Oxnard Subbasin and Pleasant Valley Basin – this may differ from the assumptions included in the GSP evaluation modeling.
- Alternative Pumping Scenarios: Up to three (3) additional alternative pumping scenarios, which may be applied to either the Future Baseline Scenario or Projects scenario.

Task 1 cost: \$43,381.80

**Task 2 – Data Request Support:**

This task provides 40 hours of time for United Staff to respond to data requests, provide model files, hydrographs, contour maps, spreadsheets or other similar data products to enable review and assessment of model performance and findings.

Task 2 Cost: \$8,846.00

**Task 3 – Project Management**

This task provides United Staff 25 hours for general project management activities such as activities such as invoicing, internal coordination, and model development activities.

Task 3 Cost: \$2,489.35

**Task 4 – Project Coordination, Admin Support and Meetings**

This task provides specific time for United Staff to participate in meetings to coordinate and communicate project updates, answer questions and provide information regarding model scenarios and operation. This task includes attending up to five (5) coordination calls with FCGMA and Dudek staff, as well as attending three (3) TAC meetings via Zoom.

Task 4 Cost: \$4,346.85

**ANTICIPATED SCHEDULE:**

<i>Task</i>	<i>Schedule</i>
<b>Task 1 – Model Simulations</b>	12/9/2025 to 5/19/2025
<b>Task 2 – Data Request Support</b>	5/19/2025 to 10/01/2025
<b>Task 3 – Project Management</b>	Project duration
<b>Task 4 – Project Coordination, Admin Support, Meetings</b>	Project duration

**Total Contract Cost and Not-to-Exceed Amount: \$58,704.00**

**CONCLUSION:**

Staff recommends the Board approve and authorize the Interim Executive Officer to execute a professional services contract (attached as Exhibit 25A) with United Water Conservation District to Perform Modeling with the Coastal Plain Model in Support of the 2025 Las Posas Basin Optimization Yield Study for a total cost not-to-exceed \$58,704.00.

This letter has been reviewed by Agency Counsel. If you have any questions, please call me at (805) 654-3952.

Sincerely,



Robert Hampson  
Hydrologist

Attachment:

Exhibit 25A – United Professional Services Contract and Exhibits A, B, and C