GEI Consultants

Consulting
Engineers and
Scientists

November 4, 2026

Board of Directors
Semitropic Water Storage District
P. O. Box 8043
Wasco, CA 93280

Attention: Mr. Jason Gianquinto

Re: Consulting Engineers' Report on Projects for October 2026

Enclosed is the "Consulting Engineers' Report on Projects for Semitropic Water Storage District", which describes the progress of engineering work during the month of October and project budgets including all invoices submitted to the District.

Sincerely,

Samuel W. Schaefer

Samuel W. Schaefer

GEI Consultants, Inc.
5001 California Avenue, Suite 120, Bakersfield, California 93309
661.327.7601

CONSULTING ENGINEERS' REPORT ON PROJECTS
FOR
SEMITROPIC WATER STORAGE DISTRICT
October 2026

PROJECT MANAGEMENT AND QA/QC (GEI Project No. 033741, Task 1)

Activities included project review with GEI project managers, coordinating staff assignments, monthly reporting, meeting of the Board of Directors; and consultation with District management.

Budget: $40,934 expended of $40,000 authorized budget (102%).

GROUNDWATER MONITORING COMMITTEE (GEI Project No. 033741, Task 2)

Activity was minimal during the month.

Budget: $1,049 expended of $12,500 authorized budget (8%).

ANNUAL REPORT ON GW CONDITIONS AND GRANT ASSISTANCE (GEI Project No. 033741, Task 3 and GEI Project No. Task 4)

No Activity during the month.

Task 3 Budget: $14,692 expended of $12,500 authorized budget (118%).

Grant reporting support occurred during the month.

Task 4 Budget: $1,091 expended of $15,000 authorized budget (7%).

AS-REQUESTED SERVICES (GEI Project No. 033741, Task 5)

GEI continued to work through historical files in support of compiling the records history of past projects information, such as record drawings. Rapid responses to equests for sub-surface evaluations were also completed under a prior project number.

Budget: $59,107 expended of $80,000 authorized budget (74%).

TULARE LAKE FLOODWATER STORAGE (GEI Project No. 1504630)

GEI is providing some project support and updates in 2026.

POSO CREEK IRWM RWMG SUPPORT FOR 2026 ACTIVITIES (GEI Project No. 2600062)

Activity was in support of preparation for a Poso Creek IRWMP meeting, participating in regional meeting and tracking funding opportunities.

Prior two-year Budget: $5,677 expended of $30,000 authorized budget (19%).

GW MODEL UPDATE (GEI Project No. 2600046)

GEI's modeling efforts during October focused on advancing model calibration through adjustments to hydraulic-conductivity parameters and zones, updates to calibration wells and model parameters, calibration-data processing, and preparation of visual outputs to evaluate initial calibration results. GEI also prepared technical data for TODD, including Corcoran Clay layer, initial heads, calibration well list and groundwater hydrographs for shallow wells to support coordination between the two modeling teams. A follow-up meeting with TODD is planned to gain additional insight into the Kern IWFM calibration process before further advancing the Semitropic model calibration, helping maintain an efficient and coordinated approach. Bi-weekly coordination calls with District staff were held to discuss project status, progress, planning, and next steps. Overall project management and coordination activities continued throughout the period.

Budget: $123,823 expended of $200,000 authorized budget (62%).

SGMA IMPLEMENTATION SUPPORT & DMS DEVELOPMENT (GEI Project No. 2600061)

GEI's work included both SGMA implementation support and DMS development. GEI team advanced the Hex 23 and Hex 69 data-gap evaluations by reviewing shallow DMS and private wells, compiling information for well 15A1 and 15A2, researching well-completion records, and updating the technical memorandum, graphs, and figures using October water-quality results and proxy-well data. GEI also reviewed October water-quality exceedances, updated associated water quality plots, and coordinated follow-up on J33 observations and well-log questions. GEI also compared surface-water delivery and water-demand data between the Kern IWFM and Semitropic models. This work included extracting and processing data from the Kern IWFM model, comparing the results with District data and IDC outputs for Semitropic model, preparing supporting comparisons, and discussing the findings during a coordination meeting with the District and TODD. DMS development focused on reviewing and updating the Semitropic DMS structure, evaluating proposed changes, reviewing recently provided GIS layers, coordinating updates to the Master Well List to identify wells to incorporate into the DMS. Project management and coordination continued throughout these efforts.

Budget: $142,896 expended of $150,000 authorized budget (95%).

DRP Grant Application Support 2026 (GEI Project No. 2603868)

No activity during the month.

Budget: $10,457 expended of $20,000 authorized budget (52%).