



Stantec Consulting Services Inc.

555 Capitol Mall, Suite 650
Sacramento, CA 95814-4583

July 23, 2024

Joel Metzger

Utica Water and Power Authority
1168 Booster Way
Angels Camp, CA 95222

Dear Mr. Metzger,

Reference: UWPA Task Order 6 (Subtasks 1A, 1B, 2,3 and 4) - Utica and Angels Projects FERC Exemption – Proposal for Fish Study Development

Stantec Consulting Services Inc. (Stantec) is pleased to provide this Scope of Work (SOW) and cost estimate to Utica Water and Power Authority (UWPA) for initiating a fish study for the Utica and Angels Projects in Calaveras County, California. UWPA is seeking a conduit exemption for both projects from the Federal Energy Regulatory Commission (FERC), which would remove FERC's oversight of the UWPA system, except for the two powerhouses UWPA operates as part of the Utica and Angels Projects.

In California Department of Fish and Wildlife (CDFW) Comments on the Exemption and Surrender Applications dated April 2, 2024, CDFW requested more information on fish populations within the project. Stantec has developed a scope and budget to negotiate a study plan with CDFW to be used for fish population monitoring anticipated to occur in the fall of 2024. Stantec will also perform the fish study according to the negotiated plan and produce a report on study findings.

Task 1. Project Management

This scope item covers the task order project management and administration. This budget will support completion of all tasks required to complete the study. Task 1 will be broken up into two phases: (i) from Task Order authorization through September 30, 2024 and (ii) from October 1, 2024 through December 31, 2024. Unless otherwise noted, tasks activities will be spread throughout the Task Order duration.

- Task order kickoff call between UWPA and Stantec's Project Manager/Technical Lead. (Phase 1A)
- Up to six, one-hour calls with UWPA will include Stantec's Project Manager and Technical Lead through the meetings with the SWRCB.
- This task also covers up to five months of general project administration support.

Deliverables:

- Summary meeting notes; action item lists (from bi-weekly meetings).
- Safety Plan (Stantec RMS1) development. (Phase 1B)

Assumptions:

- Meetings will be virtual; up to 60-minutes for two Stantec people.
- Assumes up to 5 months of project management support, August through December 2024.

Reference: UWPA Utica and Angels Projects FERC Exemption Proposal for Fish Population Study

Task 2. Fish Population Study Plan Negotiations and Study Plan

Stantec's team will develop a draft Fish Population Study Plan for review by UWPA, and then a draft Fish Population Study Plan for a virtual meeting with CDFW to negotiate a methodology and sampling approach for the Unica and Angels Projects. Stantec will then develop a final Fish Population Study Plan for UWPA to submit to CDFW. Stantec will modify the study plan after CDFW's review if necessary.

Deliverables:

- Attend one virtual meeting with CDFW and negotiate a fish population study.
- Stantec will provide UWPA a final Fish Population Study Plan after the meeting with CDFW.
- Study plan revisions after CDFW review

Assumptions:

- Virtual meeting with UWPA, CDFW, and up to two Stantec representatives to present the Fish Population Study Plan.
- CDFW is assumed to accept the proposed Fish Population Study Plan with minimal comments, and no further negotiations or modifications are necessary.
- The Final Fish Population Study Plan will be included in Task 3 (below)
- Study Plan will not include specific sampling for benthic macroinvertebrates (BMI) or aquatic invasive species (AIS) as requested from CDFW and SWRCB, but will address their general presence via sampling observations or another appropriate process within the Study Report.

Task 3. Fish Study Implementation

This task will include the submittal of the Final Fish Population Study Plan and implementation of the CDFW-approved plan. Our approach is to generally follow methods used by PG&E during the relicensing studies completed for the Utica and Angels projects in the early 1990's. Sampling will take place in project streams and reservoirs. Our anticipated approach will be less comprehensive than PG&E and require less sampling sites and more efficient methods for obtaining the desired information. Study methods will include multiple pass electrofishing at stream locations and gillnet, trap, and hook and line sampling methods in project reservoirs. No sampling in canals will be proposed as well. Stantec may also use this opportunity to sample for western pond turtles using traps project reservoirs.

Deliverables:

- Final Fish Population Study Plan
- Fish Population Study Report

Assumptions:

- No study method changes required by CDFW.
- Assumes Stantec will receive a CA Scientific Collection Permit in time for studies in the fall of 2024.
- One round of consolidated comments from UWPA and CDFW on the Draft and Final Reports.
- No boat electrofishing required in project reservoirs.
- No sampling in project canals.
- No comprehensive habitat evaluations, only simple measurements taken at fish sampling sites

Reference: UWPA Utica and Angels Projects FERC Exemption Proposal for Fish Population Study

Task 4. Fish Study Reporting

Stantec will generate a report on the fish population sampling results. The report will include a study methods, results, and discussion including a comparison between PG&E's findings from the early 1990's and current findings. Anticipated fish metrics to be examined will include fish species composition, condition factor (K), fish density, and fish biomass.

Deliverables:

- Fish population study report
- Meetings with UWPA and CDFW to present study results

Assumptions:

- One round of client review, where a single consolidated round of comments will be addressed, and final versions will be provided.

Schedule

The following provides an estimated schedule for the tasks listed above:

Task No.	Task Description	Schedule Estimate*
Task 1A	Project Management, Coordination, (Aug – Sept)	From notice to proceed to September 30
Task 1B	Project Management, Coordination, Safety (Oct - Dec)	From October 1 to December 31
Task 2	Fish Population Study Plan Meeting and Negotiations	4 weeks from notice to proceed
Task 3	Fish Study Implementation	Completed by November 1st
Task 4	Fish Study Report, FERC Coordination	Completed by December 31st

*Note that these time frames are estimated, and delays might occur due to changes to the project, etc.

Cost Estimate

Stantec will perform Task Order 5, Subtask 1A, 1B, 2, 3, and 4 for a fee not to exceed \$145,040. This fee includes an FRD (8%) of \$9,839. The fee will be billed on a time and materials basis under the existing contract with Stantec and UWPA dated October 1, 2022. The tables below provide addition details on the proposed budget.

Subtask No.	Subtask Description	Budget
Task 1A	Project Management, Coordination, (Aug – Sept)	\$2,711
Task 1B	Project Management, Coordination, Safety (Oct - Dec)	\$8,880
Task 2	Fish Population Study Plan Meeting and Negotiations	\$12,202
Task 3	Fish Study Implementation	\$71,922
Task 4	Fish Study Reporting, FERC Coordination	\$49,325
	Total	\$145,040

Note: Budget numbers above includes an FDR of 8%.

Reference: UWPA Utica and Angels Projects FERC Exemption Proposal for Fish Population Study

Staff may be exchanged depending on availability and will be billed at the appropriate rate from the rate table below.

Stantec Resource Title (By work classification)	2024 Rate
Senior QA/QC (Regulatory)	\$284
Principal Scientist/FERC Specialist	\$274
Senior Associate Scientist/Analyst/Specialist	\$257
Associate Scientist/Analyst/Specialist	\$223
Senior Professional Scientist/Analyst/Specialist II	\$196
Senior Professional Scientist/Analyst/Specialist I	\$178
Professional Scientist/Analyst/Specialist II	\$164
Professional Scientist/Analyst/Specialist I	\$154
Staff Scientist/Analyst/Specialist II	\$140
Staff Scientist/Analyst/Specialist I	\$118
Assistant Staff Scientist/Analyst/Specialist II	\$95
Assistant Staff Scientist/Analyst/Specialist I	\$90
Senior Principal Engineer	\$345
Principal Engineer	\$312
Senior Associate Engineer	\$279
Associate Engineer	\$241
Senior Professional Engineer II	\$220
Senior Professional Engineer I	\$202
Professional Engineer II	\$181
Professional Engineer I	\$167
Staff Engineer II	\$153
Staff Engineer I	\$130
Assistant Staff Engineer II	\$113
Assistant Staff Engineer I	\$103
Senior GIS / CADD Support	\$185
Professional GIS / CADD Support	\$153
Assistant GIS / CADD Support	\$130
Project Management/PMCL	\$208
Senior Project Management	\$185
Project Management	\$164
Project Controls/Accounting	\$164
Administrative Professional	\$130
Intern	\$80

Rates will be escalated on January 1st of each year, assumed to be 3.5% for 2025.

Reference: UWPA Utica and Angels Projects FERC Exemption Proposal for Fish Population Study

Thank you for the opportunity to provide this SOW and cost estimate for assisting UWPA in the ongoing FERC Conduit Exemption process. We look forward to the opportunity to work with you. Please feel free to contact the undersigned with any questions.

Regards,

STANTEC CONSULTING SERVICES INC.



Michael Manwaring, PG

Regional Sector Leader

Phone: 425-750-7989

michael.manwaring@stantec.com

Attachment: Task Order 6 - Proposal Costs Estimates

Signature of Proposal Acceptance:

By signing below, UWPA authorizes Stantec to execute the above scope of work (Task Order 6: Subtask 1A, and 2 (\$14,913)).

Client Authorization / Date

Signature of Proposal Acceptance:

By signing below, UWPA authorizes Stantec to execute the above scope of work (Task Order 6: Subtask 1B, 3, and 4 (\$130,127)).

Client Authorization / Date