



11 North 300 West, Washington, Utah 84780
TEL 435.652.8450 | FAX 435.652.8416

January 18, 2022

Mr. Harrison Johnson, Managing Director
Hildale City
320 E. Newell Avenue
Hildale, UT 84784

Re: Proposal for Engineering Services
Culinary Water Master Plan & Impact Fee Facilities Plan Update

Dear Mr. Johnson,

Sunrise Engineering (ENGINEER) is pleased to submit this proposal for engineering services for the project referenced above. We're appreciative of our ongoing work with Hildale City (CLIENT) and look forward to helping with this effort.

PROJECT BACKGROUND

CLIENT is looking to update its Culinary Water Master Plan and Impact Fee Facilities Plan (WMP). There have been many changes since the last WMP update. CLIENT would like to update the WMP to provide guidance in prioritizing projects and pursuing funding for projects.

SCOPE OF SERVICES

Based on the project background summarized above and prior conversations with CLIENT on professional assistance desired, ENGINEER proposes to provide the Scope of Services below.

1) CULINARY WATER SYSTEM MASTER PLAN UPDATE

- a. Hold kickoff meeting with CLIENT staff and representatives to understand CLIENT's ideas and goals for the project.
- b. Evaluate water usage and historic growth rates and establish an estimated population growth rate to serve as a basis for the master plan update.
- c. Update map of water system for providing exhibits necessary for the master plan and as a basis for preparing a computer-based network hydraulic model.
- d. Assess the water source capacity currently developed and in use by CLIENT and evaluate if that capacity is adequate for the planning period.
- e. Assess the water storage capacity currently available to CLIENT and evaluate if that capacity is adequate for the planning period.
- f. Assess the culinary water treatment currently used by CLIENT and evaluate if that capacity is adequate for the planning period.
- g. Evaluate the existing distribution system using a computer-based network hydraulic model to assess if the sizes of the existing pipelines are adequate for existing conditions and for connections expected to be added throughout the planning period. Adequate water pressure

within the existing system will be evaluated in accordance with the State of Utah Rules for Public Drinking Water Systems.

- h. Provide a list of recommended improvements to meet deficiencies identified in the planning process.
- i. Provide an Engineer's Opinion of Probable Cost (EOPC) for recommended improvements.
- j. Provide a possible financing plan for funding recommended culinary water improvements in accordance with general funding agency criteria.
- k. Prepare the analysis in report format and present the findings to CLIENT.

2) IMPACT FEE FACILITIES PLAN UPDATE

- a. Hold kickoff meeting with CLIENT staff and representatives to understand CLIENT's ideas and goals for the project.
- b. Evaluate the culinary water distribution system requirements for proposed or newly annexed areas using a computer-based network hydraulic model to assess if the sizes of the existing pipelines are adequate for connections expected to be added throughout the planning period and recommend new improvements where required. Adequate water pressure within the system will be evaluated in accordance with the State of Utah Rules for Public Drinking Water Systems.
- c. Calculate a level of service (LOS) for the system and evaluate the impacts of proposed development to the LOS.
- d. Prioritize recommendations from the culinary water system master plan update to include an EOPC for development of proposed or newly annexed areas of the city.
- e. Attend and present at one public hearing held in conjunction with one Utility Board meeting.
- f. Attend and present at two public hearings held in conjunction with city council meetings; one meeting will be for Hildale City, the other for the Town of Colorado City.

3) IMPACT FEE ANALYSIS UPDATE

- a. Update the culinary water Impact Fee Analysis based on recommendations from the updated culinary water system master plan and Impact Fee Facilities Plan. The analysis will follow Utah Impact Fee Act requirements.

PROFESSIONAL SERVICES FEES

ENGINEER proposes to provide the work outlined in the Scope of Services above as follows:

Task Item	Budget	Fee Type	Comments
Culinary Water System Master Plan Update	\$31,000	Lump Sum	Fixed Fee
Impact Fee Facilities Plan Update	\$10,000	Cost Plus	Hourly Rate
Impact Fee Analysis Update	\$2,300	Cost Plus	Hourly Rate

Work by ENGINEER will be billed at the hourly rates and direct expenses shown in the attached fee schedule given as Exhibit A. Invoices will be submitted to CLIENT no more than once monthly and will be due and payable within 30 days of invoicing. The monthly portion of the lump sum fees billed for ENGINEER's services will be based upon ENGINEER's estimate of the percentage of the total services completed during the billing period.

ASSUMPTIONS/EXCLUSIONS

The following assumptions apply. Some items excluded below may be provided as an additional service as provided in the Additional Services section and if requested by CLIENT.

- 1) The conclusions and recommendations of the three tasks above will be compiled in a single report. The ENGINEER will present the report to the Utility Board and the City Councils at one meeting each.
- 2) Capacity analyses by ENGINEER will be done in accordance with the current requirements of the Utah Administrative Code.
- 3) CLIENT shall provide meter usage data, available system mapping, annual audit reports, and other background and pertinent information as may reasonably be necessary for ENGINEER to perform the Scope of Services.
- 4) CLIENT shall provide access to and explanations of system infrastructure to aid ENGINEER in understanding the normal operation of the system.
- 5) Revisions and/or additional meetings resulting from the coordination with other entities (i.e., Southern Utah Home Builder's Association, etc.) will be provided as an additional service.
- 6) The Scope of Services does not include recommendations on a new water rate structure.
- 7) Detailed quantification, review and recommendations related to water rights or water right capacity will not be required.

ADDITIONAL SERVICES

CLIENT may authorize ENGINEER to furnish or obtain from others additional services of the types listed below, which are not included in the basic Scope of Services and Professional Services Fees given above. If such services are authorized, commensurate fees will be provided at hourly rates as shown in the attached fee schedule (Exhibit A) or as otherwise negotiated.

- 1) Services resulting from significant changes in the scope, extent, or character of the project and its requirements.
- 2) Preparing for, coordinating with, participating in, and responding to independent review processes.
- 3) Preparing to serve or serving as a consultant or witness in any litigation, arbitration, or other dispute resolution process related to the project.
- 4) Services caused by excessive reviews, indecisiveness, delays, significant obstacles to completion of the work in a timely manner, etc. beyond the control of ENGINEER.
- 5) Other services performed or furnished by ENGINEER not otherwise provided for in the Scope of Services.

If CLIENT is interested in completing this work under the terms outlined above, I recommend execution of a work release which will serve as a notice to proceed with the work. We appreciate the opportunity to work with you on this project. Please call me at (435) 652-8450 with any questions.

Sincerely,



Joseph K. Phillips, P.E.
Principal Engineer

Attachment

SUNRISE ENGINEERING**FEE SCHEDULE****EXHIBIT A**

Work Code	Work Classification	Hourly Rate	Work Code	Work Classification	Hourly Rate
101	Engineer Intern (E.I.T.) I	\$111	500	Funding Specialist	\$145
102	Engineer Intern (E.I.T.) II	\$124	510	Plan Reviewer	\$129
103	Engineer III	\$143	511	Building Inspector I	\$75
104	Engineer IV	\$165	512	Building Inspector II	\$100
105	Engineer V	\$189	513	Building Inspector III	\$125
110	Principal Engineer	\$205	525	Building Official	\$145
121	Electrical Engineer Intern (E.I.T.) I	\$129	601	GIS Tech	\$79
122	Electrical Engineer Intern (E.I.T.) II	\$145	602	GIS Tech II	\$90
123	Electrical Engineer III	\$165	611	GIS Specialist I	\$115
124	Electrical Engineer IV	\$189	613	GIS Analyst	\$135
125	Electrical Engineer V	\$215	614	GIS Programmer	\$129
126	Principal Electrical Engineer	\$230	615	GIS Team Leader	\$149
301	Engineering Tech I	\$81	624	GIS Mapping Technician	\$59
302	Engineering Tech II	\$98	625	GIS Mapping Supervisor	\$99
303	Engineering Tech III	\$112	51	Administrative I	\$46
304	Engineering Tech IV	\$139	52	Administrative II	\$61
311	Electrical Tech I	\$100	53	Administrative III	\$76
312	Electrical Tech II	\$115	96	Public Information Manager	\$130
313	Electrical Tech III	\$135	701	Planner I	\$105
314	Electrical Tech IV	\$149	702	Planner II	\$115
315	Electrical Tech V	\$165	703	Planner III	\$129
351	Construction Observer I	\$71	704	Planner IV	\$155
352	Construction Observer II	\$88	705	Planner V	\$175
353	Construction Observer III	\$102	723	Water Rights Specialist III	\$145
354	Construction Observer IV	\$118	921	Survey Tech	\$89
401	CAD Drafter I	\$82	930	Survey CAD Tech	\$139
402	CAD Drafter II	\$93	935	One Man Survey Crew	\$165
403	CAD Drafter/Designer III	\$104	940	Survey Manager	\$175
404	CAD Drafter/Designer IV	\$118	945	Registered Surveyor	\$189
			950	Principal Surveyor	\$209

REIMBURSABLE EXPENSE SCHEDULE

Expense	Rate	Mark-Up
Mileage	\$0.59 per mile	N/A
Field Vehicle (on site)	\$60 per day	N/A
Per Diem Meals	\$57 per day	N/A
High Density Scanner	\$175 per hour	N/A
Material Testing Lab Work	Actual Cost	15%
Outside Consultants, Aerial Photography, etc.	Actual Cost	15%
Lodging	Actual Cost	10%
Other Expenses incurred	Actual Cost	10%

Fees automatically change after the beginning of the year and are subject to change on other occasions.

STG 01-2022