

**AGREEMENT
BETWEEN
SUNRISE ENGINEERING
AND
WEBER COUNTY
FOR
PROFESSIONAL SERVICES**

Upper Valley Sewer Study North

THIS AGREEMENT is made and entered into as of the _____ day of _____, 20__, by and between WEBER COUNTY (COUNTY), a body corporate and politic of the State of Utah, and SUNRISE ENGINEERING (CONSULTANT), a/an Utah corporation authorized to do business in Utah, Taxpayer Identification No. 87-0395347.

W I T N E S S E T H:

WHEREAS, COUNTY desires to obtain engineering services for Upper Valley Sewer Study; and

WHEREAS, CONSULTANT has submitted a proposal to provide consulting and related services for such Upper Valley Sewer Study; and has been chosen through a competitive process to contract with COUNTY; and

WHEREAS, COUNTY desires to accept said proposal and to receive the services of CONSULTANT as set forth in said proposal;

NOW, THEREFORE, in consideration of the mutual covenants set forth herein, the parties agree as follows:

ARTICLE I

SERVICES OF THE CONSULTANT

A. CONSULTANT shall perform such services as are specified by this contract and as are specified by the scope of services set forth in Exhibit A to this contract, attached hereto and incorporated herein. In performing said services, CONSULTANT shall follow practices consistent with acceptable professional and technical standards for work of this nature.

B. CONSULTANT hereby agrees to furnish those services necessary to complete the scope of services specified in this contract. All said services shall be performed by CONSULTANT or by CONSULTANT's associates, employees, or subconsultants under the personal supervision of the Project Manager, designated in Article I, Section C, or such other qualified person as shall be designated by CONSULTANT and approved in writing by COUNTY.

C. Steve Hansen will perform or supervise the project on behalf of CONSULTANT as Project Manager. Should (s)he be unable to complete said responsibility for any reason, COUNTY reserves the right to terminate this contract in the event (s)he is not replaced by a person which COUNTY finds satisfactory.

D. CONSULTANT has, or will secure at its own expense, the qualified personnel required to perform the services specified by this contract.

E. Except as may be delineated in Exhibit A, or except as allowed by COUNTY's Representative in writing, none of the services specified by this contract shall be subcontracted.

F. During the contract period, CONSULTANT shall attend such meetings and public hearings and shall provide such advice as may be required as described in Exhibit A.

G. All materials developed, prepared, completed, or acquired by CONSULTANT during the performance of the services specified by this contract, including all finished or

unfinished documents, data, studies, surveys, drawings, maps, models, photographs, and reports, in both electronic and non-electronic format, shall become the property of COUNTY and shall be delivered to COUNTY during or at the end of the contract period. All such materials shall not be released by CONSULTANT at any time without the prior written approval of COUNTY's Representative. It is understood and agreed that such materials are to be prepared exclusively for work required under this agreement, and that their use on other projects may not be appropriate. Therefore, COUNTY agrees that its use of said materials on other projects shall be at its own risk unless prior thereto CONSULTANT has given its written approval for such use.

H. In providing opinions of cost, financial analyses, economic feasibility projections, and schedules for the project, CONSULTANT has no control over cost or price of labor and materials; unknown or latent conditions of existing equipment or structures that may affect operation or maintenance costs; competitive bidding procedures and market conditions; time or quality of performance by third parties; quality, type, management, or direction of operating personnel; and other economic and operational factors that may materially affect the ultimate project cost or schedule. Therefore, CONSULTANT makes no warranty that COUNTY's actual project costs, financial aspects, economic feasibility or schedules will not vary from CONSULTANT's opinions, analyses, projections, or estimates. Such variations will be resolved by negotiation between the parties and amendment to this agreement, if needed.

I. CONSULTANT shall not at any time supervise, direct, control, or have authority over any contractor work, nor shall CONSULTANT have authority over or be responsible for the means, methods, techniques, sequences, or procedures of construction selected or used by any contractor, or the safety precautions and programs incident thereto, for security or safety at the

Site, nor for any failure of a contractor to comply with Laws and Regulations applicable to such contractor's furnishing and performing of its work.

ARTICLE II

MANAGEMENT AND COORDINATION

In order that COUNTY may maintain coordination with the content of the studies completed and the services performed as specified by this contract, it is hereby agreed that the services performed by CONSULTANT hereunder shall be coordinated with COUNTY's Representative, who will be either the County Engineer (currently Gary Myers, P.E.) or the County Engineer's designee.

ARTICLE III

SERVICES OF THE COUNTY

A. The representative designated above shall serve as the sole intermediary between COUNTY and CONSULTANT. Said representative shall receive and examine documents submitted by CONSULTANT and shall render any needed decisions on COUNTY policies or procedures in a prompt manner so as to prevent unreasonable delay in the progress of work to be performed by CONSULTANT under this agreement.

B. COUNTY shall without charge furnish to or make available for examination or use by CONSULTANT, as it may request, all available pertinent information and documents related to the project which COUNTY has available and may legally disclose.

C. COUNTY shall not be responsible for discovering deficiencies in the technical accuracy of CONSULTANT's services. CONSULTANT shall correct deficiencies in technical accuracy without additional compensation, unless such corrective action is directly attributable to deficiencies in COUNTY-furnished information.

ARTICLE IV

(RESERVED)

ARTICLE V

TIME SCHEDULE

A. CONSULTANT shall commence its services as specified by this contract upon receipt from COUNTY of written notice to proceed. CONSULTANT shall meet set milestones and complete its work hereunder within the time limits set forth in Exhibit D, except where written notification of variance is received from COUNTY's Representative or except in the event of the occurrence of unforeseeable circumstances beyond the reasonable control of CONSULTANT.

B. It is hereby agreed that CONSULTANT is not required to provide full-time service throughout said period. However, during the entire contract period, CONSULTANT shall commit necessary resources as deemed necessary, within reason, to keep to said schedule.

ARTICLE VI

COMPENSATION

A. Payment to CONSULTANT for its services provided under this contract shall become due upon completion of the same. At the end of each 30-day period during CONSULTANT's performance hereunder, CONSULTANT may request a progress payment based upon work performed and services rendered within that 30-day period. COUNTY shall pay to CONSULTANT the requested payment, if approved, or the undisputed portion thereof within sixty (60) days of the progress payment request. Final payment shall be made when CONSULTANT has submitted the final work product to COUNTY in a manner consistent with

the contract. If COUNTY fails to make a payment within the time specified above, there shall be added to such payment, interest at a rate equal to the percentage rate earned by the County Treasurer on such funds, compounded monthly, commencing on the first day after said payment is due and continuing until payment is made. Interest shall be deemed to be additional to any compensation due CONSULTANT for services provided pursuant to this contract.

B. The payment process described above shall begin only upon submission by CONSULTANT, to COUNTY's Representative, of an invoice or billing signed by the CONSULTANT's Project Manager, including support documents. The invoice or billing may be a hard copy with a wet signature or an electronic document signed digitally (e.g., VeriSign). The invoice or billing shall include an invoice number. Any request for a progress payment shall be denominated as such and shall include the invoice or billing, with support documents, detailing the bill and giving a brief statement of accomplishments and status.

C. The parties agree that the compensation COUNTY shall pay CONSULTANT for performance of the services described in the "Scope of Work" found in Exhibit A shall be made as follows:

COUNTY shall pay CONSULTANT on a time and materials basis with total payment not to exceed \$79,124 unless this agreement is amended as specified in Article XI, Section G. The "Cost Estimate" of Exhibit C is approximate, and payment shall be made for actual work completed in accordance with the "Hourly Rate Schedule" of Exhibit B.

ARTICLE VII

INSURANCE AND INDEMNIFICATION

A. CONSULTANT shall accept full responsibility for the payment of premiums for unemployment insurance and workers' compensation, as well as income tax and social security

deductions and any other taxes or payroll deductions required by law for its employees who are performing services by this contract.

B. CONSULTANT shall procure and maintain the insurance policies required in this article from an insurance company authorized to write casualty insurance in the State of Utah, to protect itself and COUNTY from all claims including, but not limited to, bodily injury, death, or property damage which may arise from performance under the contract. All insurance policies must be approved and accepted by COUNTY, and excepting the professional liability and workers' compensation policies, will name Weber County as additional insured, and will be issued by a surety authorized to do business in the State of Utah and be rated with an A- or better rating in the most current edition of *Best's Key Rating Guide*.

C. CONSULTANT shall not commence performance under this agreement until it has obtained all insurance required by this article and filed a certificate of insurance or certified copy of insurance policy with COUNTY. Each insurance policy shall contain a clause providing that the insurance company will not cancel coverage without thirty (30) days prior written notice to COUNTY of intention to cancel. The amount of such insurance coverage will not be less than the following:

1. Workers' compensation statutory limits as required by the Workers' Compensation Act of the State of Utah and Employers Liability limits \$1,000,000 per occurrence.
2. Commercial General Liability insurance in the minimum amount of \$1,000,000 per occurrence with a \$2,000,000 aggregate.
3. Professional Liability insurance in an amount of not less than \$1,000,000.

4. Automobile Liability insurance in the minimum amount of \$1,000,000 per occurrence with no deductible. "Any Auto" coverage is required.

Excluding workers' compensation and professional liability coverages, CONSULTANT's insurance coverage shall be a primary insurance. COUNTY's self-insurance or insurance shall be in excess of CONSULTANT's insurance and shall not contribute with it. CONSULTANT's failure to comply with policy reporting provisions shall not affect coverage provided to COUNTY, its officers, officials, employees, or volunteers.

D. CONSULTANT agrees to defend, indemnify, and hold harmless COUNTY, its officers, employees, and agents from and against any and all liability, loss, expense (including reasonable attorney's fees), or claim, arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorney's fees, or claims for injury or damage are caused by or result from the negligent or intentional acts, errors, and/or omissions of the CONSULTANT, its agents, employees, and/or subconsultants. CONSULTANT shall not indemnify for default when the delay is beyond the control and without the fault and negligence of CONSULTANT, including but not restricted to, changes in the scope of work, strikes, availability of materials, acts of God or of the public enemy, acts of COUNTY or its representatives or agents, and acts of any other consultant and/or contractor in the performance of a contract with COUNTY.

E. The parties agree that for purposes of this agreement, CONSULTANT, its officers, agents, and employees are not to be regarded as COUNTY employees, and that CONSULTANT is an independent contractor in all respects.

ARTICLE VIII

REMEDIES

A. Time for Completion. The date of beginning and the time for completion of the specified work are essential conditions of this contract. If CONSULTANT shall fail to comply with the time schedule set forth in Article V and Exhibit D, or any extension of time granted by COUNTY, then CONSULTANT shall be in default, unless the failure is beyond the control and without the fault and negligence of CONSULTANT. If CONSULTANT defaults, then COUNTY shall be entitled to the recovery of direct damages, if any, resulting from the default, in addition to any other remedies granted by this contract.

B. Correction of Work. CONSULTANT shall promptly replace and/or re-execute work rejected by COUNTY for failure to comply with this contract, without expense to COUNTY. However, COUNTY shall give expeditious and thorough consideration to all reports and sketches, estimates, drawings and specifications, proposals and other documents submitted by CONSULTANT and shall inform CONSULTANT of any decisions concerning adequacy of the work within a reasonable time.

C. Disputes. If CONSULTANT disputes COUNTY's compliance with any term of this contract, CONSULTANT shall present its claim in writing to COUNTY within ten (10) days of learning of the act or condition that created the dispute, or the claim shall be deemed waived by CONSULTANT. Notice of such claim need not be specific in detail but shall be sufficient to identify the character and scope of the claim. COUNTY shall consider said claim and render its decision thereon in writing not later than ten (10) days following the date notice of said claim was received by COUNTY. In the meantime, CONSULTANT shall proceed with the work as directed by COUNTY. If CONSULTANT is aggrieved by the decision of COUNTY upon its claim, CONSULTANT shall nevertheless comply therewith and complete the work required thereunder, and under this agreement. By giving timely notice of its claim according to this

paragraph, CONSULTANT shall preserve its claim for future proceedings or litigation, if necessary. However, the existence of any dispute shall not serve as reason to terminate or delay the work required under this agreement.

ARTICLE IX

CHANGES

COUNTY may, at any time by written order, and without notice to the sureties, if any, make changes in the concept of the project of this contract, if within its general scope. If such changes cause an increase or decrease in CONSULTANT's cost of, or time required for performance of the contract, an equitable adjustment in price or time will be made and the contract modified in writing accordingly. The equitable adjustment shall be based upon a negotiated price for the change required. All changes shall be set forth in writing, signed by all parties prior to the performance thereof and any changes in price shall be added to or subtracted from the price hereof and billed to COUNTY in accordance with the provisions of Article VI hereof. Except as provided in this contract, no charge for any extra work or materials will be allowed or paid. In determining the equitable adjustment to be paid, the books and records of CONSULTANT pertaining to this agreement shall be made available to COUNTY.

ARTICLE X

TERMINATION

A. COUNTY shall have the right to terminate this agreement in whole, or from time to time, in part, for COUNTY's convenience or because of CONSULTANT's failure to fulfill the contract obligations. COUNTY shall terminate by delivering to CONSULTANT a Notice of Termination specifying the extent to which performance of services under this contract is terminated, and the date upon which such termination becomes effective. In the event the

agreement is terminated by COUNTY prior to full performance by CONSULTANT, CONSULTANT shall be paid for services rendered to the date of termination based upon a percentage of completion of the full performance of this agreement.

B. After receipt of a written Notice of Termination for convenience, CONSULTANT shall:

1. Stop work under the contract upon the date and to the extent specified in the Notice of Termination;
2. Place no further orders or subcontracts for materials, services or facilities, except as may be necessary for completion of such portion of the work under the contract as is not specifically terminated;
3. Transfer to COUNTY, and deliver to COUNTY, work in process, completed work, completed or partially completed plans, drawings, information and other property (including all electronic files and support files) which would be required to be furnished to COUNTY if the contract had been completed;
4. Terminate all orders and subcontracts to the extent that they relate to performance of work terminated by the Notice of Termination;
5. Assign to COUNTY, in the manner, at the times, and to the extent directed by COUNTY, all of the right, title, and interest of CONSULTANT in any orders and subcontracts so terminated, in which case COUNTY shall have a right, in its discretion, to settle and pay any or all claims arising out of the termination of such orders and subcontracts;
6. Settle all outstanding liabilities and all claims arising out of such termination of orders and subcontracts, with the approval and ratification of COUNTY to

the extent CONSULTANT may require, which approval or ratification shall be final for all purposes of this clause.

C. After receipt of a written Notice of Termination, CONSULTANT shall submit to COUNTY its termination claim no later than sixty (60) days after the termination of this contract, unless extensions in writing are granted by COUNTY. Upon failure of CONSULTANT to submit its termination claim within the time allowed, COUNTY may determine, on the basis of information available, the amount, if any, due to CONSULTANT by reason of the termination and shall thereupon pay to CONSULTANT the amount so determined.

D. In the event of termination for convenience, the amounts due CONSULTANT from COUNTY shall be determined as follows:

1 There shall be included all costs and expenses reimbursable in accordance with this contract, not previously paid to CONSULTANT for the performance of this contract prior to the effective date of the Notice of Termination, and such of these costs as may continue for a reasonable time thereafter with the approval of, or as directed by, COUNTY; and

2 There shall be included so far as not included under (1) above, the cost of settling and paying claims arising out of the termination of work under subcontracts or orders, which are properly chargeable to the terminated portion of the contract.

E. With the exception of work completed prior to receipt of the Notice of Termination, in no event shall all termination claims and payments described herein exceed the value of work left to be completed as of the date of receipt of the Notice of Termination.

ARTICLE XI

MISCELLANEOUS

A. No Officer or Employee Interest. No officer or employee of COUNTY shall have any pecuniary interest, direct or indirect, in this agreement or the proceeds thereof. No officer or employee of CONSULTANT nor any member of their families shall serve on a COUNTY board or committee or hold any such position which either by rule, practice, or action nominates, recommends, or supervises CONSULTANT's operations, or authorizes funding to CONSULTANT. No officer, employee, or member of the governing body of COUNTY, or of the locality or localities in which the project governed by this contract takes place, shall (1) participate in any decision relating to this contract which affects his or her personal interest or the interest of any corporation, partnership, or association in which (s)he is, directly or indirectly, interested, or (2) have any interests, direct or indirect, in this contract or the proceeds thereto.

B. Assignability. CONSULTANT shall not assign any interest in this contract, and shall not transfer any interest in the same (whether by assignment or novation), without the prior written consent of COUNTY.

C. Interest of CONSULTANT. CONSULTANT covenants that it presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed as specified in this contract. CONSULTANT further covenants that in the performance of said services no person having any conflict of interest shall be employed.

D. Equal Employment Opportunity. CONSULTANT, by entering into this agreement, or any person acting in its behalf, agrees that it shall not, because of race, color, sex, religion, age, disability, marital status, sexual orientation, ancestry, or national origin, discriminate in the engagement or employment of any professional person or any other person

qualified to perform the services required under this agreement or any subagreement executed in the furtherance thereof.

E. Contingent Fees. CONSULTANT warrants that no person or company has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees; nor has CONSULTANT paid or agreed to pay any person, company, corporation, or firm, other than a bona fide employee, any fee or commission resulting from award of this contract. For any breach or violation of this provision, COUNTY shall have the right to terminate this agreement without liability and, at its discretion, to deduct from the contract price, or otherwise recover, the full amount of such fee, commission, percentage, gift or consideration and any other damages and shall be responsible for reporting the details of such breach or violation to the proper legal authorities where and when appropriate.

F. Affidavit. A sworn affidavit may be required to be submitted by each officer, employee, or agent of CONSULTANT who has been in contact or communicated with any officer, agent, or employee of COUNTY during the past calendar year concerning the provision of these services. The affidavit shall contain the following statement.

"I do solemnly swear that neither I, nor to the best of my knowledge, any member of my firm or company, have either directly or indirectly restrained free and competitive bidding for these consultive services by entering into any agreement, participating in any collusion, or otherwise taking any action unauthorized by the governing body of the County, or in violation of applicable law."

G. Amendments. Unless otherwise provided for in this agreement, all changes, including any increase or decrease in the amount of CONSULTANT's compensation, time schedule, or scope of services, which are mutually agreed upon by and between COUNTY and CONSULTANT, shall be incorporated in written amendments to this contract and signed by the

parties hereto. No alteration or variation in the terms of this agreement shall be valid unless made in writing as required herein.

H. Default. If either party defaults in the performance of the agreement or any of its covenants, terms, conditions, or provisions, the defaulting party shall pay all costs and expenses which may arise or accrue from enforcing the agreement or from pursuing any remedy provided thereunder.

ARTICLE XII

EXHIBITS AND SPECIAL PROVISIONS

A. Exhibits Included:

1. Exhibit A, Scope of Work
2. Exhibit B, Hourly Rate Schedule
3. Exhibit C, Cost Estimate
4. Exhibit D, Schedule

B. Total Agreement: This Agreement, (together with the exhibits identified above) constitutes the entire agreement between COUNTY and CONSULTANT and supersedes all prior written or oral understandings. This Agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument.

IN WITNESS WHEREOF, the parties have signed and subscribed their names hereon and have caused this agreement to be duly executed as of the day and year first set forth above.

WEBER COUNTY

By: _____
Commission Chair

Recommended for Approval:

County Engineer

ATTEST:

By: _____

Title: _____

CONSULTANT:
CONSULTANT'S NAME

By: _____

Title: _____

STATE OF UTAH)
 : §
County of _____)

On this _____ day of _____, in the year _____, before me,
(notary name) _____, a notary public, personally appeared,
(signer name) _____, proved on the basis of satisfactory evidence to be
the person(s) whose name is subscribed to this instrument, and acknowledged (s)he executed the
same.

Witness my hand and official seal.

NOTARY PUBLIC

Exhibit A



Upper Valley Sewer Study North

Solicitation #20-209

Weber County

August 11, 2020

Attachment B

Weber County RFP Form

1. Respondent Information: Provide the following information about yourself and your company.

Respondent Name: Sunrise Engineering, Inc.

(Note: give exact legal name as it will appear on the contract, if awarded.)

Address: 1481 East 5600 South, Suite E101

City: Ogden State: Utah Zip Code: 84403

Telephone No: 801.523.0100 Fax No: 801.523.0990

Business Structure:

Individual or Sole Proprietorship

Partnership

Corporation

Other; list business structure: _____

2. Contact information: List the one person who Weber County or their representative may contact concerning your proposal.

Name: Steve Hansen, PE

Address: 1481 East 5600 South, Suite E101

City: Ogden State: Utah Zip Code: 84403

Telephone No: 801.523.0100 Fax No: 801.523.0990

Email: shansen@sunrise-eng.com

3. References: Give names of three people with whom you have worked on past projects of similar nature.

A. Name: Justin Anderson, PE - Ogden City Engineer

Address: 2549 Washington Blvd

City: Ogden State: Utah Zip Code: 84401

Telephone No: 801.629.8982 Fax No: N/A

Email: justinanderson@ci.ogden.ut.us

B. Name: Taylor Nielsen, PE - Mountain Green Sewer Improvement District Board Member

Address: 5455 W Old Hwy Rd

City: Morgan State: Utah Zip Code: 84050

Telephone No: 801.940.4329 Fax No: N/A

Email: tayniels@gmail.com

C. Name: Dana Van Horn - Grand Water and Sewer Agency Manager

Address: 3025 East Spanish Trail Road

City: Moab State: Utah Zip Code: 84532

Telephone No: 435.259.8121 Fax No: N/A

Email: dana@grandwater.org



Executive Summary

Sunrise Engineering, Inc. has an office located in South Ogden, Weber County, Utah. We have been practicing engineering in the state for 42 years. A question frequently asked while reviewing proposals is, "What sets this engineering firm apart from the other firms?" Sunrise's qualifications and experience sets us apart from other firms and gives us the ability to address the County's needs efficiently and effectively.

QUALIFICATIONS

Sunrise has submitted a map as part of our qualifications which show similar projects we have worked on within a 50-mile radius of Ogden Valley. Approximately 11 similar projects have been completed by Sunrise Engineering, with the most recent study of Mountain Green Improvement Sewer District being completed last month.

Our team includes engineers who have worked in Weber County for years both publicly and privately, creating great relationships with key stakeholders. Our team includes two engineers who worked on the 2011 Huntsville Town Southern Ogden Valley Wastewater Collection and Treatment Capital Facilities Study. These team members are ready to provide valuable, unmatched experience in the Ogden Valley. Our team includes a funding expert who has helped communities obtain millions of dollars in loans and grants for Utah projects and who will be key in assisting with recommendations for obtaining funding and financing for selected wastewater collection and treatment options.

EXPERIENCE

Sunrise Engineering has experience in multiple wastewater studies, sewer system designs, lift station designs and sewer system designs. We have worked on sewer systems and studies for cities as large as Ogden to areas as small as Mountain Green. We not only have the local knowledge and background gained by performing the previous study in southern Ogden Valley, we have an expert team whose focus is wastewater.

Sunrise Engineering knows first-hand the meetings where sewers in this area have been discussed. We have had many conversations with Weber Morgan Health Department about the need to minimize nitrates being introduced into the Ogden Valley aquifer. We know both Powder Mountain Water and Sewer District along with Wolf Creek Water and Sewer District are at capacity.

BEST VALUE APPROACH

In this proposal we have broken our project approach into two tasks that will provide a successful outcome for the County. First, will be to assist the County with development of a managing organization for any recommended options along with recommendations for how to create this organization. We know there is a possibility of Wolf Creek Water and Sewer managing this area once the infrastructure is in place. There are multiple discussions about how this work needs to happen.

The second task is the technical study that will evaluate options and provide recommendations for collection and treatment in Ogden Valley. We know Weber County needs to understand how the recommendations from this study will be implemented, and what funding options are available to the county to construct the infrastructure.

COST

Included in this proposal is a separate cost proposal. The cost proposal is submitted in accordance with the standard process for Weber County. We have listed the individuals, their hourly rates, and averaged the hourly rates for the project.

Based on our qualifications, experience, approach, and cost, Sunrise Engineering is the firm to assist Weber County to produce high level planning for wastewater in Ogden Valley.

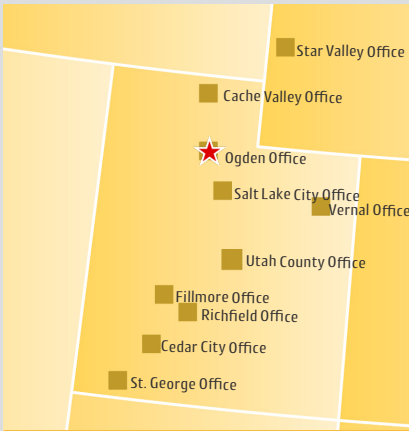
Qualifications - Sunrise Introduction

SUNRISE ENGINEERING, INC. was established in 1978 and is acknowledged as a regional leader for professional engineering and consulting services. Our multi-disciplinary practice serves both public and private clients in a diverse range of projects across the western United States. We have established a reputation for budgetary responsibility and engineering excellence, as evidenced by our receipt of the PSMJ National Client Satisfaction Award for eight consecutive years.

What this means for Weber County is that you get a firm with a track record of consistent client satisfaction who will provide you with the confidence that you will receive exceptional service and affordable engineering with the quality you're expecting.

When selecting Sunrise Engineering you are also choosing winning stability and a winning culture. We have been recognized nationally as one of ENR's Top 500 Design Firms for the past five years. Our wastewater team includes staff who have specialized in wastewater studies and wastewater treatment and collection design for their entire careers. Our team also includes the former Weber County Engineer who has history and knowledge of the Ogden Valley area and a working relationship with key stakeholders in the project such as Weber Morgan Health Department, Wolf Creek Water and Sewer District, and Powder Mountain Water and Sewer District.

Our local office is 15 minutes away from Weber County and 27 minutes from the project. Your main Sunrise contact will be our proposed project manager, Steve Hansen. This benefits Weber County in that Sunrise is not only close to the project, but has a project manager who knows the project area and who can respond quickly and well to the project needs of Weber County.



Sunrise Engineering Ogden Office:
 1481 East 5600 South, Suite E101
 South Ogden, Utah 84403
 801.523.0100

Sunrise Engineering Team Expertise:



WASTEWATER	CIVIL ENGINEERING	MUNICIPAL	WATER	STORM WATER
STRUCTURAL	TRAFFIC/TRANSPORTATION	ENVIRONMENTAL	PARKS, TRAILS, AND RECREATION	



3D SCANNING	TOPOGRAPHIC	CONSTRUCTION LAYOUT	LAND BOUNDARY
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STAKEHOLDER MEETINGS	PUBLIC OUTREACH	DIGITAL MEDIA	STAKEHOLDER NOTICES
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ADDITIONAL SUNRISE UTAH OFFICES

Salt Lake City, UT 801.523.0100	Vernal, UT 435.789.7364
Springville, UT 801.704.5220	St. George, UT 435.652.8450
Fillmore, UT 435.743.6151	Richfield, UT 435.689.0299
Cache Valley, UT 435.563.3734	Cedar City, UT 435.867.8834



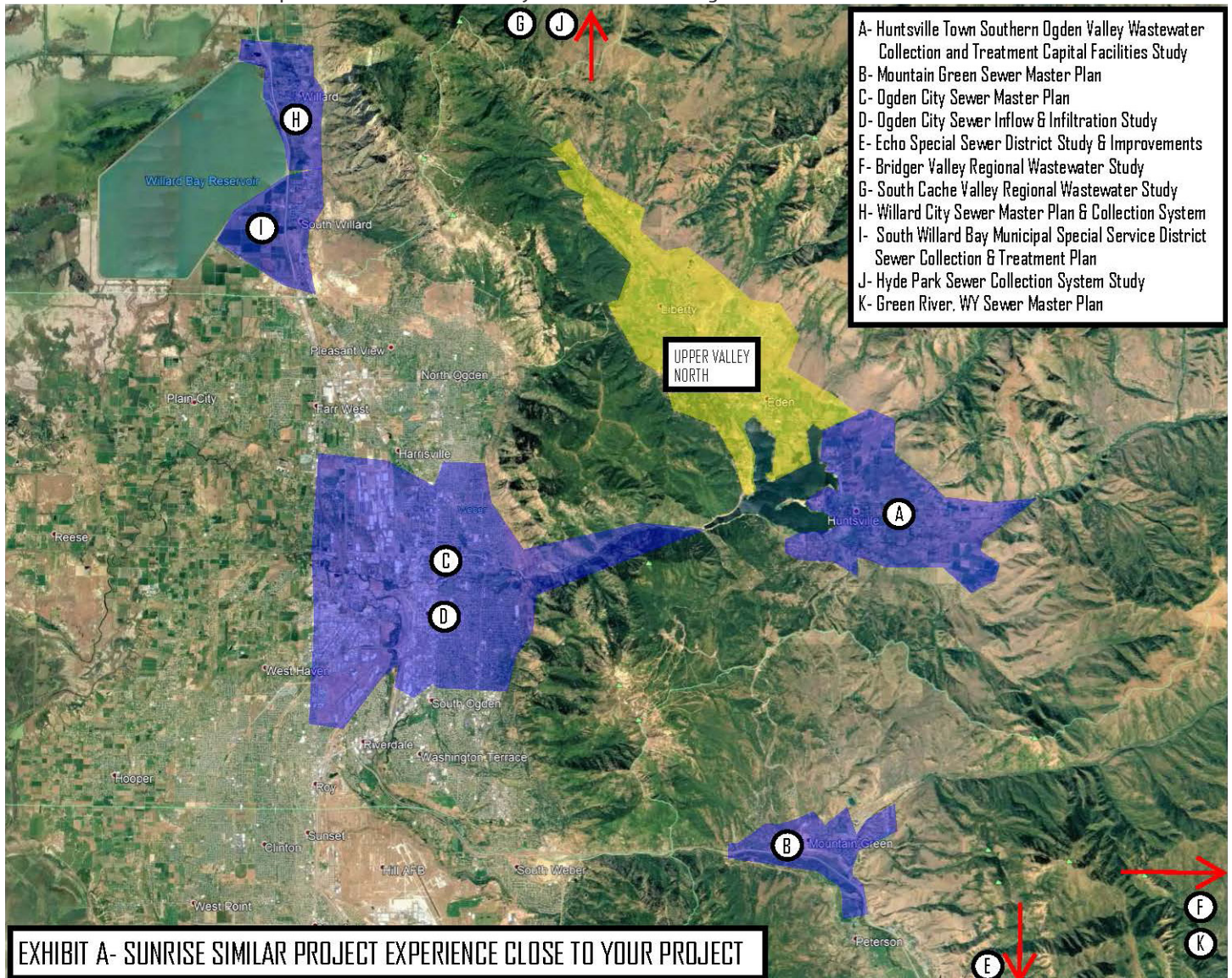
Our clients can depend on us to carefully administer projects from conceptualization through construction administration. For a more detailed description of our company, please visit our website at www.sunrise-eng.com.

Qualifications

Sunrise Engineering is more qualified than any other firm to complete this sewer study. We have completed sewer studies and evaluations in Ogden Valley and for surrounding communities located within and adjacent to Weber County, which has provided our engineering team with the following qualifications that directly benefit Weber County in application to your project.

1. Sunrise has knowledge of the geology, geography, groundwater patterns, and environmental factors in Ogden Valley.
2. Sunrise has a working relationship with the key stakeholders, politicians, operators, state agencies, and residents who will have a voice in this project.
3. The Sunrise team has actual working experience with the existing governing entities and stake holders in the region including Weber Morgan Health Department, Weber County, Wolf Creek Water and Sewer District, Powder Mountain Water & Sewer District, Nordic Mountain, and residents of Eden and Liberty.
4. Our project team is knowledgeable and understands the laws and requirements of the Utah Department of Environmental Quality (DEQ).
5. Sunrise has helped rural communities obtain funding and financial assistance to complete sewer studies and projects.
6. Sunrise has assisted with the formation of special service districts and governing entities associated with sewer systems.

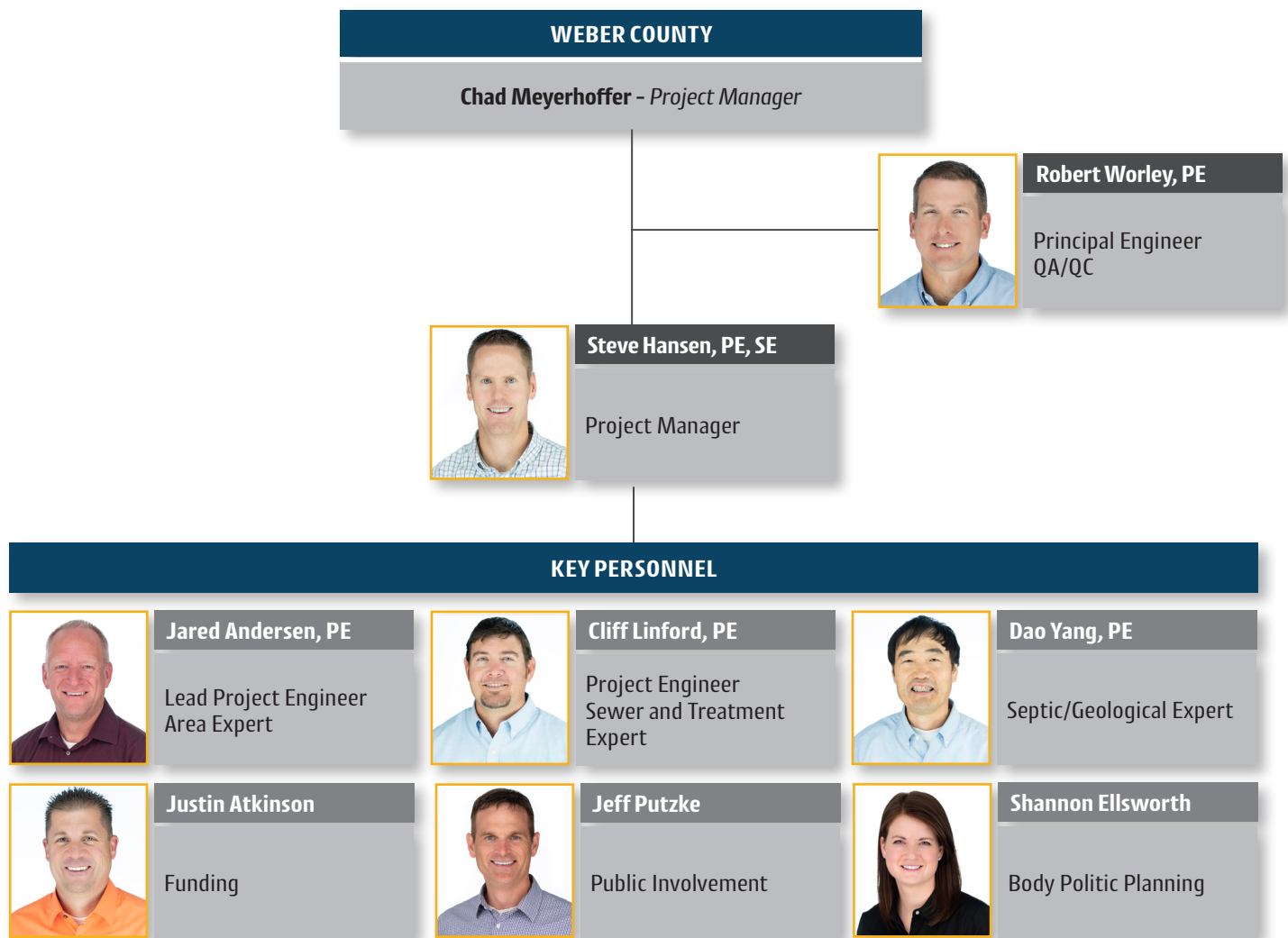
Recent sewer studies we have performed in Weber County and the surrounding area are shown below in Exhibit A.



Qualifications - Key Individuals

ABILITY TO PERFORM THE WORK

The key members of the Sunrise team have worked together on wastewater and other similar projects for over ten years. Having this successful team relationship allows our team to work together efficiently and to communicate and coordinate effectively with each other throughout the duration of the project. Each team member has a specialty that is essential to the success of your project. This benefits the County as you can rely on each team member as an expert in their field and know that your project team has the technical expertise required to provide a comprehensive, detailed, accurate study. An organizational chart depicting the project team is below.



Team Availability

Each of the team members shown above will be available to perform the necessary duties and tasks associated with this project. Each member of the team has demonstrated extreme professionalism on previous projects when it comes to going the extra mile and doing what it takes to finish projects on time and with high quality. Also, Sunrise Engineering has several offices located in Utah. If a project deadline is such that additional resources are required, we can get assistance from our excellent staff at our other offices. The following pages describe specifically how each member of our team will benefit Weber County.



Experience

Recent Wastewater Study Experience

	Survey/GIS	Hydraulic Modeling	I & I Analysis	Existing System Assessment	Alternative System Study	CIP Recommendations	Cost Estimates	Impact Fee Analysis
Mountain Green Sewer District Impact Fee Facilities Plan	●	●		●	●	●	●	●
Ogden City Wastewater Master Plan	●	●		●		●	●	
Ogden City Sanitary Sewer Inflow and Infiltration Study	●	●	●	●		●	●	
Green River, Wyoming Sewer Master Plan	●	●		●	●	●	●	●
Bridger Valley Regional Wastewater Study	●	●		●	●	●	●	●
South Cache Valley Regional Wastewater Study	●	●		●	●	●	●	●
Delta City Wastewater Master Plan	●	●		●	●	●	●	
Ephraim City Wastewater Master Plan	●	●	●	●	●	●	●	
Fillmore Wastewater Master Plan	●	●	●	●	●	●	●	●
Manti City Wastewater Master Plan	●	●	●	●	●	●	●	●
Green River, Utah Wastewater Master Plan	●	●		●	●	●	●	●
Grand Water and Sewer Service Agency Wastewater Treatment Study (Spanish Valley)	●			●		●	●	●

RECENT SEWER SYSTEM DESIGN EXPERIENCE

- Montpelier, ID 8” to 18”
- Ogden Sewer Replacements 2017, 18”, 21”
- Ogden 14th St. Phase 1, 18”
- Ogden 14th St. Phase 2, 18”
- Willard Utah New Sewer System, 8” to 36”
- Ogden 27th St Sewer, 18”
- Stockton, UT Sewer, 10”
- Eureka Sewer, UT 8”, 10”
- Provo, UT Sewer Projects, 8” 18”
- Casa Grande- Hila Bend Highway, AZ 24”
- Casa Grande- East Area Sewer, AZ 24”, 30”, 36”
- Casa Grande- Commerce Park, AZ 18”
- Queen Creek- Riggs Road Interceptor, AZ 18”
- Manila, UT Sewer System 12”

RECENT LIFT STATION EXPERIENCE

- Orem Carterville Lift Station
- Orem Springwater Lift Station
- Spanish Fork Southwest Regional Lift Station
- Provo Westside Lift Station
- Fairview Wastewater Treatment Plant Lift Station
- Centerfield Lift Station
- Mt. Vista Force Main and Lift Station Improvements
- Nibley Wastewater Lift Station
- Bear Lake SSD Wastewater Expansion Project
- Green River, WY Lift Stations (3)
- Smithfield Lift Station
- Perry/Willard WWTP Lift Station
- South Willard Lift Station

NEW SEWER SYSTEM DESIGN EXPERIENCE

- Willard, UT Sewer System
- Bear Lake SSD Wastewater Sewer Expansion
- Nibley Sewer System
- Echo, UT Sewer System
- Hyde Park Sewer
- Richmond Sewer System
- Stockton Town Wastewater Project
- Fairview Wastewater Treatment Facility

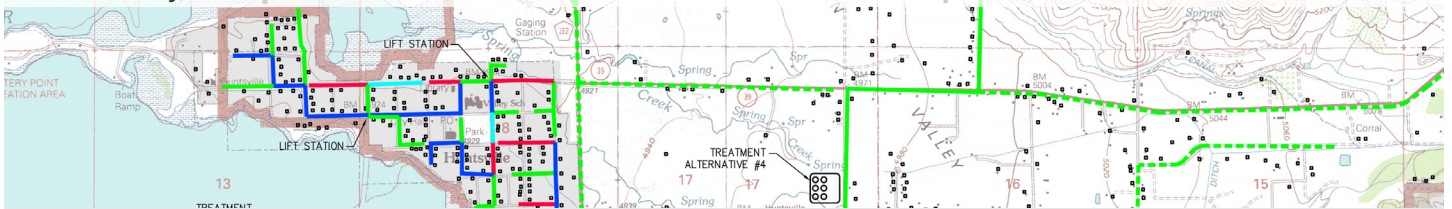
Sewer Study Experience in Ogden Valley

Sunrise Engineering performed the sewer study for Huntsville and the South Ogden Valley Area. As part of the study, we were required to familiarize ourselves with the Ogden Valley. We met with stakeholders, and participated in public involvement meetings. We researched the area, the geology, the groundwater trends, and the existing sewer infrastructure. As part of the study we performed a Phase 1 Environmental Study. The purpose for this was to identify potential environmental issues that would restrict progress of a potential project and to position the Town in a favorable position for State and Federal funding.

One lead project engineer, Jared Anderson, worked with the Wolf Creek Water and Sewer District and the Powder Mountain Water and Sewer District as the Weber County Engineer. He is also very familiar with the Bailey Acres Sewer System maintained by Weber County. His previous employment also helped him develop relationships with critical stakeholders in the Ogden Valley.

HUNTSVILLE TOWN SOUTHERN OGDEN VALLEY WASTEWATER COLLECTION AND TREATMENT FACILITIES STUDY

Weber County, Utah



Details: In 2010, Huntsville Town was ranked as the number one top priority on the wastewater treatment project priority list of the Utah Department of Environmental Quality. The DEQ also had concerns over water quality of Pineview Reservoir, which is categorized as an impaired and protected body of water. The DEQ determined that one of the easiest methods of helping to improve the water quality is to eliminate septic tanks and septic drain fields by means of wastewater treatment. After submitting a proposal, and going through a firm interview process, Sunrise was selected to perform a study to investigate the possibilities of a collection system and wastewater treatment plant, and to determine the most appropriate option for the 20-year planning period. Sunrise performed a Phase 1 Environmental Study for the area and investigated several treatment and collection options. The results of the study were presented to Huntsville Town Council for implementation. The Council chose to delay implementation of the recommendation due to funding issues and priorities.

Application to Weber County: This study has direct application to this proposed Weber County project. First, it is located in the same valley, Ogden Valley. Second, the current septic and leach fields are affecting the same body of water, Pine View Reservoir. Another similar concern is that the contaminated ground water may reach the confined aquifer used for drinking water. The environmental issues that were researched will apply to your project. Specifically, information on geology, soil characteristics, fish and wildlife, and other environmental impacts will be identical.

KEY TEAM MEMBERS:



YEAR: 2011

MOUNTAIN GREEN WASTEWATER MASTER PLAN

Mountain Green, Utah



Details: Mountain Green City contracted with Sunrise Engineering to develop wastewater treatment facility design options. The City had four main goals: nutrient removal, increased capacity, scalability for future growth, and reuse of effluent. To better understand Mountain Green’s needs, a wastewater master plan and full feasibility analysis was performed.

Sunrise Engineering evaluated Mountain Green’s existing wastewater system under current and projected loadings through the study period in accordance with the Utah Division of Water Quality guidelines. The wastewater evaluation includes converting the GIS collection system into InfoSewer to perform hydraulic modeling, and the evaluation of pipeline material, video, images, and logs of previous problem areas. We are also conducting a lift station evaluation, treatment plant expansion evaluation/feasibility study, reuse evaluation, capital facilities plan, and impact fee analysis.

Application to Weber County: This study has direct application to the proposed Weber County project. The size and terrain involved in the Mountain Green project will be very similar to the proposed project. We analyzed existing systems and how they will correlate with existing septic systems and future transition to a collection system. The funding agencies Sunrise worked with will have the same availability of funds. We are actively engaged in looking for all and any funding opportunities for Mountain Green.

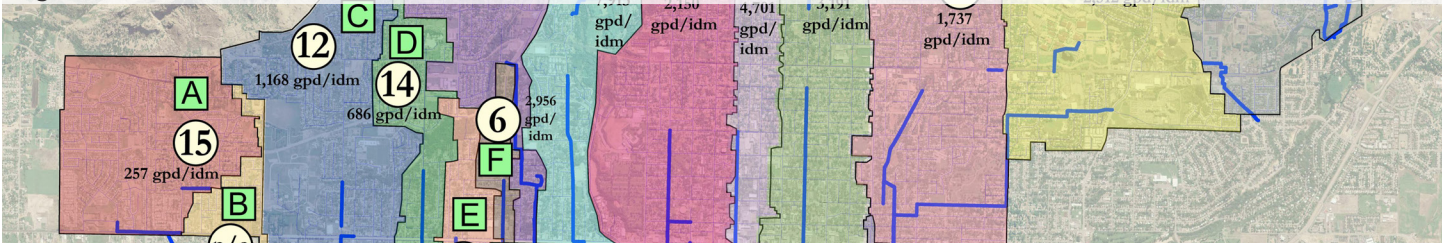
KEY TEAM MEMBERS:



YEAR: 2020

OGDEN CITY WASTEWATER MASTER PLAN

Ogden, Utah



Details: Ogden City drastically needed an update to their sewer master plan. The last report was completed in 2000 and had only a fraction of the critical data needed by the City to use in planning for the future needs of the community. The existing report focused only on major interceptor lines and was void of a comprehensive model of the sewer system which is a crucial part of understanding the overall current and future functionality of the system. Upon completion of the master plan and modeling, the City will be more aware and better able to understand the deficiencies currently impacting the community. Furthermore, this plan will serve as the backbone for future capital improvements that will be required by the City within the next 20 years. The City will be in a better position than ever before to make responsible and informed decisions regarding the wastewater needs of the community with the financial resources available. The sewer master plan was challenging because there were 6,000 manholes needing to be field surveyed and physically documented along 310 miles of pipe. As the timeline to the project was set aggressively, the system had to be modeled by our engineering staff as the data was retrieved on a daily basis by our field personnel.

Application to Weber County: This project is applicable to the Weber County project in that modeling of proposed areas needed to take place to evaluate all infrastructure. Size and capacity of the mainline and lateral lines for the Weber County project will be critical in determining lift station location and options, along with mainline sewer design.

KEY TEAM MEMBERS:



YEAR: 2017

BRIDGER VALLEY REGIONAL WASTEWATER STUDY

Bridger Valley, Wyoming



Details: The purpose of this project was to perform a regional sewer conveyance and wastewater treatment study for the Bridger Valley in Wyoming. The towns of Fort Bridger, Mountain View, Urie, and Lyman, Wyoming had their own sewer collection and treatment facilities. The facilities for these towns were nearing or were out of compliance with WYDEQ for contaminants harmful to humans and animals. The Blacks Fork and Smiths Fork River systems were on the Wyoming 303(d) list for impairment due to excessive levels of fecal coli form. The study evaluated the existing conditions of all the sewer systems in the valley and looked at regionalizing the wastewater conveyance and treatment in the valley. Several options were evaluated, cost estimates were presented, and recommendations were provided for regionalization of the wastewater systems. Sunrise was able to coordinate with multiple entities to provide wastewater solutions for the valley.

Application to Weber County: This project was similar in that there are multiple existing separate sewer systems in Bridger Valley. The treatment systems are primarily leach fields or lagoon systems. Your project will require significant coordination between existing entities, as did this study. Regionalization options were examined. Several treatment plant options were looked at. The report and findings were produced along with and presented to stakeholders, business, government officials, and affected residents.

KEY TEAM MEMBERS:



YEAR: 2009

Best Value/Approach

As shown in our project experience, Sunrise has completed many sewer studies similar to this project. Sunrise has a general approach for high-level studies that has worked well on past projects that will be implemented for the Upper Valley North Sewer Study. For high-level studies involving regionalization and transition from septic to some sort of collection and treatment, there are typically several moving parts that all need to be researched and coordinated in order to make progress and gain traction for any sort of implementation. Our general approach for this project will be to separate the project into two parts as shown below.

PART A- BODY POLITIC PLANNING

Team Specialists: *Shannon Ellsworth, Jeff Putzke, Jared Andersen*

Approach: A significant part of this study involves determining a recommended option for a managing organization that would be responsible to ensure safe collection and treatment of wastewater in the Upper Ogden Valley. The best option for this at this point is unknown. Our approach to this will be to meet with the existing sewer entities in the area to understand their existing situation and to gauge interest in potential expansion and regionalization. The other option would be to meet with State and County authorities to discuss the forming of a new wastewater governing body. These meetings will facilitate the understanding of the politics in the Upper Valley North Area and help achieve the end goal of providing a recommendation for a future wastewater managing organization in the valley. Our meetings and research will be focused on answering the following questions:

- Is a new special service district required? Who would it be made up of?
- Can the existing districts expand and encompass the required area?
- Can the existing districts join together for the formation of a regional special service district?
- What is in the best interest of each of the existing organizations?
- What concessions will need to be made by existing districts? Are they willing to make concessions?
- What is in the best interest of the residents and business owners?

The end goal will be to establish options for implementation, or formation, of the managing organization for a wastewater collection and treatment system for Upper Valley North Study Area. In establishing options, our team will work with Weber County to analyze the pros and cons of the different options along with the financial impacts to residents and stakeholders. All of the implementation options will follow the laws required in Utah Code 17d. If a special service district needs to be formed, the procedures and requirements found in Utah Code 17d-1-201 to 212 will be followed.

Team Involvement: Shannon Ellsworth will lead the charge in vetting out the available options for a managing organization in the Upper Valley North Study Area. Shannon is energetic and enthusiastic when it comes to assisting communities form governing bodies. She is our specialist in community planning and thrives on helping communities maximize their resources to achieve results.

Jeff Putzke will assist as necessary with public involvement. He is a highly-skilled communicator and will be responsible for data acquisition from residents and businesses, along with organizing and holding meetings as necessary for involvement of the public.

Jared Andersen, in his previous employment as Weber County Engineer, has a working relationship with the individuals and governing bodies of the existing entities. He will assist with coordination between entities and facilitate the communication process between stakeholders to help determine viable options and strategies for formation of a governing organization. His role will be critical in setting up and attending meetings with the key individuals in order to obtain input from all relevant entities.

As stated above, Sunrise Engineering has the team available to assist the county with body politic planning. Our specialists are excited to help. This type of work is what they excel in. You can rest assured that you won't have untrained engineers or EITs trying to perform the delicate communication tasks associated with these type of politics. Body politic planning is a critical element of this project, and if not done correctly will result in separate entities going their own way instead of coming together to provide a valley-wide solution for wastewater solutions.

Part B- TECHNICAL SEWER STUDY

Team Specialists: *Steve Hansen, Robert Worley, Jared Andersen, Dao Yang, Cliff Linford*

Approach: Our general approach for the technical part of this study will be to break it into bite-sized pieces that can be written, checked for accuracy, and reviewed each as self-standing documents. These pieces, or sections of the report, will be written as a series of technical memos. The final sewer study report will be made up of all or the technical memos, and will include an executive summary.

Our experience shows that this approach will **benefit Weber County** by maximizing the effectiveness of each of the project team members, allowing for each team member to focus work on achieving the objectives of each technical memo. This approach also allows for clear and constant communication between the researchers, stakeholders, and the county. Separate technical memos simplify the review process for the County and existing

wastewater entities. All interested parties are giving feedback constantly during the process.

An example of efficiency is that the wastewater team can be focused on the technical memo providing options for solutions at the same time that the environmental group is researching environmental impacts. Another advantage is that the technical memo on population and projected flows can be completed, reviewed, and approved by stakeholders early in the process, avoiding re-work and major hiccups that would result from having review of a large document after completion.

In the end, this high-level study becomes a collaborative effort by all parties involved, such that all stakeholders have helped produced a document recommending a workable solution for wastewater collection and treatment in the area.

For the Upper Valley North project, we anticipate the breakdown of technical memorandums to be as follows:

Technical Memo 1- Summary of Existing Studies and Research

There are two existing documents that are relevant to this sewer study:

- Huntsville & Southern Ogden Valley Wastewater Study 2011
- Special Study 165 from the Utah Geological Survey “Characterization of the Groundwater System in Ogden Valley, Weber County, Utah, with emphasis on Groundwater-Surface-Water Interaction and the Groundwater Budget” 2019

Sunrise will review and summarize these two documents in order to provide pertinent and relevant information related to this sewer study. From the Southern Ogden Valley Wastewater Study we will ask the questions, “What is the same in the north part of the valley?” and “What parts of this study can be directly applied to the North part of the valley?” We will look for patterns and characteristics that apply to the valley as a whole. The review will also review the population projections of the South Valley and assess the accuracy of the original assumptions for growth and projected flows, which will then be directly applied to the north part of the valley. We will also take notes regarding possibilities or critical features that will aid in regionalization concept discussions.

The groundwater study performed in 2019 is a significant driving factor for this study. The study researched nitrates in the groundwater being leached by septic tanks. This study includes a mass balance model on nitrates in the groundwater and projects that adding as few as 1540 septic tanks, coupled with a change in residency to full-time housing occupancy could result in the nitrate level in groundwater increasing by 1 mg/L on average. The study states that there is a high likelihood that some individual wells will exceed the primary drinking water standard of 10 mg/L for nitrates.

The information in this study is critical. Review of the data from this study will drive the decisions and concepts presented in the study. Our technical experts will review this document closely. The recommendations provided in our report will rely on the science provided in this study.

Technical Memo 2- Background Information and Planning Area

This document will define the project area and the planning region boundaries along with identifying key areas, stakeholders, and existing wastewater systems within the planning region. It will also describe the existing environment in the planning region and existing condition of the river systems and waterways.

The Weber-Morgan health department has published the following map (Exhibit B) showing the existing known wastewater disposal systems in the Ogden Valley. The systems in the north include Durfee Creek, Camp Utaba, Bailey Acres, Wolf Creek Water and Sewer District, Powder Mountain Water and Sewer District, Snowcrest Jr. High, Valley Elementary, Crimson Ridge/Pineview West/Radford Hills, and non-community septic tank systems.

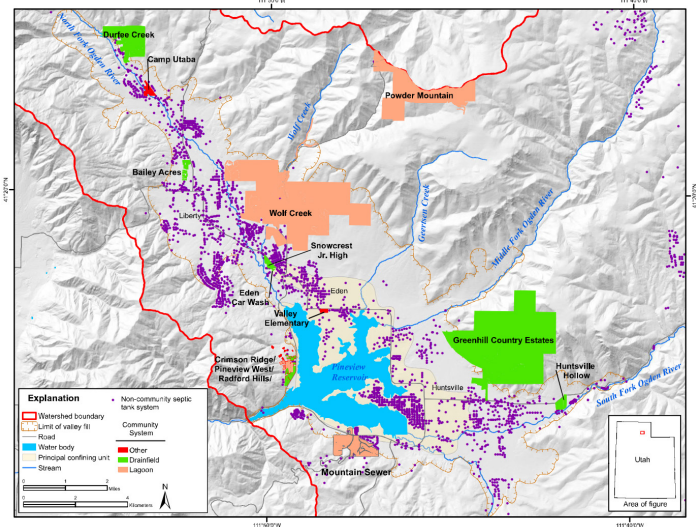


Figure 6. Ogden Valley wastewater disposal systems in approximately 2015; data from Weber-Morgan Health Department (2017).

Technical Memo 3- Population Study & Wastewater Flows (Existing and Future)

This memo will evaluate existing and future population in Ogden Valley using existing population data for the area. Our team members will research growth trends and make projections for growth in the valley. Projections will be reviewed and approved by Weber County and stakeholders. From the population data, existing wastewater flows will be determined. Comparisons will be made between actual flows and design flow requirements of Utah DEQ. This document will also provide projections for future wastewater flows anticipated in the valley. These projections will be used in analysis of other memos.



Technical Memo 4- Phase 1 Environmental Study

This document will be a summary of the Phase 1 Environmental Study required to understand available options for wastewater treatment in the Upper Valley North Area. Our team member, Dao Yang, will lead the charge in this effort. He is very familiar with the area as he completed the Phase 1 study for South Ogden Valley. Dao will contact state and federal agencies to determine any historical and archaeological impacts, boundaries and locations of floodplains and wetlands, agricultural impacts, fish and wildlife concerns, endangered species investigation, and water quality and quantity analysis. His findings and impacts to potential wastewater systems will be summarized in this document.

Technical Memo 5- Collection & Treatment Option Evaluation

This document will discuss options for collection and treatment within the Upper Valley North study area. One challenge of this particular project is to do a scoring matrix without a client's involvement. Therefore, we will want to invite some of the stake holders to some work meetings to discuss the pros and cons of the various treatment methods (ideally, from each of the entity that may be combined at some point). The options will include potential regionalization with the Southern Valley. Each option discussed will include pros and cons along with the specific impacts on existing residents, businesses, stakeholders, and sewer system entities. Heavy emphasis will need to be placed on capacity of existing systems and potential to increase capacity if any. The options will be narrowed down in order to be included in community workshop discussions. Also included with the options will be high level budget/cost estimates of different options, recommendations for treatment options, generalized maps that identify where the treatment will be located, and how the collection areas will get there.

Robert Worley is our treatment expert. He will provide valuable insight into what options are viable considering the environment along with requirements of DEQ. Robert has been focused on water and wastewater treatment and engineering for his entire career.

Technical Memo 6- Community Involvement and Workshop Summary

Sunrise will hold planning workshops and meetings to discuss development of solutions, costs, interest from stakeholders, and feasibility. The results, findings, and details of these meetings will be discussed in this memo. Jeff Putzke will be involved with organizing and leading public work sessions, and ensuring efficient meetings. Jared Andersen, with his knowledge of the local residents and key individuals, will also be a critical player in organizing, attending, and communicating with stakeholders.

Technical Memo 7- Recommendations and Implementation Plan

This document will provide recommendations and an implementation plan based off of the work sessions and Weber County review. This section will use all of the data and information from the previous memos to provide recommendations and implementation direction for Weber County. This memo will define the clear path forward, along with the costs and meetings required to progress to a solution.

Technical Memo 8- Funding Options, Financing, and User Rate Study

This memo will discuss the funding of the recommendations as required. This document will outline available grants and loans available. The memo will also show potential user rates, from a high level analysis perspective. The document may also recommend impact fees.

Justin Atkinson is our funding specialist and has assisted several communities with obtaining millions of dollars in funding throughout his career. He has working relationships with individuals at the funding agencies such as Utah DEQ Water Quality, CIB, Bureau of Reclamation, USDA Rural Development, and even public finance institutions.

Technical Memo 9- Sewer Study Summary

This document will summarize the results and conclusions from all previous technical memos. This will be the glue document that will be used for implementing the plan to move forward. It will also summarize the results of Part A, the body politic planning. The summary will be a location where the reader can get the quick results of the study, without diving into all of the technical details.

Our engineering team has thought through the process of producing this technical document for Weber County. We understand the work required and tasks necessary for successful completion of the project. We also understand the importance of receiving detailed review and “buy-off” from Weber County and the affected entities involved with the study. Our approach is focused on simplifying the collaboration between entities and producing a comprehensive study resulting from successful collaboration between our engineering team, Weber County, existing wastewater entities, businesses, and residents.

References

OGDEN CITY



Reference:

Justin Anderson
Ogden City Engineer
801.629.8982

Sewer System Projects:

- Ogden City Wastewater Master Plan
- Ogden City Sanitary Sewer Inflow and Infiltration Study
- Ogden 27th Street Sanitary Sewer Phase I and II
- Ogden City 14th Street Sanitary Sewer Phase I and II
- Ogden 975 East Sewer Main Replacement
- Ogden Sewer Rehabilitation 2017
- Ogden City Washington Blvd. and Ogden River Slip Line

MOUNTAIN GREEN SEWER IMPROVEMENT DISTRICT



Reference:

Taylor Nielsen
Board Member
801.940.4329

Sewer System Projects:

- Mountain Green Wastewater Master Plan
- Mountain Green Wastewater Treatment Plant

GRAND WATER AND SEWER AGENCY



Reference:

Dana Van Horn
Agency Manager
435.259.8121

Sewer System Projects:

- GWSSA Water and Wastewater Impact Fee
- GWSSA Wastewater Treatment Study
- Spanish Valley Sewer Project

Cost

Wastewater studies of this size often require many meetings mainly with the public, governmental agencies, and stakeholders. Sunrise has tried to estimate this time as best as possible. Approximately a third of our total estimated costs for this project is for meetings. The cost could be reduced drastically depending on how many meetings are needed. Upon request, Sunrise can provide a breakdown of each person's hourly rate and estimated time they will spend on the project.

Team Experience



STEVE HANSEN, PE
Project Manager

REGISTRATIONS:
PE Utah No. 5048199

YEARS IN PROFESSION:
17; 12 with Sunrise

Steve has extensive experience with performing sewer studies. He has performed sewer studies looking at alternative methods for treatment and regionalization. He was the project manager for the Bridger Valley Regional Wastewater study that looked at several different alternatives for collection and distribution along with treatment. Steve was also the project manager for the Ogden City Sanitary Sewer inflow and Infiltration study and was a major contributor to the Mountain Green Sewer Master Plan, the Ogden Sewer Master Plan, and the South Cache Valley Regional Wastewater Study. He is experienced with sewer modeling. He modeled the sewer system for Green River, Wyoming. Steve will be responsible to ensure that deadlines for your project are met, and that the project objectives are obtained.

Project Experience:

Sewer Master Planning and Studies

- Mountain Green Sewer District Wastewater Master Plan 2020
- Ogden City Wastewater Master Plan
- Ogden City Sanitary Sewer Inflow and Infiltration Study
- Green River Sewer Master Plan
- Bridger Valley Regional Wastewater Plan
- South Cache Valley Regional

Wastewater Study

- Echo Sewer Study and Collection Project
- South Willard Bay Municipal Special Service District Sewer Collection & Treatment Plan

Sewer Modeling

- Ogden City Sewer Model
 - 5,550 Manholes Stations
 - 28,700 ERUs • 277 Miles of Pipe
 - Two Lift

• Green River Sewer Model

- 1300 Manholes Connections
- 4,492 • 75 Miles of Pipe

Lift Stations

- Orem Carterville Lift Station
- Orem Springwater Lift Station
- Spanish Fork Southwest Regional Lift Station
- Centerfield Lift Station

ROBERT WORLEY, PE
Principal Engineer/QA/QC

REGISTRATIONS:
PE Utah No. 375477

YEARS IN PROFESSION:
20; 20 with Sunrise

Robert has 20 years of engineering experience which includes, master plans, and impact fee analyses, wastewater treatment plants, wastewater lift stations, sewer collection, culinary water treatment plants, culinary water pump stations, and water and wastewater capital facilities plans. He has managed over 25 water and wastewater projects. Robert will apply his knowledge, expertise, and overall care to ensure the quality of this project meets the standards, budget, and quality of service Sunrise Engineering has gained notoriety for. He will provide the technical review of the report and ensure that the engineering is correct and accurate. He will lead the treatment options evaluation technical memo and be able to provide recommendations and insight.



Project Experience:

Sewer Master Planning and Studies

- Mountain Green Sewer District Wastewater Master Plan 2020
- Ogden City 2015 I & I Study
- Ogden City 2014 Wastewater Master Plan
- Delta City Wastewater Master Plan
- Ephraim City Wastewater Master Plan
- Fillmore Wastewater Master Plan
- Manti City Wastewater Master Plan

- Grand Water and Sewer Service Agency Wastewater Treatment Study -(Spanish Valley)

Lift Stations

- Fairview Wastewater Treatment Plant Project Including Lift Station
- Willard/Perry Wastewater Treatment Plant Including Lift Station
- Provo Westside Lift Station
- Spanish Fork Regional Sewer Lift Station

Sewer Design

- Eureka City Wastewater Improvements Project
- Fillmore City Sewer System Upgrades
- Stockton Town Wastewater Collection System

Treatment Plants

- Fairview Wastewater
- Willard/Parry Wastewater
- Big Park Wastewater

**JARED ANDERSEN, PE***Lead Project Engineer/Area Expert***REGISTRATIONS:**

PE Utah No. 5047149

YEARS IN PROFESSION:

18; 1 with Sunrise

Jared Andersen has been with Sunrise Engineering for almost a year. His previous experience was as the Weber County Engineer. This provided him with opportunities to network with the entities in Weber County and build working relationships with the special service districts in Ogden Valley. Jared has worked personally with the Wolf Creek Water and Sewer Improvement District, Nordic Valley, the Power Mountain water and Sewer District, and the Weber Morgan Health Department. This will benefit the county in that Jared will be able to assist in the process of bringing all of the stakeholders to the table and will understand the multiple impacts that recommended solutions will have on each entity. His knowledge of Ogden Valley and its people is unmatched by any other consultant.

Project Experience:

- Kaysville 1.0 MG Tank
- Kennecott Utah Copper Civil/Structural Engineering Support
- Mountain Green SID Wastewater Master Plan
- Mountain Green SID Wastewater Treatment Expansion Feasibility Study
- Ogden Monroe Park
- SLCDPU 10th E 500 S PRV Station

Previous Employer Experience

- 12th Street Vacuum Sewer System Evaluation
- Western Weber Sewer Master Plan
- Lift Station Analysis for Western Weber Large Subdivisions
- Western Weber Impact Fee Analysis/Capital Facilities Plan
- Radford Hills Sewer System Management

- Bailey Acres Sewer System Management
- Crimson Ridge Sewer System Management

CLIFF LINFORD, PE*Project Engineer***REGISTRATIONS:**

PE Utah No. 6311187

YEARS IN PROFESSION:

18; 17 with Sunrise

Cliff Linford has excellent leadership skills and project management abilities. He has experience managing from small to large multi-discipline projects. He is an expert in master planning and modeling culinary water systems and wastewater collection systems. His recent wastewater experience includes the Mountain Green Sewer Improvement District Master Plan and Wastewater Treatment Expansion Feasibility Study. He also assisted with the Huntsville Town Southern Ogden Valley Wastewater Collection and Treatment study in 2011. He has specific knowledge of Ogden Valley, specifically the well field owned by Ogden City. He has also completed other projects in the proximity of the Upper Valley and is knowledgeable of the stakeholders in the area.

**Project Experience:**Wastewater Improvement Projects

- Provo Sewer Lining and Bursting Projects
- Ogden 27th Street Phase I (2,300 replacement)
- Ogden 27th Street Phase II (800 replacement)
- Ogden 14th Street Phase I (3,000 LF 18" replacement, 1,500 LF of CIPP)

- Ogden 14th Street Phase II (3,000 LF 18" replacement)
- Ogden 975 East Sewer Replacement (1,100 LF 10")

Wastewater Collection Systems

- Willard Collection System (20,000 LF of gravity sewer collection, 9,400 LF of force main)
- Manila Wastewater Extension

Sewer Master Planning

- Mountain Green SID Wastewater Master Plan
- Mountain Green SID Wastewater Treatment Expansion Feasibility Study
- Ogden City Wastewater
- Ogden I&I Study
- Green River Wastewater



DAO YANG, PE
Project Engineer

REGISTRATIONS:
PE Utah No. 2601202

YEARS IN PROFESSION:
36; 19 with Sunrise

Dao has been involved in a variety of disciplines over his 35 years of professional experience including geotechnical engineering, geothermal resource investigations and assessment, hydraulics, hydrology, environmental investigations, hydrogeology, environmental assessments and groundwater flow and contaminant modeling. Dao participated heavily in the Huntsville Town Southern Ogden Valley study performed in 2011. Dao performed the phase 1 environmental review for the area. As such, Dao is knowledgeable of the environmental factors that play a role in the development of sewer studies. Specifically, for the southern Ogden valley he has researched the following:

Project Experience:

Ogden Valley Environmental Assessments

- Historical and Archaeological Impacts
- Floodplains and Wetlands
- Agricultural Lands
- Wild and Scenic Rivers
- Fish and Wildlife in the valleys waters
- Endangered Species in the Valley and surrounding area
- Air Quality
- Water Quality and Quantity

Environmental Experience

- Big Water Town Water Improvements Project EA
- Deep Horizon Farms Kanosh Property Phase I ESA
- Eagle Mountain 2.0 MG Water Tank EA
- East Millard County Phase I ESA
- Eureka Water and Wastewater EA Amendment
- Fairview Culinary Water Improvements Project EA

- Fillmore Water Systems Improvements EA
- GWSSA Water Improvements Project EA
- Herriman 2.0 MG & 5.0 MG Water Storage Tank
- Herriman Culinary and Secondary Water Master Plan
- Herriman Culinary Water Improvements
- Herriman Equestrian Center Environmental Checklist
- Hwy-138 Improvements Project Environmental Document

JUSTIN ATKINSON
Funding

REGISTRATIONS:
N/A

YEARS IN PROFESSION:
28; 28 with Sunrise

Justin has been successful in obtaining millions of dollars in low interest loans and grants for Utah projects that include water, sewer, roads, buildings and irrigation projects. He has a close relationship with the agencies and boards that allocate money for a wide range of engineering projects and has knowledge of State and Federal agencies and their requirements.



Project Experience:

Client Funding Experience

- Mountain Green Sewer District
- Centerfield City
- Fairview City
- Green River
- Hildale City
- Moroni City
- Mt. Pleasant City
- Sanpete County

- Summit Culinary Water
- Wellington City
- Woodland Mutual Water Co.

Agency Experience

- Community Impact Board
- Drinking Water Board
- Division of Water Quality
- Division of Water Resources
- USDA-Rural Development
- UDOT

- Economic Development Administration
- UDOT/Utah Outdoor Recreation Grant
- Community Development Block Grant



JEFF PUTZKE
Public Involvement

REGISTRATIONS:
N/A

YEARS IN PROFESSION:
5; 1 with Sunrise

Jeff is Sunrise Engineering’s Public Involvement Manager. His experience includes community outreach and involvement for municipalities and state agencies throughout Utah. He has successfully gained public support through communications programs for projects including the Ron Wood Park in West Jordan, Utah, and the US 6 Rehabilitation project for the Utah Department of Transportation. Jeff brings diverse experience that will provide fresh and unique ideas to your project. Prior to joining Sunrise, Jeff contributed his knowledge and skills to many public outreach campaigns for community events, charitable groups, and non-profit organizations.

Certifications:

- Planning and Techniques Certification, Intl. Assoc. of Public Participation (IAP2)
- Public Communications, American Met. Society (AMS)

Project Experience:

- City of West Jordan – Ron Wood Park Phase III
- Ashley Valley Water/Sewer District – 500 West / 500 E Sewer Addition Project
- UDOT – US 6 Rehabilitation Project
- SLC Dept. Of Utilities – PRV Station Replacement (In Progress)

- Approved Public Involvement Consultant for the Utah Department of Transportation
- Approved Public Involvement Consultant for Wasatch Front Regional Council/Mountainland Association of Governments
- Provo City School District – Energy Conservation and Sustainability Program*

*Experience gained prior to joining Sunrise Engineering

SHANNON ELLSWORTH
Body Politic Planning

REGISTRATIONS:
N/A

YEARS IN PROFESSION:
9; 1 with Sunrise

Shannon has nine years of experience interfacing with communities and helping them make economic, environmental, and land use decisions. She has written more than 700 pages of policy for local governments in Utah. She earned an MBA from Brigham Young University and a degree in environmental planning from Utah State University. In the past she has worked for Utah’s Division of Housing and Community Development and various civil engineering firms focusing on community development solutions. In 2016 and 2017 she wrote San Juan County’s public lands and natural resource policy during a heated national debate over the Bears Ears. Her clients rely on her for tenable policy and integration of technology into the public engagement process.



Project Experience:

Environmental Planning Experience

- San Juan County Natural Resource Management Plan*
- Carbon County Natural Resource Management Plan*
- Utah County Natural Resource Management Plan*

Economic Policy Experience

- Coal County Strike Team, Economic Incentives*

Public Engagement Experience

- Rockville Accessory Dwelling Unit Ordinance Facilitation*
- Brian Head Transportation Master Plan*
- San Juan County General Plan Update*
- Utah County General Plan Update*

City Planning Experience

- Toquerville General Plan*
- Nibley City General Plan*
- Harrisville General Plan*
- Mayfield General Plan*
- Sanpete County General Plan Update*
- Sevier County General Plan Update*
- Oak City General Plan*

SUNRISE ENGINEERING
FEE SCHEDULE
EXHIBIT B

WORK CODE	WORK CLASSIFICATION	HOURLY RATE	WORK CODE	WORK CLASSIFICATION	HOURLY RATE
101	Engineer Intern (E.I.T.) I	\$99	404	CAD Drafter IV	\$104
102	Engineer Intern (E.I.T.) II	\$108	451	Training Specialist I	\$130
103	Engineer III	\$137	456	Training Manager	\$156
104	Engineer IV	\$154	460	Training Director	\$180
105	Engineer V	\$174	500	Funding Specialist	\$126
110	Principal Engineer	\$196	510	Plan Reviewer	\$110
121	Electrical Engineer Intern (E.I.T.) I	\$109	511	Building Inspector I	\$65
122	Electrical Engineer Intern (E.I.T.) II	\$122	512	Building Inspector II	\$87
123	Electrical Engineer III	\$138	513	Building Inspector III	\$108
124	Electrical Engineer IV	\$159	525	Building Official	\$126
125	Electrical Engineer V	\$175	601	GIS Tech	\$68
126	Principal Electrical Engineer	\$196	602	GIS Tech II	\$78
301	Engineering Tech I	\$77	611	GIS Specialist I	\$98
302	Engineering Tech II	\$95	613	GIS Analyst	\$112
303	Engineering Tech III	\$108	614	GIS Programmer	\$98
304	Engineering Tech IV	\$133	615	GIS Team Lead	\$128
311	Electrical Tech I	\$84	51	Administrative I	\$45
312	Electrical Tech II	\$95	52	Administrative II	\$59
313	Electrical Tech III	\$105	53	Administrative III	\$74
314	Electrical Tech IV	\$116	712	Project Manager II	\$165
315	Electrical Tech V	\$127	723	Water Rights Specialist III	\$123
351	Construction Observer I	\$67	921	Survey Tech	\$80
352	Construction Observer II	\$88	930	Survey CAD Tech	\$115
353	Construction Observer III	\$98	935	One Man Survey Crew	\$150
354	Construction Observer IV	\$108	940	Survey Manager	\$160
401	CAD Drafter I	\$69	945	Registered Surveyor	\$170
402	CAD Drafter II	\$79	950	Principal Surveyor	\$185
403	CAD Drafter III	\$94			

REIMBURSABLE EXPENSE SCHEDULE

Expense	Rate	Mark-Up
Mileage	\$0.59 per mile	N/A
Field Vehicle (on site)	\$50 per day	N/A
Per Diem Meals	\$57 per day	N/A
Troxler Nuclear Density Gauge	\$40 per day	N/A
High Density Scanner	\$150 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.

Base 01-2019

Upper Valley Sewer Study North

Wastewater Evaluation

Exhibit C

(PM)

Phase	Task	Work Task Description	Principal Engineer	Engineer V	Engineer Intern (E.I.T.) II	Engineer Intern (E.I.T.) I	Public Involvement Specialist	Funding Specialist	Planner V		Direct Costs	Mileage	(hours)	(\$)
0001		BODY POLITIC PLANNING												
	001	PLANNING MEETINGS		4			4		8				16	2,240
	002	MANAGEMENT ORGANIZATION EVALUATION		6					6				12	1,884
	003	MANAGEMENT ORGANIZATION IMPLEMENTATION STRATEGY		4					8				12	1,816
													Subtotal	5,940
0002		TECHNICAL DOCUMENT												
	001	TM1- SUMMARY OF EXISTING STUDIES AND RESEARCH		8		24							32	3,768
	002	TM2- BACKGROUND INFO & PLANNING AREA		8		16							24	2,976
	003	TM3- POPULATION STUDY & WASTEWATER FLOWS		6		20							26	3,024
	004	TM4- PHASE 1 ENVIRONMENTAL STUDY		6	16								22	2,772
	005	TM5- COLLECTION & TREATMENT OPTION EVALUATION	12	30	60	70							172	20,982
	006	TM6- COMMUNITY INVOLVEMENT & WORKSHOP SUMMARY		12		14							26	3,474
	007	TM7- RECOMMENDATIONS AND IMPLEMENTATION PLAN	6	20	10	40							76	9,696
	008	TM8- FUNDING OPTIONS, FINANCING AND USER RATE STUDY	2	4		16							22	2,672
	009	TM9- SEWER STUDY SUMMARY	2			20							22	2,372
													Subtotal	51,736
0003		PROJECT MGMT & MEETINGS												
	001	COORDINATION MEETINGS	4	44	4	4							56	9,268
	002	PROJECT MANAGEMENT		70									70	12,180
													Subtotal	21,448
Sub-total Hours/Miles/Days			26	222	90	224	4	0	22	0		0	588	588
Hourly Billing Rate			\$196.00	\$174.00	\$108.00	\$99.00	\$106.00	\$129.00	\$140.00	\$0.00	\$0.00	\$0.59		
Total Dollars			\$5,096	\$38,628	\$9,720	\$22,176	\$424	\$0	\$3,080	\$0	\$0	\$0		
													TOTAL	79,124