



State of Utah

SPENCER J. COX
Governor

DEIDRE HENDERSON
Lieutenant Governor

Department of
Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF WATER QUALITY
John K. Mackey, P.E.
Interim Director

Water Quality Board
Steven K. Earley, Chair
James Webb, Vice Chair
Carly Castle
Brandon Gordon
Michela Harris
Joseph Havasi
Trevor Heaton
Michael D. Luers
Kimberly D. Shelley
John K. Mackey
Interim Executive Secretary

Utah Water Quality Board Meeting
Via Zoom

MASOB
195 North 1950 West
Board Room 1015
Salt Lake City, UT 84116

June 22, 2022
Board Meeting Begins at 8:30 am

AGENDA

Water Quality Board Meeting – Roll Call

A. Minutes:

Approval of Minutes for May 25, 2022 Water Quality Board Meeting..... Steven Earley

B. Executive Secretary’s Report ..... John Mackey

C. Funding:

- 1. Financial Report..... Krystal Carfaro
2. Request for Public Comment on the FY 2022 Intended Use..... Krystal Carfaro
3. Request for Hardship Grant Davis County – Groundwater Study ..... Robert Beers

D. Other

- 1. Southern Utah ARPA Competitive Grant Program ..... Andrew Pompeo

E. Public Comment Period

F. Meeting Adjournment

Next Meeting
August 24, 2022 at 8:30 am
DEQ Board Room 1015
195 North 1950 West
Salt Lake City, UT 84116
Via Zoom

Revised 6/15/2022
DWQ-2022-016951

In compliance with the American Disabilities Act, individuals with special needs (including auxiliary communicative aids and services) should contact Larene Wyss, Office of Human resources, at (801) 536-4281, TDD (801) 536-4284, or by email at lwyss@utah.gov at least five working days prior to the scheduled meeting.

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www.deq.utah.gov



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**MINUTES**

**UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY**

**UTAH WATER QUALITY BOARD**

MASOB

and

Via Zoom

May 25, 2022

8:30 am Board Meeting

**UTAH WATER QUALITY BOARD MEMBERS PRESENT**

Carly Castle	Mike Luers
Steven Earley	Kim Shelley
Brandon Gordon	James Webb
Trevor Heaton	

Excused  
Michela Harris  
Joe Havasi

**DIVISION OF WATER QUALITY STAFF MEMBERS PRESENT**

Paul Burnett	Brenda Johnson
Harry Campbell	Glen Lischeske
Emily Cantón	John Mackey
Krystol Carfaro	George Meados
Eric Castrejon	Jen Robinson
Skyler Davies	Lonnie Shull
Judy Etherington	Jeff Studenka
Jodi Gardberg	Beth Wondimu

**OTHERS PRESENT**

Justine Marshall	Vineyard
Melissa Reynolds	Holland & Hart
Renn Lambert	LimnoTech
Beau Stander	Big West Oil
Jason Dupre	

**Mr. Earley called the Meeting to order at 8:30 AM.**

**ROLL CALL**

**Mr. Earley took roll call for the members of the Board and audience.**

**APPROVAL OF MINUTES OF April 27, 2022 BOARD MEETING**

**Motion: Mr. Webb moved to approve the [minutes](#) of the April 27, 2022 Board meeting.**

**Mr. Gordon seconded the motion. The motion passed unanimously.**

**EXECUTIVE SECRETARY REPORT**

Mr. Mackey addressed the Board regarding the following.

*Water Quality Division*

- Budget
- Loan Closings
- Manager's Retreat
- Great Salt Lake Issues Forum

**FUNDING**

**Request to Appoint Paul Burnett as Signatory for State Nonpoint Source Point.** Ms. Cantón presented the Board with a request to appoint Paul Burnett as a signatory for the State Nonpoint Source Program.

**Motion: Mr. Luers moved to authorize Paul Burnett as a signatory for the State Nonpoint Source Program.**

**Mr. Heaton seconded the motion. The motion passed unanimously.**

**PUBLIC COMMENTS**

There were no public comments.

**MEETING ADJOURNMENT**

**Motion: Mr. Heaton moved to adjourn the meeting.**

**Mr. Gordon seconded the motion. The motion passed unanimously.**

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May 25, 2022  
Water Quality Board  
**Minutes**

To view the full recording of the Water Quality Board meeting.  
<https://deq.utah.gov/boards/utah-water-quality-board-meetings>

**Next Meeting – June 22, 2022**  
**Meeting begins at 8:30 am**

**In-Person**  
**MASOB**  
**195 North 1950 West**  
**Board Room 1015**  
**Salt Lake City, UT 84116**

**Via Zoom**  
<https://us02web.zoom.us/j/7074990271>

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Steven Earley, Chair  
Utah Water Quality Board

DWQ-2022-015554

**HARDSHIP GRANT FUNDS FINANCIAL STATUS REPORT JUNE 2022**

HARDSHIP GRANT FUNDS (HGF)	State Fiscal Year 2022	State Fiscal Year 2023	State Fiscal Year 2024	State Fiscal Year 2025	State Fiscal Year 2026	State Fiscal Year 2027
<b>Funds Available</b>						
Beginning Balance		\$ 1,221,043.14	\$ 990,451.86	\$ 1,276,838.40	\$ 1,479,732.94	\$ 1,601,510.60
Federal HGF Beginning Balance (5250)	\$ 3,656,685.64	\$ -	\$ -	\$ -	\$ -	\$ -
State HGF Beginning Balance (5265)	\$ 2,545,328.43	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Earnings at 0.4676%	\$ 4,833.44	\$ 5,191.88	\$ 4,211.40	\$ 5,429.12	\$ 6,291.82	\$ 6,809.62
UWLF Interest Earnings at 0.4676%	\$ 8,040.96	\$ 78,645.20	\$ 65,633.60	\$ 79,225.93	\$ 94,240.32	\$ 108,604.65
Hardship Grant Assessments (5255)	\$ 132,224.40	\$ 615,833.46	\$ 919,300.25	\$ 842,768.58	\$ 767,302.44	\$ 690,077.49
Interest Payments - (5260)	\$ -	\$ 319,738.19	\$ 297,241.29	\$ 275,470.91	\$ 253,943.08	\$ 232,596.63
Advance Repayments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funds Available</b>	<b>\$ 6,347,112.87</b>	<b>\$ 2,240,451.86</b>	<b>\$ 2,276,838.40</b>	<b>\$ 2,479,732.94</b>	<b>\$ 2,601,510.60</b>	<b>\$ 2,639,598.99</b>
<b>Financial Assistance Project Obligations</b>						
Big Water Planning Grant	\$ (52,500.00)					
Eagle Mountain City - Construction Grant	\$ (510,000.00)	\$ -	\$ -	\$ -	\$ -	\$ -
Emigration Sewer Imp Dist - Planning Grant	\$ (26,158.04)	\$ -	\$ -	\$ -	\$ -	\$ -
Hanksville Planning Advance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hinckley Hardship Planning Grant	\$ (15,000.00)	\$ -	\$ -	\$ -	\$ -	\$ -
Lewiston City - Design and Construction	\$ (274,000.00)	\$ -	\$ -	\$ -	\$ -	\$ -
Millville City - Design and Construction	\$ (1,000,000.00)	\$ -	\$ -	\$ -	\$ -	\$ -
Millville City - Loan Payoff Grant	\$ (158,000.00)	\$ -	\$ -	\$ -	\$ -	\$ -
Mount Pleasant Planning Advance	\$ (50,000.00)	\$ -	\$ -	\$ -	\$ -	\$ -
Spanish Fork - Hardship Grant	\$ (250,000.00)	\$ (250,000.00)	\$ -	\$ -	\$ -	\$ -
Salina Design Grant	\$ (400,000.00)	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Non-Point Source/Hardship Grant Obligations</b>						
Fitzgerald ARDL interest-rate buy down	\$ (51,056.00)	\$ -	\$ -	\$ -	\$ -	\$ -
McKees ARDL interest-rate buy down	\$ (55,261.00)	\$ -	\$ -	\$ -	\$ -	\$ -
Munk Dairy ARDL interest-rate buy down	\$ (16,017.00)	\$ -	\$ -	\$ -	\$ -	\$ -
(FY12) Utah Department of Agriculture	\$ (177,928.28)	\$ -	\$ -	\$ -	\$ -	\$ -
(FY15) DEQ - Ammonia Criteria Study	\$ (27,242.43)	\$ -	\$ -	\$ -	\$ -	\$ -
(FY17) DEQ - Utah Lake Water Quality Study	\$ (348,300.75)	\$ -	\$ -	\$ -	\$ -	\$ -
USU - Historic Trophic State/Nutrient Concentrations Paleo	\$ (78,070.26)	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2018 - Remaining Payments	\$ (7,100.00)	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2019 - Remaining Payments	\$ (110,836.35)	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2020 - Remaining Payments	\$ (329,946.80)	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2021 - Remaining Payments	\$ (224,933.81)	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2022 - Remaining Payments	\$ (820,906.01)	\$ -	\$ -	\$ -	\$ -	\$ -
Future NPS Annual Allocations		\$ (1,000,000.00)	\$ (1,000,000.00)	\$ (1,000,000.00)	\$ (1,000,000.00)	\$ (1,000,000.00)
<b>Planned Projects</b>						
*Dagget County Plannig Advance	\$ (90,000.00)					
*Davis County Hardship Grant	\$ (105,313.00)					
<b>Total Obligations</b>	<b>\$ (5,126,069.73)</b>	<b>\$ (1,250,000.00)</b>	<b>\$ (1,000,000.00)</b>	<b>\$ (1,000,000.00)</b>	<b>\$ (1,000,000.00)</b>	<b>\$ (1,000,000.00)</b>
<b>HGF Unobligated Funds</b>	<b>\$ 1,221,043.14</b>	<b>\$ 990,451.86</b>	<b>\$ 1,276,838.40</b>	<b>\$ 1,479,732.94</b>	<b>\$ 1,601,510.60</b>	<b>\$ 1,639,598.99</b>

**State of Utah**  
**Wastewater Project Assistance Program**  
**Project Priority List**

*As of June 7, 2022*

Rank	Project Name	Funding Authorized	Total Points	Point Categories			
				Project Need	Potential Improvement	Population Affected	Special Consideration
1	South Salt Lake City (CVWRF)	X	143	50	23	10	60
2	South Davis Sewer District	X	138	50	18	10	60
3	Spanish Fork Water Reclamation Facility	X	117	50	19	8	40
4	Lewiston City	X	67	10	16	1	40

X - funding authorized; R - Additional Funding Requested; 0 - Funding Not Yet Authorized



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**MEMORANDUM**

**TO:** Utah Water Quality Board

**THROUGH:** John, K. Mackey, P.E., Interim Director

**FROM:** Krystol Carfaro, Contract/Grant Analyst

**DATE:** June 22, 2022

**SUBJECT:** Request for Public Comment on the FY 2022 Intended Use Plan

The Division of Water Quality is requesting approval from the Utah Water Quality Board to go to public comment for feedback regarding the FY 2022 Intended Use Plan.

As a condition of the Clean Water State Revolving Fund (CWSRF) capitalization grant, the U.S. Environmental Protection Agency (EPA) requires that the State of Utah provide an annual Intended Use Plan (IUP). The IUP identifies both long and short-term goals and addresses specific program requirements such as additional subsidy, green project reserve, and proportionality of state match. The IUP also contains the Project Priority List which shows current projects ranked using criteria like project need, potential improvement, and population affected. However, due to the dynamic nature of wastewater projects, the documents will be updated on an ongoing basis throughout the fiscal year. The Water Quality Board will be apprised of these updates by way of the Financial Status Report, the Project Priority List, and feasibility reports.

The Division of Water Quality will publish a notification in the newspaper to advertise the IUP. Staff will post the document on the Division of Water Quality's website for public review and comment.

Following the public comment period, the IUP will be submitted to EPA as part of the 2022 CWSRF Capitalization Grant application.

New as of this year, the CWSRF Capitalization Grant application will also include the new Bipartisan Infrastructure Law allocations for General Supplemental and Emerging Contaminants funding. The IUP encompasses all three funding sources and addresses additional program requirements per BIL. The IUP also addresses the Sewer Overflow and Stormwater Reuse Municipal Grant, which is a new funding source that partners with the SRF.

DWQ-2022-016331



UTAH DEPARTMENT *of*  
**ENVIRONMENTAL  
QUALITY**

# *Intended Use Plan FY22*

Prepared by  
**The Division of Water Quality**

May 2022



# INTENDED USE PLAN FY22

Prepared by  
Krystol Carfaro  
Ken Hoffman, Emily Canton  
**Utah Department of Environmental Quality**  
Division of Water Quality  
195 North 1950 West  
Salt Lake City, UT 84116  
May, 2022

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## CHAPTER 1. Introduction

The Intended Use Plan is used by the Department to apply for the EPA Capitalization Grant. The primary purpose of the Plan is to identify current and projected projects that may be awarded funding from federal grant awards. The federal award for the FY22 base program is \$6,158,000. The federal award for the FY22 general supplemental program is \$9,378,000. The federal award for the FY22 emerging contaminants supplemental is \$493,000. See Table 2 for a list of State Revolving Fund projects. In addition, the Plan identifies current and projected projects that may be awarded from State monies, including the Utah Wastewater Loan Program and Hardship Grant Funds. See Table 3 and 4 for a list of these respective projects.

As required under Sections 606(c) and 610(b) of the Clean Water Act, the State of Utah has prepared an Intended Use Plan (IUP) for the Clean Water State Revolving Fund (CWSRF) program. The purpose of the IUP is to facilitate the negotiation process for the Fiscal Year 2022 CWSRF Capitalization Grant agreements. This IUP outlines the short-term and long-term goals of the program and proposes a schedule of payment between the Department of Environmental Quality – Division of Water Quality (Division) and the Environmental Protection Agency –Region 8. This document also describes the intended uses for: The State Revolving Fund (SRF), Sewer Overflow and Stormwater Reuse Municipal Grants Program (OSG), the Utah Wastewater Loan Fund (UWLF), and the Hardship Grant Funds (HGFs). All data provided in the 2022 IUP are projections of funding for the listed projects. Ultimately, the Utah Water Quality Board will determine loan amounts and financing terms are projects are presented for authorization.

The CWSRF is a financial assistance program that provides low-cost financing for treatment works, sewerage systems, storm water projects, decentralized systems, and nonpoint source projects. The operation of Utah’s CWSRF program is coordinated between the Utah Water Quality Board (the Board) and the Department of Environmental Quality – Division of Water Quality. Projects financed through the State Revolving Fund may receive funding from the following sources: (a) SRF Capitalization Grants; (b) SRF loan repayments; and (c) State matching funds.

Occasionally, an SRF-eligible project will be financed through the Utah Wastewater Loan Program or Hardship Grant Funds.

The Division of Water Quality maintains the SRF Project Priority List comprised of projects for which funding applications have been submitted. The Project Priority List is a numeric calculation used to prioritize projects which will remedy the most severe water quality problems and provide funds for the most beneficial protection of public health and water quality improvement. Projects are listed on the Project Priority List prior to being presented to the Water Quality Board for authorization. These updated Project Priority Lists are considered to be updates to the current IUP. Projects will be considered for funding according to their priority and readiness to proceed. If an SRF-eligible project does not proceed or is funded by SRF, UWLF, HGF, or another source, it will be removed from the Project Priority List. The Intended Use Plan includes projects listed on the most recent FY 2022 Project Priority List.

The Division of Water Quality conducts the Municipal Wastewater Planning Program (MWPP) survey to project the potential Utah Statewide funding needs for wastewater treatment and wastewater collections systems. Participation in the MWPP is required for all political subdivisions which have received funding from the SRF, UWLF, or HGF. In addition, all wastewater agencies Statewide are encouraged to voluntarily participate. The MWPP solicitation typically occurs during January with submissions required during April. Due to the requirements to complete the Clean Water Needs Survey by February 2023 no MWPP solicitation occurred during January 2022. The Division will reinstate the MWPP during January 2023 or 2024. In 2021, 168 responses were received to the MWPP survey which represents 70% of the distributed surveys. Results from the MWPP survey for projected wastewater capital improvement projects are listed below showing a projected Statewide need of more than \$4.4 billion through 2041. It should be noted; agency estimation accuracy diminishes with greater timelines, so the 2025 estimation is believed to be fairly accurate, while the 2040 need is probably greater than estimated.

2021 MWPP survey results – Statewide Wastewater Capital Improvement Projects			
2021-2026	2027-2031	2032-2036	2037-2041
\$2,540,200,246	\$737,598,506	\$610,615,718	\$579,739,913

## CHAPTER 2. Program Operations

Since its inception in 1989, Utah’s CWSRF program has received appropriations from the federal government through capitalization grants. For FY22 Utah estimates its base capitalization grant award will be approximately \$6,158,000, and the general supplemental capitalization grant award will be approximately \$9,378,000.

In addition to federal dollars, The Department of Environmental Quality – Division of Water Quality is required to provide a twenty percent (20%) state match for the base program, and a 10% state match for the general supplemental funding (for FY22 and FY23. In FY24 match will return to 20%). Utah has met the state match requirement by using money from the Utah Wastewater Loan Fund (UWLF). Revenues into the UWLF are comprised of principal repayments from state loans, from a state sales tax allocation, and additional legislature appropriation. For FY22, Utah anticipates receiving its full measure of sales tax dollars, which is \$3,587,500. In addition, the Utah State Legislature provided \$3,280,000 for the additional state match requirements for the general supplemental funding. The entire 20% state matching amount for the base capitalization award and 10% for the general supplemental capitalization award will be used toward eligible project costs before draws are made from the capitalization grant. Once the requirement is met, draws will be made from the federal award as a 100% federal share.

The Department of Environmental Quality – Division of Water Quality will use SRF administrative funds of 4% of the overall grant award. Administration will not exceed the statutory limit. In addition, loan origination fees, equal to 1% of the principal loan amount, are charged to loan recipients. That revenue may also be used for program administration expenses. The Division of Water Quality estimates that \$152,000 will be collected from loan origination fees by the end of Fiscal Year 2022.

The Department of Environmental Quality – Division of Water Quality will reserve the right to use 2% of the Clean Water SRF Capitalization Grants for Technical Assistance. The planned activities for these funds will be determined at a later date.

### 2.1 Transfer of Clean Water State Revolving Funds

The Water Quality Board and Division of Water Quality reserve authority to transfer funds from the Clean Water SRF program to the Drinking Water SRF (DWSRF) program. The amount reserved for future transfers is up to 33% of the DWSRF capitalization grant award. The table below indicates the reserved transfer amount by award year.

For FY22, the projected amount of funds to be transferred is \$0, with no short- or long-term impacts on the fund. Justification for any transfers to the Drinking Water SRF program, including amount, type of funds, and fund impact, will be documented in a future Intended Use Plan (IUP).

The intended use plan will reserve the authority to transfer funding to the DWSRF program. A Memorandum of Understanding between the divisions to process the actual transfers will require the Water Quality Board approval.

TABLE 1a – TRANSFER AMOUNTS: BASE PROGRAM

Award Year	DWSRF Capitalization Grant Award	Reserved Transfer Amount
2019	\$11,103,000	\$3,663,990
2020	\$11,011,000	\$3,633,630
2021	\$11,001,000	\$3,630,330
2022	\$11,001,000	\$3,630,330
<b>Total</b>		<b>\$14,558,280</b>

TABLE 1b – TRANSFER AMOUNTS: GENERAL SUPPLEMENTAL & EMERGING CONTAMINANTS

Award Year	DWSRF General Supplemental Grant Award	Reserved Transfer Amount	DWSRF Emerging Contaminants Grant Award	Reserved Transfer Amount
2022	\$8,816,080	\$2,909,306	\$7,555,000	\$2,493,150
<b>Total Reserved Transfer Amount: \$5,402,456</b>				

**2.2 Extended Financing Terms**

As of July 1, 2021, the Utah Water Quality Board has authorized extended financing to two SRF recipients: Millville City and Payson City. The Division of Water Quality estimates that the long-term impact of extended financing on the SRF program is less than a 1% revolving level reduction over 60 years. This estimate does not include an adjustment for inflation.

In cases of extreme hardship, the maximum affordable loan amount may not provide sufficient capital to cover project costs. In these cases, the Board would be requested to provide additional subsidization or hardship grant funds to make these projects feasible. Extended-term financing can increase the loan amount that a community qualifies for under the 1.4% median adjusted gross household income (MAGI) affordability guideline. The extended terms also benefit the SRF program by replacing an award of grant dollars with additional loan repayments, albeit in years 21-30.

**2.3 Additional Subsidization**

The FY22 capitalization grant may allow states to provide additional subsidization in the form of principal forgiveness and negative interest loans. A minimum of \$609,600 and a maximum amount of \$1,828,800 additional subsidization amounts will be outlined in the programmatic terms and conditions of the base award. The Water Quality Board may utilize the difference between the minimum and maximum additional subsidization amounts to refinance existing debt on projects which met CWSRF requirements at the time of construction. General supplemental awards require 49% additional subsidization. The additional subsidization amount for the FY22 supplemental award is \$4,595,220. The Water Quality Board uses principal forgiveness agreements as its mechanism for awarding additional subsidization.

Additional subsidy may be provided to disadvantaged communities, communities addressing water-efficiency or energy-efficiency goals, communities mitigating storm water runoff, or to encourage sustainability. For the Water Quality Board to qualify a community as disadvantaged, the community must have a demonstrated hardship based on its cost of sewer service relative to 1.4% of the MAGI, unemployment, poverty level, or economic trends. Table 2: FY22 List of SRF Projects identifies those projects that may meet any additional subsidization requirement. However, the Water Quality Board may authorize principal forgiveness to additional projects presented for authorization during the year. The Water Quality Board is currently working on a process for targeting disadvantaged communities.

**2.4 Green Project Reserve**

The FY22 capitalization grant allocation requires that, to the extent that there are sufficient eligible projects applications, not less than 10% of the SRF funds shall be used for projects that address green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities. The State of Utah will meet this objective by identifying projects that meet green infrastructure requirements and providing funding, in whole or in part, as they proceed to construction. Future plans to ensure this requirement is met include creating a website dedicated to GPR. This will create more visibility and transparency regarding the requirement. Table 2: FY22 List of

SRF Projects identifies projects that may meet the Green Project Reserve requirement.

## **2.5 Program Assurances**

The State of Utah must comply with its Operation Agreement with EPA and Utah Administrative Code, R-317-102, Utah Wastewater State Revolving Fund (SRF). Assurances include:

- Section 602(a)-Environmental Reviews
- Section 602(b)(3)-Certify binding commitments within one year
- Section 602(b)(4)-Certify expeditious and timely expenditures
- Section 602(b)(5)-First use for enforceable requirements

The Division of Water Quality will complete reporting requirements through the Office of Water State Revolving Funds (OWSRF) for all binding commitments in the quarter that they are made.

## CHAPTER 3. CWSRF Project Funding

Eligible projects to be funded by the SRF include loans closed with remaining draws, authorized loans, and anticipated loans. Loans closed with remaining draws are projects that are currently under construction. Authorized loans are projects that have been authorized by the Utah Water Quality Board and are in the design phase. Anticipated loans are projects that are in the beginning stages of planning.

Funding through the SRF can include federal dollars from the capitalization grant awards, principal repayments, interest payments, and investment fund interest earnings. Table 2 shows the projects that are expected to be funded from the Clean Water SRF. Projects must meet specific programmatic requirements including federal cross cutters and “super cross-cutters,” Davis-Bacon wages, American Iron and Steel (AIS), NEPA-like environmental review, Single Audit Act, Disadvantaged Business Enterprise (DBE), and Architectural and Engineering Services procurement.

The Bipartisan Infrastructure Law includes the Build America, Buy America Act (Buy America) requirements which places additional requirements on the CWSRF Program. The United States must make significant investments to install, upgrade, or replace the public works infrastructure of the United States; with respect to investments in the infrastructure of the United States, taxpayers expect that their public works infrastructure will be produced in the United States by American workers. These new Buy America requirements will be placed federal equivalency infrastructure projects.

As determined by the Utah Water Quality Board, SRF loan recipients may be charged a hardship grant assessment in lieu of interest. Upon collection, the hardship grant assessment will be placed into the Federal Hardship Grant Fund. If a hardship grant assessment is derived from a loan funded directly by EPA Capitalization Grant monies, the assessment shall be used for purposes identified in 40 CFR Part 31.25. If a hardship grant assessment is derived from a loan funded by SRF loan repayments, the assessment may be used to provide grants to communities for projects that are economically unfeasible without grant assistance.

### **3.1 Long Term Goals**

1. Provide a permanent funding source for water quality construction projects that supplements a community’s own resources and/or other funding sources.
2. Distribute SRF funds to projects with the highest water quality and infrastructure needs by evaluating and prioritizing proposed projects throughout the state.
3. Support EPA’s Sustainability Policy by balancing a community’s economic and water quality needs with the perpetuity of the SRF program.
4. Assist communities with all phases of a project, including sufficient planning, project design, environmental work, and construction.

### **3.2 Short Term Goals**

1. Present eligible projects to the Water Quality Board for authorization and assist communities through the application and award process.
2. Collaborate with other agencies (e.g., Utah Permanent Community Impact Board, U.S. Department of Agriculture Rural Development, and U.S. Army Corps of Engineers) to sufficiently fund projects.
3. Solicit and fund eligible nonpoint source, storm water, and emerging contaminants projects.
4. Provide funding, equal to at least ten percent (10%) of the capitalization award, for energy efficiency and recycled water and water reuse projects to the extent such projects exist.
5. Increasing the profile of the SRF program as a potential funding source for low income and rural Utah communities.



TABLE 2 – LIST OF FY22 SRF PROJECTS

Type	PERMIT NUMBER	NEEDS CATEGORY	ASSISTANCE AMOUNT	FUNDING TYPE	INTEREST RATE	TERM (YRS)	EQUIVALENCY	ADDITIONAL SUBSIDY AMOUNT (Principal Forgiveness)	GREEN PROJECT RESERVE AMOUNT	BINDING COMMITMENT / CONSTRUCTION START	INITIATION OF OPERATION
<b>1st Round: Base Program</b>											
Duchesne City	UT0020095	I-Secondary Treatment	\$2,700,000	1st Round	0.25%	30	Yes	\$400,000	\$262,295	17-May	19-Jul
Moab City	UT0020419	I-Secondary Treatment	\$14,200,000	1st Round	1.15%	20	Yes	-	\$502,937	17-Apr	19-Nov
San Juan Spanish Valley SSD	See Moab	IVa-New Collectors	\$968,000	1st Round	0%	30	Yes	\$1,997,000	-	19-Jan	20-Jan
<b>2nd Round: Revolved Funds</b>											
Logan City	UT002199920	II-Advanced Wastewater Treatment	\$69,131,000	2nd Round	0.75%	20	No	-	-	16-Mar	22-Jan
Logan City	UT002199920	II-Advanced Wastewater Treatment	\$20,000,000	2nd Round	1.50%	30	No	-	-	18-Dec	22-Jan
San Juan Spanish Valley SSD	See Moab	IVa-New Collectors	\$360,000	2nd Round	0%	30	No	-	-	19-Jan	20-Jan
<b>General Supplemental</b>											
Central Valley WRF	UT0024392	I-Secondary Treatment	\$25,000,000	General Supplemental			Yes	-	-	TBD	TBD
Hanksville	UTOP00119	I-Secondary Treatment		General Supplemental			Yes			TBD	TBD
<b>Sewer Overflow and Stormwater Reuse Municipal Grants Program</b>											
Vitro Ditch		VI-A. Gray Infrastructure	\$2,600,000	OSG			Yes			TBD	TBD
<b>Emerging Contaminants</b>											
Park City - Snyderville Basin SID	UT002000	II. Advanced Wastewater Treatment	\$1,700,000	Emerging Contaminants			Yes	\$1,600,000			2023-2026

Combined Funding Sources											
<b>Central Valley WRF</b>	UT0024392	I-Secondary Treatment	\$65,100,000	1 <sup>st</sup> & 2 <sup>nd</sup> Round	1.50%	20	Yes	-	-	18-Dec	24-Dec
<b>Millville City</b>	UT0023205	Iva-New Collectors	\$1,761,000	1st & 2nd Round General	0%	-	No	\$8,250,000	-	20-Mar	20-Dec
<b>Mountain Green</b>	UT0024732	I-Secondary Treatment	\$7,000,000	1st & 2nd Round General	1.30%	30	TBD	-	-	22-Jan	24-Jan
<b>Payson City</b>	UT0020427	I-Secondary Treatment	\$13,500,000	1st & 2nd Round General	0.50%	20	Yes	1,000,000	-	22-Feb	25-Jan
<b>Provo City</b>	UT0021717	II- Advanced Treatment	\$85,800,000	1 <sup>st</sup> & 2 <sup>nd</sup> Round General Supplement	0.50%	20	Yes	\$7,000,000	\$2,515,800	18-Dec	25-Jan
<b>Salem City</b>	UT0020249	I-Secondary Treatment	\$20,000,000	1 <sup>st</sup> & 2 <sup>nd</sup> Round	1.15%	30	Yes	-	-	18-Jul	22-Aug
<b>South Davis Sewer Dist</b>	UT0021628	II-Advanced Treatment	\$14,176,000	1st & 2nd Round General	0.25%	20	Yes	-	\$13,176,000	21-Dec	24-Dec
<b>South Salt Lake City</b>	See CVWRF	I-Secondary Treatment	\$2,413,000	1st Round & General Supplemental	0%	20	Yes	\$3,760,000	-	18-Dec	24-Dec
<b>TOTAL</b>			<b>\$346,409,000</b>					<b>\$24,007,000</b>	<b>\$16,457,032</b>		

## CHAPTER 4. Sewer Overflow and Stormwater Reuse Municipal Grants Program

The Utah Sewer Overflow and Stormwater Reuse Municipal Grants Program is currently being created by the Water Quality Board. Updates to the proposed program are required by EPA due to the passing of the BIL. Utah's OSG program will receive appropriations from the federal government as grants. For FY22 Utah estimates its OSG grant award will be approximately \$210,000, and the BIL OSG grant award will be approximately \$1,400,000. This section of the IUP will be updated when the Utah OSG program is approved by EPA.

## CHAPTER 5. Utah Wastewater Loan Program

The Utah Wastewater Loan program is a state-funded loan program similar to the SRF. Revenue for the Utah Wastewater Loan program is derived from sales tax dollars and principal repayments. Monies may be authorized in the form of loans or interest-rate buy downs.

Projects eligible for funding through the Utah Wastewater Loan program have been divided into three categories: closed loans with remaining draws, authorized loans, and anticipated loans. Closed loans with remaining draws are projects that have held loan closing and are currently under construction. Authorized loans are those projects which have received authorization from the Utah Water Quality Board but have not yet held loan closing and are still in the planning or design phase. Anticipated loans are those projects that may be presented to the Utah Quality Board for authorization in the next fiscal year.

Please refer to Table 3 for a list of projects to be funded from the Utah Wastewater Loan Fund.

TABLE 3 – LIST OF FY22 UTAH WASTEWATER LOAN PROGRAM PROJECTS

LOAN RECIPIENT	ASSISTANCE AMOUNT	INTEREST RATE	TERM (YEARS)	BINDING COMMITMENT	CONSTRUCTION START	CONSTRUCTION END
<b>LOAN CLOSED WITH REMAINING DRAWS</b>						
<b>KCCWD-Duck Creek</b>	\$1,000,000	0%	30	18-Aug	20-May	22-Nov
<b>South Salt Lake</b>	\$7,867,000	0%	20	18-Dec	20-Feb	24-Jun
<b>AUTHORIZED LOANS</b>						
<b>Spanish Fork City</b>	\$4,500,000	1.12	20	TBD	TBD	24-Dec
<b>ANTICIPATED LOANS</b>						
<b>N/A</b>						
<b>TOTAL \$13,367,000</b>						

## CHAPTER 6. Hardship Grant Funds

The State of Utah provides hardship grants for several types of projects. First, hardship grant funds may be authorized as planning advances or grants and design advances or grants. Advances are repaid once construction funding has been secured through a loan closing. Second, funds may be awarded as hardship construction grants to entities that may not otherwise be able to afford to complete an eligible project. The Water Quality Board may consider authorizing a hardship grant when the estimated annual cost of sewer service exceeds 1.4% of the local MAGI. Third, hardship grants may be awarded for water quality improvement projects such as non-point source, water quality studies, and educational outreach efforts. Projects eligible for Hardship Grant Funds may be added to the list once authorization has been received from the Board.

Please refer to Table 4 for a list of projects to be funded from the Hardship Grant Funds.

TABLE 4 – LIST OF FY22 HARDSHIP GRANT FUND PROJECTS

Recipient	Assistance Amount Balance	Type
<b>HARDSHIP GRANTS</b>		
Eagle Mountain City (White Hills)	\$510,000	Construction Grant
Emigration SID	\$26,158	Planning Grant
Hanksville	\$36,600	Planning Advance
Kane County WCD (Duck Creek)	\$3,034,500	Design/Construction Grant
Lewiston City	\$274,000	Design/Construction Grant
Millville City	\$1,000,000	Design/Construction Grant
Mount Pleasant	\$50,000	Planning Advance
Salina	\$400,000	Design Grant
Spanish Fork	\$500,000	Construction Grant
<b>NON-POINT SOURCE GRANTS</b>		
Utah Department of Agriculture	\$177,928	NPS Grant
DEQ - Ammonia Criteria Study	\$27,242	NPS Grant
DEQ - Nitrogen Transformation Study	\$14,500	NPS Grant
DEQ - Utah Lake Water Quality Study	\$348,301	NPS Grant
USU - Historic Trophic State/Nutrient Concentrations Paleo	\$78,070	NPS Grant
FY18 – FY22 Remaining Payments	\$1,623,219	Various NPS Grants
<b>TOTAL</b>	<b>\$8,100,518</b>	

## CHAPTER 7. Payment Schedule

Utah's CWSRF has met "first use" requirements of Section 602(b) (5). CWSRF funds will be distributed using the method, criteria, and eligible activities that are outlined in Section R-317-101 and 102 of the Utah Administrative Code. The methods and criteria provide affordable assistance as well as maximum benefit to the long-term viability of the fund. If the dollar amount of projects in the FY22 Intended Use Plan exceeds the actual amount of funds available during the planning period, one of the following may occur:

- Projects listed may not be funded.
- Projects may be funded using available credit enhancement techniques.
- Projects may need to be delayed until funds are available.

Please see the CASH FLOW PROJECTIONS for the detail of revenue and expenses for the State Revolving Fund, Utah Wastewater Loan Fund, and Hardship Grant Funds.

### 7.1 Cash Flow Projections – State Revolving Fund

TABLE 5 – FY22 STATE REVOLVING FUND

STATE REVOLVING FUND (SRF)			
Funds Available	2022	2023	2024
Capitalization Grants Awards (FFY18 - 21)	\$22,092,801.00	-	-
State Match (FFY18 - 21)	\$3,343,000.00	-	-
Future Capitalization Grants (estimated)	\$8,000,000.00	\$8,000,000.00	\$8,000,000.00
Future State Match (estimated)	\$1,600,000.00	\$1,600,000.00	\$1,600,000.00
SRF - 2nd Round	\$49,261,168.00	\$18,458,637.00	\$12,557,491.00
Interest Earnings at 0.4676%	\$76,782.00	\$48,722.00	\$0.00
Loan Repayments (5255)	\$3,220,886.00	\$17,484,132.00	\$20,400,749.00
<b>Total Funds Available</b>	<b>\$87,594,637.00</b>	<b>\$45,591,491.00</b>	<b>\$42,558,240.00</b>
Project Obligations			
Central Valley Water Reclamation Facility	(\$15,300,000.00)	(\$6,800,000.00)	-
Millville City	(\$1,150,000.00)		
Moab City	(\$80,000.00)	-	-
Provo City	(\$34,045,000.00)	(\$20,000,000.00)	(\$8,800,000.00)
South Salt Lake City (A)	(\$2,290,000.00)	(\$234,000.00)	-
Loan Authorizations			
Millville City	(\$8,011,000.00)	-	-
Mountain Green	(\$1,500,000.00)	(\$4,000,000.00)	(\$1,500,000.00)
Payson City		(\$2,000,000.00)	(\$12,500,000.00)
Provo City	(\$5,000,000.00)		(\$10,000,000.00)
South Davis Sewer District (with NPS)			(\$14,176,000.00)
South Salt Lake	(\$1,760,000.00)		
<b>Total Obligations</b>	<b>(\$69,136,000.00)</b>	<b>(\$33,034,000.00)</b>	<b>(\$39,800,000.00)</b>
<b>SRF Unobligated Funds</b>	<b>\$18,458,637.00</b>	<b>\$12,557,491.00</b>	<b>\$2,758,240.00</b>

**7.2 Cash Flow Projections – Utah Wastewater Loan Fund**

TABLE 6 – FY22 UTAH WASTEWATER LOAN FUND

<b>UTAH WASTEWATER LOAN FUND (UWLF)</b>			
<b>Funds Available</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>
<b>UWLF</b>	\$23,978,484.00	\$14,847,049.00	\$11,386,936.00
<b>Sales Tax Revenue</b>	-	\$3,587,500.00	\$3,587,500.00
<b>Loan Repayments (5260)</b>	\$787,864.00	\$2,495,988.00	\$2,473,791.00
<b>Total Funds Available</b>	\$24,766,349.00	\$20,930,536.00	\$17,448,227.00
<b>General Obligations</b>			
<b>State Match Transfers</b>	(\$4,943,000)	(\$1,600,000)	(\$1,600,000)
<b>DWQ Administrative Expenses</b>	(\$832,300)	(\$1,664,600)	(\$1,664,600)
<b>Project Obligations</b>			
<b>South Salt Lake City (B)</b>	(\$3,112,000.00)	(\$1,779,000.00)	-
<b>Loan Authorizations</b>			
<b>Spanish Fork</b>		-	(\$4,500,000.00)
<b>South Salt Lake City</b>	(\$1,032,000.00)		
<b>Total Obligations</b>	(\$7,692,300.00)	(\$5,441,200.00)	(\$9,515,200.00)
<b>UWLF Unobligated Funds</b>	\$14,111,186.00	\$15,289,292.00	\$11,977,080.00

### 7.3 Cash Flow Projections – Hardship Grant Funds

TABLE 7 – FY22 HARDSHIP GRANT FUND

HARDSHIP GRANT FUNDS (HGF)			
Funds Available	2022	2023	2024
Beginning Balance		\$1,651,673.00	\$1,888,641.00
Federal HGF Beginning Balance (5250)	\$3,742,166.00	-	-
State HGF Beginning Balance (5265)	\$2,527,140.00	-	-
Interest Earnings at 0.4676%	\$9,772.00	\$7,023.00	\$8,031.00
UWLF Interest Earnings at 0.4676%	\$37,374.00	\$63,130.00	\$48,417.00
Hardship Grant Assessments (5255)	\$323,764.00	\$1,097,077.00	\$1,021,544.00
Interest Payments - 5260	\$93,310.00	\$319,738.00	\$297,241.00
<b>Total Funds Available</b>	<b>\$6,733,526.00</b>	<b>\$3,138,641.00</b>	<b>\$3,263,874.00</b>
Financial Assistance Project Obligations			
Eagle Mountain City - Construction Grant	(\$510,000.00)	-	-
Emigration Sewer Imp Dist - Planning Grant	(\$26,158.00)	-	-
Hanksville Planning Advance	(\$36,600.00)		
Lewiston City - Design and Construction	(\$274,000.00)		
Millville City - Design and Construction	(\$1,000,000.00)	-	-
Millville City - Loan Payoff Grant	(\$158,000.00)	-	-
Mount Pleasant Planning Advance	(\$50,000.00)	-	
Spanish Fork - Hardship Grant	(\$250,000.00)	(\$250,000.00)	
Salina Design Advance	(\$400,000.00)		
Non-Point Source/Hardship Grant Obligations			
Fitzgerald ARDL interest-rate buy down	(\$51,056.00)	-	-
McKees ARDL interest-rate buy down	(\$55,261.00)	-	-
Munk Dairy ARDL interest-rate buy down	(\$16,017.00)	-	-
(FY12) Utah Department of Agriculture	(\$177,928.00)	-	-
(FY15) DEQ - Ammonia Criteria Study	(\$27,242.00)	-	-
(FY17) DEQ - Utah Lake Water Quality Study	(\$348,301.00)	-	-
(FY20) Wasatch Co Health Dept Ground WQ Study	-	-	-
USU - Historic Trophic State/Nutrient Concentrations Paleo	(\$78,070.00)		
FY 2018 - Remaining Payments	(\$7,100.00)	-	-
FY 2019 - Remaining Payments	(\$113,336.00)		
FY 2020 - Remaining Payments	(\$354,977.00)	-	-
FY 2021 - Remaining Payments	(\$263,101.00)	-	-
FY 2022 - Remaining Payments	(\$884,705.00)	-	-
Future NPS Annual Allocations		(\$1,000,000.00)	(\$1,000,000.00)
<b>Total Obligations</b>	<b>(\$5,081,853.00)</b>	<b>(\$1,250,000.00)</b>	<b>(\$1,000,000.00)</b>
<b>HGF Unobligated Funds</b>	<b>\$1,651,673.00</b>	<b>\$1,888,641.00</b>	<b>\$2,263,874.00</b>



# CHAPTER 8. Project Priority List (PPL)

**State of Utah**  
**Wastewater Project**  
**Assistance Program Project**  
**Priority List**  
*As of March 2022*

TABLE 8 – FY22 PROJECT PRIORITY LIST

Rank	Project Name	Funding Authorized	Total Points	Point Categories			
				Project Need	Potential Improvement	Population Affected	Special Consideration
1	Provo City	X	144	50	24	10	60
2	South Salt Lake City (CVWRF)	X	143	50	23	10	60
3	South Davis Sewer District	X	138	50	18	10	60
4	Payson	X	120	35	17	8	60
5	Spanish Fork Water Reclamation Facility	X	117	50	19	8	40
6	Millville City	X	114	45	46	3	20
7	Mountain Green	X	108	50	14	4	40
8	Salina City		108	35	10	3	60
9	Lewiston City	X	67	10	16	1	40

DWQ-2022-016312

Project Number: \_\_\_\_\_  
Date Received: June 1, 2022  
Date to be presented to the WQB: June 22, 2022

**WATER QUALITY BOARD  
REQUEST FOR HARDSHIP PLANNING GRANT TO  
PREPARE GROUNDWATER QUALITY STUDY  
AUTHORIZATION**

APPLICANTS: Davis County Health Department  
PO BOX 618  
Farmington, Utah 84025  
801-525-5132

PRESIDING OFFICIAL Brian Hatch, Health Officer  
22 State Street  
Clearfield, Utah 84015  
801-525-8161  
([brianl@co.davis.ut.us](mailto:brianl@co.davis.ut.us))

CONTACTS: Randy Olson, Program Manager  
([rolson@co.davis.ut.us](mailto:rolson@co.davis.ut.us))

TREASURER: Dax Teuscher, Purchasing Manager  
Davis County  
61 South Main, Room 102  
Farmington, Utah 84025

CONSULTANT: David Epstein, Water Resources Scientist  
SWCA Environmental Consultants  
257 East 200 South  
Salt Lake City, Utah 84111  
801-366-2429

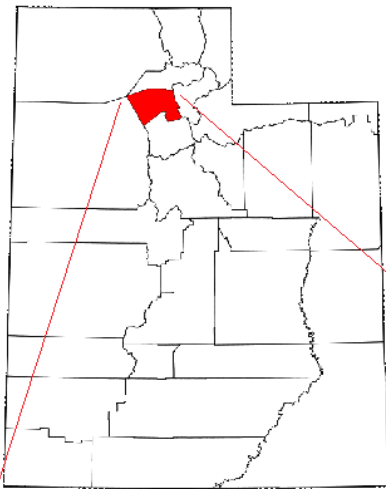
COUNTY ATTORNEY: Troy Rawlings  
PO Box 618  
Farmington, Utah 84025  
801-451-4300

**APPLICANT'S REQUEST:**

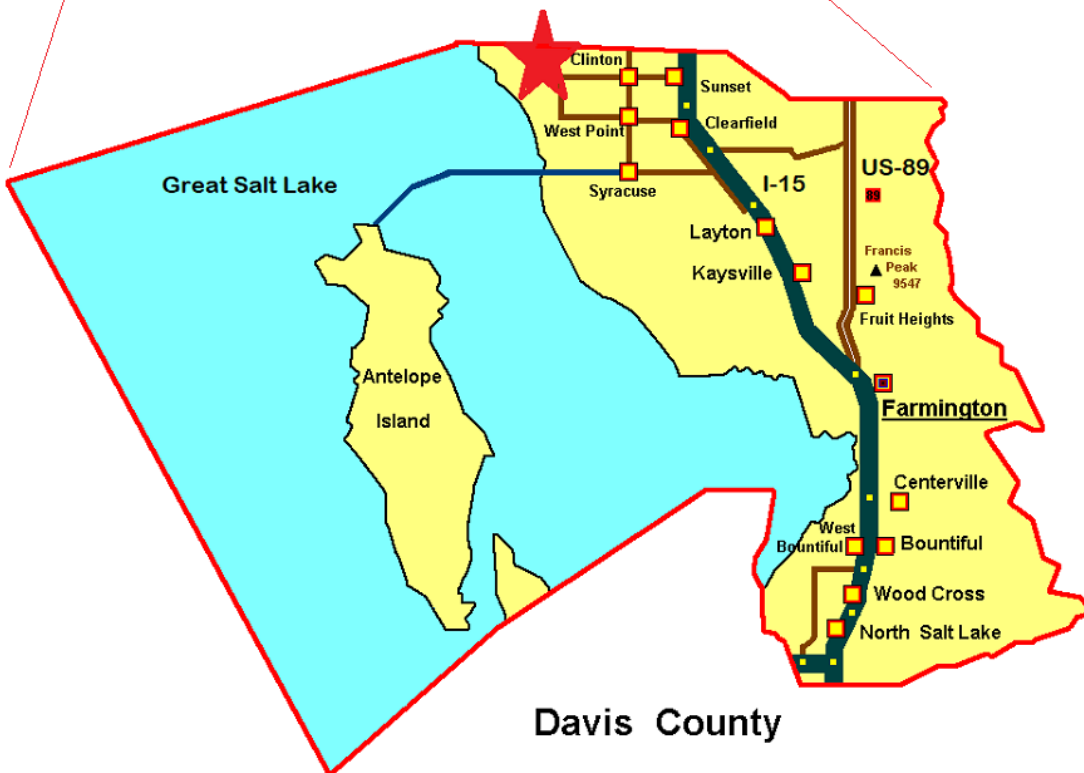
Davis County Health Department requests a **hardship planning grant in the amount of \$105,313** to conduct a hydrologic / water quality study in Northwest Davis County (West of West Point and Clinton Cities) and Southwest Weber County (in unsewered areas of Hooper City) to determine sewage management recommendations, allowable onsite (septic) system types, septic system densities, potential impact of development and increased wastewater on groundwater quality, and to serve as a basis for planning future development and growth.

**APPLICANT’S LOCATION**

Davis County, Utah is located in north central Utah immediately adjacent to Salt Lake County. The county location and study area are shown in the figure below.



Retrieved June 2, 2022 from the Web site:  
[https://en.wikipedia.org/wiki/File:Map\\_of\\_Utah\\_highlighting\\_Davis\\_County.svg](https://en.wikipedia.org/wiki/File:Map_of_Utah_highlighting_Davis_County.svg)



Retrieved June 2, 2022 from the Web site:  
[https://upload.wikimedia.org/wikipedia/commons/3/31/Daviscounty\\_ut.png](https://upload.wikimedia.org/wikipedia/commons/3/31/Daviscounty_ut.png)

## **BACKGROUND**

Davis County has a population of approximately 367,285 residents in 118,003 housing units (<https://www.census.gov/quickfacts/daviscountyutah>). Davis County has had an increased population of nearly 20% since 2010. The median adjusted gross household income (MAGI) for the study area is \$47,300<sup>1</sup> as compared with \$46,500 for the state of Utah.

There has been an increasing demand to build new subdivisions in the Northern unincorporated areas of Davis County (West of West Point and Clinton Cities) and the unsewered areas of Hooper City in Southwestern Weber County. Davis County's portion of the study area was zoned to allow 1 acre residential lots prior to 2019. Davis County health and elected officials became concerned with the number of onsite systems that potentially could be installed in this area while receiving proposals for several subdivisions with more than 100 lots each. Allowing uncontrolled development in this area (roughly 3,500 acres) could have resulted in thousands of septic systems in an area that has a shallow water table and a history of surface waters being contaminated by failed septic systems.

Davis County has historically promoted a "sewer first" approach to new development. Doing so in this area would require costly infrastructure to connect newly developed housing to the public sewer. Davis County responded to this development pressure by rezoning the area to limit new subdivisions to lot sizes of 10 acres minimum to allow the county time to conduct a groundwater study and the potential impact of onsite systems to groundwater. This time would also allow West Point City an opportunity to determine the cost and feasibility of extending public sewer service to this area.

The purpose of the current study is to provide data and ground water modeling to assess ground water conditions and quality, accounting for growth and land use transition that is projected to occur in the study area. Results from the study will inform the health department, county, and public about impacts to ground water from land use activities and protections in place. The study results and model will enable the county to assess the effectiveness of their current land use management strategies (e.g., zoning and ordinances) in protecting ground water quality and provide a basis for updating these strategies.

## **PROJECT DESCRIPTION:**

The proposed study will be conducted in three phases that are outlined below. The Davis County Health Department retained the consultant in 2020. Phase 1 has been completed and Phase 2 is in progress.

The study includes the following major tasks and deliverables:

- Phase 1 (complete)
  - Review existing information
  - Assessment of current water quality
- Phase 2 (ongoing)
  - Hydrogeologic characterization
  - Conduct groundwater sampling
  - Comparative data analysis
  - Compare current water quality to historical conditions
- Phase 3 (future)

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<sup>1</sup> MAGI data obtained June 6, 2022 from the Web site: <https://deq.utah.gov/drinking-water/magi-zip-code>.

- Report development
- Conclusions, including septic system density recommendations
- Public engagement
- Distribution of findings
- Prepare course of action (e.g. zoning and planning ordinances)

**IMPLEMENTATION SCHEDULE:**

Phase 2 of the study is projected to be completed in October, 2022 with field investigations being conducted through August or September of this year. Phase 3 is expected to be completed in late 2022 or early 2023, but its scoping and costs are pending completed work in Phase 2.

**PROJECT PRIORITY LIST**

A construction project is not anticipated at this time; therefore, the study is not given a priority listing. The study results are expected to inform decision makers for community planning, including the impacts that the community and its growth have, e.g., by septic tank densities, on its ground water quality.

**COST ESTIMATE:**

The study cost is estimated to be \$226,826. The phased project costs are broken down below.

Phase 1 – Review / Assessment of water quality	\$ 38,295
Phase 2 – Hydrogeologic characterization	\$ 118,364
Phase 3 – Public Outreach and Planning	\$ 70,167
<b>Total</b>	<b>\$ 226,826</b>

**Cost Sharing:**

The health department received supporting funding from the county and support from both West Point City and the Weber-Morgan Health Department (see letters of support attached to the application.) The health department is committed to completing the project but is requesting additional support from the Water Quality Board to do so.

The proposed breakdown for cost sharing is as follows:

Davis County / Davis County Health Department	\$ 121,513
Water Quality Board Grant	\$ 105,313
<b>Total</b>	<b>\$ 226,826</b>

**STAFF COMMENTS AND RECOMMENDATION:**

This is a critical project for the health department for assessing and developing tools for decision making toward control of nonpoint source pollution of groundwater that flows to the lower Weber River watershed area, the Howard Slough Waterfowl Management Area, and the Gilbert Bay area of the Great Salt Lake. The county and its health department have been leaders in the state in using strong science to support their land use management strategies wherein protecting water quality is a high priority. Their adoption of these strategies will serve as an important example to others in the state facing similar situations of strong economic growth and a need to protect water quality with balanced, science-based solutions for a safe and prosperous Utah.

This project is being presented as an authorization request to the Water Quality Board. Staff recommends the Board authorize the \$105,313 requested for a hardship planning grant to the Davis County Health Department subject to the following special conditions.

**SPECIAL CONDITIONS:**

1. The Division of Water Quality must approve the engineering agreement and plan of study before the grant agreement will be executed.
2. Davis County Health Department must provide an informational presentation of the study results and recommendations to the Water Quality Board within one year following the project completion.
3. This Planning Advance is a grant and will not be repaid.

# Davis County

<b>CITY</b>	<b>MAGI</b>	<b>POPULATION</b>	<b>WEIGHTED MAGI</b>
Bountiful	\$55,200	43,901	7,260
Centerville	\$61,800	17,404	3,222
Clearfield	\$40,200	31,364	3,777
Clinton	\$59,700	13,435	2,403
Farmington	\$74,900	23,847	5,351
Fruit Heights	\$77,500	6,172	1,433
Kaysville	\$72,400	31,494	6,831
Layton	\$52,900	76,197	12,076
North Salt Lake	\$55,300	20,402	3,380
South Weber	\$77,800	7,381	1,720
Sunset	\$39,100	5,278	618
Syracuse	\$70,800	29,331	6,221
West Bountiful	\$61,400	5,627	1,035
West Point	\$67,800	10,615	2,156
Woods Cross	\$55,900	11,340	1,899
		<b>333,788</b>	<b>\$59,384.52</b>

Data obtained June 6, 2022 from the Web sites:

<https://www.daviscountyutah.gov/county-info/cities> and <https://deq.utah.gov/drinking-water/magi-by-city>

<b>ZIP CODE</b>	<b>MAGI</b>
84015	\$47,300

Data obtained June 6, 2022 from the Web site: <https://deq.utah.gov/drinking-water/magi-zip-code>

DWQ-2022-018234

## UTAH DIVISION OF WATER QUALITY

195 North 1950 West  
PO Box 144870  
Salt Lake City, Utah 84114-4870

### Non Point Source Information and Education Financial Assistance Application for Project implementation

*Please attach this application as a cover page to your proposal. Address questions 1-110 of this application in a brief 3-5 page proposal with appropriate headings. Be sure to include all required signatures and requested information. Additional information may be requested upon submission of applications.*

Applicant Name: Davis County Government

Individual    Non-Profit    Govt. Agency    Academic    Commercial    Other

Co-Applicant Name (if applicable): \_\_\_\_\_

Individual    Non-Profit    Govt. Agency    Academic    Commercial    Other

Business Name (if applicable): Davis County Government

Mailing Address: PO Box 618

City: Farmington                      State: UT    Zip: 84025

Phone: 801\_525\_5132                      E-mail: rolson@co.davis.ut.us

Project Title: Hooper Area Water Quality Study

Project Location (latitude and longitude in decimal degrees): 41.1409°N, 112.1323°W

This is a Statewide Project (no coordinates required)

**TOTAL NPS Funding Requested**     \$ 105,313

Other Funding Sources being used (EQIP, GIP, WRI, Local, In-kind labor, or other) to accomplish the project. If all additional funding sources do not fit in the lines below, please include a separate table in the body of your application:

Funding Source	Amount
<u>Davis County</u>	\$ <u>105,313</u>
<u>DC In-Kind Labor</u>	\$ <u>16,200</u>
_____	\$ _____
<b>Total Amount of Matching Funding</b>	\$ <u>121,513</u>

**Total Project Cost (Requested + Matching Funds)**     \$ 226,826

Project Timeframe: Begin date 12/2020 Ending date 12/2022

If applicable, is the Waterbody listed on the 303(d) list of impaired water bodies?    Yes    No

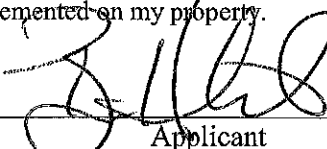
If yes, what pollutant and impaired use is it listed for? \_\_\_\_\_



In a separate document please address the following questions in numbered order. Failure to provide sufficient information will affect the likelihood of receiving project funding:

1. Describe the purpose and need for the project
2. Describe the scope of the project
3. Describe the waterbody affected by the project including its 12 digit watershed code (HUC). If it is a statewide project identify the locations where the bulk of efforts will be focused.
4. Describe all existing watershed plans or TMDLs that the project will help implement (only if tied to the I&E component of a specific watershed plan.
5. Describe the water quality benefits/number of people that will potentially be reached by the project
6. Describe any survey work or evaluations that have previously been done to identify the audience or need.
7. Describe how project effectiveness will be demonstrated
8. List consultants or agency partners that have participated, or will participate in project development (letters of support preferred, but not required)
9. Provide a detailed budget table for the project showing all proposed expenditures. This budget should include all expenditures (i.e., personnel, operating expenses, professional/consulting services, construction, equipment over \$5000, supplies, travel etc.). Be sure to show which expenditures will be covered by the grant funding requested and what will be covered by matching funds, including the source of the match.
10. Has the Division of Water Quality awarded funding to the applicant in the past? If so, list the year the grant(s) was awarded, and how much funding was received from DWQ. Please include a brief summary of the project work that was completed, and why additional funding is required.

I am willing to: (1) comply with all applicable laws and work with designated technical personnel as assigned to the above-referenced project in preparation of project implementation; (2) submit detailed project information to the Utah Division of Water Quality as requested to evaluate water quality improvements; (3) not to apply any practices which would tend to defeat the purpose of the project; and (4) allow continued monitoring and evaluation of the project activities implemented on my property.

Signature  Date 6/1/2022  
Applicant

Signature \_\_\_\_\_ Date \_\_\_\_\_  
Co-Applicant (if applicable)



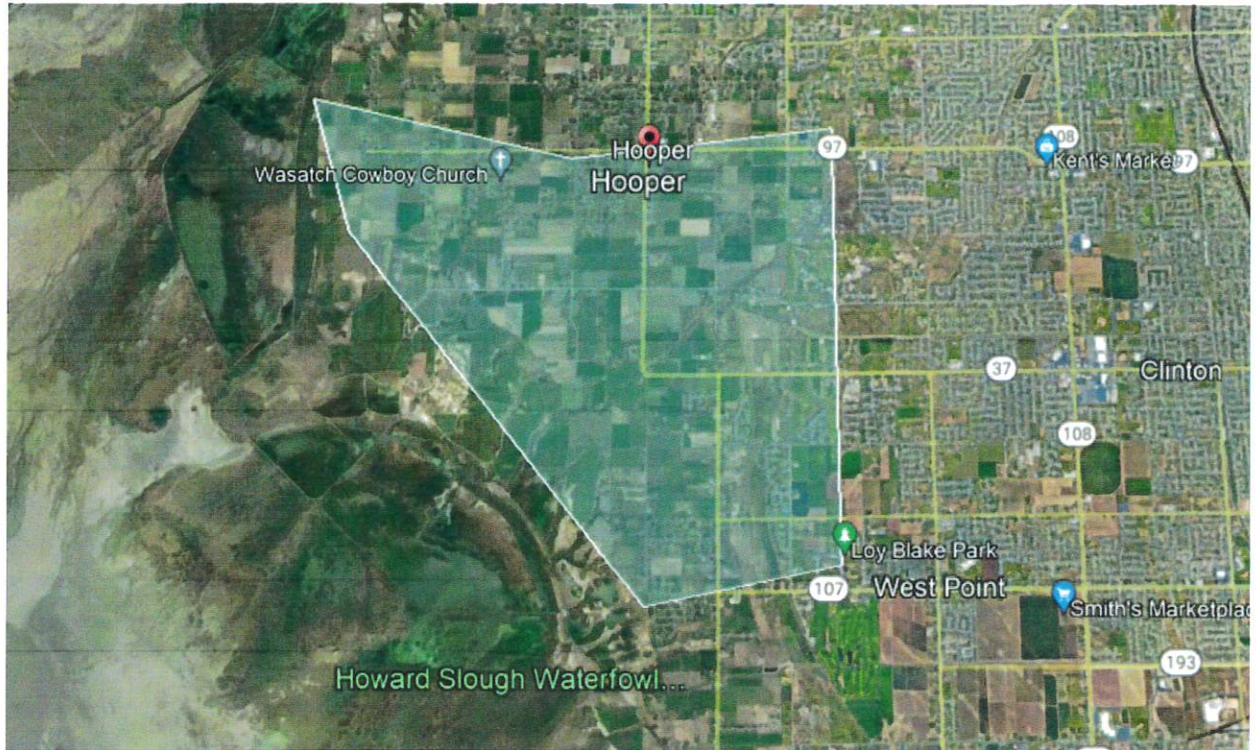
**In a separate document please address the following questions in numbered order. Failure to provide sufficient information will affect the likelihood of receiving project funding:**

**1. Describe the purpose and need for the project**

In the northern unincorporated areas of Davis County (west of West Point and Clinton cities) and the unsewered areas of Hooper City in Weber County, there has been an increasing demand to build new subdivisions. Prior to 2019, the Davis County portion of this area was zoned to allow subdivisions of 1 acre residential lots. Davis County became concerned with the number of septic systems that could be installed in this area when proposals started coming in for large subdivisions, of up to 100, 1 acre lots. Allowing uncontrolled development in this roughly 3,500 acre area could have resulted in thousands of septic systems in an area that has a shallow water table and a history of surface waters being contaminated from failed septic systems. Davis County has always promoted a "sewer-first" approach to new development; however, in this area, it could require costly infrastructure in order to connect new homes to a sewer district. In response to these issues, the area was rezoned in the summer of 2019 to limit new subdivisions to lot sizes of 10 acres. This would allow the County time to study the potential impact of high density septic in this area and to allow West Point City time to conduct a study that would determine the feasibility and expense of extending the sanitary sewer system to this area, should it be annexed into West Point City. Davis County has since contracted with SWCA Environmental Consultants to conduct a water quality study of this area that is due to be completed by the end of 2022. The study will result in sewage management recommendations including, but not limited to, septic system types and densities.

Upon completion, the study will serve to inform future planning and zoning for this area, both for Davis County and West Point City. If ground water quality stands to be negatively impacted by increased septic system densities in this area, the push for the area to be annexed and sewered by a neighboring City will be stronger. If all or part of the area remains as unincorporated Davis County, the results will be used to inform zoning of this area based on recommended septic system densities. The Davis County Health Department would also use the results to regulate the types of systems that could be allowed in this area, based on their risk to the groundwater. Additionally, the Weber-Morgan Health Department has expressed interest and support for this study as it may influence the regulation of septic systems in the Weber County, Hooper City portion of the study area.

## Study Area



## 2. Describe the scope of the project

The study will serve to help Davis County and their partners:

- Understand current water quality (surface and groundwater) conditions as well as how they have changed from historic conditions, and identify potential causes of any water quality degradation,
- Understand potential impacts of additional onsite wastewater systems,
- Develop recommendations for future growth in Davis and Weber Counties; including specific locations for development in addition to types of on-site wastewater systems to minimize impacts to public health and the environment.

These objectives will be met by SWCA Environmental Consultants who will complete the following:

### A. Stakeholder Involvement

1. Consult with and analyze growth plans of relevant stakeholders (Davis County, Weber County, Weber-Morgan Health Department, Hooper City, West Point City, Clinton City, North Davis Sewer District, and Central Weber Sewer Improvement District).

### B. Assessment of Current Water Quality

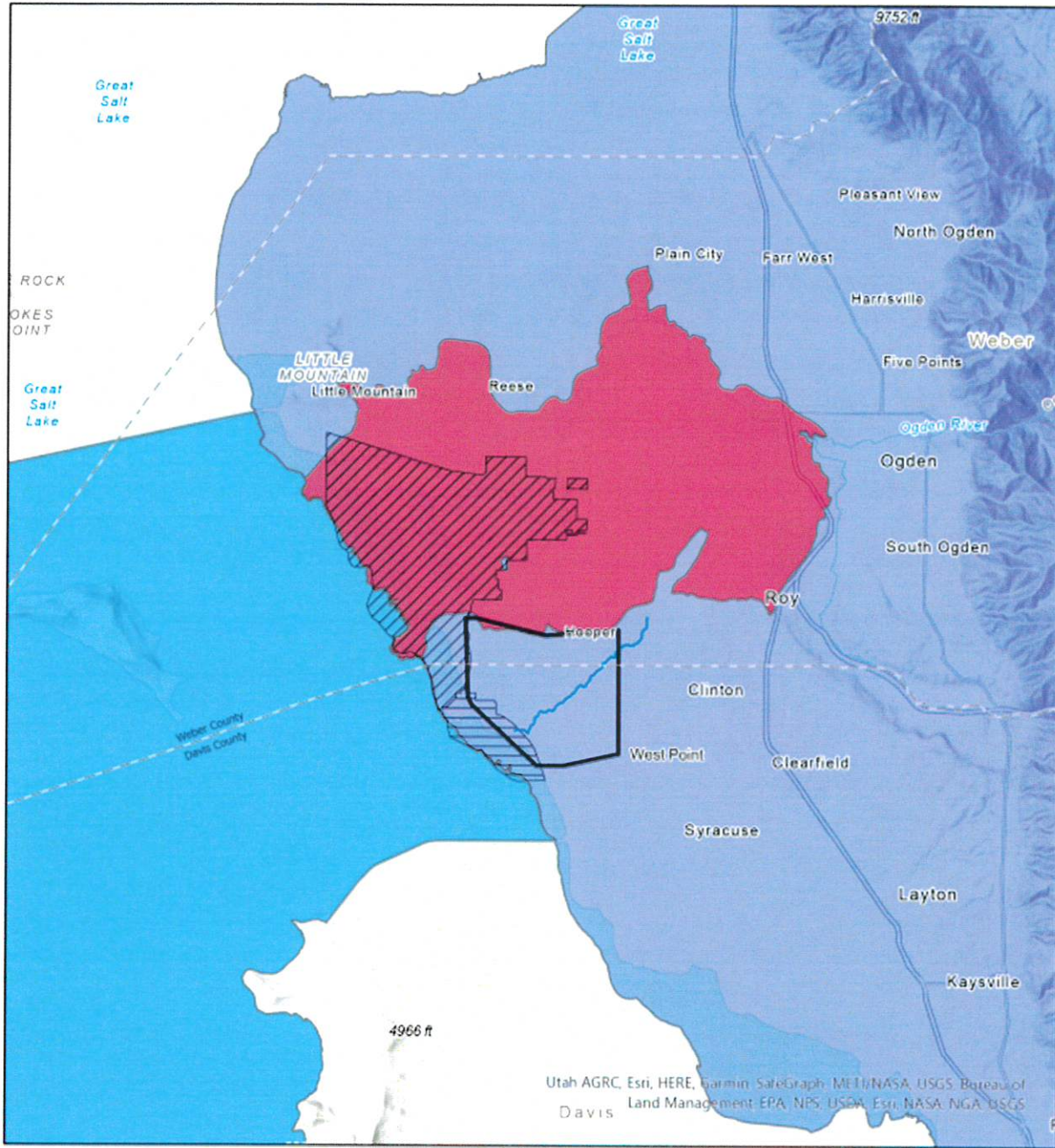
1. Identify parameters to be evaluated and collect water quality data from existing wells/streams/etc.;
2. Identify new areas for water testing and monitoring, to include the drilling of new monitoring wells; and


3. Perform regular sampling through a full water year and data analysis.
- C. Comparison of Current Water Quality Conditions to Historical Conditions
1. Compare previous water quality data with current data;
  2. Compare water quality of sewer areas (Hooper, West Point) against septic areas (Hooper, Unincorporated Davis County); and
  3. Evaluate the impact of non-human wastewater related activities on water quality (e.g. irrigation, land drains, livestock, etc.) in the study area.
- D. Hydrogeologic Characterization
1. Identify and review previously conducted hydrogeologic studies for north-western Davis County and south-western Weber County;
  2. Characterize the relevant aquifers in terms of depth, recharge sources, aquifer gradient, etc.;
  3. Identify pollutant transport transects within the study area;
  4. Evaluate the vulnerability of relevant aquifers; and
  5. Evaluate and characterize soil profiles within the study area.
- E. Septic System Density Evaluation
1. Identify existing septic systems in the study area and their impact on groundwater;
  2. Review potential impact of future high density septic in the study area;
  3. Make recommendations for future community development (sewer, individual septic systems, large community septic systems, other alternatives) for the management of groundwater quality;
  4. Make recommendations for septic system types (conventional, alternative, etc.) and densities.
- F. Final Report and Recommendations
1. Present study results and preliminary recommendations to all stakeholders for feedback;
  2. Review stakeholder feedback with the Davis County Health Department; and
  3. Prepare and submit a final report with revised recommendations.

**3. Describe the waterbody affected by the project including its 12 digit watershed code (HUC). If it is a statewide project identify the locations where the bulk of efforts will be focused.**

The study area is in the Lower Weber watershed (HUC 16020102). It is also bordered on the North by the Weber River-1 (HUC UT-16020102-001\_00) assessment unit and on the West by Gilbert Bay (HUC 12 UT-L-16020310-001\_00). Gilbert Bay is of particular concern as all of the surface water that flows through the study area drains to Gilbert Bay of the Great Salt Lake. Also of concern is the Howard Slough waterway which runs through the middle of this study area and into the Howard Slough WMA, before making its way to Gilbert Bay. The Howard Slough is a protected water body classified as 2B, 3C and class 4.





-  Study Area
-  Howard Slough
-  Ogden Bay Waterfowl Management Area
-  Howard Slough Waterfowl Management Area
-  Weber River-1 (HUC UT-16020102-001\_00)
-  Lower Weber Watershed (HUC 16020102)
-  Gilbert Bay (HUC 12 UT-L-16020310-001\_00)

**4. Describe all existing watershed plans or TMDLs that the project will help implement (only if tied to the I&E component of a specific watershed plan.)**

Not applicable.

**5. Describe the water quality benefits/number of people that will potentially be reached by the project**

The recommendations from the study will be utilized to influence development decisions for this area, particularly as they relate to sewage management. These decisions will be taken to ensure that water quality will not be unduly impacted by onsite wastewater systems. Currently there are 119 homes in the unincorporated Davis County part of this study area, all of which have onsite wastewater systems, with a population of approximately 380. If the County were to allow 1 acre lots, presumably 2,000 - 3,000 additional homes could be built in this 3,500 acre area. If West Point City were to annex the area, the number of homes could be even higher as their current zoning in adjoining areas allows 2.2 units/acre. If 3,000 additional homes were built, the population of the area may rise to over 9,000.

**6. Describe any survey work or evaluations that have previously been done to identify the audience or need.**

Over the past several years, the Davis County Commission and Davis County Planning have had regular meetings with representatives of the Davis County Health Department, West Point City and the North Davis Sewer District to discuss the study area. Davis County and West Point City have also both met with private property owners in this area over the past few years to discuss development and annexation options. These meetings helped prescribe the need for, and the scope of, a water quality study in this area.

**7. Describe how project effectiveness will be demonstrated**

As the results of this study will be used to help determine the best path forward for sewage management in this area, effectiveness of the study would be demonstrated by changes to Davis County and/or West Point City zoning, changes in the Davis County Health Department's onsite wastewater program related to minimum lot sizes and allowable septic system types, and/or the extension of the sanitary sewer.

**8. List consultants or agency partners that have participated, or will participate in project development (letters of support preferred, but not required)**

West Point City (see attached), Weber-Morgan Health Department (see attached), and the North Davis Sewer District.

**9. Provide a detailed budget table for the project showing all proposed expenditures. This budget should include all expenditures (i.e., personnel, operating expenses,**

professional/consulting services, construction, equipment over \$5000, supplies, travel etc.). Be sure to show which expenditures will be covered by the grant funding requested and what will be covered by matching funds, including the source of the match.

Davis County contracted with SWCA Environmental Consultants to complete the study, for a cost of \$210,626. SWCA has broken down the cost into six different tasks as seen below.

Davis County is requesting funding to cover 50% of the contract amount which equates to \$105,313. Davis County will cover the remaining \$105,313, as well as Davis County personnel expenses.

<b>Project Expenditures</b>		<b>Totals</b>
SWCA Contract		
Stakeholder Involvement and Program Management	\$32,329	
Assessment of Current Water Quality	\$96,876	
Comparison to Historic Water Quality	\$5,966	
Hydrogeologic Characterization	\$21,488	
Septic System Density Evaluation	\$21,536	
Final Report and Recommendations	\$32,431	
		<b>\$210,626</b>
Davis County Expenses		
Personnel - 270 Staff hrs @ \$60/hr (Benefitted Hourly Rate)	\$16,200	
		<b>\$16,200</b>
<b>Total Project Cost</b>		<b>\$226,826</b>
<b>Funding</b>		<b>Totals</b>
Non - Point Source Grant (Proposed)		
50% of SWCA Contract	\$105,313	
		<b>\$105,313</b>
Davis County		
50% of SWCA Contract	\$105,313	
Davis County Personnel	\$16,200	
		<b>\$121,513</b>

10. Has the Division of Water Quality awarded funding to the applicant in the past? If so, list the year the grant(s) was awarded, and how much funding was received from DWQ. Please include a brief summary of the project work that was completed, and why additional funding is required.

Not applicable.





3200 West 300 North  
West Point, UT 84015  
PH: 801-776-0970  
FAX: 801-525-9150  
[www.westpointcity.org](http://www.westpointcity.org)

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April 26, 2022

State of Utah Water Quality Board

To Whom It May Concern,

West Point City has partnered with the Davis County Health Department (DCHD) in a study of water quality in the County. This study has long lasting impacts and we are grateful for the partnership we have created. We look forward to the data this study will provide and the assistance it will be in our future planning and zoning decisions. In addition to supporting the DCHD through coordination meetings and project development, we also support the drilling of monitoring wells that will provide critical data. In short, we are very supportive of this project and hope funding can be provided to DCHD to help this project continue.

As mentioned, West Point City will use the data from this study to assist us with Planning and Zoning decisions. The data will also be used to ensure that septic systems are only used when necessary and to the extent that water quality can be positively maintained. As development continues throughout the State of Utah, and particularly in Davis County, this area will be in high demand. Sewer infrastructure is a great concern in this area and this study will put us in a position to make good, data-driven decisions to protect our groundwater resources.

Feel free to contact me with any questions.

Sincerely,

Kyle Laws  
City Manager  
West Point City



BRIAN COWAN, MPH, LEHS  
Health Officer/Executive Director



May 2, 2022

Department of Environmental Quality  
Division of Water Quality  
P.O. Box 144870  
Salt Lake City, UT 84114-4870

RE: Letter of Support for the Davis County Hooper Area Ground Water Quality Study

We are writing this letter to express our support for the consideration of funding for the Davis County Hooper Area Ground Water Quality Study. The Weber-Morgan Health Department has worked with Davis County as a partner agency on this project to date. This study will have beneficial impact for the Weber-Morgan Health Department.

The identified study area encompasses northern Davis County and a portion of southern Weber County. While the focus of the study is the evaluation of ground water degradation in Davis County, information critical to Weber County will also be provided. The study will include three to four water quality sampling locations within Weber County.

The Weber County portion of the study area is unique in that it has a high density of antiquated septic systems, installed circa 1970-1980. A Shallow Ground Water Management Study for Western Weber County was completed in 2001. Completion of the Davis County Hooper Area Ground Water Quality Study will provide critical information allowing our office to compare the 2001 water quality data to current water quality data. This information will be utilized in the evaluation of appropriate onsite wastewater treatment system density and system type determination for the Hooper area.

The Weber-Morgan Health Department is willing to act as a partner with the Davis County Health Department in their effort to protect the ground water quality. For the benefit of our communities, we hope that you will respond favorably to this proposal

Sincerely,

  
Summer Day, LEHS III  
Program Manager  
Environmental Health Division

**EDUCATE | ENGAGE | EMPOWER**



State of Utah

SPENCER J. COX  
Governor

DEIDRE HENDERSON  
Lieutenant Governor

Department of  
Environmental Quality

Kimberly D. Shelley  
Executive Director

DIVISION OF WATER QUALITY  
John K. Mackey, P.E.  
Interim Director

**Water Quality Board**  
Steven K. Earley, Chair  
James Webb, Vice Chair  
Carly Castle  
Brandon Gordon  
Michela Harris  
Joseph Havasi  
Trevor Heaton  
Michael D. Luers  
Kimberly D. Shelley  
John K. Mackey  
Interim Executive Secretary

**MEMORANDUM**

**TO:** Water Quality Board

**THROUGH:** John K. Mackey, P.E. Interim Director

**FROM:** Andrew Pompeo, John Chartier, P.E., Paul Wright P.E., Russell Seeley, P.E.

**DATE:** June 22, 2022

**SUBJECT:** Southern Utah Reuse ARPA Grant Program

**Overview**

The American Rescue Plan Act (ARPA) was passed to provide funds for infrastructure needs to address the inflation and market volatility caused by the COVID-19 pandemic. The Utah State Legislature has charged the Utah Water Quality Board (Board) with administering a \$15 million competitive grant program for Southern Utah Reuse Projects with funds from ARPA. The State Legislature describes the Southern Utah Reuse Grant Program as a: “*Competitive grant program for wastewater reuse projects in Southern Utah with priority for projects that mitigate the impacts of drought on rural communities and the agricultural sector.*”<sup>1</sup> The Board has authority to obligate these funds under the guidance given by the State of Utah Legislature and in accordance with Department of Treasury Coronavirus State and Local Fiscal Recovery Funds Final Rule (Final Rule) effective April 1, 2022. The Final Rule states funding may be granted under ARPA to projects meeting the eligibility requirements of the Clean Water State Revolving Fund (CWSRF).

**Eligible Projects**

Section 603(c) of the Clean Water Act (CWA) 312 describes that the CWSRF program can provide assistance to any municipality, intermunicipal, interstate, or state agency for reusing or recycling wastewater. This includes, as part of a reuse project, the purchase and installation of treatment equipment sufficient to meet reuse standards. Other eligible projects include, but are not limited to, distribution systems to support effluent reuse, including piping the effluent on the property of a private consumer, recharge transmission lines, injection wells, and equipment to reuse effluent.

<sup>1</sup> State Legislature description: <https://cobi.utah.gov/2022/62/issues/18697>

### **Project Location**

The project shall be located in Southern Utah. For application consideration, staff have prepared three alternative definitions of “Southern Utah” for Board consideration and listed below. A map illustrating these delineations is provided in Attachment 1.

1. *A project must be constructed south of latitude 39.75 degrees North. For reference, that is approximately W 2700 N, Nephi, Utah.*
2. *A project must be constructed within the Central, Southwestern, San Juan, or Southeastern Health Department boundaries.*
3. *A project must be constructed within Beaver, Piute, Wayne, San Juan, Iron, Garfield, Washington, or Kane counties.*

### **Local Contribution**

Staff recommends that local contribution, i.e., matching funds, should be a consideration or requirement for the award of these grant funds to leverage these federal dollars to the maximum extent possible. We recommend that the Water Quality Board require all projects over \$150,000 to include a minimum local contribution and that projects over \$150,000 are required a 30-60% local contribution.

### **Scoring Criteria**

The following questions will guide the selection committee on which projects will be invited to appear in front of the Board for funding obligation. Additional information may be required by the selection committee.

1. Please describe your reuse project?
2. How will your project mitigate drought impacts on a rural community? (25 points)
3. How will your project mitigate drought impacts on local agriculture? (20 points)
4. How will the project replace a current use of potable quality water? Please provide data on the historical potable quality water use the reuse project will replace. (15 points)
5. Will the project help mitigate a water quality issue or a public health hazard? Please describe. (10 points)
6. Project Cost and Funding (10 points)
  - a. What is the estimated cost of the project?
  - b. How much local funds will be brought to the project?

- c. Does the project currently have any grant funds awarded to it by another funding agency?
  - d. How will the remainder of the project be funded if only partial grant funds are obligated or if bids come in over the estimate?
  - e. Has your project been bid?
  - f. Has your project started construction?
  - g. Has your project completed construction?
7. How will the project enrich the community? (10 points)
8. Hardship Analysis (10 points) using the Financial Burden Evaluation Policy
- a. What is the population the project will serve?
  - b. What zip codes will this project serve?
  - c. What is your average monthly user fee for wastewater service?

### **To Apply**

**Applicants must apply by October 17, 2022** to have their applications considered. A portal address for receipt of applications has been established at [dwqarpareuse@utah.gov](mailto:dwqarpareuse@utah.gov).

### **Anticipated Schedule**

During November 2022 a proposal evaluation committee will meet to rank the proposed projects. Top ranked proposed projects will be invited to appear during the December 14, 2022 Water Quality Board meeting for introductions. During the meeting a community representative will have the opportunity to present the project to the Board. The Board will obligate funds during the January Board meeting or ask communities to return during another meeting.

If funding is obligated, recipients must spend or demonstrate sufficient progress to spend the funds by October 1, 2024 or the funds risk being re-obligated. Submission of stamped engineering plans and specifications and a reuse project plan by October 1, 2024 to the Division of Water Quality shall be viewed as sufficient progress. All recipients must spend the funds by December 31, 2026.

### **Funds Disbursement Process**

After funds are obligated, funds will only be disbursed in accordance with the grant agreement signed by the Executive Secretary of the Water Quality Board.

ATTACHMENT 1

**APPROXIMATE POTENTIAL SOUTHERN UTAH BOUNDARIES**

