



State of Utah

GARY R. HERBERT
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SPENCER J. COX
Lieutenant Governor

Department of
Environmental Quality

L. Scott Baird
Interim Executive Director

DIVISION OF WATER QUALITY
Erica Brown Gaddis, PhD
Director

Water Quality Board
Jennifer Grant, Chair
Gregg A. Galecki, Vice Chair
Steven K. Earley
Brandon Gordon
Michael D. Luers
L. Scott Baird
Emily Niehaus
James Webb
Dr. James VanDerslice
Dr. Erica Brown Gaddis
Executive Secretary

Utah Water Quality Board Meeting
DEQ Board Room 1015
195 North 1950 West
Salt Lake City, UT 84116
August 28, 2019

AGENDA

Work Meeting Begins at 8:30 am

- 1. SRF Loan Affordability Criteria & MWPP Survey Results.....John Mackey

Water Quality Board Meeting Begins at 9:30 am
Roll Call

A. Minutes:

- Approval of minutes for June 26, 2019 Water Quality Board Meeting..... Jennifer Grant

B. Executive Secretary’s Report Jim Harris

C. Funding Requests:

- 1. Financial Report Jerry Rogers
- 2. Amended FY19 Intended Use Plan: Request for Public Comment Emily Cantón
- 3. Wasatch County Health Department: Request for Hardship Planning GrantRobert Beers

D. Other Business:

- 1. Wellington City Financial Assistance Project Follow-up Skyler Davies

E. Public Comment Period

F. Meeting Adjournment

Next Meeting September 25, 2019
DEQ Board Room 1015
195 North 1950 West
Salt Lake City, UT 84116

Revised 8/7/2019

DWQ-2019-009228

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MINUTES

UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY

UTAH WATER QUALITY BOARD

195 North 1950 West
Salt Lake City, UT 84116

June 26, 2019

UTAH WATER QUALITY BOARD MEMBERS PRESENT

Jennifer Grant	Gregg Galecki
Steven Earley	Scott Baird
James Webb	Emily Neihaus (On Phone)
Brandon Gordon	James VanDerslice
Mike Luers	

DIVISION OF WATER QUALITY STAFF MEMBERS PRESENT

Robert Beers	Kate Fickas	Brenda Johnson
Chris Bittner	Erica Gaddis	John Mackey
Jim Bowcutt	Jodie Gardberg	Jerry Rogers
Emily Cantón	James Harris	Kim Shelley
Marsha Case	Elise Hinman	Jake Vander Laan
Scott Daly	Ken Hoffman	
Skyler Davies	Ben Holcomb	

OTHERS PRESENT

Name	Organization Representing
Mitch Hogsett	Forsgren/ULWQS
Tim Bagshaw	Holland & Hart
Riley Astill	Kearns Improvement District
Greg Anderson	Kearns Improvement District
Pamela Gill	Kearns Improvement District
Marian Rice	Salt Lake City DPO
Cory Pierce	Spanish Fork City
David Barlow	TSSD
Jay Olsen	UDAF
Kelly Pehrson	UDAF

Name (continued)	Organization Representing
Eric Ellis	ULC
Judy Sims	Utah State University
Ron Sims	Utah State University
Brian Cowan	Weber-Morgan Health Department
Alex Buxton	Zions/Kearns Improvement District
Japheth McGee	Zions/Kearns Improvement District

Ms. Grant called the Board meeting to order at 8:30 AM and took roll call for the members of the Board and audience.

APPROVAL OF MINUTES OF MAY 22, 2019 MEETING

Motion: Mr. Galecki moved to approve the minutes of the May 22, 2019 meeting. Mr. Webb seconded the motion. The motion passed unanimously.

EXECUTIVE SECRETARY REPORT

National Level

- Dr. Gaddis gave an update on the 401 Water Quality Certification program. On June 10, 2019 the EPA released new guidelines for the 401 certification program. The general recommendation is for a process and timelines that Utah already follows. The EPA has recommended that the timeline begin when the applicant first submits the application and the process should be finished in one year from the first submittal.

State Level

- Dr. Gaddis updated the WQ Board on Harmful Algal Blooms. A warning has been issued for Calder Reservoir and Provo Bay on Utah Lake. Earlier this summer there was a warning issued for Saratoga Springs on Utah Lake.
- Division staff are in the process of reviewing Utah Lake Algal Treatment RFPs.
- Dr. Gaddis gave an update on the MWPP survey. There were 100 facilities that participated in the survey. This is an increase in participation from previous years.
 - Dr. Gaddis asked the WQ Board if they would like a work meeting to discuss the MWPP data that was presented in 2018. The WQ Board agreed that they would like to have guidance on how the larger storm water and municipal wastewater programs can be combined.

Division Level

- Elise Hinman, a new employee in the Watershed Protection Section, was introduced to the Board. She is serving as the Weber River and Uinta Basin Watershed Coordinator.
- Kate Fickas, a new employee in the Standards and Technical Services Section, was introduced to the Board. She is the new biological assessment and HAB coordinator.

FUNDING REQUESTS

Financial Report: Mr. Rogers updated the Water Quality Board on the Loan Funds and Hardship Grant Funds, as indicated in the packet.

Kearns Improvement District Request for Construction Assistance Authorization: Mr. Hoffman presented the KID request for assistance in the form of a loan from the Utah Water Quality Board in the amount of \$4,595,000 for construction of a new sewer lift station and sewer collection lines in support of community growth

Motion: Mr. Galecki moved to approve the KID request for Construction Assistance Authorization in the amount of \$1.414 million at the interest rate of 1.62%. Mr. Earley seconded the motion. The motion passed with a majority vote with Mr. Webb, Ms. Grant and Mr. Gordon opposing the request.

Request to Amend the Utah Lake Water Quality Board Grant: Mr. Daly presented the recommendation to the Board to amend the Utah Lake Water Quality Study (ULWQS) Board grant made to the Division of Water Quality to redirect \$385,608.29 from DWQ to three near-term research projects.

Motion: Mr. Luers moved to approve the staff recommendation to redirect \$385,608.29 from the Division of Water Quality to the three near-term research projects. Mr. Gordon seconded the motion. The motion passed unanimously.

RULE MAKING

Request for Adoption of Amendments to R317-1, Definitions and General Requirements and R317-2, Standards of Quality for Waters of the State: Mr. Bittner presented the recommendation that the Water Quality Board adopt the amendments as proposed in the April 1, 2019 Bulletin as a Board Order with an effective date of July 1, 2019.

Motion: Mr. VanDerslice moved to approve the Board Order (attachment 1) as noted in the packet. Mr. Earley seconded the motion. The motion passed with a majority vote. Mr. Luers recused himself because of a conflict.

OTHER BUSINESS

Sudweeks Award Presentation: Mr. Beers presented the 2019 Calvin K. Sudweeks Award to Ms. Judy Sims of Utah State University.

State Nonpoint Source Program Annual Report for Fiscal Year 2019: Mr. Bowcutt presented the Annual NPS Programmatic Report to the Water Quality Board.

Public Comments:

- No public comments.

Meeting Adjournment

Motion: **Mr. Gordon moved to adjourn the meeting. Mr. Luers seconded the motion. The motion passed unanimously.**

To listen to the full recording of the Board meeting go to: <http://www.utah.gov/pmn/index.html>

Next Meeting – August 28, 2019
195 North 1950 West
Salt Lake City, UT 84116

Jennifer Grant, Chair
Utah Water Quality Board

**LOAN FUNDS
FINANCIAL STATUS REPORT
AUGUST FY 2020**

	State Fiscal Year 2020	State Fiscal Year 2021	State Fiscal Year 2022	State Fiscal Year 2023	State Fiscal Year 2024	State Fiscal Year 2025	State Fiscal Year 2026
STATE REVOLVING FUND (SRF)							
Funds Available							
2016 - 2019 Capitalization Grants	27,398,801	-	-	-	-	-	-
2017 - 2019 State Match	4,800,000	-	-	-	-	-	-
Future Capitalization Grants (estimated)	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000
Future State Match (estimated)	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000
SRF - 2nd Round	104,904,104	96,157,665	65,757,342	25,268,021	4,721,952	11,886,851	39,192,394
Interest Earnings at 2.866%	2,756,294	2,756,167	1,884,803	724,257	135,345	340,713	1,123,372
Loan Repayments	12,732,761	14,992,510	18,374,876	17,378,674	17,478,554	17,364,830	17,364,830
Total Funds Available	162,191,960	123,506,342	95,617,021	52,970,952	31,935,851	39,192,394	67,280,595
Project Obligations							
Duchesne City	(27,295)	-	-	-	-	-	-
Logan City	(23,131,000)	(23,000,000)	(23,000,000)	-	-	-	-
Logan City - Supplemental Loan	(6,000,000)	-	-	-	-	-	-
Moab City	(80,000)	-	-	-	-	-	-
Salem City	(2,969,000)	-	-	-	-	-	-
San Juan Spanish Valley SSD	(227,000)	-	-	-	-	-	-
Loan Authorizations							
Central Valley Water Reclamation Facility	(5,000,000)	(15,000,000)	(20,100,000)	(23,000,000)	(2,000,000)	-	-
Provo City	-	(15,000,000)	(25,000,000)	(23,000,000)	(15,800,000)	-	-
South Davis Sewer District (with NPS)	(26,351,000)	(2,500,000)	-	-	-	-	-
South Salt Lake City	(2,249,000)	(2,249,000)	(2,249,000)	(2,249,000)	(2,249,000)	-	-
Planned Projects							
None at this time							
Total Obligations	(66,034,295)	(57,749,000)	(70,349,000)	(48,249,000)	(20,049,000)	-	-
SRF Unobligated Funds	\$ 96,157,665	\$ 65,757,342	\$ 25,268,021	\$ 4,721,952	\$ 11,886,851	\$ 39,192,394	\$ 67,280,595

	State Fiscal Year 2020	State Fiscal Year 2021	State Fiscal Year 2022	State Fiscal Year 2023	State Fiscal Year 2024	State Fiscal Year 2025	State Fiscal Year 2025
UTAH WASTEWATER LOAN FUND (UWLF)							
Funds Available							
UWLF	\$ 18,977,724	\$ 8,685,276	\$ 12,409,068	\$ 15,806,674	\$ 18,754,962	\$ 21,686,553	\$ 24,617,588
Sales Tax Revenue	2,879,719	3,587,500	3,587,500	3,587,500	3,587,500	3,587,500	3,587,500
Loan Repayments	2,360,533	3,357,992	3,031,806	2,582,488	2,565,791	2,565,235	2,565,235
Total Funds Available	24,217,976	15,630,768	19,028,374	21,976,662	24,908,253	27,839,288	30,770,322
General Obligations							
State Match Transfers	(6,400,000)	(1,600,000)	(1,600,000)	(1,600,000)	(1,600,000)	(1,600,000)	(1,600,000)
DWQ Administrative Expenses	(1,621,700)	(1,621,700)	(1,621,700)	(1,621,700)	(1,621,700)	(1,621,700)	(1,621,700)
Project Obligations							
Grantsville City	(2,576,000)	-	-	-	-	-	-
Loan Authorizations							
Kane Co Water Conservancy Dist (Duck Creek)	(1,000,000)	-	-	-	-	-	-
Kearns	(1,414,000)	-	-	-	-	-	-
Planned Projects							
Plain City	(2,521,000)	-	-	-	-	-	-
Total Obligations	(15,532,700)	(3,221,700)	(3,221,700)	(3,221,700)	(3,221,700)	(3,221,700)	(3,221,700)
UWLF Unobligated Funds	\$ 8,685,276	\$ 12,409,068	\$ 15,806,674	\$ 18,754,962	\$ 21,686,553	\$ 24,617,588	\$ 27,548,622

<i>Contingency Calculation for Authorized Projects</i>							
Total Unobligated Loan Funds	\$ 104,842,942	\$ 78,166,410	\$ 41,074,695	\$ 23,476,914	\$ 33,573,404	\$ 63,809,981	\$ 94,829,217
25% Contingency for Authorized Projects	\$ (9,003,500)	\$ (8,687,250)	\$ (11,837,250)	\$ (12,062,250)	\$ (5,012,250)	\$ -	\$ -
Remaining Balance	\$ 95,839,442	\$ 69,479,160	\$ 29,237,445	\$ 11,414,664	\$ 28,561,154	\$ 63,809,981	\$ 94,829,217

**HARDSHIP GRANT FUNDS
FINANCIAL STATUS REPORT
AUGUST FY 2020**

HARDSHIP GRANT FUNDS (HGF)	State Fiscal Year 2020	State Fiscal Year 2021	State Fiscal Year 2022	State Fiscal Year 2023	State Fiscal Year 2024	State Fiscal Year 2025	State Fiscal Year 2026
Funds Available							
Beginning Balance		\$ 4,127,631	\$ 4,288,631	\$ 4,711,572	\$ 5,119,000	\$ 5,512,666	\$ 5,891,082
Federal HGF Beginning Balance	6,222,505	-	-	-	-	-	-
State HGF Beginning Balance	1,775,880	-	-	-	-	-	-
Interest Earnings at 2.866%	210,153	118,310	122,925	135,048	146,726	158,010	168,856
UWLF Interest Earnings at 2.866%	543,959	248,946	355,681	453,067	537,573	621,602	705,614
Hardship Grant Assessments	768,980	666,402	571,300	473,841	392,175	309,384	218,883
Interest Payments	326,192	403,983	373,034	345,473	317,191	289,421	261,668
Advance Repayments	-	-	-	-	-	-	-
Total Funds Available	9,847,669	5,565,272	5,711,572	6,119,000	6,512,666	6,891,082	7,246,103
Financial Assistance Project Obligations							
Eagle Mountain City - Construction Grant	(510,000)	-	-	-	-	-	-
Emigration Sewer Imp Dist - Planning Grant	(26,158)	-	-	-	-	-	-
Green River	(54,000)	-	-	-	-	-	-
Kane Co Water Conservancy Dist (Duck Creek) - Hardship Grant	(2,034,500)	-	-	-	-	-	-
Lewiston - Planning Advance	(40,000)	-	-	-	-	-	-
USU Extension - Hardship Grant	(42,000)	-	-	-	-	-	-
Wellington City	(44,026)	-	-	-	-	-	-
Non-Point Source/Hardship Grant Obligations							
Fitzgerald ARDL interest-rate buy down	(51,056)	-	-	-	-	-	-
McKees ARDL interest-rate buy down	(55,261)	-	-	-	-	-	-
(FY11) Gunnison Irrigation Company	(48,587)	-	-	-	-	-	-
(FY11) DEQ - Willard Spur Study	(113,326)	-	-	-	-	-	-
(FY12) Utah Department of Agriculture	(427,868)	-	-	-	-	-	-
(FY13) DEQ - Great Salt Lake Advisory Council	(176,135)	-	-	-	-	-	-
(FY15) DEQ - Ammonia Criteria Study	(46,630)	-	-	-	-	-	-
(FY15) DEQ - Nitrogen Transformation Study	(14,500)	-	-	-	-	-	-
(FY16) DEQ - San Juan River Monitoring	(125,083)	-	-	-	-	-	-
(FY17) DEQ - GW Quality Study	(5,051)	-	-	-	-	-	-
(FY17) DEQ - Utah Lake Water Quality Study	(231,495)	(172,749)	-	-	-	-	-
BYU - Utah Lake Sediment - Water Nutrient Interactions	(70,785)	-	-	-	-	-	-
USU - Bioassays to Investigate Nutrient Limitation	(53,361)	(26,282)	-	-	-	-	-
UofU - Historic Trophic State/Nutrient Concentrations Paleo Record	(157,571)	(77,609)	-	-	-	-	-
FY 2015 - Remaining Payments	(4,223)	-	-	-	-	-	-
FY 2016 - Remaining Payments	(141,507)	-	-	-	-	-	-
FY 2017 - Remaining Payments	(91,416)	-	-	-	-	-	-
FY 2018 - Remaining Payments	(387,883)	-	-	-	-	-	-
FY 2019 - Remaining Payments	(667,616)	-	-	-	-	-	-
Future NPS Annual Allocations	-	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)
Planned Projects							
*Wasatch County Study	(100,000)	-	-	-	-	-	-
Total Obligations	(5,720,038)	(1,276,641)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)
HGF Unobligated Funds	\$ 4,127,631	\$ 4,288,631	\$ 4,711,572	\$ 5,119,000	\$ 5,512,666	\$ 5,891,082	\$ 6,246,103

*WQB Agenda Items

State of Utah
Wastewater Project Assistance Program
Project Priority List
As of Aug 14, 2019

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	Central Valley Water Reclamation Facility	x	143	50	23	10	60
3	South Davis Sewer District	x	138	50	18	10	60
4	Plain City		105	50	10	5	40
5	Kearns	x	74	5	0	9	60
6	Kane County Water Conservancy District (Duck Creek)	x	62	40	21	1	0



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MEMORANDUM

TO: Utah Water Quality Board

THROUGH: Erica Brown Gaddis, PhD
Director

THROUGH: John K. Mackey, P.E.
Engineering Section Manager

FROM: Emily Cantón
Administrative Services Manager

DATE: August 28, 2019

SUBJECT: Request to Amend FY19 Intended Use Plan for Public Comment
Transferring Funds between SRF Programs

Recently, the Water Quality Board and Drinking Water Board (the Boards) have experienced high demand for water infrastructure financing. As Fiscal Year 2020 begins, the Boards have limited revenue streams to support projects in the next five years with loans, principal forgiveness, or hardship grants. As a result, the Division of Water Quality (DWQ) and the Division of Drinking Water (DDW) have been researching innovative methods to finance water infrastructure projects.

One method available to the Boards is the transfer of funds between the Clean Water and Drinking Water SRF programs. The EPA policy was outlined in Federal Register Volume 65, October 2000 (<https://www.govinfo.gov/content/pkg/FR-2000-10-13/html/00-26353.htm>). The policy allows an amount equal to 33% of the DWSRF capitalization grant award to be transferred. In order to reserve authority to transfer funds, the following information must be included in the annual Intended Use Plan (IUP):

- The total amount of authority being reserved for future transfer, including authority from previous years;
- The total amount and type of funds being transferred during the term of the IUP;
- The impact on the current year's Fund; and,
- The long-term impact on the Fund.

The proposed amendment for the FY19 IUP will state:

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.

<i>Award Year</i>	<i>DWSRF Capitalization Grant Award</i>	<i>Reserved Transfer Amount</i>
2019	\$11,004,000	\$3,631,320

For FY19, 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 amendment will reserve the authority to transfer funding to the DWSRF program. However, actual transfers would need to be considered and approved by the Water Quality Board. It is the intent of the Divisions to develop a Memorandum of Understanding to outline the process for actual transfers between the programs.

We are requesting that the Water Quality Board approve the amendment to the FY19 IUP and proceed with a 30-day public comment period.



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James Webb
Dr. James VanDerslice
Dr. Erica Brown Gaddis
Executive Secretary

Project Number: _____

Date Received: _____

Date to be presented to the WQB: _____

July 25, 2019

August 28, 2019

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

APPLICANTS:

Wasatch County Health Department
55 South 500 East
Heber City, Utah 84032
435-657-3252

PRESIDING OFFICIAL

Randall Probst, Health Officer
55 South 500 East
Heber City, Utah 84032
435-657-3263

CONTACTS:

Tracy Richardson, Program Manager

TREASURER:

Brittany Farrell, Business Manager

CONSULTANT:

David Epstein, Water Resources Scientist
SWCA Environmental Consultants
257 East 200 South
Salt Lake City, UT 84111
801-322-4307 ext. 4722

CITY ATTORNEY:

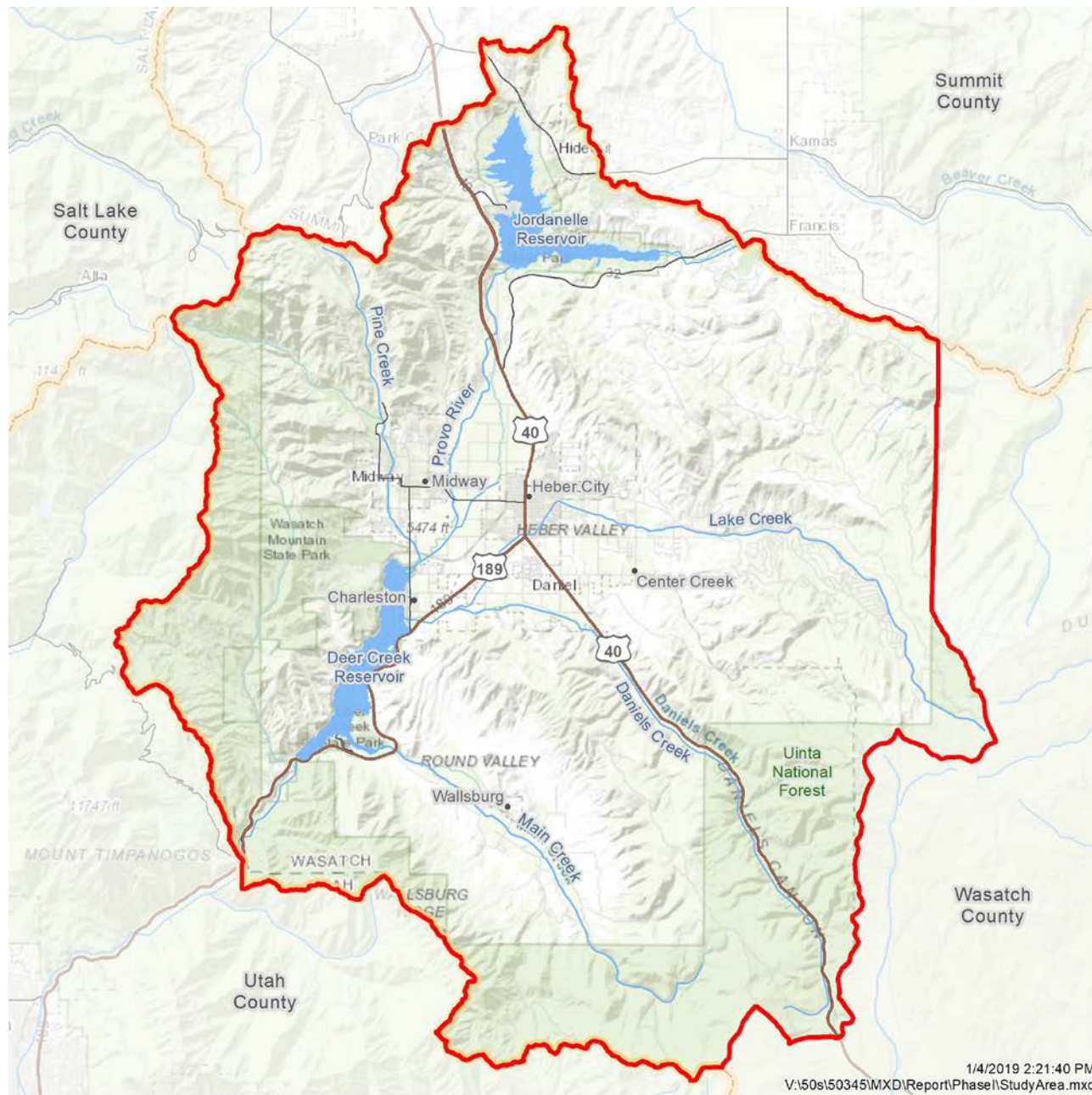
Jon Woodward, Deputy Attorney
805 West 100 South
Heber City, Utah 84032

APPLICANT'S REQUEST:

Wasatch County Health Department requests a **hardship planning grant in the amount of \$100,000** to complete an update their Hydrologic / Water Quality Study from 1994 to assess the impacts of growth and land use transition in Heber and Round Valleys on groundwater quality.

APPLICANT'S LOCATION

Wasatch County, Utah is located in north central Utah approximately 25 miles southeast from Salt Lake City and east of the Wasatch Range. The county location and study area are shown in the figure below.



1/4/2019 2:21:40 PM
 V:\50s\50345\MXD\Report\Phase\StudyArea.mxd

- Study Area
- Stream/River
- Reservoir
- U.S. Highway
- County Boundary
- State Highway
- City/Town



Contains privileged information. Do not release.
 Basemap from Esri ArcGIS Online:
 World Topographic Map,
 accessed January 4, 2019.



BACKGROUND

Wasatch County has a population of approximately 33,240 residents in 13,830 housing units. The population of Wasatch County grew by over 40 percent in the last eight years. Irrigated agriculture is the largest land use in the valley. The median adjusted gross household income (MAGI) for the county was approximately \$49,096 in 2017 as compared with \$45,895 for the state of Utah.

Approximate 11,504 Effective Residential Units (ERUs) were connected to sewer and the Heber Valley Special Services District wastewater treatment plant in 2018. The health department estimates there are 3,600 onsite systems used for wastewater disposal in the county. Groundwater occurs principally in an unconsolidated valley fill aquifer and is relatively shallow, generally less than 100 feet below ground surface. This groundwater is used by private well owners as their primary drinking water source. Springs supply most of the public water systems. The primary outflows from this basin are to agriculture and discharge to Deer Creek Reservoir, which supplies water to Utah and Salt Lake counties and has a long history of water quality impairment from nutrient pollution. Protecting this groundwater from negative impacts such as nitrogen contamination from septic systems, fertilizers, or animal operations is important to ensure a safe drinking water supply for county and downstream users and for attainment of water quality standards in the reservoir and other surface waters.

In the early 1990's, Wasatch County and the Wasatch County Health Department completed hydrologic and water quality studies for the Heber and Round Valleys in the county. A primary focus of the studies was to understand and manage ground water quality as it related to the rapidly growing use of onsite systems in the study area. The results of the study led to the classification of the aquifer as Class 1A (one of the first such classifications in the state), modified zoning and other ordinances that address onsite system use and density, and development of drinking water source protection zones.

The purpose of the current study is to update data and ground water modeling to reassess ground water conditions and quality, accounting for growth and land use transition that has and continues to occur in the study area since the original studies were completed. 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 updated 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 health department retained a consultant in 2018. Phases 1 and 1A have been completed and Phase 2 is in progress.

The study includes the following major tasks and deliverables:

- Phase 1 (complete)
 - Summarize existing study area information
 - Prepare a sample and analysis plan (SAP)
 - Develop a series of GIS-based maps and potential models
- Phase 1A (complete)
 - Conduct initial sampling round
 - Initial development of water budget for east side Heber Valley

- Phase 2 (ongoing)
 - Implement SAP (3 rounds, 30 locations)
 - Data Analysis
 - Modeling and model scenarios
 - Report development
 - Conclusions and recommendations
- Phase 3 (future)
 - Public engagement
 - Distribution of findings
 - Prepare course of action

IMPLEMENTATION SCHEDULE:

Phase 2 of the study will be completed in July 2020 with field investigations being conducted between May 2019 and March 2020. Phase 3 is expected to be completed in 2021.

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 \$382,320. The phased project costs are broken down below.

Phase 1 – Project Development	\$ 67,200
Phase 1a – Water Budget	45,350
Phase 2 – Investigations, Modeling and Reporting	\$ 239,770
Phase 3 – Public Outreach and Planning	\$ 30,000
Total	\$ 382,320

Cost Sharing:

Over the past 3 years, the health department has allocated funds for updating the original ground water study and in 2018 believed sufficient funds had been set aside. The health department received supporting funding from the county and support from the Utah Geological Survey in the form of access to their monitoring database. The health department sought funding support from the Provo River Watershed Council but was unsuccessful. The health department is committed to completing the project but is in need of additional support from the Water Quality Board to do so.

The proposed breakdown for cost sharing is as follows:

Wasatch County Health Department	\$ 251,720
Wasatch County	30,600
Water Quality Board Grant	\$ 100,000
Total	\$ 382,320

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 a pristine aquifer, Deer Creek Reservoir and the large populations that depend on these water sources. 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 was innovative at the time and remains in the forefront as an important example to others in the state faced similar situations of strong economic growth and a need to protect water quality with balanced, science-based solutions for a safe and prosperous Utah.

The health department does not have a steady revenue source, such as sewer fees, that could be pledged in support of a loan. New fees on new onsite system installations could be considered; however, much like impact fees on sewer projects, expected revenues can be unsteady, dictated by the rate of housing starts. For comparison, a loan of \$100,000 with a term of 20 years and an interest rate of 2.5 percent would require an annual repayment of about \$6,400.

This project is being presented as an authorization request to the Water Quality Board. Staff recommends the Board authorize the \$100,000 requested for a hardship planning grant to the Wasatch 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. Wasatch 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.



State of Utah

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Lieutenant Governor

Department of
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L. Scott Baird
Interim Executive Director

DIVISION OF WATER QUALITY
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Dr. Erica Brown Gaddis
Executive Secretary

TO: Water Quality Board

THROUGH: Erica Brown Gaddis, PhD

FROM: Skyler C. Davies, P.E.

DATE: August 28, 2019

SUBJECT: Wellington City Project Schedule Update

On December 3, 2018 the Water Quality Board authorized a construction advance of \$96,600 to Wellington City to complete emergency repairs to a collapsed portion of the sewer main in Highway 6. As part of that authorization the Board included a special condition that was recommended by staff that: "The City must provide a schedule for implementation of the necessary sewerage system improvements identified in the master plan within 6 months of authorization. If milestones provided by the City are not met, the City must repay the advance within 1 year." With its motion the Board specified in the special condition that the City must return to the Board and present its schedule to the Board.

Wellington City has recently completed the emergency repair and is returning to provide the schedule update that the Board requested at authorization. The update is anticipated to include the status of that project as well as their anticipated schedule going forward. They have reevaluated the recommendations that were provided in the previous master plan and have determined that the necessary improvements were not fully identified in that report. Wellington City has identified about \$7.3 million in necessary sewer improvements and repair. The City will be seeking the necessary funding through multiple funding agencies.

DWQ-2019-008112
FILE: WELLINGTON CITY, MUNICIPAL FILE