State of Utah

SPENCER J. COX
Governor

DEIDRE HENDERSON
Lieutenant Governor

Department of
Environmental Quality

Kimberly D. Shelley
Interim Executive Director

DIVISION OF WATER QUALITY
Erica Brown Gaddis, PhD
Director

Utah Water Quality Board Meeting
Via Adobe Connect
https://utdeq.adobeconnect.com/wqb

January 27, 2021
Board Meeting Begins at 8:30 am

AGENDA

Water Quality Board Meeting – Roll Call

A. Electronic Meeting Notice.....Gregg Galecki

B. Minutes:
Approval of Minutes for December 2, 2020 Water Quality Board Meeting .....Gregg Galecki

C. Executive Secretary's Report .....John Mackey

D. Funding Requests:
1. Financial Report .....Emily Cantón
2. Mountain Green Sewer Improvement District Wastewater Treatment Project Introduction .....Skyler Davies
3. Price River Water Improvement District Wastewater Treatment Project Introduction.....Ken Hoffman and Beth Wondimu
4. Payson City Wastewater Treatment Project Introduction.....Beth Wondimu and Andrew Pompeo

E. Other Business
1. Wastewater Operator Certification Council 2021-2024 Appointment Recommendations .....Judy Etherington

F. Public Comment Period

G. Meeting Adjournment

Next Meeting February 24, 2021
8:30 am
Via Adobe Connect
https://utdeq.adobeconnect.com/wqb

DWQ-2021-000436
Revised 1/14/2021
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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I, **Gregg Galecki**, Vice Chair of the **Water Quality Board**, have determined that the **January 27, 2021** meeting of the Water Quality Board will be held electronically without an anchor location.

This determination is based on the following facts:

1. Utah is currently dealing with Covid 19, which has been determined to be a pandemic. Covid 19 is extremely contagious and can be deadly to those who contract it, especially those of advanced age and underlying health conditions.

2. The Agency offices are in Salt Lake County, which is currently in the State's high risk category. This limits the size of public gatherings to fewer than 10 people and requires the wearing of masks and social distancing. People are encouraged to stay in their homes.

3. A vast majority of Agency staff and the members of the Water Quality Board are teleworking to avoid unnecessary contact with others.

4. The Board room is insufficient to allow social distancing and reasonably safe accommodation of the Water Quality Board and the public.

5. The Water Quality Board uses an electronic platform which allows interested parties to view the meeting, hear discussions and provide written comment.

Dated this 14th day of January, 2021.

Gregg A. Galecki
Gregg A. Galecki (Jan 14, 2021 09:15 MST)

Gregg Galecki, Vice Chair
Water Quality Board

DWQ-2021-000426

State of Utah

GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Department of
Environmental Quality

L. Scott Baird
Interim Executive Director

DIVISION OF WATER QUALITY
Erica Brown Gaddis, PhD
Director

MINUTES

UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY
UTAH WATER QUALITY BOARD

Via Adobe Connect

December 2, 2020
8:30 am Work Meeting
9:30 am Board Meeting

UTAH WATER QUALITY BOARD MEMBERS PRESENT

Scott Baird	Mike Luers
Steven Earley	Emily Niehaus
Gregg Galecki	James VanDerslice
Brandon Gordon	James Webb
Jennifer Grant	

DIVISION OF WATER QUALITY STAFF MEMBERS PRESENT

Carl Adams	Ken Hoffman
Chris Bittner	Ben Holcomb
Emily Cantón	Brenda Johnson
Krystol Carfaro	John Mackey
Skyler Davies	Winnie Pan
Judy Etherington	Andrew Pompeo
Erica Gaddis	Jeanne Riley
Jodi Gardberg	Jennifer Robinson
Dan Griffith	Lonnie Shull
Angela Gunderson	Lisa Stevens
Samantha Heusser	Jeff Studenka

OTHERS PRESENT

Chris Otto	EDO
Marian Rice	Salt Lake City Dept of Public Utilities
Dan Hawley	San Juan SSD
Ashley Sumner	San Juan SSD
Mack McDonald	San Juan SSD
Lloyd Wilson	San Juan SSD
Mayor Leifson	Spanish Fork City
Seth Perrins	Spanish Fork City
Chris Thompson	Spanish Fork City

OTHERS PRESENT (Continued)

Corey Pierce	Spanish Fork City
Tom Ward	Spanish Fork City
Jay Olsen	UDAF
Jeff Schmidt	

Ms. Grant called the Board Work Meeting to order at 8:30 AM.

Presentation of Financial Hardship Policy Alternatives or Hardship Criteria – Draft Policy Discussion: Mr. Hoffman and Mr. Davies presented the Board with alternatives that can be accomplished both within the framework of the current rule and those that would require a rule change. In all cases, staff attempted to establish a more systematic approach toward defining hardship eligibility and extent. Staff presented these ideas and sought the Board's direction toward setting an equitable and consistent hardship policy.

Ms. Grant called the Board meeting to order at 9:30 AM and took roll call for the members of the Board and audience.

Ms. Grant read the Electronic Meeting Notice with regards to the Water Quality Board meeting being held electronically, December 2, 2020 without an anchor location.

APPROVAL OF MINUTES OF OCTOBER 28, 2020 WORK MEETING

Motion: Mr. Gordon moved to approve the minutes of the October 28, 2020 Board meeting.

Dr. VanDerslice seconded the motion. The motion passed unanimously.

EXECUTIVE SECRETARY REPORT

National and Regional

- Biden-Harris administration transition.
  - There is currently an interim Regional Administrator at EPA Region 8
- WIFIA applications.
  - Provo City (Aquifer Storage & Recovery)
  - Provo River Water Users (Deer Creek Reservoir)
  - Utah Lake Restoration, LLC (Island Development)

State and Division Issues and Initiatives

- Cox-Henderson administration transition.
  - The administration has identified a number of agency review teams that have been interviewing directors, executive directors, stake holders and partners for all of the State's agencies and they will be making recommendations to administration later this month.
- The Governor's budget is delayed this year due to the transition of administrations.
- SB6004 (June 2020).
  - Dr. Gaddis has prepared a memo to the Administrative Rules Committee regarding all of the various rule making actions ongoing with the Board.
- Open bill file for Above Ground Storage Tanks.

Water Quality Board Upcoming

- Applications received.
  - Mountain Green Improvement District
  - Price River Water Improvement District
  - Payson City
- Water Reuse study is complete.
- Lisbon Valley UIC draft permit.
- COVID wastewater will transition to the Utah Department of Health (UDOH)

Division Management

- Almost all staff are teleworking
- About 10% of staff have contracted COVID and all have recovered.
- Continue to struggle with document management system.
- The Board is invited to holiday virtual awards banquet on December 17 at 12:00 pm.

FUNDING REQUESTS

Financial Report: Ms. Cantón updated the Water Quality Board on the Loan Funds and Hardship Grant Funds as indicated in the packet.

Request for Spanish Fork Authorization: Mr. Davies initially presented the board with a request from Spanish Fork City for a grant in the amount of $3,500,000 to be issued over 7 years in $500,000 annual increments, to enhance the City's credit position in bonding to construct their new $94.1 million plant. After discussions with Water Quality staff and with current balances taken into consideration has modified the request to be a $500,000 grant and a $4,500,000 Loan at 1.12% for 20 years.

Motion: Mr. Luers moved to approve the staff recommendation that the Board authorize a grant of $500,000 from the Utah Hardship Grant Fund and a loan of $4,500,000 from the Utah Wastewater Loan Fund at 1.12% for 20 years with an allowance for graduated payments with the following special conditions:

1. **The Applicant must agree to participate annually in the Municipal wastewater Planning Program (MWPP).**
2. **As part of the facility planning, the Applicant must complete a Water Conservation and Management Plan.**
3. **The Applicant must construct the project as proposed on the greenfield site to support future regional service.**
4. **The Applicant must construct a treatment system consisting of biological nutrient reduction and a membrane bioreactor.**
5. **The Applicant must pursue and retain remaining funding necessary to fully implement the project.**

Mr. Galecki seconded the motion. The motion passed unanimously with Mr. Gordon recusing himself.

Request for San Juan Spanish Valley SSD Authorization: Mr. Hoffman presented a request to the Water Quality Board for authorization of supplemental funding in the amount of $360,000 needed in order to complete the collection system project.

Motion: **Mr. Galecki moved to approve the staff recommendation to authorize an additional $360,000 in loan at 0% interest for a 30-year term.**

Mr. Gordon seconded the motion. The motion passed unanimously with Ms. Niehaus recusing herself.

RULE MAKING

Request to Initiate Rule Making for R317-8-3, R317-8-4 and R317-8-11, Storm Water Discharges: Ms. Stevens requested to initiate rulemaking for revisions to the Utah storm water discharge rules in Part R317-8.

Motion: **Mr. Luers moved to initiate the change to R317-8-3, R317-8-4 and R317-8-11.**

Mr. Earley seconded the motion. The motion passed unanimously.

Request to Adopt Amendments of R317-2, Standards of Quality for Waters of the State: Mr. Bittner requested that the Water Quality Board adopt the amendments as proposed in the September 15, 2020 Bulletin as a Board Order effective immediately.

Motion: **Mr. Gordon moved to initiate the change to R317-2.**

Mr. Webb seconded the motion. The motion passed unanimously.

PUBLIC COMMENTS

No public comments.

MEETING ADJOURNMENT

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

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

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

Next Meeting – January 27, 2021 at 8:30 am
Via Adobe Connect
https://utdeq.adobeconnect.com/wqb/

Gregg Galecki, Vice Chair
Utah Water Quality Board

LOAN FUNDS FINANCIAL STATUS REPORT JANUARY 2021

STATE REVOLVING FUND (SRF)	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						
Capitalization Grants Awards (FFY18 - 20)	24,758,000	-	-	-	-	-
State Match (FFY18 - 20)	4,884,401	-	-	-	-	-
Future Capitalization Grants (estimated)	8,358,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000
Future State Match (estimated)	1,671,600	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000
SRF - 2nd Round	54,694,588	52,437,239	17,435,219	5,191,802	7,440,592	15,029,784
Interest Earnings at 0.5534%	151,340	290,188	96,486	28,731	41,176	83,175
Loan Repayments (5255)	7,139,605	17,243,792	16,240,097	16,349,059	15,948,015	15,904,662
Total Funds Available	101,657,534	79,571,219	43,371,802	31,169,592	33,029,784	40,617,621
Project Obligations						
Central Valley Water Reclamation Facility	(28,324,000)	(24,976,000)	(6,800,000)	-	-	-
Duchesne City	(27,295)	-	-	-	-	-
Moab City	(80,000)	-	-	-	-	-
Provo City	(17,230,000)	(28,000,000)	(20,000,000)	(8,800,000)	-	-
Salem City	(69,000)	-	-	-	-	-
South Salt Lake City (A)	(1,130,000)	(2,160,000)	(234,000)	-	-	-
Loan Authorizations						
Millville City	(2,000,000)	-	-	-	-	-
San Juan Spanish Valley SSD	(360,000)	-	-	-	-	-
South Davis Sewer District (with NPS)	-	(7,000,000)	(7,146,000)	-	-	-
Planned Projects						
*Mountain Green		-	(2,000,000)	(5,929,000)	(6,000,000)	-
*Payson City			(2,000,000)	(9,000,000)	(12,000,000)	
Total Obligations	(49,220,295)	(62,136,000)	(38,180,000)	(23,729,000)	(18,000,000)	-
SRF Unobligated Funds	$ 52,437,239	$ 17,435,219	$ 5,191,802	$ 7,440,592	$ 15,029,784	$ 40,617,621

UTAH WASTEWATER LOAN FUND (UWLF)	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						
UWLF	22,120,891	12,323,352	13,501,458	10,156,246	13,073,337	16,330,871
Sales Tax Revenue	-	3,587,500	3,587,500	3,587,500	3,587,500	3,587,500
Loan Repayments (5260)	1,436,162	3,031,806	2,582,488	2,565,791	2,906,235	2,759,353
Total Funds Available	23,557,053	18,942,658	19,671,446	16,309,537	19,567,071	22,677,725
General Obligations						
State Match Transfers	(6,556,001)	(1,600,000)	(1,600,000)	(1,600,000)	(1,600,000)	(1,600,000)
DWQ Administrative Expenses	(820,700)	(1,636,200)	(1,636,200)	(1,636,200)	(1,636,200)	(1,636,200)
Project Obligations						
Kane Co Water Conservancy Dist (Duck Creek)	(400,000)					
South Salt Lake City (B)	(1,857,000)	(2,205,000)	(1,779,000)	-	-	-
Loan Authorizations						
Spanish Fork		-	(4,500,000)	-	-	-
Planned Projects						

*WQB Agenda Items

LOAN FUNDS FINANCIAL STATUS REPORT JANUARY 2021

*Price City	(1,600,000)	-	-	-	-	-
Total Obligations	(11,233,701)	(5,441,200)	(9,515,200)	(3,236,200)	(3,236,200)	(3,236,200)
UWLF Unobligated Funds	$ 12,323,352	$ 13,501,458	$ 10,156,246	$ 13,073,337	$ 16,330,871	$ 19,441,525
Total Loan Fund Balance	64,760,591	30,936,677	15,348,048	20,513,929	31,360,655	60,059,145
Project Reserve	-	(5,000,000)	(10,000,000)	(15,000,000)	(20,000,000)	(25,000,000)
Total Available Loan Funds	**64,760,591**	**25,936,677**	**5,348,048**	**5,513,929**	**11,360,655**	**35,059,145**

*WQB Agenda Items

HARDSHIP GRANT FUNDS FINANCIAL STATUS REPORT JANUARY 2021

HARDSHIP GRANT FUNDS (HGF)	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		679,115	614,319	429,597	365,741	207,372
Federal HGF Beginning Balance (5250)	6,144,469	-	-	-	-	-
State HGF Beginning Balance (5265)	2,161,110	-	-	-	-	-
Interest Earnings at 0.5534%	22,982	3,758	3,400	2,377	2,024	1,148
UWLF Interest Earnings at 0.5534%	61,209	68,197	74,717	56,205	72,348	90,375
Hardship Grant Assessments (5255)	526,661	740,214	641,688	560,370	477,839	396,397
Interest Payments - 5260	141,677	373,034	345,473	317,191	289,421	261,668
Advance Repayments	962,500	-	-	-	-	-
Total Funds Available	10,020,608	1,864,319	1,679,597	1,365,741	1,207,372	956,960
Financial Assistance Project Obligations						
Eagle Mountain City - Construction Grant	(510,000)	-	-	-	-	-
Emigration Sewer Imp Dist - Planning Grant	(26,158)	-	-	-	-	-
Kane Co Water Conservancy Dist (Duck Creek) - Hardship Grant	(3,997,000)	-	-	-	-	-
Lewiston City - Design and Construction	(314,000)	-	-	-	-	-
Millville City - Design and Construction	(1,500,000)	-				
Salina City - Planning Grant/Advance	(99,500)					
*Spanish Fork - Hardship Grant	-	(250,000)	(250,000)	-	-	-
Wasatch Co. Study	(47,341)	-	-	-	-	-
Non-Point Source/Hardship Grant Obligations						
Fitzgerald ARDL interest-rate buy down	(51,056)	-	-	-	-	-
McKees ARDL interest-rate buy down	(55,261)	-	-	-	-	-
Munk Dairy ARDL interest-rate buy down	(16,017)	-	-	-	-	-
(FY11) Gunnison Irrigation - Twelve Mile Canyon	-					
(FY13) DEQ-Great Salt Lake Advisory Council	-					
(FY12) Utah Department of Agriculture	(288,442)	-	-	-	-	-
(FY15) DEQ - Ammonia Criteria Study	(27,242)	-	-	-	-	-
(FY15) DEQ - Nitrogen Transformation Study	(14,500)	-	-	-	-	-
(FY17) DEQ - Ground Water Quality Study	-					
(FY17) DEQ - Utah Lake Water Quality Study	(348,301)	-	-	-	-	-
BYU - Bioassays to Investigate Nutrient Limitation	(10,077)	-	-	-	-	-
USU - Historic Trophic State/Nutrient Concentrations Paleo	(130,697)	-	-	-	-	-
FY 2015 - Remaining Payments	(4,223)	-	-	-	-	-
FY 2016 - Remaining Payments	(2,386)	-	-	-	-	-
FY 2018 - Remaining Payments	(126,209)	-	-	-	-	-
FY 2019 - Remaining Payments	(470,710)	-	-	-	-	-
FY 2020 - Remaining Payments	(511,766)	-	-	-	-	-
FY 2021 - Remaining Payments	(790,608)					
Future NPS Annual Allocations		(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)
Planned Projects						
None at this time						
Total Obligations	(9,341,492)	(1,250,000)	(1,250,000)	(1,000,000)	(1,000,000)	(1,000,000)
HGF Unobligated Funds	$ 679,115	$ 614,319	$ 429,597	$ 365,741	$ 207,372	$ (43,040)

*WQB Agenda Items

State of Utah
Wastewater Project Assistance Program
Project Priority List

As of January 7, 2021

Rank	Project Name	Funding Authorized	Total Points	Point Categories			
				Project Need	Potential Improvement	Population Affected	Special Consideration
1	South Davis Sewer District	x	138	50	18	10	60
2	Payson		120	35	17	8	60
3	Spanish Fork Water Reclamation Facility	x	117	50	19	8	40
4	Millville City	x	114	45	46	3	20
5	Price		112	35	10	7	60
6	Fairview City		107	50	15	2	40
7	San Juan Spanish Valley SSD	x	86	25	0	1	60
8	Wellington City	x	74	10	21	3	40
9	Mountain Green		68	10	14	4	40
10	Lewiston City	x	67	10	16	1	40

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DIVISION OF WATER QUALITY
Erica Brown Gaddis, PhD
Director

Date Received: December 1, 2020
Date to be presented to the WQB: January 27, 2021

WATER QUALITY BOARD
FEASIBILITY REPORT FOR WASTEWATER TREATMENT PROJECT

INTRODUCTION

APPLICANT:	Mountain Green Sewer Improvement District (MGSID) 5455 West Old Hwy Road Mountain Green, UT 84050
PRESIDING OFFICIAL:	Larry Nance – Board Chairman
CONTACT PERSON:	Kent Wilkerson, P.E. -District Manager
TREASURER/RECORDER:	James Bouderuo -Office Administrator
CONSULTING ENGINEER:	Michael McFadden, P.E. Sunrise Engineers, Inc. 5875 South 900 East Midvale, UT 84047 Telephone: (801) 547-0393
BOND COUNSEL:	TBD
FINANCIAL ADVISOR:	TBD

APPLICANT'S REQUEST:

Mountain Green Sewer Improvement District (MGSID) is requesting funding assistance in the amount of $13,429,000. The MGSID will supply the other $500,000 necessary to complete the project. The MGSID would appreciate any assistance through low interest loan that they can receive from the Board to help fund the project.

APPLICANT'S LOCATION:

Mountain Green is located in Morgan County, approximately 40 miles North of Salt Lake City.

FIGURE 1-MAP OF APPLICANT'S LOCATION

BACKGROUND:

Mountain Green is an unincorporated community located in northern Morgan County, Utah. It encompasses an area of 5.4 square miles, and is estimated to have about 3,730 residents.

In 1976, Morgan County created the Mountain Green Sewer Improvement District (MGSID) to establish sanitary regulations because individual septic systems began failing due to less than ideal soils. Many residents were resistant to construction of a sewer system because their own systems were perceived to be working just fine, and it wasn't until 1989 that construction was able to begin. The wastewater treatment facility for MGSID is a conventional lagoon system. In 2007, the lagoon system was expanded to double its capacity to 0.61 million gallons per day (MGD).

PROJECT NEED:

MGSID expects continued growth and seeks to expand the sewer system further for additional regionalization. On August 13, 2018, as required by the Technology-based Limits for Controlling Phosphorus Pollution rule the DWQ Director set a phosphorus loading cap (cap) of 4,463 lbs/yr for the MGSID lagoon discharge. Based on available data, MGSID likely exceeded the loading cap in 2020. Once the cap has been exceeded, MGSID will have five years to construct treatment processes or implement treatment alternatives to prevent the total phosphorus loading cap from being exceeded or comply with a TBPEL of 1.0 mg/L. As MGSID anticipated to exceed their cap in 2020 or 2021, MGSID was being proactive in beginning the design and construction of a treatment facility that will be capable of meeting the TBPEL.

APPLICANT'S ALTERNATIVES EVALUATE:

MGSID retained Sunrise Engineering, Inc. to prepare an Impact fee Facilities Plan to determine appropriate Impact fees and to determine the most feasible treatment plant upgrades. A retrofit option and several other mechanical options were evaluated. The alternatives considered were:

- Mechanical Biological Nutrient Removal (BNR) System-Earthen Basin Based
- Membrane Bio-Reactor (MBR)
- Sequencing Batch Reactor (SBR)
- Extended Aeration System

PROJECT DESCRIPTION:

Based on their alternative's analysis, Sunrise Engineering, Inc. recommends upgrading the existing lagoon treatment plant facility with BNR technology. This alternative will allow them to achieve phosphorus reductions in the effluent for the lowest initial cost and the lowest ongoing maintenance cost.

POSITION ON PROJECT PRIORITY LIST:

This project is ranked 9th of 10 projects on the Wastewater Treatment Project Priority List.

POPULATION GROWTH:

MGSID has experienced continued growth. Growing from 2,309 in 2010 to 3,732 in 2020. They anticipate to reach a population of 4,079 by 2022.

PUBLIC PARTICIPATION AND DEMONSTRATION OF PUBLIC SUPPORT:

This project has been discussed at two public MGSID meetings in August and September of 2020. Additionally, MGSID has engaged with 15 stakeholders individually, including public and private entities in and around MGSID. No significant opposition was demonstrated at the public meetings.

IMPLEMENTATION SCHEDULE:

Apply to WQB for Funding:	December 2020
WQB Introduction	January 2021
WQB Funding Authorization:	March 2021
Begin Construction	2022
Complete Construction	2023

APPLICANT'S CURRENT USER CHARGE:

MGSID Currently charges $50 month per ERU. According to the Utah Water Quality Board's criteria of 1.4% of MAGI ($112,800 for MGSID), a rate of $131.60 per month for wastewater service should be exceeded for grant consideration. This project would not place MGSID into a grant consideration even if the entire project were financed at current market rates. A preliminary static cost model is included as Attachment 1.

COST ESTIMATE:

The total cost of this project is estimated to be $13,929,000 of which MGSID is requesting $13,429,000 in loan from the Water Quality Board. A breakdown of these costs follows:

Item	Project Costs
Admin/Legal/Bonding	$ 75,000
Engineering - Planning and Special	$ 215,000
Engineering - Design	$ 856,000
Engineering - CMS	$ 936,000
Construction	$ 9,647,000
Contingency (approx. 20% const. cost)	$ 1,915,710
Interim Financing &Permitting	$ 150,000
Loan Origination Fee	$ 134,290
Total Project Cost:	**$ 13,929,000**

COST SHARING:

MGSID is proposing the following cost sharing for the identified project. MGSID intends to fund the portion not funded by the Water Quality Board utilizing Market Loans, Other Funding Agencies and local contribution.

Funding Source	Cost Sharing	Percent of Project
Spanish Fork Local Contribution	$500,000	3.6%
WQB Loan	$ 13,429,000	96.4%
Total	$13,929,000	100%

STAFF COMMENTS:

This is a project introduction, and staff recommendations will be provided at the request for funding authorization. Staff believes that this is an important project. MGSID has been diligent in keeping out of debt and saving toward the cost of this project. The MGSID has tried to do their due diligence to minimize the impact of the plant upgrade on its citizens. This funding would provide a high impact per capita for the investment of Water Quality Board funding, as a relatively small amount of funding would lower the cost to the residents of MGSID significantly.

ATTACHMENT 1 - STATIC COST MODEL

Mountain Green Sewer Improvement District

Wastewater Treatment - Nutrient Upgrade Project

Project Costs		
Admin/Legal/Bonding	$	75,000
Engineering - Planning and Special	$	215,000
Engineering - Design	$	856,000
Engineering - CMS	$	936,000
Construction	$	9,647,000
Contingency (approx. 20% const. cost)	$	1,915,710
Imterim Financing &Permitting	$	150,000
Loan Origination Fee	$	134,290
Total Project Cost:	**$**	**13,929,000**

Current Customer Base & User Charges	
Initial Total Customer (ERU's)	1,189
MAGI for MGSID (2018):	$112,800
Affordable Monthly Rate at 1.4%	$131.60
Current Impact Fee (per ERU):	$5,685.20
Current Monthly Fee (per ERU)	$50.00

Project Funding		
Local Contribution	$	500,000
WQB	$	13,429,000
Total Project Cost:	**$**	**13,929,000**

Loan Repayment Term:	20
Reserve Funding Period:	6
New Annual O&M expensive	$358,000
Existing Debt	$0

ESTIMATED COST OF SEWER SERVICE

WQB Loan Amount	WQB Loan Interest Rate	New WQB Debt Service	WQB Loan Reserve	Annual Sewer O&M Cost	Existing Debt Service	Total Annual Sewer Cost	Monthly Sewer Cost/ERU	Sewer Cost as a % of MAGI
13,429,000	0.00%	671,450	167,863	358,000	-	1,197,313	83.92	0.89%
13,429,000	0.50%	707,258	176,814	358,000	-	1,242,072	87.05	0.93%
13,429,000	1.00%	744,172	186,043	358,000	-	1,288,215	90.29	0.96%
13,429,000	1.50%	782,182	195,545	358,000	-	1,335,727	93.62	1.00%
13,429,000	2.00%	821,274	205,318	358,000	-	1,384,592	97.04	1.03%
13,429,000	2.50%	861,432	215,358	358,000	-	1,434,790	100.56	1.07%
13,429,000	3.00%	902,640	225,660	358,000	-	1,486,300	104.17	1.11%

ATTACHMENT 2 - STATIC COST MODEL FUNDING SMALLER LOAN OPTIONS

Mountain Green Sewer Improvement District

Wastewater Treatment - Nutrient Upgrade Project

Project Costs		
Admin/Legal/Bonding	$	75,000
Engineering - Planning and Special	$	215,000
Engineering - Design	$	856,000
Engineering - CMS	$	936,000
Construction	$	9,647,000
Contingency (approx. 20% const. cost)	$	1,915,710
Imterim Financing &Permitting	$	150,000
Loan Origination Fee	$	134,290
Total Project Cost:	**$**	**13,929,000**

Project Funding		
Local Contribution	$	500,000
WQB	$	13,429,000
Total Project Cost:	**$**	**13,929,000**

Current Customer Base & User Charges	
Initial Total Customer (ERU's)	1,189
MAGI for MGSID (2018):	$112,800
Affordable Monthly Rate at 1.4%	$131.60
Current Impact Fee (per ERU):	$5,685.20
Current Monthly Fee (per ERU)	$50.00

Loan Repayment Term:	20
Reserve Funding Period:	6
New Annual O&M expensive	$358,000
Existing Debt	$0

ESTIMATED COST OF SEWER SERVICE

WQB Loan Amount	WQB Loan Interest Rate	New WQB Debt Service	WQB Loan Reserve	Market Loan Amount	Market Loan Interest Rate	New Market Debt Service	Set Asside to Maintain 1.25 DSCR	Annual Sewer O&M Cost	Total Annual Sewer Cost	Monthly Sewer Cost/ERU	Sewer Cost as a % of MAGI
13,429,000	1.00%	744,172	186,043	0	3.00%	0	0	358,000	1,288,215	90.29	0.96%
13,429,000	1.50%	782,182	195,545	0	3.00%	0	0	358,000	1,335,727	93.62	1.00%
13,429,000	2.00%	821,274	205,318	0	3.00%	0	0	358,000	1,384,592	97.04	1.03%
10,000,000	1.50%	582,457	145,614	3,429,000	3.00%	230,483	57,621	358,000	1,374,175	96.31	1.02%
6,715,000	1.50%	391,120	97,780	6,714,000	3.00%	451,286	112,822	358,000	1,411,008	98.89	1.05%
5,000,000	1.50%	291,229	72,807	8,429,000	3.00%	566,561	141,640	358,000	1,430,237	100.24	1.07%
2,500,000	1.50%	145,614	36,404	10,929,000	3.00%	734,600	183,650	358,000	1,458,269	102.21	1.09%
1,500,000	1.50%	87,369	21,842	11,929,000	3.00%	801,816	200,454	358,000	1,469,481	102.99	1.10%
1,000,000	1.50%	58,246	14,561	12,429,000	3.00%	835,424	208,856	358,000	1,475,087	103.38	1.10%
0	1.50%	0	0	13,429,000	3.00%	902,640	225,660	358,000	1,486,300	104.17	1.11%

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Department of
Environmental Quality

Kimberly D. Shelley
Interim Executive Director

DIVISION OF WATER QUALITY
Erica Brown Gaddis, PhD
Director

Date Received: October 13, 16, 2020
Date to be presented to the WQB: January 27, 2021

WATER QUALITY BOARD
FEASIBILTY REPORT FOR WASTEWATER TREATMENT PROJECT
INTRODUCTION

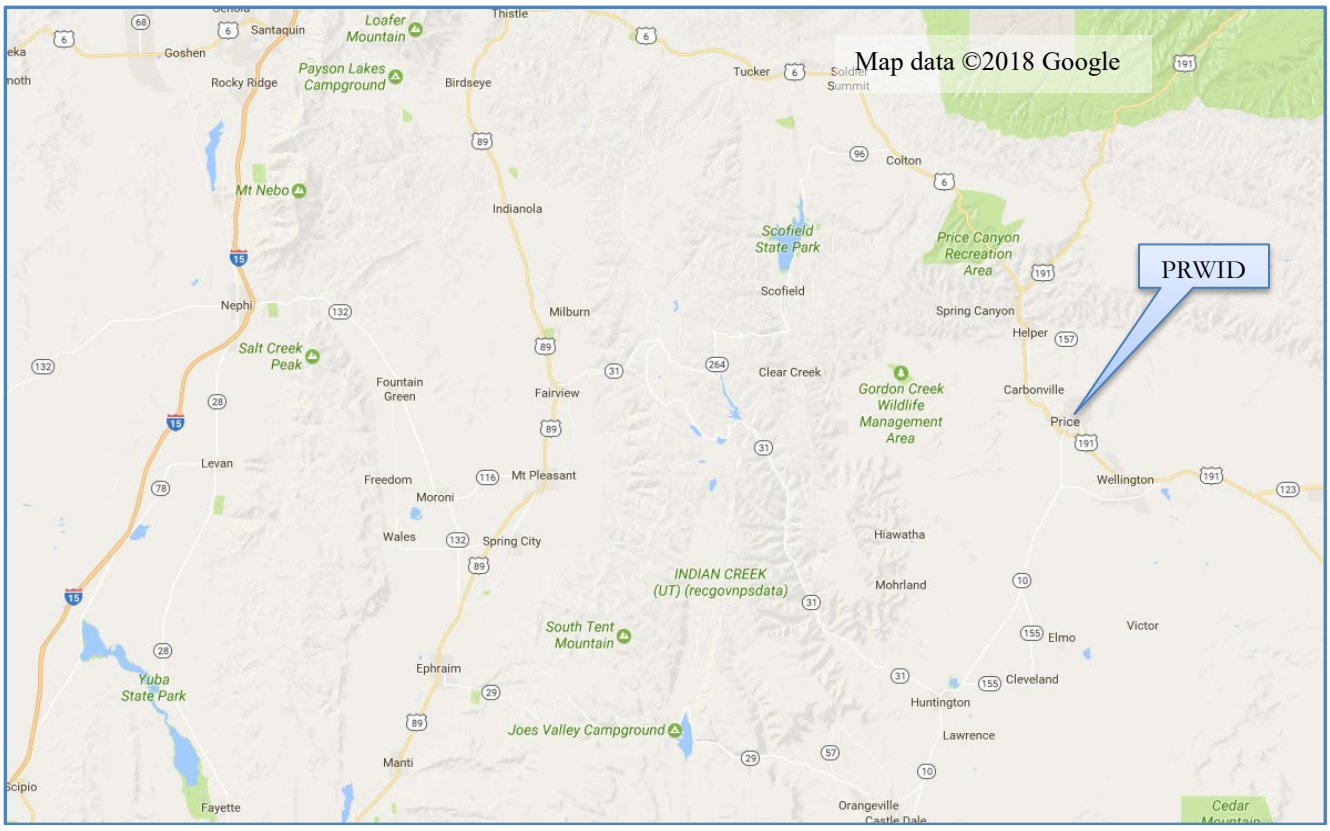
APPLICANT:	Price River Water Improvement District PO Box 903 Price, Utah 84501 Telephone: 435-637-6351
PRESIDING OFFICIAL	Keith W. Cox – Chairman, Board of Trustee PO Box 903 Price, Utah 84501 Telephone: 435-637-6351
CONTACT:	Jeffrey R. Richens, District Manager PO Box 903 Price, Utah 84501 Telephone: 435-637-6351
TREASURER:	Micha Marrell
CONSULTING ENGINEER:	Cory Christiansen, Water Works Engineers 1955 West Grover Parkway, Ste 101 Pleasant Grove, UT 84062 801-785-5600
BOND COUNSEL:	Olsen & Chamberlain Law 225 North 100 East Richfield, Utah 84701 801-844-7380
FINANCIAL ADVISOR	Alex Buxton, Financial Advisor Zion Bank Public Finance One South Main, 18th Floor Salk Lake City, Utah 84111 801-844-7380

APPLICANT'S REQUEST

Price River Water Improvement District (PRWID) is requesting funding from the Water Quality Board in the amount **$1,600,000** for the modification of their water reclamation facility to bring it into compliance with the Technology Based Effluent Phosphorus Limit (TBPEL) that went into effect January 1, 2020, they are currently operating under a due diligence variance that was authorized to give them time to complete the necessary upgrades.

APPLICANT'S LOCATION

The City of Price is located in Carbon County, Utah approximately 120 miles south east of Salt Lake City.



PROJECT BACKGROUND

The PRWID serves the major incorporated areas of Carbon County including the cities of Helper, Price, and Wellington. PRWID provides sewer service to approximately population of 18,515 or 7,117 equivalent residential connections and delivers wastewater to the PRWID WWTP for treatment and disposal. Construction of the WWTP was originally completed in 1970 and currently is permitted for a monthly average discharge of 2.2 mgd. The current plant consists of a headwork, two rectangular primary clarifiers, one trickling filter, two activated sludge tanks, two circular secondary clarifiers, chlorine gas-based disinfection, and sulfur dioxide gas-based dechlorinating. Solids from primary and secondary clarification are anaerobically digested, stored in facultative

sludge basins, and then land applied.

PROJECT NEED

The existing wastewater treatment plant will not meet future and anticipated regulatory requirements for nutrients. The Technology Based Phosphorus Effluent Limit (TBPEL) of 1 mg/L effective on January 1, 2020 is the most pressing of these regulatory requirements. A variance granted to PRWID by the Department of Water Quality (DWQ) allows the WWTP to discharge phosphorus at a maximum of 3.9 mg/L from January 1, 2020 until January 1, 2023. During this time, PRWID will upgrade its WWTP to meet the TBPEL.

The proposed nutrient upgrade project will incorporate modification of the existing facility, retirement of outdated facilities, repairs, upgrades, and refurbishments necessary to reduce pollutants in the wastewater to meet future and anticipated regulatory limits.

PROJECT DESCRIPTION

The PRWID is proposing to construct an Enhanced Biological Phosphorus Removal using A/O Process treatment facility upgrade. The PRWID proposes the following items:

- Install a new chemical phosphorus removal facility in the decommissioned trickling filter.
- Add new coarse mechanical screen to provide full redundancy for existing coarse mechanical screen unit.
- Replace digester mixing draft tubes within existing anaerobic digesters.
- Install a new ultrasonic flow measurement device at outfall location.
- Replace existing surface aerator used at the Facultative Sludge Basins with a new unit.
- Secondary clarifier overflow weir and drive replacements

ALTERNATIVES EVALUATED

The Facilities Plan dated September 2020 evaluated the following alternatives:

- Alternative 1, No Action
- Alternative 2, Chemical phosphorus removal and minor improvement Repairs with no dike
- Alternative 3, Biological phosphorous removal with chemical polishing and minor improvement (preferred alternative).

The recommended alternative is Alterative 3 which is to construct a biological phosphorus removal with chemical polishing and minor improvement

POSITION ON PROJECT PRIORITY LIST

PRWID is currently ranked No. 5 of 10 on Wastewater Treatment Project Priority List (PPL).

POPULATION

The PRWID service area population projections are based on the 2012 Utah Governor's Office of Management and Budget (OMB) Municipal.

Population in 2020:	18,515
Population in 2040:	19,965

POPULATION GROWTH:

	Year	ERU
Current	2020	7,117
Design	2040	7,576

[1]The average population growth through the year 2040 is estimated to be 2% area based on 2.6 persons per household (2009–2013) from US Census Bureau State and County Quick Facts for Carbon County, Utah.

PUBLIC PARTICIPATION AND DEMONSTRATION OF PUBLIC SUPPORT:

The PRWID held a public meeting on May 29, 2020 and July 3, 2020, as required by the Utah Wastewater State Revolving Fund (SRF) program. The local newspaper and posted online for all residents on May 29, 2020 prior to the June 2, 2020 public meeting notifications. A notice of public hearing was advertised online and in print through the local newspaper seven days before the public hearing was held to meet the requirement for such notification. The District will hold a final public hearing once funding is secured.

IMPLEMENTATION SCHEDULE

Public Meeting	June 2020
Apply to WQB for Funding:	September 2020
WQB Funding Authorization:	March 2021
Public Hearing:	February 2021
Sublimit Information for Categorical Exclusion :	September 2020
Sublimit Information for Engineering Report Approval:	September 2020
Commence Design:	June 2020
Issue Construction Permit:	March 2021
Advertise for Bids:	April 2021
Bid Opening:	April 2021
Loan Closing:	April 2021
Commence Construction:	May 2021
Complete Construction:	January 2023

APPLICANT'S CURRENT USER CHARGE

Currently, PRWID charges approximately $32 per month per ERU. According to the Utah Water Quality Board's criteria of 1.4% of MAGI ($42,700 for Price), a rate of $49.82 per month for wastewater service should be exceeded for grant consideration. The impact fee is $1,250 and the

hookup fee is $300. A cost model for the proposed project is Attachment 1. The cost model shows that the funding request is affordable.

COST ESTIMATE

Legal/Admin/Bonding	$ 25,000
Construction	$ 2,184,000
Contingency	$ 575,000
Engineering-Planning, Design	$ 205,000
Engineering-CMS	$ 190,000
Planning	$ 15,000
DWQ Loan Origination Fee	$ 16,000
Total Capital Cost	$ 3,200,000

COST SHARING

The total cost of the project is $3,200,000. The PRWID has requested the Permanent Community Impact Board (PCIB) fund half of the total cost in the amount of $1,600,000 for this project. This request presented in CIB's meeting on January 7, 2021. In this meeting, CIB recommended a loan in the amount of $1,600,000 at an interest rate of 1% repayment over 20 years and is conditional on additional funding from the Water Quality Board. The following cost sharing is proposed for the project:

Funding Source	Cost Sharing	Percent of Project
Local Contribution	$0	0%
PCIB Funding	$1,600,000	50%
WQB Funding	$1,600,000	50%
Total Amount:	$3,200,000	100%

ESTIMATED ANNUAL COST FOR SEWER SERVICE

The applicant proposed funding is shown below: *($1,600,000 loan at an interest rate of 1.0% repayable over 20 years)*

Operation & Maintenance - Annual	$1,600,000
WQB Debt Service (1.0%; 20 yrs)	$86,665
WQB Required Reserves (1½ pmt/10 yr)	$22,166
Existing Sewer Debt Service	$286,00
New Annual CIB Debt Service	$88,666
Total Annual Cost	$2,099,466
Monthly Cost / ERU	$21.84
Cost calculated as % of MAGI - Price ($42,700)	0.61%
WQB Affordable Rate 1.4% MAGI- Price ($42,700)	$49.82

STAFF COMMENTS

This is a project introduction, and staff recommendations will be provided at the request for funding authorization. Staff believes that this is an important project.

This project will allow PRWID to maintain compliance with Division of Water Quality discharge requirements, specifically it will make it possible for the plant to reduce the phosphorus that is discharged from the treatment facility and bring them into compliance with the Technology Based Phosphorus Effluent Limit (TBPEL) of 1.0 mg/L.

ATTACHMENT 1 - STATIC COST MODEL
Price River Water Improvement District
Wastewater Treatment - Nutrient Upgrade Projct with TBPEL compliance

Project Costs		
Admin/Legal/Bonding	$	25,000
Engineering - Planning and Special	$	50,000
Engineering - Design	$	160,000
Engineering - CMS	$	190,000
Construction	$	2,184,000
Contingency (approx. % const. cost)	$	575,000
Loan Origination Fee	$	16,000.00
Total Project Cost:	**$**	**3,200,000**

Current Customer Base & User Charges	
Initial Total Customer (ERU's)	7,117
MAGI for Price (2018):	$42,700
Affordable Monthly Rate at 1.4%	$49.82
Current Impact Fee (per ERU):	$1,250.00
Current Monthly Fee (per ERU)	$32.00

Project Funding		
WQB	$	1,600,000
CIB loan with 2.5% interest	$	1,600,000
Total Project Cost:	**$**	**3,200,000**

Loan Repayment Term:	20
Reserve Funding Period:	6
New Annual O&M expensive	$1,600,000
Existing Debt	$286,000

ESTIMATED COST OF SEWER SERVICE

WQB Grant Amount	WQB Loan Amount	WQB Loan Interest Rate	WQB Loan Debt Service	WQB Loan Reserve	WQB Loan Amount	New CIB Debt Service	Annual Sewer O&M Cost	Existing Debt Service	Total Annual Sewer Cost	Monthly Sewer Cost/ERU	Sewer Cost as a % of MAGI
0	1,600,000	0.00%	80,000	20,000	1,600,000	102,635	1,600,000	286,000	2,088,635	24.46	0.69%
0	1,600,000	1.00%	88,665	22,166	1,600,000	102,635	1,600,000	286,000	2,099,466	24.58	0.69%
0	1,600,000	1.50%	93,193	23,298	1,600,000	102,635	1,600,000	286,000	2,105,127	24.65	0.69%
0	1,600,000	2.00%	97,851	24,463	1,600,000	102,635	1,600,000	286,000	2,110,949	24.72	0.69%
0	1,600,000	2.50%	102,635	25,659	1,600,000	102,635	1,600,000	286,000	2,116,930	24.79	0.70%
0	1,600,000	3.00%	107,545	26,886	1,600,000	102,635	1,600,000	286,000	2,123,067	24.86	0.70%
0	1,600,000	4.00%	117,731	29,433	1,600,000	102,635	1,600,000	286,000	2,135,799	25.01	0.70%

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Department of
Environmental Quality

Kimberly D. Shelley
Interim Executive Director

DIVISION OF WATER QUALITY
Erica Brown Gaddis, PhD
Director

Date Received: December 1, 2020
Date to be presented to the WQB: January 27, 2021

WATER QUALITY BOARD
FEASIBILTY REPORT FOR WASTEWATER TREATMENT PROJECT
INTRODUCTION

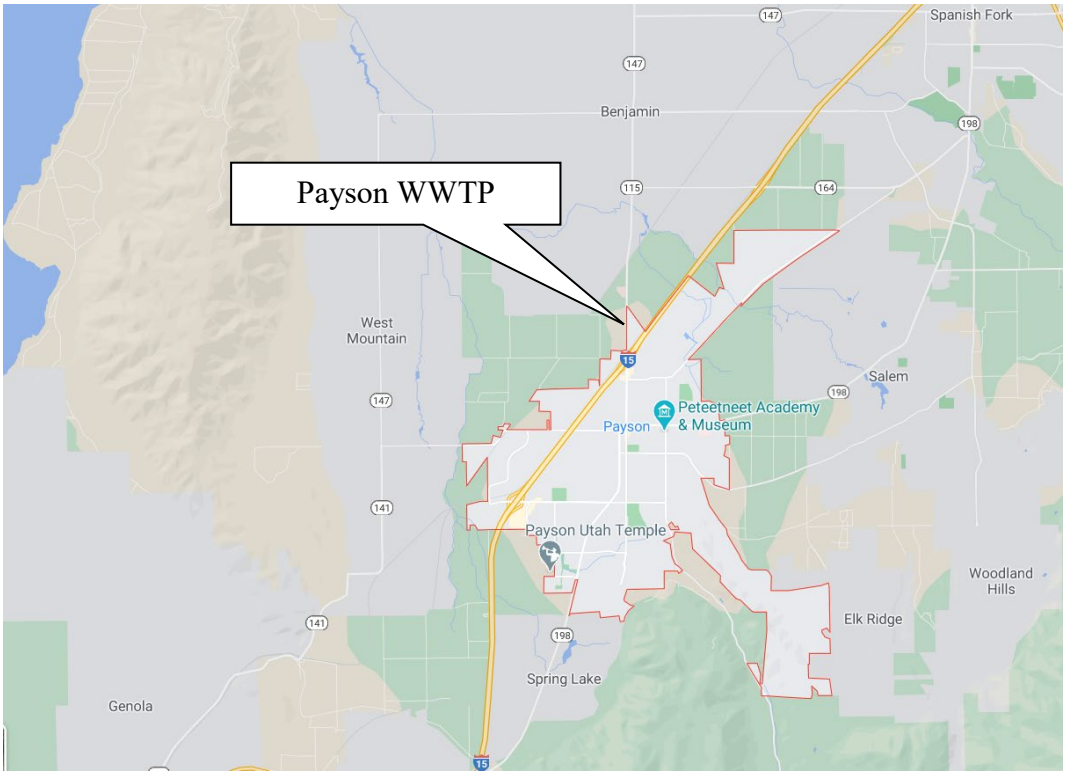
APPLICANT:	Payson City 439 West Utah Ave Payson, Utah 84651 Telephone: 801-465-5200
PRESIDING OFFICIAL	Mayor Bill Wright 439 West Utah Ave Payson, Utah 84651 Telephone: 801-465-5200
CONTACT:	Dave Tuckett, City Manager 439 West Utah Ave Payson, Utah 84651 Telephone: 801-465-5200
TREASURER:	Kim Holindrake
CONSULTING ENGINEER:	Jason Broome, Senior Project Manager Forsgren Engineering 370 East 500 South, Ste. 200 Salt Lake City, Utah 84111 801-364-4785
BOND COUNSEL:	Gilmore & Bell 15 West South Temple, #1450 Salt Lake, Utah 84101 801-258-2722
FINANCIAL ADVISOR	Brain Baker, Financial Advisor Zion Bank Public Finance, Suite 309 Provo, Utah 84601 801-369-4093

APPLICANT'S REQUEST

Payson City is requesting funding from the Water Quality Board in the amount **$23,000,000** for the modification of their water reclamation facility to bring it into compliance with the Technology Based Effluent Phosphorus Limit (TBPEL) that was placed into rule and went into effect in 2020. They are currently operating under a due diligence variance that was authorized to give them time to complete the necessary upgrades.

APPLICANT'S LOCATION

Payson City is located in Utah County, approximately 60 miles south of Salt Lake City.



PROJECT BACKGROUND

The City of Payson first installed their water reclamation facility in the 1930's. There have been several upgrades to the facility. The most recent completed expansion included headworks, aeration tanks and aeration basins, a primary digester rehabilitation, new final clarifier, and solids handling building. The facility has design capacity for average daily flow of 3.0 million gallons per day (MGD), with a peak hydraulic capacity of 5.75 MGD. Currently the effluent from the wastewater facility is discharging to the irrigation ditch through a 24 inch pipe. It flows into Beer Creek which flows into Benjamin Slough that enters Utah Lake.

PROJECT NEED

The existing wastewater treatment plant will not meet future and anticipated regulatory requirements for nutrients. The Technology Based Phosphorus Effluent Limit (TBPEL) of 1 mg/L effective January

1, 2020 is the most pressing of these regulatory requirements. A variance granted to Payson City by the Division of Water Quality (DWQ) allows the WWTP to discharge phosphorus at a maximum of 4.6 mg/L from January 1, 2020 until January 1, 2024. During this time, Payson City will upgrade its WWTP to meet the TBPEL.

The proposed nutrient removal upgrade project will incorporate a modification of the existing facility. With the 5 MGD Expansion with redundancy, the WWTP will reach capacity in 2058. This proposal will also include several upgrades to the facility to meet the regulation updates including phosphorus limits, as well as other nutrient limits for the tributaries of the Utah Lake.

ALTERNATIVES EVALUATED

The Facilities Plan dated in 2019 evaluated the following alternatives:

- Alternative 5.1: No Action
- Alternative 5.2: 5 MGD Expansion with Redundancy—Chemical Nutrient Removal
- Alternative 5.3: 5 MGD Expansion with Advanced Biological Nutrient Removal (ABNR)
- Alternative 5.4: 5 MGD Expansion with ABNR, Aerobic Stabilization
- Alternative 5.5: 5 MGD Expansion with Aerobic Stabilization
- Alternative 5.6: 3 MGD Expansion with Redundancy
- Alternative 5.7: 3 MGD Expansion with ABNR System
- Alternative 5.8: 3 MGD Expansion with ABNR, Aerobic Stabilization
- Alternative 5.9: 3 MGD Expansion with Aerobic Stabilization (preferred alternative).
- Alternative 5.10: Additional BOD Treatment for Payson Fruit Growers
- Alternative 5.11: New Proposal (Amendment to Facility Plan): 5 MGD Expansion with Oxidation Ditch and BNR

The proposed alternative is Alterative 5.11 which is to construct a 5 MGD Expansion with a new Oxidation Ditch.

PROJECT DESCRIPTION

The City is proposing to construct a 5 MGD Expansion with an Oxidation Ditch as a treatment facility upgrade. The City proposes the following items: site work, plant repairs, headworks improvements and expansion, new primary lift station, new anaerobic tank, new oxidation ditch tank (based on Evoqua Orbal system), new final clarifier, solids handling improvements (expand Press Building and add two screw presses), new chemical storage and feed building (for phosphorus removal backup), convert chlorine contact tank to UV disinfection facility, remodel reuse pump station, upgrade filter building (convert to cloth media), convert anaerobic digesters to aerobic solids holding tanks, and modify/expand/upgrade electrical and instrumentation systems.

POSITION ON PROJECT PRIORITY LIST

Payson City is currently ranked No. **2** of 10 on the FY 2020 Wastewater Treatment Project Priority List (PPL).

POPULATION GROWTH

Based on the 2010 US Census data, the 2015 population was estimated at 23,257 including 20,140 for Payson and 3,117 for Elk Ridge by the Governor's Office of Planning and Budget Demographic and Economic Analysis Section. According to the State's projections, the City of Payson has a growth rate of 2.2 % and Elk Ridge has a growth rate of 4.6 % until 2020, and then drops to 1.7 % and 1.9%, respectively from 2020 to 2040. The combined build out population is estimated to be 44,301 people.

Year	Payson	Elk Ridge	Total
2020	22,832	3,898	26,730
2040	31,798	5,635	37,433
2050	37,526	6,776	44,301

PUBLIC PARTICIPATION AND DEMONSTRATION OF PUBLIC SUPPORT:

The City of Payson has held two public hearings regarding the proposed alternatives for the facility upgrades, and the allocation of $2 million of the municipal budget towards the engineering design of the facility upgrades. The first public hearing was on June 6th, 2019 to explain the various upgrade alternatives and accepted questions from the City Council and the public. The second public hearing was held on August 5th, 2020 to receive public input regarding the allocation of $2 million towards the engineering design.

IMPLEMENTATION SCHEDULE

Apply to WQB for Funding:	January 2021
WQB Funding Authorization:	March 2021
Public Hearing:	February 2021
Submit Information for Facility Plan including Environmental Assessment:	September 2021
Submit Information for Engineering Report Approval:	September 2021
Commence Design:	June 2021
Issue Construction Permit:	August 2021
Advertise for Bids:	November 2021
Bid Opening:	November 2021
Loan Closing:	January 2022
Commence Construction:	February 2022
Complete Construction:	June 2023

APPLICANT'S CURRENT USER CHARGE

Currently, Payson City charges approximately $35.58 per month per ERC. According to the Utah Water Quality Board's criteria of 1.4% of MAGI ($46,000 for Payson), a rate of $53.67 per month for wastewater service should be exceeded for grant consideration. The impact fee is $1,823 and the hookup fee is $170.

COST ESTIMATE

The total cost of the project is estimated to be $24,000,000. A breakdown of these costs follows.

Land/Right-of-way	$60,000
Legal/Bonding	$140,000
DWQ Loan Origination Fee	$230,000
Engineering - Design	$900,000
Engineering - CMS	$900,000
Construction	$18,000,000
Contingency	$3,770,000
Total Project Cost:	**$24,000,000**

COST SHARING

The total cost of the project is $24,000,000.

Funding Source	Cost Sharing	Percent of Project
Local Contribution	$1,000,000	4.2%
WQB Funding	$23,000,000	95.8%
Total Amount:	$24,000,000	100%

ESTIMATED ANNUAL COST FOR SEWER SERVICE

Different funding options result in different annual sewer costs. A cost model is shown in Attachment 1, which analyzes many possible funding options. The resulting total annual sewer cost is shown for each funding option.

STAFF COMMENTS

This is a project introduction, and staff recommendations will be provided at the request for funding authorization. Staff believes that this is an important project.

This project will allow Payson City to maintain compliance with Division of Water Quality Discharge requirements, specifically it will make it possible for the plant to reduce the phosphorus that is discharged from the treatment facility and bring them into compliance with the Technology Based Phosphorus Effluent Limit (TBPEL) of 1.0 mg/l.

ATTACHMENT 1
Payson City - Water Quality Board
20 Year Loan Static Cost Model

Project Costs

Land/Right-of-way	$	60,000
Legal/Bonding	$	140,000
DWQ Loan Origination Fee	$	230,000
Engineering - Design	$	900,000
Engineering - CMS	$	900,000
Construction	$	18,000,000
Contingency	$	3,770,000
Total Project Cost:	**$**	**24,000,000**

Project Funding

Local Contribution	$	1,000,000
Loan	**$**	**23,000,000**
WQB Grant	**$**	**-**
Total Project Cost:	**$**	**24,000,000**

Current Customer Base & User Charges

Initial Total Customer (ERU's)	7,500
MAGI for Payson City (2018):	$46,000
Affordable Monthly Rate at 1.4%	$53.67
Impact Fee (per ERU):	$1,823
Current Monthly Fee (per ERU)	$35.00
Existing Sewer Debt Service	$580,000
Annual O&M expensive	$1,629,000

Funding Conditions

Loan Repayment Term:	20
Reserve Funding Period:	6

ESTIMATED COST OF SEWER SERVICE

WQB Grant	WQB Loan	Private Loan Amount	WQB Loan	Private Loan Interest Rate	WQB Loan	WQB Loan	Private Loan Debt Service	Annual Sewer	Existing Debt Service	Total Annual Sewer Cost	Monthly Sewer Cost/ ERU	Sewer Cost as % of MAGI
-	23,000,000	0	0.00%	1.75%	1,150,000	287,500	0	1,629,000	580000	3,646,500	40.52	1.06%
-	23,000,000	0	0.75%	1.75%	1,242,705	310,676	0	1,629,000	580000	3,762,381	41.80	1.09%
-	23,000,000	0	1.00%	1.75%	1,274,552	318,638	0	1,629,000	580000	3,802,190	42.25	1.10%
-	23,000,000	0	1.25%	1.75%	1,306,869	326,717	0	1,629,000	580000	3,842,586	42.70	1.11%
	11,500,000	11,500,000	0.75%	1.75%	621,352	155,338	686,449	1,629,000	580000	3,843,752	42.71	1.11%
	11,500,000	11,500,000	1.00%	1.75%	637,276	159,319	686,449	1,629,000	580000	3,863,657	42.93	1.12%
	11,500,000	11,500,000	1.25%	1.75%	653,434	163,359	686,449	1,629,000	580000	3,883,854	43.15	1.13%
	5,000,000	18,000,000	0.75%	1.75%	270,153	67,538	1,074,442	1,629,000	580000	3,621,133	40.23	1.05%
	5,000,000	18,000,000	1.00%	1.75%	277,077	69,269	1,074,442	1,629,000	580000	3,629,788	40.33	1.05%
	5,000,000	18,000,000	1.50%	1.75%	291,229	72,807	1,074,442	1,629,000	580000	3,647,478	40.53	1.06%
	2,500,000	20,500,000	0.75%	1.75%	135,077	33,769	1,223,670	1,629,000	580000	3,907,433	43.42	1.13%
	2,500,000	20,500,000	1.00%	1.75%	138,538	34,635	1,223,670	1,629,000	580000	3,911,760	43.46	1.13%
	2,500,000	20,500,000	1.50%	1.75%	145,614	36,404	1,223,670	1,629,000	580000	3,920,606	43.56	1.14%
	0	23,000,000		1.75%	0	0	1,372,898	1,629,000	580000	3,925,123	43.61	1.14%

State of Utah

SPENCER J. COX
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Lieutenant Governor

Department of
Environmental Quality

Kimberly D. Shelley
Interim Executive Director

DIVISION OF WATER QUALITY
Erica Brown Gaddis, PhD
Director

M E M O R A N D U M

TO: Utah Water Quality Board

THROUGH: Erica Brown Gaddis, PhD, Director;
John Mackey, P.E., Assistant Director; and
Lenora Sullivan, Data and Information Services Section Manager

FROM: Judy Etherington, Wastewater Certification Program Coordinator

DATE: January 27, 2021

SUBJECT: Recommendation for Appointments to the Wastewater Operator Certification Council for February 1, 2021 through January 31, 2024

As of January 31, 2021, the terms of service for two members of the Wastewater Operator Certification Council will expire. The members with expiring terms are Brent Justensen, representing certified wastewater collection operators; and Paul Fulgham, representing certified wastewater treatment operators. Other current members of the Council include Giles Demke, Phil Harold, Brian Lamar, Blaine Shipley, and Dr. Jennifer Weidhaas.

Recommendations for appointment to these positions were solicited from individuals and organizations in the wastewater sector and educational institutions. Individuals are appointed for a three-year term. Council members may be reappointed, but they do not automatically succeed themselves. The names recommended to the Board at this time are selected from written recommendations received by the Division of Water Quality prior to January 12, 2021.

At this time, it is recommended that *Chad Burrell*, the Pretreatment and Safety Coordinator for Snyderville Basin Water Reclamation District, be appointed to fill the vacancy "representing certified wastewater treatment operators"; and *Rob Jaterka*, the District Inspector for Magna Water District, be appointed to fill the second vacancy "representing certified collection system operators." Both individuals hold Grade IV certifications in their representative classifications, and other wastewater certifications with over twenty years of experience in wastewater. The terms for the new appointments would begin February 1, 2021, and continue through January 31, 2024.

This is a request for Board approval of these two appointments for the term February 1, 2021 through January 31, 2024.

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