



WATER QUALITY

2018 Intended Use Plan

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2018 Intended Use Plan

INTENDED USE PLAN

ABSTRACT

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 FY18 is estimated to be \$7,000,000. See Figure 1 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 Figure 2 and 3 for a list of these respective projects.

INTRODUCTION

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 2018 CWSRF Capitalization Grant agreement. 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 and the Environmental Protection Agency – Region 8. This document also describes the intended uses for: the State Revolving Fund (SRF), the Utah Wastewater Loan Fund (UWLF), and the Hardship Grant Funds (HGFs). All data provided in the 2018 IUP are projections of funding for the listed projects. Ultimately, the Utah Water Quality Board will determine loan amounts and financing terms as 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. If this occurs, the project may be removed from the SRF Project Priority List. Similarly, if an SRF-eligible project does not proceed, it may be removed from this list. The Intended Use Plan includes any project listed on the FY 2018 Project Priority List as well as any unanticipated projects that may be added during the year. Projects are listed on the Project Priority List prior to being presented to the Water Quality Board for authorization. Projects will be considered for funding according to their priority and readiness to proceed.

PROGRAM OPERATIONS

Since its inception in 1989, Utah's CWSRF program has received appropriations from the federal government through capitalization grants. For FY18, Utah estimates its capitalization grant award will be approximately \$7,000,000.

In addition to federal dollars, The Department of Environmental Quality – Division of Water Quality is required to provide a twenty percent (20%) state match. 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 and from a state sales tax allocation. For FY18, Utah anticipates receiving its full measure of sales tax dollars, which is \$3,587,500. The entire 20% state matching amount 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 up to \$400,000 for costs associated with administering the program. 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 \$485,000 will be collected from loan origination fees by the end of Fiscal Year 2018.

EXTENDED FINANCING TERMS

As of July 1, 2017, the Utah Water Quality Board has provided extended financing to ten SRF recipients: Duchesne City, San Juan Spanish Valley SSD, Bear Lake SSD, Nibley City, Fairview City, Hooper City, Stockton Town, Mona City, Elwood Town, and Eureka 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 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.

ADDITIONAL SUBSIDIZATION

The FY18 capitalization grant may allow states to provide additional subsidization in the form of principal forgiveness and negative interest loans. Minimum and maximum additional subsidization amounts will be outlined in the programmatic terms and conditions of the award. 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. Figure 1: FY18 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.

GREEN PROJECT RESERVE

The FY18 capitalization grant allocation may require that, to the extent 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. Figure 1: FY18 List of SRF Projects, identifies projects that may meet the Green Project Reserve requirement.

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 the one-page worksheet through the Clean Benefits Reporting database for all binding commitments in the quarter that they are made.

FY18 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. Figure 1 shows the proposed 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.

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.

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.

SHORT TERM GOALS

1. Present eligible projects to the Water Quality Board for authorization by increasing the profile of the SRF program as a potential funding source and by assisting 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 and storm water projects.
4. Provide funding, equal to at least ten percent (10%) of the capitalization award, for recycled water and water reuse projects.



Moab Sequencing Batch Reactor Tank Nov 2017

FIGURE 1. FY18 LIST OF SRF PROJECTS

LOAN RECIPIENT	PERMIT NUMBER	NEEDS CATEGORY	ASSISTANCE AMOUNT	INTEREST RATE	TERM (YRS)	ADDITIONAL SUBSIDY AMOUNT (Principal Forgiveness)	GREEN PROJECT RESERVE AMOUNT	BINDING COMMITMENT	CONSTRUCTION START/END
LOANS CLOSED WITH REMAINING DRAWS									
Logan City	UT002199920	II-Advanced Wastewater Treatment	\$69,131,000	0.75%	20			Mar-16	Start June 2018 3 Years
AUTHORIZED LOANS									
Duchesne City	UT0020095	I-Secondary Treatment	2,700,000	0.25%	30		\$400,000	May-17	Start July 2017
Moab City	UT0020419	I-Secondary Treatment	14,200,000	1.15%	20		\$502,937	Apr-17	Start Aug 2017 2 Years
Roosevelt	N/A	IVa-New Collectors	2,576,000	Unknown	Unknown	\$1,627,000		Jun-17	Start Jan 2018 15 Months
Salem City	UT0020249	I-Secondary Treatment	13,000,000	1.15%	20			Apr-18	Start June 2018 2 Years
San Juan Spanish Valley SSD	N/A	IVa-New Collectors	2,515,000	0%	30	\$1,547,000		Apr-18	Start Aug 2018 1 Year
South Davis Sewer Dist	UT0021628	II-Advanced Treatment	25,000,000	Unknown	Unknown		25000000	Feb-18	Start June 2017 6 Months
ANTICIPATED LOANS									
Central Valley WRF	UT0024392	I-Secondary Treatment	40,000,000	Unknown	Unknown			Dec-18	Start Dec 2018 2 Years
Emigration SID	N/A	L-Individual/Decentralized Systems	3,000,000	Unknown	Unknown		\$500,000	Aug-19	Start Aug 2019 1.5 Years
Moab City (sewer)	UT0020419	IVb-New Interceptors	5,000,000	Unknown	Unknown			Mar-19	Start Mar 2019 2 Years
Moab City (outfall)	UT0020419	IIIb-Major Sewer Rehabilitation	1,000,000	Unknown	Unknown			Dec-18	Start 12/2018 1/2 Year
Moab City (SW Joint SW Project w/UDOT)	UT0020419	VI-Storm Sewers	500,000	Unknown	Unknown		500,000	Jun-18	Start Mar 2019 1 Year
Park City		II- Advanced Treatment	20,000,000	Unknown	Unknown			Jun-19	2 Years
Payson City	UT0020427		1,500,000	6,900,000	Unknown	Unknown		Oct-19	Start Jan 2020 1/2 Year
Provo City		II- Advanced Treatment	40,000,000	Unknown	Unknown			Dec-20	Start Jan 2020 2 Years
Salt Lake City	UT0021725	I-Secondary Treatment	40,000,000	Unknown	Unknown			Dec-20	Start June 2021 4 Years
Spanish Fork City	UT0020109	I-Secondary Treatment	8,000,000	Unknown	Unknown			Dec-18	Start Dec 2019 1 Year
SVWRF+B4		II- Advanced Treatment	15,000,000	Unknown	Unknown			Aug-18	Start Jan 2019 1 Year
Town of Tropic	N/A	I-Secondary Treatment	2,000,000	Unknown	Unknown			Sep-18	Start Sep 2018 1 Year
TOTAL			\$310,522,000			\$3,174,000	\$26,902,937		

FY18 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 Figure 2 for a list of proposed projects to be funded from the Utah Wastewater Loan Fund.

FIGURE 2: FY18 LIST OF UWLF PROJECTS					
LOAN RECIPIENT	ASSISTANCE AMOUNT	INTEREST RATE	TERM (YEARS)	BINDING COMMITMENT	CONSTRUCTION START/END
LOAN CLOSED w/Remaining Draws					
Summit County				Apr-17	Start June 17 6 Months
AUTHORIZED LOANS					
Blanding City	2,500,000	Unknown	Unknown	Apr-18	1 Year
Eagle Mountain City	1,793,000	1%	20	Mar-18	1 Year
Grantsville City	4,880,000	1.75%	30	Sep-18	Start Sep 18 1 Year
Morgan City	2,830,000	1.50%	20	Feb-18	Start Mar 18 7 Months
ANTICIPATED LOANS					
Arches SSD	1,500,000	Unknown	Unknown	Aug-18	ReFi
Duck Creek	2,000,000	Unknown	Unknown	Aug-18	1 Year
Kamas City	4,000,000	Unknown	Unknown	Dec-20	Start Dec 20 1.5 Years
Plain City	6,000,000	Unknown	Unknown	Dec-20	2 Years
Tooele County	8,000,000	Unknown	Unknown	Dec-18	1 Year
Wellington City	7,000,000	Unknown	Unknown	Jan-19	2 Years
TOTAL	\$ 36,210,000				

FY18 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. 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 Figure 3 for a list of proposed projects to be funded from the Hardship Grant Funds.



Construction on the Francis City Project

FIGURE 3: FY18 LIST OF HARDSHIP GRANT PROJECTS

Recipient	Assistance Amount	Type
HARDSHIP GRANTS		
Arches SSD	35,000	Planning Grant
Big Plains	38,000	Planning Grant
Duchesne City	122,488	Construction Grant
Eagle Mountain City (White Hills)	510,000	Construction Grant
Emigration Sewer Improvement District	26,158	Planning Grant
Francis City	513,000	Construction Grant
ANTICIPATED HARDSHIP GRANTS		
Bear Lake SSD	500,000	Construction Grant
Kane County WCD (Duck Creek)	1,000,000	Construction Grant
NON-POINT SOURCE GRANTS		
DEQ - Ammonia Criteria	46,630	NPS Grant
DEQ – Willard Spur Study	113,326	NPS Grant
DEQ – Nitrogen Transformation Study	36,567	NPS Grant
DEQ – San Juan River Monitoring	144,208	NPS Grant
DEQ-Great Salt Lake Advisory Council	245,615	NPS Grant
Gunnison Irrigation Company	48,587	NPS Grant
Utah Department of Agriculture	642,153	NPS Grant
DEQ - GW Quality Study	68,100	NPS Grant
DEQ – Utah Lake Water Quality Study	1,000,000	NPS Grant
FY12 – FY18 Remaining Payments	2,133,156	Various NPS Grants
TOTAL	\$7,222,988	

PAYMENT SCHEDULE

Utah's Clean Water SRF has met "first use" requirements of Section 602(b)(5). SRF 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 FY 2018 Intended Use Plan exceeds the actual amount of funds available during the planning period, one of the following may occur:

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

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



Moab Construction Nov 2017



City of Tropic Lagoons



City of Roosevelt Arial View of Sewer Project Construction

CASH FLOW PROJECTIONS: STATE REVOLVING FUND

STATE REVOLVING FUND (SRF)	State FY 2018	State FY 2019	State FY 2020
Funds Available			
2015 Capitalization Grant	1,753,601	-	-
2016 Capitalization Grant	6,611,000	-	-
2017 Capitalization Grant	6,956,000	-	-
2018 Capitalization Grant (estimated)	7,000,000	-	-
2019 Capitalization Grant (estimated)	-	7,000,000	-
2020 Capitalization Grant (estimated)	-	-	7,000,000
2018 State Match	4,242,000	-	-
2019 State Match	-	1,400,000	-
2020 State Match	-	-	1,400,000
SRF - 2nd Round	119,383,985	57,162,956	(6,263,004)
Interest Earnings at 1.5%	1,349,427	861,503	-
Loan Repayments (including interest)	6,576,943	13,159,537	13,918,447
Total Funds Available	153,872,956	79,583,996	16,055,443
Administrative Expenses	(400,000)	(400,000)	(400,000)
Loans Closed with Remaining Draws			
Duchesne City	(1,425,000)	-	(300,000)
Logan City	(39,131,000)	(30,000,000)	-
Moab City	(5,980,000)	(2,000,000)	-
Roosevelt City	(1,306,000)	-	-
Authorized Loans			
Salem City	(3,000,000)	(10,000,000)	-
San Juan Spanish Valley SSD	(968,000)	(1,547,000)	-
South Davis Sewer District (with NPS)	(10,000,000)	(15,000,000)	(3,851,000)
Anticipated Projects			
Central Valley WRF	-	-	(40,000,000)
Emigration SID	(3,000,000)	-	-
Moab City (sewer)	(5,000,000)	-	-
Moab City (outfall)	(1,000,000)	-	-
Moab City (SW Joint SW Project w/UDOT)	(500,000)	-	-
Park City	-	-	(20,000,000)
Payson City	-	(6,900,000)	-
Provo City	-	(20,000,000)	(20,000,000)
Salt Lake City	-	-	(40,000,000)
Spanish Fork City	(8,000,000)	-	-
SVWRF	(15,000,000)	-	-
Town of Tropic	(2,000,000)	-	-
Total Obligations	(96,710,000)	(85,847,000)	(124,551,000)
SRF Unobligated Funds	\$ 57,162,956	\$ (6,263,004)	\$ (108,495,557)

CASH FLOW PROJECTIONS: UTAH WASTEWATER LOAN FUND

UTAH WASTEWATER LOAN FUND (UWLF)	State FY	State FY	State FY
	2018	2019	2020
Funds Available			
UWLF	\$ 22,017,720	\$ 913,008	\$ 5,806,470
Sales Tax Revenue	3,587,500	3,587,500	3,587,500
Principal Repayments	2,164,487	2,870,662	2,792,188
Total Funds Available	27,769,708	7,371,170	12,186,158
General Obligations			
State Match Transfer	(4,242,000)	-	-
DWQ Administrative Expenses	(1,564,700)	(1,564,700)	(1,564,700)
Loans Closed with Remaining Draws			
Summit County	-	-	-
Authorized Loans			
Blanding City	(2,557,000)	-	-
Eagle Mountain City	(1,283,000)	-	-
Grantsville City	(4,880,000)	-	-
Morgan City	(2,830,000)	-	-
Anticipated Loans			
Arches SSD	(1,500,000)	-	-
Duck Creek	(2,000,000)	-	-
Kamas City	-	(4,000,000)	-
Plain City	(6,000,000)	-	-
Tooele County	-	-	(8,000,000)
Wellington City	-	-	(7,000,000)
Total Obligations	(26,856,700)	(1,564,700)	(1,564,700)
UWLF Unobligated Funds	\$ 913,008	\$ 5,806,470	\$ 10,621,458

CASH FLOW PROJECTIONS: HARDSHIP GRANT FUNDS

HARDSHIP GRANT FUNDS (HGF)	State FY	State FY	State FY
	2018	2019	2020
Funds Available			
Beginning Balance		\$ 1,029,002	\$ 953,393
Federal HGF Beginning Balance	3,762,480	-	-
State HGF Beginning Balance	824,547	-	-
Interest Earnings at 1.5%	51,848	15,508	14,369
UWLF Interest Earnings at 1.5%	248,872	156,934	230,684
Hardship Grant Assessments	950,147	869,710	768,980
Interest Payments	214,095	282,239	252,718
Total Funds Available	6,051,989	2,353,393	2,220,143
Hardship Grants			
Arches Special Service District - Planning Advance	(35,000)		
Big Plains - Planning Grant	(38,000)	-	-
Duchesne City - Construction Grant	(122,488)	-	-
Eagle Mountain City - Construction Grant	(510,000)	-	-
Emigration Sewer Imp Dist - Planning Grant	(26,158)	-	-
Francis City - Construction Grant	(513,000)	-	-
Non-Point Source/Hardship Grant Obligations			
(FY11) Gunnison Irrigation Company	(48,587)	-	-
(FY11) DEQ - Willard Spur Study	(113,326)	-	-
(FY12) Utah Department of Agriculture	(642,153)	-	-
(FY13) DEQ - Great Salt Lake Advisory Council	(245,615)	-	-
(FY15) DEQ - Ammonia Criteria Study	(46,630)		
(FY15) DEQ - Nitrogen Transformation Study	(36,567)		
(FY16) DEQ - San Juan River Monitoring	(144,208)		
(FY17) DEQ - GW Quality Study	(68,100)		
(FY17) DEQ - Utah Lake Water Quality Study	(300,000)	(400,000)	(300,000)
FY 2013 - Remaining Payments	(2,265)	-	-
FY 2014 - Remaining Payments	-	-	-
FY 2015 - Remaining Payments	(124,932)	-	-
FY 2016 - Remaining Payments	(401,820)	-	-
FY 2017 - Remaining Payments	(604,139)	-	-
FY 2018 Allocation	(1,000,000)	-	-
FY 2019 Allocation	-	(1,000,000)	-
FY 2020 Allocation	-	-	(1,000,000)
Planned Projects			
None at this time	-	-	-
Total Obligations	(5,022,988)	(1,400,000)	(1,300,000)
HGF Unobligated Funds	\$ 1,029,002	\$ 953,393	\$ 920,143

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

RANKING AS OF 11/17/2017	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	Morgan City	x	116	50	21	5	40
3	Salem City	x	108	50	12	6	40
4	Eagle Mountain City (White Hills)	x	106	60	5	1	40
5	Blanding City	x	104	35	5	4	60
6	Grantsville City	x	94	35	12	7	40
7	San Juan Spanish Valley SSD	x	86	45	0	1	40



UTAH DEPARTMENT *of*
ENVIRONMENTAL QUALITY

**WATER
QUALITY**

