



State of Utah

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MEMORANDUM

TO: Utah Water Quality Board

THROUGH: Erica Brown Gaddis, PhD & John Mackey, PE

FROM: DWQ Engineering Section

DATE: January 20, 2021

SUBJECT: Finance Committee Meeting – Additional Funding Requests

BACKGROUND

In recent months there has been continued cost escalation caused by many factors such as COVID-19 related material and labor shortages, an uptick in construction activity, inflation, etc. Additionally, during the recent past years, due to limited funding availability, the Water Quality Board chose to hold back part of the funding as a reserve. Also, there have been less than anticipated funding requests over the past few funding cycles, allowing that reserve to remain in place.

INFRASTRUCTURE INVESTMENT AND JOBS ACT

On November 15, 2021, the President signed the Infrastructure Investment and Jobs Act (IIJA) into law. The ILJA, also referred to as the Bipartisan Infrastructure Law (BIL), has important impacts on the Clean Water and Drinking Water SRF programs. The major effects to Clean Water SRF are as follows:

- The BIL proposes increases in funding to the existing Clean Water SRF capitalization grant
 - This provides a guidance, it is not yet funded
 - The guidance indicates a 30% increase in FY22 to an 80% increase in FY26
 - The increase will not be realized unless a budget including the increased funding is passed by US Congress.
 - We will likely receive similar funding to previous years under continuing resolutions used to fund the government instead of a new budget, although EPA has asked us to plan on a 20% increase next fiscal year.

- The BIL includes new appropriations that include new funding for CWSRF as follows:
 - General Supplemental Capitalization Grants
 - FY 2022 - \$1,902,000,000 (10% State Match Required)
 - FY 2023 - \$2,202,000,000 (10% State Match Required)
 - FY 2024 - \$2,403,000,000 (20% State Match Required)
 - FY 2025 - \$2,603,000,000 (20% State Match Required)
 - FY 2026 - \$2,603,000,000 (20% State Match Required)
 - 49% of funding must be provided as additional subsidy (Principal Forgiveness)

Table 1: BIL increases for Utah

Fiscal Year	Current Cap Grant	Guidance Approximate Increase to Cap Grant	Approximate General Supplemental Grant
2022	\$8,357,000	\$2,820,000	\$9,360,450
2023	\$8,357,000	\$4,456,250	\$10,294,350
2024	\$8,357,000	\$5,625,000	\$11,234,025
2025	\$8,357,000	\$6,793,750	\$12,169,025
2026	\$8,357,000	\$6,793,750	\$12,169,025
SUBTOTAL	\$41,785,000	\$26,488,750	\$55,226,875

- The BIL includes new appropriations that include new funding for CWSRF for Addressing Emerging Contaminants and Sewer Overflow and Stormwater Reuse Municipal Grants (OSG)
 - This funding is not further examined as it will likely have special stipulations which EPA is currently working on guidance for.

Table 2: BIL Appropriations and Estimated Utah allocation (0.5%)

Fiscal Year	Emerging Contaminants		OSG	
	BIL	Utah	BIL	Utah
2022	\$100,000,000	\$500,000	\$280,000,000	\$1,400,000
2023	\$225,000,000	\$1,125,000	\$280,000,000	\$1,400,000
2024	\$225,000,000	\$1,125,000	\$280,000,000	\$1,400,000
2025	\$225,000,000	\$1,125,000	\$280,000,000	\$1,400,000
2026	\$225,000,000	\$1,125,000	\$280,000,000	\$1,400,000

- The BIL includes the *Build America, Buy America Act* (BABAA)
 - This adds new BABAA provisions to **ALL** construction materials on federally funded projects. EPA has stated to staff this goes into effect for any project not under agreements within 180 days after the BIL. Thus, staff's understanding is bonds CLOSED prior to May 14, 2022 will not require additional BABBA requirements.

- Staff is uncertain as to how these requirements will be enacted May 14, 2022 and awaits EPA guidance.

UTAH WASTEWATER LOAN FUND POTENTIAL IMPACTS

Due to the increases in the grants detailed above, additional funding will be required from Utah in the form of State Match, which varies from 0% to 20%. Staff has estimated these potential matches and has identified potential shortfalls in funding of the State Match.

Table 3: Estimates of Required State Match

Fiscal Year	Estimated Potential State Match	Current State Match	Additional State Match Needed
2022	\$3,180,045	\$1,680,000	\$1,500,045
2023	\$3,600,685	\$1,680,000	\$1,920,685
2024	\$5,051,805	\$1,680,000	\$3,371,805
2025	\$5,472,555	\$1,680,000	\$3,792,555
2026	\$5,472,555	\$1,680,000	\$3,792,555
SUBTOTAL	\$22,777,645	\$8,400,000	\$14,377,645

The Governor’s budget includes a request for state match needed for both the Drinking Water and Clean Water SRFs for fiscal years 2022 and 2023. This request must be appropriated and approved by the legislature.

Attachment 1 is the January Financial Status Report showing existing balances prior to addition of the BIL funds. Staff believes it is reasonable for the Board to consider authorizing these existing funds. **Examining the balances through FY24, staff recommends the Board consider reserving \$5 million in UWLF balances for any emergency project needs which would leave \$24.5 million reserve funds unobligated for Additional Assistance.** This is broken down in to \$11.5 million in FY22 and \$13 million in FY24. Attachment 2 provides a Financial Status Report of the best estimate staff can make of CAP Grant increase and General Supplemental Funding Grant, including required matches.

EARLY CLOSING

Staff intends to honor the Authorizations made for funds obligated by the Board prior to the signing of the BIL by closing the existing project bonds by May 13, 2021. Early closing means a few items will be outstanding after closing the bond. These outstanding items may include a construction permit, UPDES permit modifications, and bids/guaranteed maximum price for the project. There are a couple of risks inherent to closing early, such as:

- Cost overruns will require additional funding on the private market or with another funding agency. This was already the case as none of the projects were 100% funded by the WQ Board.

- Once the bond is closed the funds are fully obligated to that project
- If the project ends up not proceeding, the entity would need to pay back all drawn funds and the bond would need to be called.
 - In this respect staff intends to only draw legal fees until all requirements are completed.

Staff believes that in the case of the projects before the Board in January these risks are worth taking to honor the prior authorizations.

RECOMMENDED PROJECTS FOR WATER QUALITY BOARD CONSIDERATION OF ADDITIONAL FUNDING

Over the past few years the WQ Board has been cautious and responsible with fund balances by retaining reserve funds. However, due to the new incoming BIL funding and the increased requirements that will be placed upon these reserves, staff believes that it is prudent to consider providing these reserve funds to existing projects that have closed or will be able to close bonds prior to the May deadline. As such, staff reached out to funding recipients that have been previously authorized that have known or anticipated increased project costs. Several of these projects have received bids for much or all of their projects. Staff has a brief summary of each project as Enclosure 1 and a cost model for each project as Attachment 1 through 6. Below are Tables 3 and 4 showing Additional Funding Requests and Potential options for the Board to discuss.

Table 4: Summary of Projects

Entity	Original Estimate	Current Estimate
Provo City	\$108,000,000	\$127,000,000
South Salt Lake City	\$11,250,000	\$14,030,000
Payson City	\$24,000,000	\$57,085,000
Millville City	\$14,300,000	\$30,060,000
Lewiston City	\$3,060,000	\$5,300,000
Spanish Fork	\$81,000,000	\$111,000,000

Table 5: Summary of Additional Funding Requests

Entity	Funding assistance
Provo City	\$20,000,000
South Salt Lake City	\$2,760,000
Payson City	\$10,000,000
Millville City	Affordability Assistance
Lewiston City	Affordability Assistance
Spanish Fork	Requesting ARPA or State Loan Funds

Table 6: Summary of Principal Forgiveness Balances

	Minimum	Maximum	Balances
FY17	\$695,600 (met)	\$2,086,800	\$1,108,800
FY18-FY22	\$4,195,800	\$15,095,000	\$15,095,000
PROJECTED FY23	\$835,700	\$3,342,800	\$3,342,800
	Authorized	Drawn	
Provo	\$2,000,000	\$0	-\$2,000,000
South Salt Lake	\$2,000,000	\$0	-\$2,000,000
Millville	\$4,500,000	\$850,000	-\$3,650,000
BALANCE			\$11,896,600

Table 7: Summary of Additional Funding Options

Entity	UWLF	CWSRF Loan	Principal Forgiveness
Provo City		\$7,500,000 (0.5%, 20 Yr)	\$5,000,000
		\$10,500,000 (0.5%, 20 Yr)	\$2,000,000
South Salt Lake City		\$0	\$1,760,000
	\$1,032,000 (0%, 20 Yr)	\$0	\$1,760,000
	\$1,240,000 (0%, 20 Yr)	\$1,760,000 (0%, 20 Yr)	\$0
Payson City		\$5,000,000 (0.5%, 30 Yr)	\$0
		\$3,000,000 (0.5%, 30 Yr)	\$2,000,000
Millville City	\$151,768 (HGF)	\$1,261,000 (0%, 30 Yr)	\$3,750,000
	\$151,768 (HGF)	\$261,000 (0%, 30 Yr)	\$4,750,000
Spanish Fork	Only interested in ARPA or UWLF which are not the focus of this meeting.		
Lewiston City	City withdrew the request for additional funding.		

ENCLOSURE 1

PROVO CITY

At the December 3, 2018, Board meeting Provo requested funding of the construction of a Membrane Bioreactor Treatment Plant. The WQ Board authorized a \$77.8 million loan, including \$2 million in principal forgiveness, with an interest rate of 0.5% and a term of 20 years. Provo has bid three guaranteed maximum price (GMP) packages: \$2,442,219, \$16,119,203, and \$75,995,274. This is a total of \$94,556,696 in construction work and a total project cost of \$107,100,000. These GMPs represent a reduction of scope of work which lacks the construction of new aeration basins for the membrane bioreactors (MBR). At this time Provo will utilize the existing aeration basins and retrofit them to have anaerobic zones for phosphorus removal and aeration. The City is requesting \$20,000,000 in additional funding to construct the new basins with anaerobic, anoxic and aerobic zones for biological phosphorus and nitrogen removal.

ADDITIONAL FUNDING OPTIONS:

1. Staff recommends the Board consider authorizing additional \$4,000,000 million in principal forgiveness and \$8,500,000 in additional loan for the MBR Project.
2. Staff recommends the Board consider authorizing additional \$2,000,000 million in principal forgiveness and \$10,500,000 in additional loan for the MBR Project.

SOUTH SALT LAKE CITY

Central Valley Water Reclamation Facility (CVWRF) provides wastewater treatment to several cities and districts. CVWRF is in the process of upgrading the water reclamation facility to a Biological Nutrient Removal treatment process in order to comply with the TBPEL as well as improve other aspects of water quality prior to discharge to the Jordan River. South Salt Lake City (SSL) was funded separately from CVWRF due to the increased hardship they are experiencing in comparison to the other entities served by CVWRF. CVWRF has bid the majority of the projects associated with the upgrades to the facility necessary to meet the TBPEL. Almost all of the projects came in higher than anticipated when CVWRF and SSL came to the Board. The overall improvement project has increased from approximately \$187 Million to \$305 Million. Fortunately for South Salt Lake City their portion of the project has decreased from around 6% to the current rate of just over 4.59% as of September 2021. Accounting for the increase in cost and decrease in SSL liability for the project SSL has increased its needed overall funding from about \$11.25 Million to about \$14.03 Million depending on bonding costs.

South Salt Lake will participate in CVWRF bonds and utilize “Pay Go” funds to make up for any portion that is not funded by the Board. However, South Salt Lake would appreciate additional funding from the Board to help mitigate the already high financial burden on its citizens.

In order to not encumber the entire upgrade, the federal money provided by the WQ Board to both CVWRF and South Salt Lake was used to fund the contract awarded for The Biological Nutrient

Removal Basin (BNR) Project. The Bid contract included American Iron and Steel, Davis Bacon Wages, and Disadvantaged Business Enterprise requirements. South Salt Lakes funding fell short by \$1.76 million dollars for this particular project. As such a good option would be for the Board to Authorize additional funding of \$1.76 million dollars as Principal Forgiveness to South Salt Lake City, as South Salt Lake already lies within the High Burden level for the user rates prior to the additional project costs. It is anticipated by staff that if DWQ only funds the BNR project, and only uses Principal Forgiveness that there will not be a need for another loan closing. This would be the least complicated way to assist South Salt Lake City, while helping to offset the additional burden.

South Salt Lake also needs an additional \$1 million dollars to cover the increased cost for the blower building construction. While this was bid with American Iron and Steel included it has not been as heavily scrutinized and closely tracked as the BNR basin project which was the specific CVWRF is applying CWSRF funds towards. Up until now UWLF has been used for South Salt Lake City's portion of the Blower Building along with other capital projects. CVWRF has used its own funds/other bonding sources to cover the remainder of the Blower Building Project. If the Water Quality Board determines that it would prefer to authorize additional loan instead of principal forgiveness; a \$2.81 Million loan 20 years at 0% interest could be authorized in order to cover both projects with part coming from UWLF (the simplest) or second round SRF (seems plausible but more complicated) funds and Part Coming from CWSRF first round loan funds, if this is chosen additional loan origination fee and loan closing costs will need to be included as part of the loan. The third option would be a combination of principal forgiveness and loan funds.

ADDITIONAL FUNDING OPTIONS:

1. The Board could consider authorizing additional \$1.76 million in principal forgiveness for the BNR Project. In this case full funding as, principal forgiveness would not incur any additional bonding/legal fees. Remaining Funds would be through Pay Go and Participation in CVWRF Market Bonds
2. The Board could consider \$1.78 million in low interest CWSRF loan and \$1.03 million in zero percent/low interest loan from the UWLF.
3. The Board could also consider \$1.76 million in principal forgiveness and \$1.03 million in zero percent/low interest loan from the UWLF.

PAYSON

At the January 27, 2021 Water Quality Board Meeting, Payson City requested a \$23,000,000 loan to fund the construction of their plant upgrades. The upgrades consist of a headworks expansion, new primary lift station, new anaerobic tank, new oxidation ditch, new final clarifier, solids handling facilities improvements, new chemical storage and feed building, convert existing chlorine contact tank to UV disinfection, remodel reuse pump station, upgrade filter building, convert anaerobic digesters to aerobic solids holding tanks, and modify/expand/upgrade electrical and instrumentation systems. These upgrades will allow Payson City WWTP to remove phosphorus and nitrogen to meet the TBPEL and future Utah Lake nutrient standards. The

remaining \$1,000,000 for the design costs were to be paid by the city. At the March 23, 2021 Board meeting, the Board authorized a loan for \$11,500,000 at an interest rate of 1.11% over 20 years. This loan would have covered half the cost of the construction costs at that time.

Since that loan was authorized in March, Payson has changed Engineering firms and a new cost analysis was done. The firm hired by Payson, Forsgren Engineering, has now estimated the total cost of the project to be \$57,085,000. This increase in cost is due to the recent market fluctuations that have hit the construction industry particularly hard. Of the entire \$57,085,000 total project cost, Payson City is contributing \$2,155,000 of its own funds towards the project for Engineering Design and CM/GC Preconstruction services.

From this increase in project cost, the city of Payson is now categorized as having a Medium Financial Burden due to the increase in their % MAGI above 1.4%. In order to cover the rest of the cost of the project, Payson needs an additional \$43,430,000 of funding. Payson is seeking to get as much of their project funded as possible in a way that will lessen the financial burden on their ratepayers. Payson's cost model can be seen in Attachment 3.

ADDITIONAL FUNDING OPTIONS:

1. The Board can consider authorizing a loan of \$21,715,000 to fund half of Payson's remaining project cost, at an interest rate of 0.5% over 30 years.
2. Staff recommends the Board consider authorizing additional \$3 million in additional loan at an interest rate of 0.5% over 30 years. Staff also recommends the Board consider \$2 million in Principal Forgiveness as Payson now qualifies with a % MAGI greater than 1.4%.
3. Staff recommends the Board consider authorizing additional \$5 million in additional loan at an interest rate of 0.5% over 30 years.

MILLVILLE

The proposed project consists of a new sewerage system through a new pump station and force main and connect to Hyrum City's existing treatment systems. At the time of estimation, the total cost of the project was \$14.3 million. The project was bid during March 2021. Unfortunately, the lowest bid was \$25,931,777 for construction work with a project total of \$30,060,000.

The Board has authorized \$4,500,000 in funding as principal forgiveness and \$500,000 in 30 year 0% loan. In addition, the Board has authorized funding for a \$1,000,000 Hardship Block Grant to Millville for the construction of laterals and septic tank abandonment to be distributed to hardship qualifying residents. The US Department of Agriculture-Rural Development (USDA-RD) also authorized loan and grant funding in support of the project. USDA-RD authorized two funding packages: Package 1 is a loan of \$5,011,000 with an interest rate of 1.5% and a 40-year term and a grant of \$2,949,000 and Package 2 is a loan of \$9,700,000 with an interest rate of 1.75% and a 40-year term and a grant of \$6,400,000. Package 2 is able to fund private laterals. Millville has

reached agreeable terms and interlocal agreements with Hyrum for service at \$31.86/month with no impact fee for current residents.

A total of \$30.5 million is needed to complete this project. Currently, the project is fully funded with a project user rate of \$115.70 per month. Mayor Hair and the City Council have stated they cannot proceed with the project if the rate is over \$100/month. The City is requesting the Board consider additional assistance to reach this rate. Due to limitations of how USDA-RD funding works the only way staff has identified to bring additional assistance to Millville is to authorize a refinance of USDA-RD's Package 1 after funds have been fully drawn and disbursed. USDA-RD has stated to staff this would be acceptable for the WQ Board to do. Finally, Millville currently has a UWLF outstanding debt for the construction of the Nibley line to Logan of \$151,768 which the City pays \$2/month per ERU on.

ADDITIONAL FUNDING OPTIONS:

1. Staff recommended the Board consider authorizing a refinance of the \$5,011,000 USDA-RD loan with an additional \$3,750,000 million in principal forgiveness and additional \$1,261,000 of loan at 0% for a term of 30 years.
 - a. In addition, staff recommends the Board consider authorizing HGF of up to \$151,768 to pay off the existing UWLF debt.
2. Staff recommended the Board consider authorizing a refinance of the \$5,011,000 USDA-RD loan with an additional \$4,750,000 million in principal forgiveness and additional \$261,000 of loan at 0% for a term of 30 years.
 - a. In addition, staff recommends the Board consider authorizing HGF of up to \$151,768 to pay off the existing UWLF debt.
3. Staff informed the City the Board could authorize terms for an escalating principal payment schedule on any loan funds. Escalating payments could help the City distribute the costs of the project to new connections to the system via impact fees and/or increased numbers of ERUs.

LEWISTON

Lewiston City was authorized by the board a design advance of \$186,000 at the February 26, 2020 meeting. On March 25, 2020 the Board authorized a hardship grant of \$500,000.00 to construction assistance, which includes the design advance amount. This authorization had a projected user rate of \$66.37 or 1.71% MAGI. The U.S. Department of Agriculture - Rural Development (USDA-RD) also authorized loan and grant funding in support of the project. USDA- RD authorized a loan of \$2,052,000 and was obligated at 1.875%, for a 40 years term and a grant of \$483,000 the project. *The total project was anticipated at \$3.06 million.* The proposed project consists of improvements and upgrades that are needed to replace aging infrastructure, eliminate capacity limitations and improve lagoon wastewater treatment. In addition, a new lift station and pump configuration is proposed to overcome these issues, prevent sewer backup, and provide continued reliable service as the community grows.

In June 2021, the City bid the project and the lowest bid came in over the original construction estimate. With the higher than estimated construction bid, the overall project costs are now estimated to be \$5.3 million. The bids indicated that higher costs are due to higher pipe material costs and higher labor costs due to market conditions. *A total of \$5.3 million is needed to complete the project.* Lewiston City requested additional funding of \$2,124,000 to pay for cost overruns on their construction project. The City applied for the DWQ's project assistance on December 1, 2021. However, during discussions with the City staff stated the Board would probably look at the previous projected rate of \$66.37 or 1.71 MAGI and would not likely bring funding to keep rates below 1.4% MAGI. In late December 2021, the city elected to not apply to DWQ for additional funding and withdrew the application. The city decided to pursue reducing the length of the gravity sewer pipeline to be installed as part of this project, and upgrade the lift station for reliability. This will bring the project within the budgeted amount.

ADDITIONAL FUNDING OPTION:

No additional funding options are being proposed.

SPANISH FORK

Although Spanish Fork City is not part of the funding being discussed in this meeting, Staff recently received a letter from Spanish Fork City indicating that they anticipate cost escalation for their project and will likely seek additional funding from the Board in the relatively near future. Since they initially came to the Board they have received a GMP (based on 30% design) from their contractor for \$111 Million vs their budget of \$81 Million. A part of the higher cost is related to improvements that are anticipated to be necessary to comply with future regulations related to the Utah Lake Study. These additional upgrades account for about \$7.3 Million of the \$30 Million increase. Spanish Fork City's current funding package does not include federal requirements, as this memo's focus is primarily on federal funds they are not currently included in this discussion. However, as we recently received this information, staff believes it is prudent for the Board to be aware of the developing situation with Spanish Fork City. In discussing options with Spanish Fork, it is believed that it would make sense to wait until after the legislative session to determine the best course of action regarding funding that may be available for their project.

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ATTACHMENT 1- Financial Status Report

	State Year	Fiscal	State Year	Fiscal	State Year	Fiscal	State Year	Fiscal	State Year	Fiscal	State Year	Fiscal
STATE REVOLVING FUND (SRF)	2022		2023		2024		2025		2026		2027	
Funds Available												
Capitalization Grants Awards (FFY19 - 21)	\$22,092,801		\$0		\$0		\$0		\$0		\$0	
State Match (FFY20 - 21)	\$3,343,000		\$0		\$0		\$0		\$0		\$0	
Future Capitalization Grants (estimated)	\$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	
Early State Match	\$6,000,000				\$2,800,000							
SRF - 2nd Round	\$47,402,163		\$13,756,320		\$688,945		\$692,623		\$30,460,158		\$60,305,076	
Interest Earnings at 0.4252%	\$117,573		\$58,492		\$2,929		\$2,945		\$129,517		\$256,417	
Loan Repayments (5255)	\$8,864,079		\$17,484,132		\$20,400,749		\$20,164,590		\$20,115,402		\$18,678,941	
Total Funds Available	\$97,419,616		\$40,898,945		\$33,492,623		\$30,460,158		\$60,305,076		\$88,840,434	
Project Obligations												
Central Valley Water Reclamation Facility	(23,300,000)		(6,800,000)		-		-		-		-	
Duchesne City	(27,295)		-		-		-		-		-	
Moab City	(80,000)		-		-		-		-		-	
Provo City	(34,045,000)		(20,000,000)		(8,800,000)		-		-		-	
South Salt Lake City (A)	(2,290,000)		(234,000)		-		-		-		-	
Millville City	(1,150,000)		-		-		-		-		-	
Loan Authorizations												
South Davis Sewer District (with NPS)	(7,000,000)		(7,176,000)		-		-		-		-	
Mountain Green	(1,500,000)		(4,000,000)		(1,500,000)							
Payson City			(2,000,000)		(9,500,000)							
Millville	(3,000,000)											
Planned Projects												
Provo	(4,500,000)				(8,000,000)							
Payson					(5,000,000)							
Millville	(5,011,000)											
South Salt Lake	(1,760,000)											
Total Obligations	(83,663,295)		(40,210,000)		(32,800,000)		-		-		-	
SRF Unobligated Funds	\$ 13,756,320		\$ 688,945		\$ 692,623		\$ 30,460,158		\$ 60,305,076		\$ 88,840,434	
	State Year	Fiscal	State Year	Fiscal	State Year	Fiscal	State Year	Fiscal	State Year	Fiscal	State Year	Fiscal
UTAH WASTEWATER LOAN FUND (UWLF)	2022		2023		2024		2025		2026		2027	
Funds Available												
UWLF	22,103,880		8,549,386		5,089,274		5,085,965		8,217,099		11,195,353	

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Sales Tax Revenue	-	3,587,500	3,587,500	3,587,500	3,587,500	3,587,500
Loan Repayments (5260)	1,748,956	2,495,988	2,473,791	2,808,235	2,655,353	2,270,341
Total Funds Available	23,852,836	14,632,874	11,150,565	11,481,699	14,459,953	17,053,194
General Obligations						
State Match Transfers	(4,943,000)	(1,600,000)	(1,600,000)	(1,600,000)	(1,600,000)	(1,600,000)
Early State Match	(6,000,000)		(2,800,000)			
DWQ Administrative Expenses	(1,248,450)	(1,664,600)	(1,664,600)	(1,664,600)	(1,664,600)	(1,664,600)
Project Obligations						
South Salt Lake City (B)	(3,112,000)	(1,779,000)	-	-	-	-
Loan Authorizations						
Spanish Fork	-	(4,500,000)	-	-	-	-
Planned Projects						
None at this time	-	-	-	-	-	-
Total Obligations	(15,303,450)	(9,543,600)	(6,064,600)	(3,264,600)	(3,264,600)	(3,264,600)
UWLF Unobligated Funds	\$ 8,549,386	\$ 5,089,274	\$ 5,085,965	\$ 8,217,099	\$ 11,195,353	\$ 13,788,594
Total Loan Fund Balance	22,305,707	5,778,218	5,778,587	38,677,257	71,500,429	102,629,029
Project Reserve	(5,000,000)	(5,000,000)	(5,000,000)	(5,000,000)	(5,000,000)	(5,000,000)
Total Available Loan Funds	17,305,707	778,218	778,587	33,677,257	66,500,429	97,629,029

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ATTACHMENT 2-Financial Status Report

	State Fiscal Year					
STATE REVOLVING FUND (SRF)	2022	2023	2024	2025	2026	2027
Funds Available						
Capitalization Grants Awards (FFY19 - 21)	22,092,801	-	-	-	-	-
State Match (FFY20 - 21)	3,343,000	-	-	-	-	-
Future Capitalization Grants (estimated)	8,400,000	8,400,000	8,400,000	8,400,000	8,400,000	8,400,000
Proposed CAP Grant Increases (estimated)	2,820,000	4,456,250	5,625,000	6,793,750	6,793,750	
Future IJJA Grants (estimated)	9,360,450	10,294,350	11,234,025	12,169,025	12,169,025	
Future State Match (estimated)	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000
Additional State Match Transfers for Cap Grant	564,000	891,250	1,125,000	1,358,750	1,358,750	
Additional State Match for IJJA Grants	936,045	1,029,435	2,246,805	2,433,805	2,433,805	
SRF - 2nd Round	47,402,163	21,687,815	25,805,449	43,826,753	97,013,024	150,376,256
Interest Earnings at 0.4252%	117,573	92,217	109,725	186,351	412,499	639,400
Loan Repayments (5255)	8,864,079	17,484,132	20,400,749	20,164,590	20,115,402	18,678,941
Total Funds Available	105,580,111	66,015,449	76,626,753	97,013,024	150,376,256	179,774,596
Project Obligations						
Central Valley Water Reclamation Facility	(23,300,000)	(6,800,000)	-	-	-	-
Duchesne City	(27,295)	-	-	-	-	-
Moab City	(80,000)	-	-	-	-	-
Provo City	(34,045,000)	(20,000,000)	(8,800,000)	-	-	-
South Salt Lake City (A)	(2,290,000)	(234,000)	-	-	-	-
Millville City	(1,150,000)	-	-	-	-	-
Loan Authorizations						
South Davis Sewer District (with NPS)	(7,000,000)	(7,176,000)	-	-	-	-
Mountain Green	(1,500,000)	(4,000,000)	(1,500,000)			
Payson City		(2,000,000)	(9,500,000)			
Millville	(3,000,000)					
Planned Projects						
Supplement Funding Assistance	(11,500,000)		(13,000,000)			
Total Obligations	(83,892,295)	(40,210,000)	(32,800,000)	-	-	-
SRF Unobligated Funds	\$ 21,687,815	\$ 25,805,449	\$ 43,826,753	\$ 97,013,024	150,376,256	179,774,596
	State Fiscal Year					
UTAH WASTEWATER LOAN FUND (UWLF)	2022	2023	2024	2025	2026	2027

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Funds Available						
UWLF	22,103,880	12,969,341	7,508,544	6,853,430	6,112,009	5,217,708
Sales Tax Revenue	-	3,587,500	3,587,500	3,587,500	3,587,500	3,587,500
Loan Repayments (5260)	1,748,956	2,495,988	2,473,791	2,808,235	2,655,353	2,270,341
Total Funds Available	23,852,836	19,052,829	13,569,835	13,249,164	12,354,863	11,075,549
General Obligations						
State Match Transfers	(5,023,000)	(1,680,000)	(1,680,000)	(1,680,000)	(1,680,000)	(1,680,000)
Additional State Match Transfers for Proposed CAP Grant Increases (estimated)	(564,000)	(891,250)	(1,125,000)	(1,358,750)	(1,358,750)	
Additional State Match Transfers for IJIA Grant	(936,045)	(1,029,435)	(2,246,805)	(2,433,805)	(2,433,805)	
DWQ Administrative Expenses	(1,248,450)	(1,664,600)	(1,664,600)	(1,664,600)	(1,664,600)	(1,664,600)
Project Obligations						
South Salt Lake City (B)	(3,112,000)	(1,779,000)	-	-	-	-
Loan Authorizations						
Spanish Fork	-	(4,500,000)	-	-	-	-
Planned Projects						
None at this time	-	-	-	-	-	-
Total Obligations	(10,883,495)	(11,544,285)	(6,716,405)	(7,137,155)	(7,137,155)	(3,344,600)
UWLF Unobligated Funds	\$ 12,969,341	\$ 7,508,544	\$ 6,853,430	\$ 6,112,009	\$ 5,217,708	\$ 7,730,949
Total Loan Fund Balance	34,657,157	33,313,993	50,680,182	103,125,033	155,593,963	187,505,545
Project Reserve		(5,000,000)	(10,000,000)	(15,000,000)	(20,000,000)	(25,000,000)
Total Available Loan Funds	34,657,157	28,313,993	40,680,182	88,125,033	135,593,963	162,505,545

ATTACHMENT 3-Provo Cost Model

Provo City - Water Quality Board

Project Costs

Land/Right-of-way	\$ -
Legal/Bonding	
DWQ Loan Origination Fee	
Engineering - Design	\$ 4,900,000
CMGC Pre construction Services	\$ -
Engineering - CMS	\$ 7,200,000
Construction	\$ 115,000,000
Contingency (20%)	
Escalation (3%)	
Total Project Cost:	\$ 127,100,000

Project Funding

Local Contribution	\$ 29,300,000
Amount That Needs to be Funded	\$ 97,800,000
WQB Grant	
Total Project Cost:	\$ 127,100,000

Current Customer Base & User Charges

Initial Total Customer (ERU's)	33,424
MAGI for Provo City (2018):	\$31,600
Affordable Monthly Rate at 1.4%	\$36.87
Impact Fee (per ERU):	\$2,371
Current Monthly Fee (per ERU)	\$75.75
Existing Sewer Debt Service	\$660,000
Annual O&M expense	\$6,100,000

Funding Conditions

Loan Repayment Term:	20
Reserve Funding Period:	6

ESTIMATED COST OF SEWER SERVICE

	Principal Forgiveness	WQB Loan	Private Loan Amount	WQB Loan Interest Rate	Private Loan Interest Rate*	WQB Loan Debt Service	WQB Loan Reserve	Private Loan Debt Service	Annual Sewer	Existing Debt Service	Total Annual Sewer Cost	Monthly Sewer Cost/ERU	Sewer Cost as % of MAGI	Financial Burden
Original Authorization \$	2,000,000	75,800,000	20,000,000	0.50%	3.75%	3,992,117	998,029	1,439,242	6,100,000	660,000	13,189,388	32.88	1.25%	MEDIUM
\$7.5million Loan (0.5%)	7,000,000	83,300,000	7,500,000	0.50%	3.75%	4,387,115	1,096,779	539,716	6,100,000	660,000	12,783,610	31.87	1.21%	MEDIUM
\$10.5million Loan (0.50%)	4,000,000	86,300,000	7,500,000	0.50%	3.75%	4,545,115	1,136,279	539,716	6,100,000	660,000	12,981,109	32.36	1.23%	MEDIUM
\$20million Loan (0.5%)		97,800,000	0	0.50%	3.75%	5,150,779	1,287,695	0	6,100,000	660,000	13,198,474	32.91	1.25%	MEDIUM

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ATTACHMENT 4- South Salt Lake Cost Model

South Salt Lake City - Water Quality Board																	
20 Year Loan Static Cost Model (Member Entity Portion of CVWRF Improvements)																	
Project Cost Table					Additional SSL Project Costs					Current Customer Base & User Charges							
2018 Estimate					South Salt Lake Portion of Project \$2,760,000					Current (ERU): 2,621							
Original CVWRF Total Project Cost \$177,059,000					Loan Closing Costs (if there is a loan) \$22,000					MAG (2019 CITY): \$32,300							
Original South Salt Lake City's portion 6.29%					Loan Origination Fee 1% Varies					Sewer Impact Fee (per ERU): \$1,063							
South Salt Lake Portion of Project \$11,137,000					Total Project Cost: \$2,782,000					Monthly User Fee (per ERU/10000 gal): \$9.00							
Contingency Funding \$19,000										User Fee based on 9,000 gal/month \$81.00							
Loan Origination Fee \$92,480										-Current User Fee % MAG 3.01%							
Original SSL Funding \$11,248,000										1.4% MAG User Fee \$37.68							
Updated 2022 Estimates					Project Funding					Projected Annual Sewer O&M Cost							
Updated CVWRF Total Project Cost \$305,000,000					Cash from member entities \$ 21,104,665					Estimated Operating Expenses \$1,558,000							
South Salt Lake City's updated portion 4.60%					Central Valley WQB Loan \$ 81,100,000					Existing Sewer Debt Service \$311,500							
South Salt Lake Portion of Project \$14,030,000					Anticipated Publicly issued bonds @3% \$ 188,851,815					Funding Conditions							
SSL Portion Less Original Funding \$2,874,000					SSL WQB Previously Funded \$ 11,155,520					Loan Repayment Term: 20 years							
SSL Pay GO Self Funding \$114,000					SSL Project Funding Shortfall					Reserve Funding Period: 6 years							
SSL Supplemental Funding Request for BNR \$1,760,000					SSL WQB Additional Project Funding \$ 2,760,000					FNI 2.73							
SSL Supplemental Funding Request for BB \$1,000,000					SSL WQB Additional Closing Funding Varies												
Total SSL Supplemental Funding Need less Closing Costs \$2,760,000																	
Summary of 3 supplemental Funding Options																	
New Funding					Previously Funded					Existing System Costs		Evaluation of Sewer Costs and Burden					Note: (~ is Approximate)
WQB Grant Amount	WQB Loan Amount	Loan Interest Rate	Loan Debt Service	Loan Reserve	WQB Grant Amount	WQB Loan Amount	WQB Loan Interest Rate	WQB Loan Debt Service	WQB Loan Reserve	Annual Sewer O&M Cost	Existing Sewer Debt Service	Total Annual Sewer Cost	Monthly Sewer Cost ERU	Sewer Cost as a % of MAG	Financial Burden	~ User Cost Per 1,000 Gallons	
\$1,760,000	\$1,032,000	2.5%	\$66,200	\$16,550	\$2,000,000	\$9,248,000	0.0%	\$462,400	\$311,500	\$1,558,000	\$185,000	\$2,599,650	\$82.65	3.07%	Hg h	\$8.42	
\$1,760,000	\$1,032,000	0.0%	\$51,600	\$12,900	\$2,000,000	\$9,248,000	0.0%	\$462,400	\$311,500	\$1,558,000	\$185,000	\$2,581,400	\$82.07	3.05%	Hg h	\$8.36	
\$0	\$2,810,000	0.0%	\$140,500	\$35,125	\$2,000,000	\$9,248,000	0.0%	\$462,400	\$311,500	\$1,558,000	\$185,000	\$2,692,525	\$85.61	3.18%	Hg h	\$8.72	
ALL NEW FUNDING THROUGH WQB																	
New Funding					Previously Funded					Existing System Costs		Evaluation of Sewer Costs and Burden					Note: (~ is Approximate)
WQB Grant Amount	WQB Loan Amount	WQB Loan Interest Rate	WQB Loan Debt Service	WQB Loan Reserve	WQB Grant Amount	WQB Loan Amount	WQB Loan Interest Rate	WQB Loan Debt Service	WQB Loan Reserve	Annual Sewer O&M Cost	Existing Sewer Debt Service	Total Annual Sewer Cost	Monthly Sewer Cost ERU	Sewer Cost as a % of MAG	Financial Burden	~ User Cost Per 1,000 Gallons	
\$0	\$2,810,000	0.0%	\$140,500	\$35,125	\$2,000,000	\$9,248,000	0.0%	\$462,400	\$311,500	\$1,558,000	\$185,000	\$2,692,525	\$85.61	3.18%	Hg h	\$8.72	
\$500,000	\$2,305,000	0.0%	\$115,250	\$28,813	\$2,000,000	\$9,248,000	0.0%	\$462,400	\$311,500	\$1,558,000	\$185,000	\$2,660,963	\$84.60	3.14%	Hg h	\$8.61	
\$1,000,000	\$1,800,000	0.0%	\$90,000	\$22,500	\$2,000,000	\$9,248,000	0.0%	\$462,400	\$311,500	\$1,558,000	\$185,000	\$2,629,400	\$83.60	3.11%	Hg h	\$8.51	
\$1,500,000	\$1,295,000	0.0%	\$64,750	\$16,188	\$2,000,000	\$9,248,000	0.0%	\$462,400	\$311,500	\$1,558,000	\$185,000	\$2,597,838	\$82.60	3.07%	Hg h	\$8.41	
\$1,760,000	\$1,032,000	0.0%	\$51,600	\$12,900	\$2,000,000	\$9,248,000	0.0%	\$462,400	\$311,500	\$1,558,000	\$185,000	\$2,581,400	\$82.07	3.05%	Hg h	\$8.36	
\$2,760,000	\$0	0.0%	\$0	\$0	\$2,000,000	\$9,248,000	0.0%	\$462,400	\$311,500	\$1,558,000	\$185,000	\$2,516,900	\$80.02	2.97%	Hg h	\$8.15	
GRANT WITH FUNDING THROUGH PARTICIPATING IN CVWRF BONDS (Varies, but 2.5% used for discussion purposes)																	
WQB Grant Amount	Market Loan Amount	Market Loan Interest Rate	WQB Loan Debt Service	WQB Loan Reserve	WQB Grant Amount	WQB Loan Amount	WQB Loan Interest Rate	WQB Loan Debt Service	WQB Loan Reserve	Annual Sewer O&M Cost	Existing Sewer Debt Service	Total Annual Sewer Cost	Monthly Sewer Cost ERU	Sewer Cost as a % of MAG	Financial Burden	~ User Cost Per 1,000 Gallons	
\$0	\$2,810,000	2.5%	\$180,253	\$45,063	\$2,000,000	\$9,248,000	0.0%	\$462,400	\$311,500	\$1,558,000	\$185,000	\$2,742,217	\$87.19	3.24%	Hg h	\$8.88	
\$500,000	\$2,305,000	2.5%	\$147,859	\$36,965	\$2,000,000	\$9,248,000	0.0%	\$462,400	\$311,500	\$1,558,000	\$185,000	\$2,701,724	\$85.90	3.19%	Hg h	\$8.75	
\$1,000,000	\$1,800,000	2.5%	\$115,465	\$28,866	\$2,000,000	\$9,248,000	0.0%	\$462,400	\$311,500	\$1,558,000	\$185,000	\$2,661,231	\$84.61	3.14%	Hg h	\$8.62	
\$1,500,000	\$1,295,000	2.5%	\$83,071	\$20,768	\$2,000,000	\$9,248,000	0.0%	\$462,400	\$311,500	\$1,558,000	\$185,000	\$2,620,738	\$83.33	3.10%	Hg h	\$8.48	
\$1,760,000	\$1,032,000	2.5%	\$66,200	\$16,550	\$2,000,000	\$9,248,000	0.0%	\$462,400	\$311,500	\$1,558,000	\$185,000	\$2,599,650	\$82.65	3.07%	Hg h	\$8.42	

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ATTACHMENT 5- Payson Cost Model

**Payson City - Water Quality Board
 30 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	\$	1,927,000
CMGC Preconstruction Services	\$	228,000
Engineering - CMS	\$	2,500,000
Construction	\$	42,300,000
Contingency (20%)	\$	8,400,000
Escalation (3%)	\$	1,300,000
Total Project Cost:	\$	57,085,000

Current Customer Base & User Charges

Initial Total Customer (ERU's)	8,200	
MAGI for Payson City (2018):	\$46,000	
Affordable Monthly Rate at 1.4%	\$53.67	
Impact Fee (per ERU):	\$2,066	
Current Monthly Fee (per ERU)	\$42.58	avg monthly bill
2025 Sewer Debt Service	\$480,000	in year 2025
Annual O&M expense	\$3,200,000	in year 2025

Project Funding

Local Contribution	\$	2,155,000
Loan	\$	54,930,000
WQB Grant	\$	-
Total Project Cost:	\$	57,085,000

No CIB funding

Funding Conditions

Loan Repayment Term:	30
Reserve Funding Period:	6

ESTIMATED COST OF SEWER SERVICE

Funding Option	Principal Forgiveness	WQB Loan	Private Loan Amount	WQB Loan Interest Rate	Private Loan Interest Rate*	WQB Loan Debt Service	WQB Loan Reserve	Private Loan Debt Service	Annual Sewer	Existing Debt Service	Total Annual Sewer Cost	Monthly Sewer Cost/ ERU	Sewer Cost as % of MAGI	Financial Burden
Original Authorization		11,500,000	43,430,000	1.11%	2.55%	452,798	113,200	2,088,841	3,200,000	480000	6,334,839	64.38	1.68%	MEDIUM
\$5million Loan (0.50%)		16,500,000	38,430,000	0.50%	2.55%	593,652	148,413	1,848,357	3,200,000	480000	6,270,423	63.72	1.66%	MEDIUM
\$5million Loan (1.11%)		16,500,000	38,430,000	1.11%	2.55%	649,667	162,417	1,848,357	3,200,000	480000	6,340,441	64.44	1.68%	MEDIUM
\$3million Loan (0.50%)+\$2million PF	2,000,000	14,500,000	38,430,000	0.50%	2.55%	521,694	130,424	1,848,357	3,200,000	480000	6,180,475	62.81	1.64%	MEDIUM
\$3million Loan (0.50%)+\$2million PF	2,000,000	14,500,000	38,430,000	1.11%	2.55%	570,920	142,730	1,848,357	3,200,000	480000	6,242,007	63.44	1.65%	MEDIUM
\$5million Loan (0.50%)+\$2million PF	2,000,000	16,500,000	36,430,000	0.50%	2.55%	593,652	148,413	1,752,164	3,200,000	480000	6,174,229	62.75	1.64%	MEDIUM
\$5million Loan (1.11%)+\$2million PF	2,000,000	16,500,000	36,430,000	1.11%	2.55%	649,667	162,417	1,752,164	3,200,000	480000	6,244,248	63.46	1.66%	MEDIUM
Half Funded Loan (0.5%)		27,465,000	27,465,000	0.50%	2.55%	988,161	247,040	1,320,977	3,200,000	480000	6,236,178	63.38	1.65%	MEDIUM
Half Funded Loan (1.11%)		27,465,000	27,465,000	1.11%	2.55%	1,081,400	270,350	1,320,977	3,200,000	480000	6,352,727	64.56	1.68%	MEDIUM

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ATTACHMENT 6- Millville Cost Model

Project Costs	Collection	Laterals
Legal/Bonding	\$ 42,000	
DWQ Loan Origination Fee	\$ 5,000	
Collection Sewers	\$ 22,657,757	
Laterals		\$ 1,887,900
Septic Tank Abandonment		\$ 1,386,120
Engineering, CMS, & Environmental	\$ 1,100,000	\$ 350,000
Contingency (approx 10% const.)	\$ 2,299,018	\$ 332,205
Subtotals	\$ 26,103,775	\$ 3,956,225
Total Project Cost:		30,060,000

Existing Sewer Debt Service (UWLF)	\$151,768
UWLF Existing Debt Payment	\$16,128
Current Monthly User Fee (per ERU)	\$2.00

WQB Funding Conditions	
Loan Repayment Term:	30
Reserve Funding Period:	6
2021 Loan interest rate	0%

Current Customer Base & User Charges

ERU's	672
MAGI (2019):	\$60,500
Monthly Rate at 1.4%	\$70.58
Impact Fee (per ERU):	2,450
Existing O&M expenses Treatment & Collection	\$0
New O&M expenses Treatment & Collection	\$334,495

RD 2020 Series Loan to Refinance

Loan Repayment Term:	40
2020 Loan interest rate	1.50%

RD 2021 Series Loan (includes Lateral Funding)

Loan Repayment Term:	40
2021 Loan interest rate	1.75%

Project Funding	Collections	Laterals
Applicant Contribution		\$ -
WQB Principle forgiveness for Collections	\$ 2,000,000	
WQB Loan	\$ 500,000	
WQB Principle forgiveness for Collections	\$ 2,500,000	
WQB Hardship Grant - for lateral		\$ 1,000,000
RD funding - 2020 loan	\$ 5,011,000	
RD funding - 2020 grant	\$ 2,949,000	
RD funding - 2021 loan	7,926,265	1,773,735
RD funding - 2021 grant	5,217,510	1,182,490
Total Project	\$ 26,103,775	\$ 3,956,225

RD Reserve

		Per Month
Short Lived Asset Reserve (annual)	16,400	2.03
Bond Payment Reserve (BPR) Loan 1	167,503	2.08
Bond Payment Reserve (BPR) Loan 2	339,229	4.21
Reserve Funding Period (years)	10	

ESTIMATED COST OF SEWER SERVICE* (Lateral on private property ARE included in the cost model but only paid for under the 2021 DWQ HGF and 2021 RD Package)

2021 WQB			2022 WQB Refinance			2020 USDA-RD		2021 USDA-RD		Loan Debt Service	Assumed RE Reserve	Total Annual Sewer Cost	Monthly Sewer Cost/ERU	Sewer Cost as a % of MAGI	Financial Burden
HGF	Loan	PF	HGF	Loan	PF	Grant	Loan	Grant	Loan *						
Current Deal															
1,000,000	500,000	4,500,000				2,949,000	5,011,000	6,400,000	9,700,000	527,566	50,673	928,862	115.19	2.28%	Medium
DWQ Refinance															
1,000,000	500,000	4,500,000	151,768	5,011,000	0	2,949,000	0	6,400,000	9,700,000	568,854	33,923	937,272	116.23	2.31%	Medium
1,000,000	500,000	4,500,000	151,768	4,011,000	1,000,000	2,949,000	0	6,400,000	9,700,000	527,188	33,923	895,605	111.06	2.20%	Medium
1,000,000	500,000	4,500,000	151,768	3,011,000	2,000,000	2,949,000	0	6,400,000	9,700,000	485,521	33,923	853,939	105.90	2.10%	Medium
1,000,000	500,000	4,500,000	151,768	2,011,000	3,000,000	2,949,000	0	6,400,000	9,700,000	443,854	33,923	812,272	100.73	2.00%	Medium
1,000,000	500,000	4,500,000	151,768	1,761,000	3,250,000	2,949,000	0	6,400,000	9,700,000	433,438	33,923	801,855	99.44	1.97%	Medium
1,000,000	500,000	4,500,000	151,768	1,511,000	3,500,000	2,949,000	0	6,400,000	9,700,000	423,021	33,923	791,439	98.14	1.95%	Medium
1,000,000	500,000	4,500,000	151,768	1,261,000	3,750,000	2,949,000	0	6,400,000	9,700,000	412,604	33,923	781,022	96.85	1.92%	Medium
1,000,000	500,000	4,500,000	151,768	1,011,000	4,000,000	2,949,000	0	6,400,000	9,700,000	402,188	33,923	770,605	95.56	1.90%	Medium
1,000,000	500,000	4,500,000	151,768	761,000	4,250,000	2,949,000	0	6,400,000	9,700,000	391,771	33,923	760,189	94.27	1.87%	Medium
1,000,000	500,000	4,500,000	151,768	511,000	4,500,000	2,949,000	0	6,400,000	9,700,000	381,354	33,923	749,772	92.98	1.84%	Medium