

Drinking Water Board Packet

July 21, 2022

Agenda



State of Utah

SPENCER J. COX
Governor

DEIDRE HENDERSON
Lieutenant Governor

Department of Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF DRINKING WATER
Tim Davis
Director

Drinking Water Board

Kristi Bell, Chair
Eric Franson, P.E., Vice-Chair
Dawn Ramsey
Jeff Coombs
David O. Pitcher
Blake Tullis, Ph.D.
Kimberly D. Shelley
Tim Davis
Executive Secretary

DRINKING WATER BOARD MEETING

July 21, 2022 1:00 PM

Via Zoom Webinar

Tim Davis Cell # 385-226-6511

1. Call to Order
2. Roll Call – Michael Grange
3. Disclosure for Conflict of Interest
4. Financial Assistance Committee Report
 - A. Status Report – Michael Grange
 - B. Project Priority List – Michael Grange
 - C. SRF Applications
 - i) 6.7.22 TABLED FEDERAL PROJECTS
 - a. Johnson WID – Elisa Brawley
 - b. Levan Town – Skye Sieber
 - ii) STATE
 - a. Uintah Town – Heather Pattee
 - b. Cedarview Montwell – Skye Sieber
 - c. Manila – Skye Sieber
 - d. Hoytsville – Elisa Brawley
 - iii) FEDERAL
 - a. South Duchesne – Elisa Brawley
 - b. Beaver City – Heather Pattee
 - c. Timber Lakes – Elisa Brawley
 - d. Moroni City – Skye Sieber
 - e. Canyon Meadows – Heather Pattee
 - f. Granger Hunter ID – Michael Grange
 - g. Helper City – Elisa Brawley
 - h. Provo City – Skye Sieber
 - i. Holden Town – Heather Pattee
 - j. Scipio – Skye Sieber
 - k. Pinion Forest SSD – Heather Pattee
 - l. Daniel Town – Deauthorization – Heather Pattee

5. Public Comment Period

6. Open Board Discussion

7. Other

8. Next Board Meeting

Date: Wednesday August 31, 2022

Time: 9:00 AM

Place: Davis Conference Center / Zoom Webinar
1651 N 700 W
Layton, UT 84041

9. Adjourn

Agenda Item

4(A)

DIVISION OF DRINKING WATER

FEDERAL SRF

AS OF May 31, 2022

FIRST ROUND FUND	
1997 thru 2021 SRF Grants	
Net Federal SRF Grants:	\$196,032,661
Total State Matches:	\$45,673,300
Closed Loans:	-\$241,705,961
Total Grant Dollars:	\$0

FEDERAL SECOND ROUND FUND	
Principal Repayments	Earnings on Invested Cash Balance
Principal (P):	\$63,147,931
Interest (I):	\$22,009,346
Total P & I:	\$85,157,277
	Total: \$994,213

Hardship Fund
Total: \$1,403,259

SUMMARY	
Total Federal State Revolving Fund:	\$86,151,490
Total Federal Hardship Fund:	\$1,403,259
Subtotal:	\$87,554,748
Less:	
Authorized & Partially Disbursed Closed Loans:	\$68,883,006
Authorized Federal Hardship:	\$259,760
Subtotal:	\$69,142,766
LESS AUTHORIZED & PARTIALLY DISBURSED	
PROPOSED	
Proposed Federal Project(s):	\$79,893,549
Proposed Federal Hardship Project(s):	\$0
Subtotal:	\$79,893,549

AS OF:	May 31, 2022	TOTAL REMAINING LOAN FUNDS:	-\$62,625,065
		TOTAL REMAINING HARDSHIP FUNDS:	\$1,143,499

Total Balance of ALL Funds after deducting proposed actions: -\$61,481,567

Projected Receipts thru June 1, 2023	
2022 Fed SRF Grant & State Match	\$20,361,530
Interest on Investments	\$367,200
Principal Payments	\$8,400,603
Interest	\$793,503
Hardship & Technical Assistance fees	\$871,338
Fund 5215 principal payments	\$111,200
Total:	\$30,905,373

Receive 60% in January

Total Estimated Federal SRF Funds Available through: 06/01/2023 -\$30,576,194

Subsidization Requirements - Base Program					
Grant Year	Minimum	Maximum	Closed Subsidy	Authorized/Not Closed Subsidy	Status
2021	\$2,200,200	\$5,390,490	\$809,868	\$12,640,606	INCOMPLETE
2022					COMPLETE
Total:	\$2,200,200	\$5,390,490	\$809,868	\$12,640,606	

**DIVISION OF DRINKING WATER
FEDERAL SRF LOAN FUNDS
AS OF May 31, 2022**

	Loan Funds 1st Round	Loan Payments			TOTAL
		2nd Round		Hardship Fund	
		Principal	Interest		
Federal Capitalization Grants and State 20% match	\$241,705,961				
Earnings on Invested 1st Round Funds			994,213		
Repayments (including interest earnings on 2nd round receipts)		63,147,931	22,009,346	1,403,259	329,260,709
Less:					
Closed loans and grants	-241,705,961				-241,705,961
SUBTOTAL of Funds Available	\$0	\$63,147,931	\$23,003,559	\$1,403,259	\$87,554,748
Loans & Grants authorized but not yet closed or fully disbursed	-32,378,606	-34,904,000	-1,600,400	-259,760	-69,142,766
SUBTOTAL of Funds Available less Authorized	-\$32,378,606	\$28,243,931	\$21,403,159	\$1,143,499	\$18,411,982
Future Estimates:					
Proposed Loans/Grants for current board package	-79,893,549			0	-79,893,549
SUBTOTAL of Funds Available less Proposed Loans & Grants	-\$112,272,155	\$28,243,931	\$21,403,159	\$1,143,499	-\$61,481,567
PROJECTIONS THRU June-2023					
2022 BIL Supplemental & Match	14,124,410				
2022 FED Base SRF Grant & State Match	6,237,120				
Projected repayments & revenue during the next twelve months		8,511,803	793,503	871,338	10,176,643
Projected annual investment earnings on invested cash balance		276,000	84,000	7,200	367,200
TOTAL	-\$91,910,625	\$37,031,733	\$22,280,662	\$2,022,036	-\$30,576,194

DIVISION OF DRINKING WATER

ARPA Grant FUNDS

AS OF May 31, 2022

SUMMARY		
	FY21 ARPA Appropriation:	\$25,000,000
	FY22 ARPA Appropriation:	\$25,000,000
	Subtotal:	\$50,000,000
LESS AUTHORIZED	Less:	
	Authorized Grants & Closed Grants in Construction:	\$40,884,116
	Subtotal:	\$40,884,116
	Total available after Authorized deducted	\$9,115,884
PROPOSED	Proposed Loan Project(s):	\$8,416,500
	Subtotal:	\$8,416,500
AS OF:		
May 31, 2022	TOTAL REMAINING ARPA GRANT FUNDS:	\$699,384

Total Balance of Funds: **\$699,384**

Projected Receipts Next Twelve Months:
FY2023 Appropriation and Federal Funding
Total Projections \$0

Total Estimated ARPA Funds Available through 06-01-2023	\$699,384
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DIVISION OF DRINKING WATER
ARPA Grant FUNDS
PROJECTS AUTHORIZED BUT NOT YET CLOSED
AS OF May 31, 2022

Community	Grant #	Date	Date	Grant	Total
		Authorized	Closed/Anticipated		
Church Wells(ARPA)	3F1824	Jan-22		2,252,000	2,252,000
Circleville Town	3F1825	Jan-22		3,500,000	3,500,000
Cannonville Town	3F1838	Mar-22		2,360,676	2,360,676
Tridell Lapoint SSD	3S1836	Mar-22		3,500,000	3,500,000
Brian Head Town	3F1861	Jun-22		507,870	507,870
North Emery SSD	3F1863	Jun-22		1,538,000	1,538,000
Myton City	3F1864	Jun-22		650,000	650,000
Ouray Park	3F1866	Jun-22		2,871,000	2,871,000
Pinion Forrest SSD	3F1844	Jun-22		299,000	299,000
Dagget Co - Dutch John	3F1857	Jun-22		3,500,000	3,500,000
New Paria	3F1852	Jun-22		3,359,000	3,359,000
Clark Bench	3F1853	Jun-22		3,444,000	3,444,000
Austin SSD	3F1803	Jun-22		3,255,110	3,255,110
Axtell SSD	3F1845	Jun-22		2,269,000	2,269,000
Desert Sage	3F1859	Jun-22		578,460	578,460
Lead in Schools		Jan-22		3,500,000	3,500,000
Westwater Community	Construction Project is pending.			3,500,000	3,500,000
Subtotal Loans and Grants Authorized				40,884,116	40,884,116
GRANTS IN PROCESS					
TOTAL AUTHORIZED Grant/OR CLOSED BUT NOT YET FUNDED				\$40,884,116	\$40,884,116
PROPOSED PROJECTS FOR July 2022					
Cedarview Montwell	3S1869			3,500,000	3,500,000
South Duchesne Culinary Water	3F1879			1,500,500	1,500,500
Helper	3F1880			3,416,000	3,416,000
					0
					0
					0
Total Proposed Projects				8,416,500	8,416,500

Agenda Item 4(B)

**DRINKING WATER BOARD
BOARD PACKET FOR PROJECT PRIORITY LIST**

There are fifteen new projects being added to the project priority list:

Uintah Town scored 49.6 priority rating points. Their project will be to build two new 375,000 gallon water tanks with associated appurtenances.

Beaver City scored 45.4 priority rating points. Their project is to replace 10,000 feet of old and inadequate distribution line, 2,200 feet of deteriorating pipeline, construct a well house over an existing well and replace the roof of a well building

South Dushesne scored 43.8 priority rating points. Their project consists of abandoning the 30,000 gallon tank, new PRV valve and vault, main line, meters, SCADA.

Timber Lakes scored 42.6 priority rating points. Their project will address new master meters, distribution line upgrade, redevelop spring, spring pump station, and 100K-gallon tank.

Moroni Additional Funding (new loan) scored 35.3 project priority points. Their new loan would include additional funding to complete a 500k-gal tank, overflow line, and PRV upgrades.

Canyon Meadows scored 35.1 priority rating points. Canyon Meadows was authorized funding in the amount of a loan of \$2,725,000 at 1.0% HGA fee for 30 years with \$550,000 in principal forgiveness on January 15, 2019. This was for a project consisting of a transmission line, distribution line with fire hydrants, 150,000-gallon tank and water treatment plant.

Granger Hunter Improvement District scored 31.2 priority rating points. Their project is to replace the waterline and booster pump station.

Helper scored 19.0 priority rating points. Their project includes replacing 5.9 mi of distribution line, well rehabilitation, meter replacement, storage tank rehabilitation, SCADA

Cedarview Montwell scored 17.5 priority rating points. Their project is to construct a 9-mile transmission line that will connect the distribution system to their primary source, the Victory Pipeline. This is a regionalization project.

Provo scored 15.1 priority rating points. Their project will construct ASR Phase II: 20 MGD Water treatment plant and 2,850-foot transmission line.

Scipio scored 11.5 priority rating points. Their project will address spring redevelopment.

Manila scored 11.4 priority rating points. Their project will include inspecting and refurbishing three existing culinary wells and replacing equipment for those wells.

Pinion Forest SSD Phase 1 scored 11.3 priority rating points. Their project is to install a 500kgallon storage tank, 59k of transmission line, 2 pump stations, and 7 PRV stations.

Holden scored 9.8 priority rating points. Their project will drill a new well, install a transmission line, construct a new 500,000 gallon tank, redundant tank distribution line, meter upgrades and upgrades to the chlorination.

Hoytsville scored 5.6 priority rating points. Their project consists of a 400,000 gallon tank and transmission line.

FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION:

The Drinking Water Board approve the updated Project Priority List.

Utah Federal SRF Program

Project Priority List

					Priority Points	Project Priority List								
						Authorized								
						Total Unmet Needs:		\$783,194,904		Total Needs, incl. Recent funding		\$711,090,990		\$508,748,965
	date	BIL \$	type	%Green	System Name	County	Pop.	ProjectTitle	Project Total	SRF Assistance	BIL funds authorized	Funds Authorized		
N					99.3	M&J Trailer Home	Box Elder	27	New well, tank, dist line, arsenic tmnt	\$1,660,000.00	\$1,540,000			
N					76.1	Daggett Co - Dutch John	Daggett	140	1M-gallon raw water tank, new water treatment plant	\$5,190,000.00	\$3,500,000			
N					65.8	Brian Head Town	Iron	165	Install new transmission line/fire hydrants along Snow Shoe I	\$857,986.00	\$507,870			
N					64.4	Johnson WID	Uintah	1,880	upgrading 24,000 ft undersized waterlines	\$2,452,000.00	\$2,352,000			
N					63.6	Roosevelt City	Duchesne	6,800	pipeline replacement, lining of DI pipe, new pipe to bypass ta	\$2,951,400.00	\$2,841,400			
N					48.6	Escalante	Garfield	800	spring redevelopment, collection box, source protection	\$87,000.00	\$39,400			
N					48.5	Pinion Forest SSD	Duchesne	640	Water treatement improvements: chlorination and adressing	\$300,000.00	\$300,000			
N					42.6	Levan	Juab	862	lead-joined Iron service line upgrades	\$2,895,000.00	\$2,866,050			
N					42.4	New Paria	Kane	35	new well, tank, waterline, and meters in prep to regionalize w	\$3,379,000.00	\$3,359,000			
N					33.8	Austin SSD	Sevier	272	Regionalization Project incl. waterline replacement & hydrant	\$3,210,000.00	\$2,705,000			
N					31.6	Clark Bench	Kane	27	new tank, upgrade pump station, waterline replacement and	\$3,464,000.00	\$3,444,000			
N					26.7	North Emery SSD	Emery	1,500	new 250,000-gallon tank, replace PRV vaults, replace 4000 f	\$2,550,000.00	\$2,050,000			
N					22.6	Lynndyl Town	Millard	110	purchase property, new infrastructure, water rights, etc.	\$1,744,152	\$1,744,152			
N					21.3	Bear River WCD	Box Elder		3 production well and well houses, pumphouse and pipeline (	\$6,251,400	\$2,440,000			
N					17.4	Axtell SSD	Sanpete	280	New Spring, 30,000 ft of 8 inch spring line	\$3,465,110	\$3,255,110			
N					13.5	Desert Sage AVWID	Uintah	55	Watermain replacement, hydrants, meters, service line repla	\$598,460	\$578,460			
N					10.4	Panguitch	Garfield	1,730	9000 lf 10-in mainline, valves, hydrants, connect to existing c	\$1,629,000	\$1,609,000			
N					10.4	Myton Town	Duchesne	590	New waterline and connections, hydrants.	\$650,000	\$650,000			
N					9.8	Holden Town	Millard	450	New well, tank, dist lines, meters, chlorination upgrades	\$6,721,000	\$6,571,000			
N					0	Henefer (Secondary Irrigation)	Summit	1,025	Secondary irrigation	\$2,100,000	\$2,100,000			
A						Blanding City - Westwater #2	San Juan	3,760	Planning and design for westwater community	\$5,683,073	\$340,984	\$340,984		
A						San Juan Co. - NTUA Westwater #2	San Juan	24	Planning and design advance for westwater project	\$4,355,105	\$457,000	\$457,000		
A					110.6	Wellington	Carbon	1,676	replace asbestos pipe, PRV station, meter replacement	\$7,580,170	\$1,717,000	\$1,717,000		
A					105.6	East Carbon City	Carbon	1,600	1.5 MGD conventional treatment plant	\$3,650,000	\$1,989,000	\$1,989,000		
A					62.6	High Valley Water Co.	Summit	850	2 PRV, new mailine, service connections, meters, hydrants	\$3,609,000	\$3,309,000	\$3,309,000		
A					53.3	Daniel Town / Storm Haven	Wasatch	499	New tank, pump house, upgrade distribution lines	\$5,792,000	\$5,692,000	\$5,692,000		
A					47.1	Irontown	Iron	65	upgrade/replace distribution, hydrants, & meters	\$1,736,000	\$1,635,000	\$1,635,000		
A					42.4	Church Wells (ARPA Grant)	Kane	200	300K tank, pipes, meters, SCADA, pump, repair well	\$2,262,000	\$2,252,000	\$2,252,000		
A					38.3	Circleville Town (Incl. ARPA Grant)	Piute	488	300K tank, well, spring redevelopment	\$4,270,000	\$3,970,000	\$3,970,000		
A					36.3	Cornish Town	Cache	270	well house, RO/Chlorine Treatment, Booster, 250K tank	\$1,704,922	\$1,504,922	\$1,504,922		
A					36.1	East Grouse Creek	Box Elder	70	Chlorination syst, meters, backflow preventers, air/vac	\$343,220	\$340,000	\$340,000		
A					31.7	Weber Meadow View Ranches	Summit	65	150K tank, waterlines, hydrants, PRV station, well pump upg	\$2,158,400	\$2,100,000	\$2,100,000		
A					26.6	Elk Meadows SSD	Beaver	303	New: Line, hydrants, isolation valves, PRV stations	\$1,660,000	\$1,660,000	\$1,660,000		
A					24.7	Spring Creek Water Users	Iron	204	New Well	\$542,000	\$516,000	\$323,800		

Project Priority List

Authorized

\$508,748,965

	date	BIL \$	type	%Green	Priority	System Name	County	Pop.	ProjectTitle	Project Total	SRF Assistance	BIL funds authorized	Funds Authorized
A					24.5	Covered Bridge HOA	Utah	280	Watermain & service connection replacement, meters, hydrants	\$714,000	\$694,000		\$694,000
A					23	Bicknell Town	Wayne	380	300-k gal concrete storage tank, New Well	\$2,278,000	\$2,178,000		\$2,178,000
A					22.9	Powder Mountain WSID	Wasatch	1,100	engineer study, pump house, lines, PRV station, hydrants	\$1,397,000	\$1,397,000		\$1,397,000
A					21	Skyline Mountain SSD	Sanpete	225	41K tank and well house, impact fee study, loan refi.	\$3,123,000	\$3,123,000		\$3,123,000
A					20	Ephraim City	Sanpete	6,135	well, wellhouse, chlorinator, new line	\$2,560,000	\$500,000		\$500,000
A					14.9	Heber City	Wasatch	14,969	waterline replacement, hydrants, service connections	\$12,945,000	\$12,340,000		\$123,400,000
A					11.5	Bristlecone	Garfield	180	SCADA, drainage and overflow relocation	\$93,500	\$93,500		\$93,500
A					7.9	Little Meadow Estates	Piute	45	booster, chlorination, pressure reducing station, storage	\$246,000	\$246,000		\$246,000
A					7.5	Enoch City	Iron	6,500	New 2M Gallon steel tank	\$1,639,440	\$645,000		\$645,000
A					7	Genola	Utah	1,500	Tank and well	\$4,884,400	\$2,849,400		\$2,849,400
A					6.5	Bridgerland Water Co.	Rich	240	Connect to Garden City system, 2 booster stations, SCADA,	\$1,128,170	\$1,350,000		\$1,350,000

N = New Application

A = Authorized

P = Potential Project- no application

E= **Energy Efficiency**

W= Water Efficiency

G= Green Infrastructure

I= Environmentally Innovative

EMERGENCY FUNDING

[illegible]

Agenda Item

4(C)(i)(a)

DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION ASSISTANCE

APPLICANT'S REQUEST

Johnson Water Improvement District is proposing to install a main line and upgrade water lines for the Independence area of the District. This project addresses a public health issue and a compliance issue as well as consolidating the Independence area into the greater Johnson WID service area. This project scores 64.4 points on the Project Priority List.

The total project cost is estimated at \$2,452,000. The District is contributing \$100,000 towards this project and requests the full balance of **\$2,352,000 from the Drinking Water Board.**

STAFF COMMENTS

Johnson Water serves approximately 1,880 residents with 766 residential connections. The weighted Median Adjusted Gross Income (MAGI) for the service area is \$36,120 which is 78% of the State MAGI. The after-project residential water bill at a full loan for 30 years would be \$82.66 or 2.75% of the local MAGI.

Based on population, rural location, and local MAGI, the District qualifies for additional subsidy.

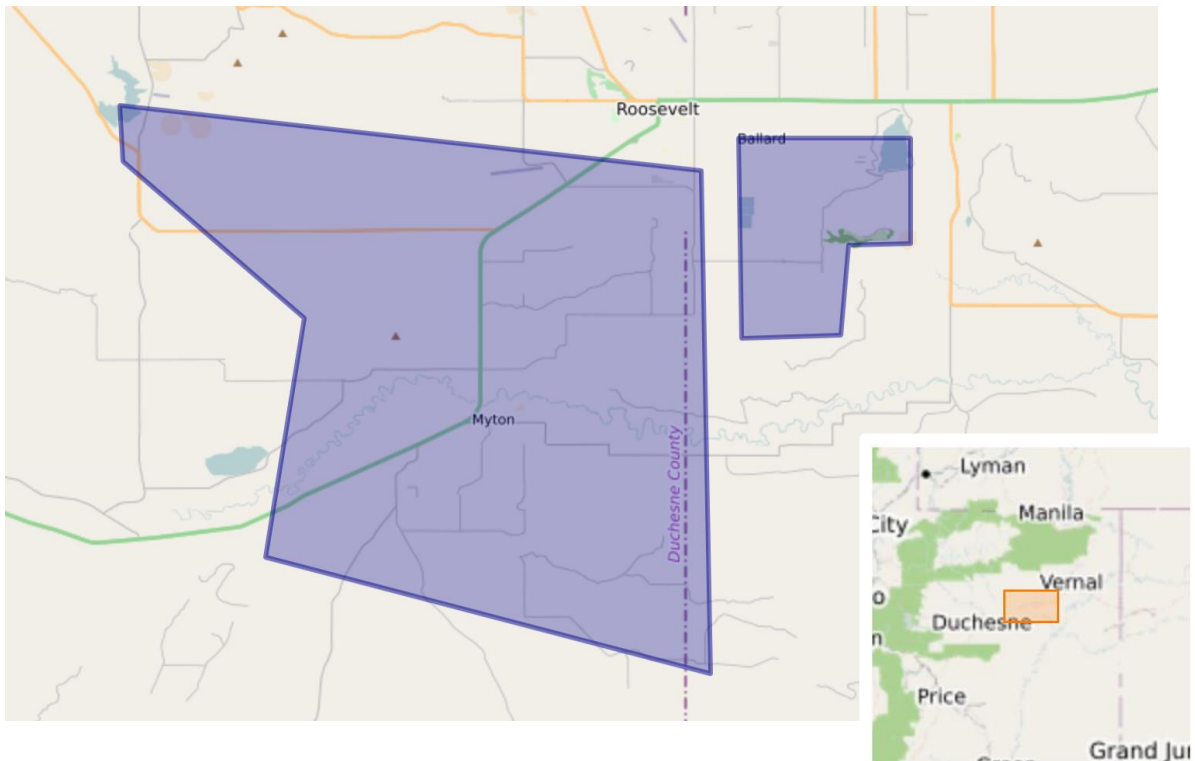
Option	Loan / Grant	Loan	Grant	Term	Interest	Water Bill	% Local MAGI
Base	100 / 0	\$2,352,000	\$0	30 yrs	2.13%	\$82.66	2.75%
2	100 / 0	\$2,352,000	\$0	30 yrs	0%	\$79.10	2.63%
3	0 / 100	\$0	\$2,352,000			\$69.29	2.30%

STAFF RECOMMENDATION

Staff defers a funding recommendation to the Drinking Water Board.

APPLICANT'S LOCATION

Johnson Water Improvement District serves a portion of Roosevelt City, and much of the area outside Roosevelt, including delivering water to Myton City Water System, the Myton surrounding area, Pleasant Valley, Ioka, Upalco, Pheasant Meadows, Independence, and North Myton Bench. Construction in the Independence Area is located in Uintah County, near Ballard.



PROJECT DESCRIPTION

The Independence area of the Johnson Water Improvement District distribution system currently supplies water to 52 of the JWID Connections. This area is also isolated from the rest of the system with its own supply and storage. In the Independence area, the majority of the water mains are 4" or smaller PVC that have been in place for nearly 50 years. These water lines are too small to add additional connections to and they have been failing more and more in the past few years. In the 2019 Water Master Plan, it was determined that the Independence area was not providing the state minimum pressures for connections during peak demands. This project would add a water main to connect the independence area with the rest of the system to the west to provide additional supply to the area. It would also replace the aging, undersized lines within the Independence area to ensure sustainable drinking water delivery to the residents in that area.

POPULATION GROWTH

Projected population and connections for Johnson Water is based on a 1.0% growth rate:

Year	Population	Connections
2022	1,880	766
2042	2,294	935

IMPLEMENTATION SCHEDULE

DWB Authorization	July 2022
Complete Design	September 2022
DDW Plan Approval	October 2022
Advertise for Bids	October 2022
Bid Opening/Loan Closing	December 2022
Begin Construction	March 2023
Complete Construction/DDW Permit	July 2023

COST ESTIMATE

Legal/Bonding	\$ 6,200	
Administrative	\$ 10,000	
Engineering – Design/Permitting	\$ 160,400	} 13%
Engineering – CMS	\$ 158,400	
Construction – Distribution	\$ 1,760,200	
Contingency	\$ 316,800	13%
Land Acquisition	\$40,000	
Total Project Cost	\$ 2,452,000	

COST ALLOCATION

Funding Source	Cost Sharing	Percent of Project
Local Contribution	\$ 100,000	4%
DWB (TBD)	\$ 2,352,000	96%
Total Amount	\$ 2,452,000	100%

IPS SUMMARY

Code	Description	Physical Facilities	Quality & Monitoring	Significant Deficiencies
Johnson Water District : 07006		Total	0	

CONTACT INFORMATION

APPLICANT:	Johnson Water Improvement District 3758 W UT-87 Roosevelt, Utah 84066 (435) 722-2620 jwdwater@stratanet.com
PRESIDING OFFICIAL or CONTACT PERSON:	Dusty Monks, Chairman 3758 W UT-87 Roosevelt, Utah 84066 (435) 722-2620 jwdwater@stratenet.com
CONSULTING ENGINEER:	Jason Blankenagel Sunrise Engineering 363 East Main, Suite 201 Vernal, Utah 84078 (435) 789-7364 jblankenagel@sunrise-eng.com
TREASURER/RECORDER:	Karen Ashby (435) 722-2620 jwdwater@stratenet.com
BOND ATTORNEY:	Eric Johnson Blaisdell, Church and Johnson, LLC. 599 South Redwood Road Taylorsville, UT 84123 (801) 699-1976 eric@bcjlaw.com

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Johnson Water Improvement District
 COUNTY: Uintah
 PROJECT DESCRIPTION: Main Line and Distribution line upgrade

FUNDING SOURCE: Federal SRF

100 % Loan & 0 % P.F.

ESTIMATED POPULATION:	1,880	RESIDENTIAL CONNECTIONS:	766 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$58.80 *			PROJECT TOTAL:	\$2,452,000
CURRENT % OF AGI:	1.95%	FINANCIAL PTS:	46	LOAN AMOUNT:	\$2,352,000
ESTIMATED MEDIAN AGI:	\$36,120			PRINC. FORGIVE.:	\$0
STATE AGI:	\$46,500			TOTAL REQUEST:	\$2,352,000
SYSTEM % OF STATE AGI:	78%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 2.13%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	30	30		30
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		2.13%
REQUIRED DEBT SERVICE:	\$78,400.00	\$120,152.46		\$106,903.09
*PARTIAL COVERAGE (15%):	\$0.00	\$0.00		\$0.00
*ADD. COVERAGE AND RESERVE (10%):	\$7,840.00	\$12,015.25		\$10,690.31
ANNUAL NEW DEBT PER CONNECTION:	\$112.58	\$172.54		\$153.52
 O & M + FUNDED DEPRECIATION:	 \$490,196.85	 \$490,196.85		 \$490,196.85
OTHER DEBT + COVERAGE:	\$117,500.00	\$117,500.00		\$117,500.00
REPLACEMENT RESERVE ACCOUNT:	\$33,129.84	\$35,217.47		\$34,555.00
ANNUAL EXPENSES PER CONNECTION:	\$836.59	\$839.31		\$838.45
 TOTAL SYSTEM EXPENSES	 \$727,066.69	 \$775,082.02		 \$759,845.24
TAX REVENUE:	\$0.00	\$0.00		\$0.00
 <u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$79.10	\$84.32		\$82.66
 % OF ADJUSTED GROSS INCOME:	 2.63%	 2.80%		 2.75%

\$0.00

Agenda Item 4(C)(i)(b)

**DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION LOAN**

APPLICANT'S REQUEST

Levan Town is requesting financial assistance to replace aged and failing lead jointed ductile iron pipe. This project scored 42.6 points on the Project Priority List. The total project cost is estimated at \$2,895,000. The town will be contributing \$28,950 towards this project and is requesting the balance of **\$2,866,050 from the Drinking Water Board.**

STAFF COMMENTS

Levan's request was presented to the Drinking Water Board on June 7, 2022. During that meeting, the town indicated the maximum they could increase their monthly base water rate was \$10.00/connection. Per the Board's request, staff developed additional funding options for the Board's consideration and discussion at a subsequent meeting. Staff also created normal and graduated repayment schedules for the town's review.

The MAGI for Levan Town is \$51,400, which is 111% of the State MAGI and the current average water bill is \$40.26/connection, which is 0.94% of the local MAGI.

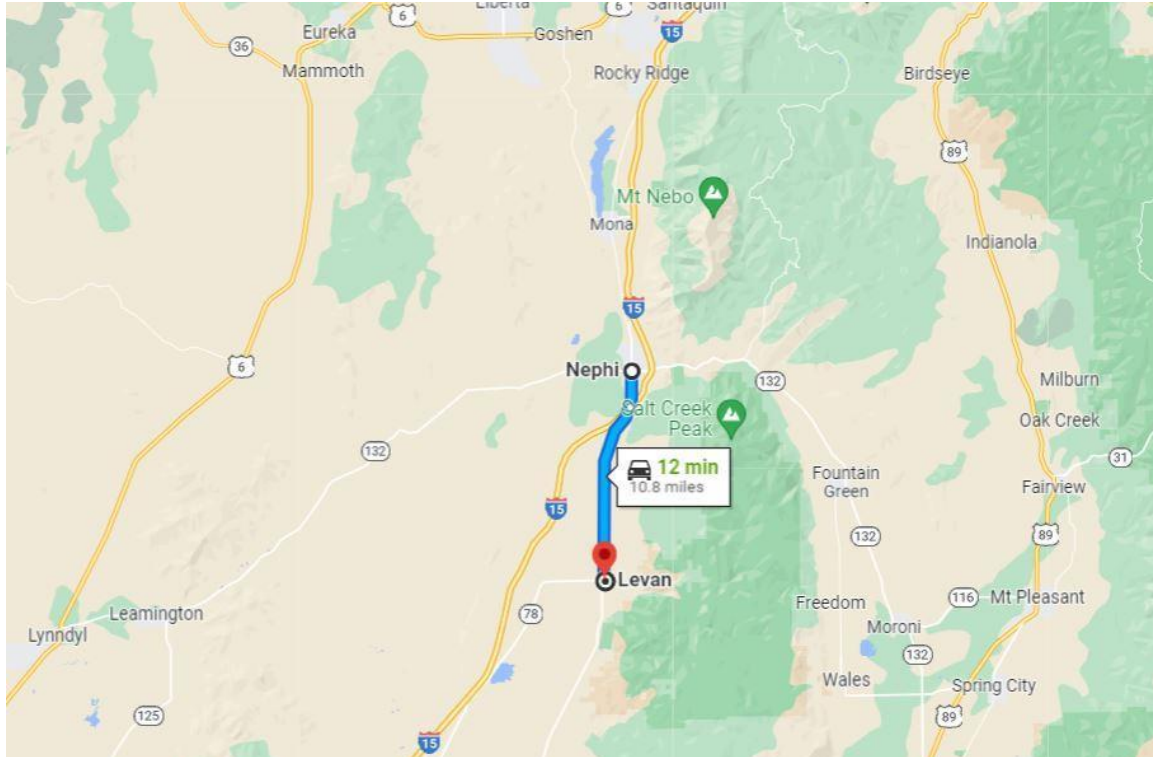
Option	Loan / PF	Loan	Principal Forgiveness	Term	Interest Rate	Water Bill	% Local MAGI	Annual Loan Payment	Monthly Rate Increase
Base	100 / 0	\$2,866,000	\$0	30 yr	2.49%	\$76.70	1.79%	\$136,748	\$36.44
FAC Recommen- dation	50 / 50	\$1,433,000	\$1,433,050	30 yr	2.0%	\$54.95	1.28%	\$63,983	\$14.69
3	50 / 50	\$1,433,000	\$1,433,050	30 yr	1.0%	\$52.60	1.23%	\$55,526	\$12.35
4	42 / 58	\$1,210,000	\$1,656,050	30 yr	1.0%	\$50.20	1.17%	\$46,885	\$9.95

STAFF RECOMMENDATION

Staff defers a funding recommendation to the Drinking Water Board.

APPLICANT'S LOCATION

Levan is approximately 11 miles south of Nephi in Juab County.



PROJECT DESCRIPTION

The current 4-inch ductile iron pipe has lead-based joints, and the pipe material is subject to corrosion and deteriorates. The pipe will be replaced with 8-inch PVC pipe. Service lines will also be replaced with updated polyethylene pipe. The town has spent a significant amount of budget repairing the pipe. Replacing the pipe will lessen the burden on the town financially, reduce water loss, reduce risk of lead exposure, and increase flow and pressures for fire flow protection. Reducing water loss will help, considering the town is almost at capacity with existing ERCs. The town indicated they would have a difficult time taking on a loan at this time because they need additional water rights to accommodate growth within their service area.

POPULATION GROWTH

Projected population and connections for Levan Town is based on a 3.29% growth rate estimated in the SRF application:

Year	Population	Connections
2020	862	345
2040	1,646	524

IMPLEMENTATION SCHEDULE

DWB Authorization	June 2022
Complete Design	August 2022
DDW Plan Approval	September 2022
Advertise for Bids	September 2022
Bid Opening/Closing	October 2022
Begin Construction	November 2022
Complete Construction/DDW Permit	April 2023

COST ESTIMATE

Legal/Bonding	-	
Environmental	\$ 12,000	
Engineering – Design/Permitting	\$ 125,000	} 11%
Engineering – CMS	\$ 202,000	
Construction – transmission line	\$ 2,130,000	
Contingency	\$ 426,000	20%
Total Project Cost	\$ 2,895,000	

IPS SUMMARY

Code	Description	Physical Facilities	Quality & Monitoring	Significant Deficiency Violations
TD09	Chlorine room exhaust fan suction not located near floor (recommend to install a fan)	15		
TD10	Chlorine room air inlet not located near ceiling through wall louvers (recommend to install a vent)	15		
	Total	30		

CONTACT INFORMATION

APPLICANT:

Levan Town Water System
PO Box 40
Levan, UT 84639

**PRESIDING OFFICIAL &
CONTACT PERSON:**

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Mayor
20 North Main
Levan, UT 84639
(435) 623-1959
Browley.levantown@gmail.com

TREASURER/RECORDER:

Stephanie Wood
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levantown@gmail.com

CONSULTING ENGINEER

Tyler Faddis
Jones & DeMille Engineering
50 S Main Street, #4
Manti, UT 84642
(435) 835-4540 ext 403
Tyler.f@jonesanddemille.com

BOND ATTORNEY:

Richard Chamberlain
Chamberlain Associates, LLC
225 North 100 East
Richfield, UT 84701
(435) 896-4461
rchamberlain13@gmail.com

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Levan
 COUNTY: Juab
 PROJECT DESCRIPTION: Waterline replacement

FUNDING SOURCE: Federal SRF

43 % Loan & 57 % P.F.

ESTIMATED POPULATION:	862	NO. OF CONNECTIONS	345 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$40.26 *			PROJECT TOTAL:	\$2,895,000
CURRENT % OF AGI:	0.94%	FINANCIAL PTS:	29	LOAN AMOUNT:	\$1,220,000
ESTIMATED MEDIAN AGI:	\$51,400			PRINC. FORGIVE.:	\$1,646,050
STATE AGI:	\$46,500			TOTAL REQUEST:	\$2,866,050
SYSTEM % OF STATE AGI:	111%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 1.00%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	30	30		30
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		1.00%
REQUIRED DEBT SERVICE:	\$40,666.67	\$62,323.98		\$47,272.70
*PARTIAL COVERAGE (15%):	\$0.00	\$0.00		\$0.00
*ADD. COVERAGE AND RESERVE (10%):	\$4,066.67	\$6,232.40		\$4,727.27
ANNUAL NEW DEBT PER CONNECTION:	\$129.66	\$198.71		\$150.72
 O & M + FUNDED DEPRECIATION:	 \$146,587.00	 \$146,587.00		 \$146,587.00
OTHER DEBT + COVERAGE:	\$0.00	\$0.00		\$0.00
REPLACEMENT RESERVE ACCOUNT:	\$9,362.68	\$10,445.55		\$9,692.98
ANNUAL EXPENSES PER CONNECTION:	\$452.03	\$455.17		\$452.99
 TOTAL SYSTEM EXPENSES	 \$200,683.02	 \$225,588.93		 \$208,279.95
TAX REVENUE:	\$0.00	\$0.00		\$0.00
 <u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$48.47	\$54.49		\$50.31
 % OF ADJUSTED GROSS INCOME:	 1.13%	 1.27%		 1.17%

Agenda Item

4(C)(ii)(a)

**DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION ASSISTANCE**

APPLICANT'S REQUEST:

Uintah City is requesting financial assistance to build two new 375,000 gallon water tanks with associated appurtenances.

This project scored 49.6 points on the Project Priority List.

The total project cost is \$4,273,831. Uintah City has received an ARPA grant from the county in the amount of \$1,750,000 and will be contributing \$1,523,831 towards the project. They are requesting the balance of \$1,000,000 from the Drinking Water Board.

STAFF COMMENTS:

The original estimate for the project was \$3,523,831. After some discussion with the City and based on the trend of project costs increasing significantly over the past few months it was decided that the request from the Board would move forward with an increase in project cost to ensure there are sufficient funds to complete the project. If the City is able to complete the project with their contribution and the ARPA grant, they will not need the funding from the Board.

The local MAGI for the Uintah City is \$64,100, which is 138% of the State MAGI. The current average water bill is \$71.43/ERC, which is 1.34% of the local MAGI. The estimated after project water bill at market rate of 3.01% would be \$86.23//ERC or 1.61% of the local MAGI.

Option	Loan / Grant	Principal Forgiveness	Loan	Term	Interest Rate	Water Bill	% Local MAGI
1	100% loan	\$0	\$1,000,000	20 yrs	2.0%	\$85.03	1.59%

RBI as of April 12, 2022 is 3.01%

FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION:

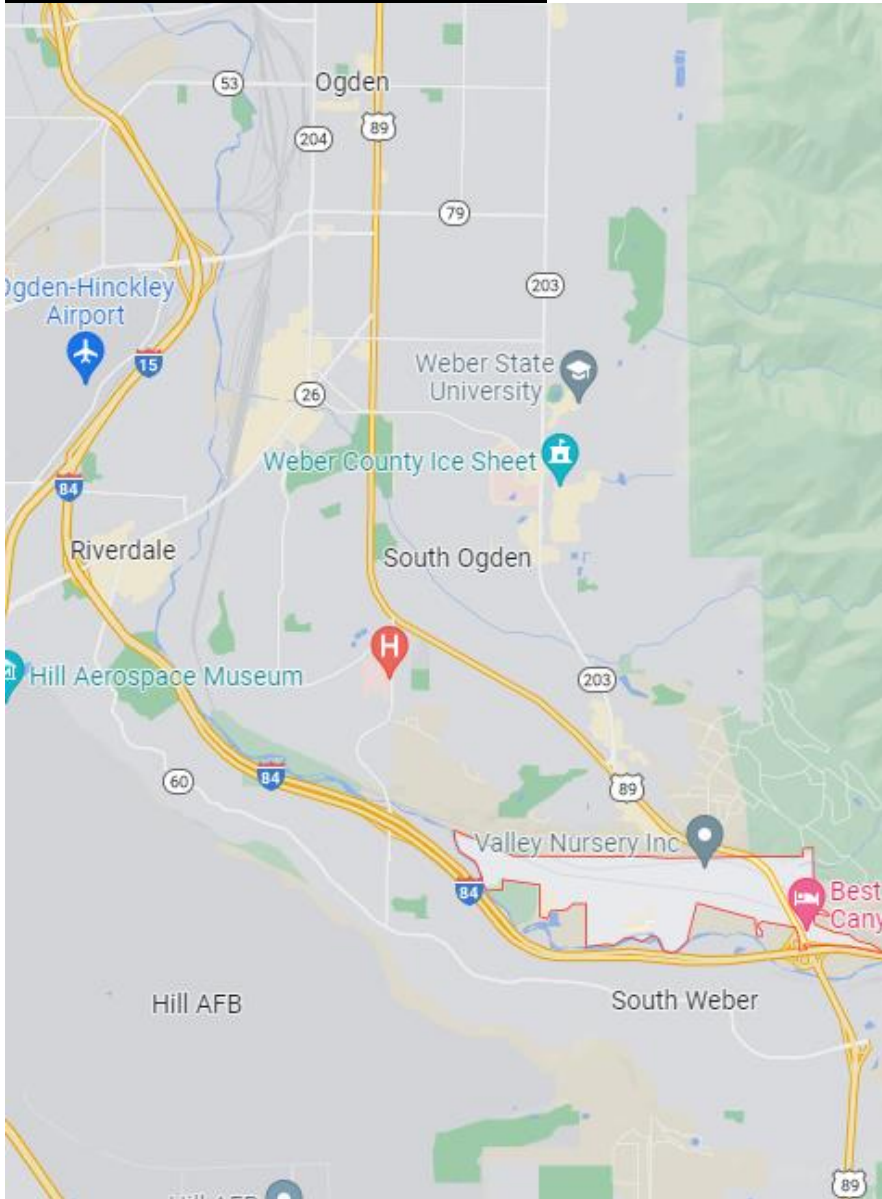
The Drinking Water Board authorize a loan of \$1,000,000 at 2.0% interest for 20 years to Uintah City.

Uintah City does not have any IPS deficiency points.

APPLICANT'S LOCATION:

Uintah City is located in Weber County approximately 7 miles South of Ogden.

MAP OF APPLICANT'S LOCATION:



PROJECT DESCRIPTION:

Uintah City needs assistance to build two new 375,000 gallon water tanks with associated appurtenances to replace the existing deteriorating tank which has structural deficiencies and is undersized. Replacement of the tank will allow the City to correct the sizing and structural deficiencies and improve water supply to the entire city.

POPULATION GROWTH:

Population growth is based on Uintah City's estimates.

Year	Population	Connections
Current	1,439	435
2030	1,512	481
2040	1,670	531

COST ESTIMATE:

Legal/Bonding/Admin	\$40,000
Engineering - Design	\$300,000
Engineering - CMS	\$300,000
Construction -	\$2,878,256
Other SCADA, fencing, etc	\$250,000
Contingency (~10%)	\$495,575
1% Loan Origination Fee	\$10,000
Total	\$4,273,831

COST ALLOCATION:

<u>Funding Source</u>	<u>Cost Sharing</u>	<u>Percent of Project</u>
DWB Loan (2.0 %, 20-yr)	\$1,000,000	23%
ARPA grant (from county)	\$1,750,000	41%
Local Contribution	\$1,523,831	36%
Total	\$4,273,831	100%

IMPLEMENTATION SCHEDULE:

(Estimated completion dates for major milestones – add or delete rows as needed)

DWB Funding Authorization:	June 2022
Complete Design	Nov 2021
DDW Plan Approval:	Dec 2021
Advertise for Bids:	June 2022
Bid Opening:	June 2022
Loan Closing:	Aug 2022
Begin Construction:	July 2022
Complete Construction:	Dec 2022

IPS SUMMARY:

Uintah City does not have any IPS points

CONTACT INFORMATION:

APPLICANT: Uintah City
2191 east 6550 South
Uintah, Utah 84405
Telephone: 801-388-3558
uintahcity@uintahcity.com

PRESIDING OFFICIAL &
CONTACT PERSON: Kristi Bell
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Uintah, Utah 84405
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TREASURER/RECORDER: Mike Ulrich
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CONSULTING ENGINEER: Matt Hartvigsen
Jones and Associates
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South Ogden, Utah 84404
Telephone: 801-391-5711
matth@jonescivil.com

CITY ATTORNEY: David Wilson
Wilson and Wilson PLLC
Telephone: 801-430-5387
wilsonandwilsonpllc@gmail.com

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Uintah City
 COUNTY: Weber
 PROJECT DESCRIPTION: 2 new concrete tanks

FUNDING SOURCE: Federal SRF

100 % Loan & 0 % P.F.

ESTIMATED POPULATION:	1,439	NO. OF CONNECTIONS:	489 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$71.43 *			PROJECT TOTAL:	\$4,273,831
CURRENT % OF AGI:	1.34%	FINANCIAL PTS:	40	LOAN AMOUNT:	\$1,000,000
ESTIMATED MEDIAN AGI:	\$64,100			PRINC. FORGIVE.:	\$0
STATE AGI:	\$46,500			TOTAL REQUEST:	\$1,000,000
SYSTEM % OF STATE AGI:	138%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 2.00%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	20	20		20
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		2.00%
REQUIRED DEBT SERVICE:	\$50,000.00	\$67,277.87		\$61,156.72
*PARTIAL COVERAGE (15%):	\$0.00	\$0.00		\$0.00
*ADD. COVERAGE AND RESERVE (10%):	\$5,000.00	\$6,727.79		\$6,115.67
ANNUAL NEW DEBT PER CONNECTION:	\$112.47	\$151.34		\$137.57
 O & M + FUNDED DEPRECIATION:	 \$408,222.00	 \$408,222.00		 \$408,222.00
OTHER DEBT + COVERAGE:	\$0.00	\$0.00		\$0.00
REPLACEMENT RESERVE ACCOUNT:	\$22,911.10	\$23,774.99		\$23,468.94
ANNUAL EXPENSES PER CONNECTION:	\$881.66	\$883.43		\$882.80
 TOTAL SYSTEM EXPENSES	 \$486,133.10	 \$506,002.65		 \$498,963.33
TAX REVENUE:	\$0.00	\$0.00		\$0.00
 <u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$82.84	\$86.23		\$85.03
 % OF ADJUSTED GROSS INCOME:	 1.55%	 1.61%		 1.59%

\$0.00

Agenda Item 4(C)(ii)(b)

**DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION LOAN**

APPLICANT'S REQUEST

Cedarview Montwell Special Service District is requesting financial assistance to construct a 9-mile transmission line that will connect the distribution system to their primary source, the Victory Pipeline. The project also enhances regionalization efforts in the Uinta Basin. This project scored 17.5 points on the Project Priority List.

The total project cost is estimated at \$4,715,000. The district is specifically requesting American Rescue Plan Act of 2021 (ARPA) grant funding. Cedarview Montwell will be contributing \$50,000 cash towards this project and is requesting the balance of **\$4,665,000 from the Drinking Water Board.**

STAFF COMMENTS

Cedarview Montwell serves approximately 310 residents with 105 connections. The MAGI for the service area (ZIP Code 84066) is \$41,200, which is 89% of the State MAGI and the current average water bill is \$72.91/connection, which is 2.12% of the local MAGI. The after-project water bill at a full loan would be \$381.67/ERC or 11.12% of the local MAGI. Based on population, rural location, and monthly water bill, the district qualifies to be considered for ARPA funding.

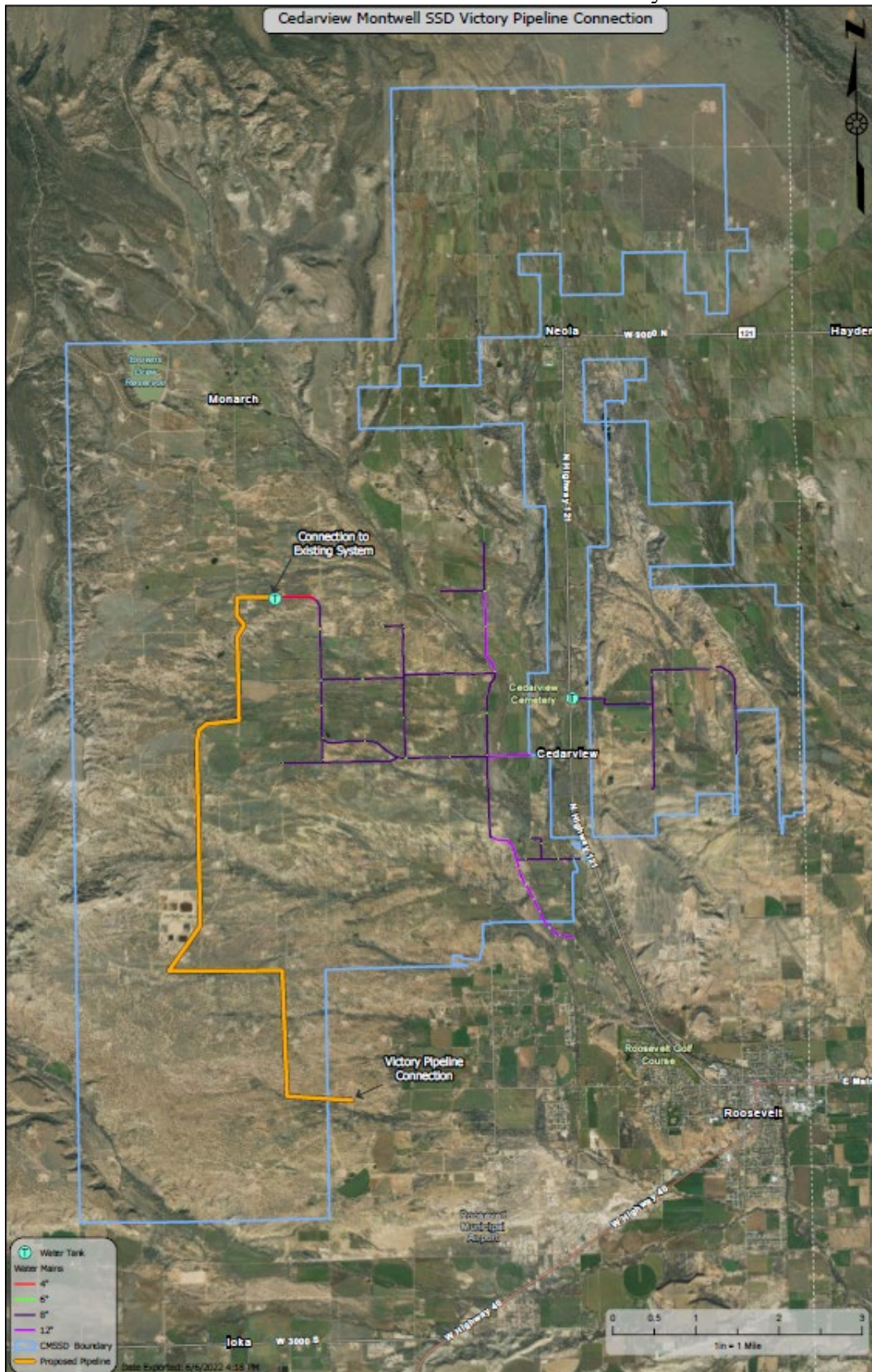
Option	Loan/ Grant	Loan	Grant	Term	Interest	Water Bill	% Local MAGI
Base	100 / 0	\$4,665,000	\$0	30 yrs	2.16%	\$381.67	11.12%
1	50 / 50	\$2,332,000	\$2,333,000	40 yrs	0%	\$236.96	6.90%
2	25 / 75	\$1,165,000	\$3,500,000	40 yrs	0%	\$210.33	6.13%

FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION

The Drinking Water Board authorize a construction loan of \$1,605,000 at 0% interest for 40 years to Cedarview Montwell Special Service District and an ARPA construction grant of \$3,500,000. Additionally, the Board authorize a release of up to \$176,000 from the grant for planning and engineering design.

APPLICANT'S LOCATION

Cedarview Montwell SSD is north and west of Roosevelt City in Duchesne County.



PROJECT DESCRIPTION

CMSSD provides culinary water to portions of the unincorporated area between Roosevelt and Neola. This project would include providing a direct connection from the existing CMSSD distribution system to their connection to the Victory Pipeline, their primary water source. Their connection to the Victory Pipeline is located at the southern end of their district boundaries, about 9 miles away from the existing distribution system. Currently, CMSSD receives their water from Roosevelt City through an exchange agreement. This project would allow CMSSD to get their water directly from their source instead of through an exchange. The existing exchange agreement puts a limit on the amount of water available to CMSSD and they are quickly approaching that limit. Having a direct connection to their source would provide CMSSD enough water to continue to grow into the future. This is the first, highest, priority objective for CMSSD.

POPULATION GROWTH

Projected population growth within the current service area is based on a 0.90% growth rate estimated in the SRF application:

Year	Population	Connections
2022	310	105
2042	370	145

IMPLEMENTATION SCHEDULE

DWB Authorization	July 2022
Begin Design	August 2022
Complete Design/ Plan Approval	February 2023
Advertise for Bids	March 2023
Bid Opening/Loan Closing	April 2023
Begin Construction	May 2023
Complete Construction/DDW Permit	November 2023

COST ESTIMATE

Legal/Bonding	\$ 20,000	
Rights of Way & Easements	\$ 130,000	
Environmental	\$ 50,000	
Engineering – Design/Permitting	\$ 270,000	} 12%
Engineering – CMS	\$ 317,100	
Construction – mobilization	\$ 377,500	
Construction – pump station/road bore	\$ 500,000	
Construction – transmission line	\$ 2,645,800	
Contingency	\$ 404,600	11.5%
Total Project Cost	\$ 4,715,000	

COST ALLOCATION

Funding Source	Cost Sharing	Percent of Project
Local Contribution	\$ 50,000	1%
DWB Grant (ARPA)	\$ 3,500,000	74%
DWB Loan (40 yrs, 0%)	\$ 1,165,000	25%
Total Amount	\$ 4,715,000	100%

IPS SUMMARY

Code	Description	Physical Facilities	Quality & Monitoring	Significant Deficiency Violations
3A	Monitoring, Routine, Major (RTCR) 10/1-10/31/2021		25	
	Total		25	

CONTACT INFORMATION

APPLICANT:	Cedarview Montwell Special Service District 270 North 500 West Roosevelt, UT 84066 435-823-4578
PRESIDING OFFICIAL & CONTACT PERSON:	Judy Hamblin Board Chair 270 North 500 West Roosevelt, UT 84066 435-724-3064 cmssd@hotmail.com
SECRETARY:	Patty Powell 801-979-5432 cmssd@hotmail.com
CONSULTING ENGINEER:	Jeff McCarty Sunrise Engineering 363 East Main Street, Suite 201 Vernal, UT 84078 435-292-8044 jmccarty@sunrise-eng.com
BOND ATTORNEY:	TBD

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Cedarview Montwell SSD
 COUNTY: Duchesne
 PROJECT DESCRIPTION: 9 mile transmission line to main source

FUNDING SOURCE: State SRF

25 % Loan & 75 % Grant

ESTIMATED POPULATION:	310	NO. OF CONNECTIONS	105 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$72.91 *			PROJECT TOTAL:	\$4,715,000
CURRENT % OF AGI:	2.12%	FINANCIAL PTS:	45	LOAN AMOUNT:	\$1,165,000
ESTIMATED MEDIAN AGI:	\$41,200			GRANT AMOUNT:	\$3,500,000
STATE AGI:	\$46,500			TOTAL REQUEST:	\$4,665,000
SYSTEM % OF STATE AGI:	89%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 0.00%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	40	40		40
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		0.00%
REQUIRED DEBT SERVICE:	\$29,125.00	\$50,482.18		\$29,125.00
*PARTIAL COVERAGE (15%):	\$0.00	\$0.00		\$0.00
*ADD. COVERAGE AND RESERVE (10%):	\$2,912.50	\$5,048.22		\$2,912.50
ANNUAL NEW DEBT PER CONNECTION:	\$305.12	\$528.86		\$305.12
O & M + FUNDED DEPRECIATION:	\$123,740.00	\$123,740.00		\$123,740.00
OTHER DEBT + COVERAGE:	\$90,506.25	\$90,506.25		\$90,506.25
REPLACEMENT RESERVE ACCOUNT:	\$18,210.20	\$19,278.06		\$18,210.20
ANNUAL EXPENSES PER CONNECTION:	\$2,213.87	\$2,224.04		\$2,213.87
TOTAL SYSTEM EXPENSES	\$264,493.95	\$289,054.70		\$264,493.95
TAX REVENUE:	\$0.00	\$0.00		\$0.00
<u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$210.33	\$229.83		\$210.33
% OF ADJUSTED GROSS INCOME:	6.13%	6.69%		6.13%

Agenda Item

4(C)(ii)(c)

**DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION LOAN**

APPLICANT'S REQUEST

Manila Town Water System is requesting financial assistance to inspect and refurbish three existing culinary wells. This project scored 11.4 points on the Project Priority List.

The total project cost is estimated at \$505,000. The town will be contributing \$5,000 towards the project and is requesting the balance of **\$500,000 from the Drinking Water Board.**

STAFF COMMENTS

The Manila Water System serves approximately 1,750 people with 900 connections located within Manila Town, surrounding Daggett County, and a portion of Wyoming. The MAGI for the area (ZIP 84046) is \$44,100, which is 95% of the State MAGI and the current average water bill is \$62.29/ERC, which is 1.69% of the local MAGI. The after-project water bill at a full loan would be \$58.64/ERC or 1.60% of the local MAGI.

Option	Loan / Grant	Loan	Grant	Term	Interest	Water Bill	% Local MAGI
Base	100 / 0	\$ 500,000	\$0	30 yrs	2.28%	\$58.64	1.60%
1	50 / 50	\$ 250,000	\$ 250,000	30 yrs	2.28%	\$57.40	1.56%
2	0 / 100	\$0	\$ 500,000	n/a	n/a	\$56.17	1.53%

FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION

The Drinking Water Board authorize a loan of \$500,000 at 2.28% interest for 30 years to the Manila Town water system to inspect and refurbish three existing wells.

Conditions include that they resolve all issues on their compliance report.

APPLICANT'S LOCATION

Manila is approximately 167 miles northeast of Salt Lake City in Daggett County.



PROJECT DESCRIPTION

The overarching objective of this project is to inspect, assess, and refurbish three existing culinary wells for the Manila Town Water System, including updating and/or upgrading worn equipment. Only two of the three wells are currently operational. This project will address a drinking water compliance issue; a sanitary survey completed in 2021 noted the system lacks up to 20% of required source capacity. This project includes an investigation and analysis of all three wells to determine their actual current and potential capacity. Depending on the results of the investigation, the project may also include refurbishment of one, two or all of the wells in order to maximize the flow capacity. A draft water master plan completed in April 2022 estimated current flows of the two active wells are considerably less than the historic flow capacities and recommended that Manila perform maintenance on these wells. It was also recommended that the town analyze the inactive Sols Canyon Well #2 and put it back into service, if possible, to mitigate the deficit of the minimum sizing requirements.

POPULATION GROWTH

Projected population and connections for the Manila Water System service area is based on an average 1.72% growth rate estimated in the 2022 Master Plan:

Year	Population	Connections
2021	1,775	900
2041	2,498	1,135

IMPLEMENTATION SCHEDULE

DWB Authorization	July 2022
Begin Design	November 2022
Complete Design/DDW Plan Approval	February 2023
Advertise for Bids	March 2023
Bid Opening	April 2023
Begin Construction	May 2023
Complete Construction/DDW Permit	October 2023
DDW Operating Permit	November 2023

COST ESTIMATE

Legal	\$ 10,000	
Engineering – Design/Permitting	\$ 39,500	} 10%
Engineering – CMS	\$ 12,500	
Construction – well inspection/rehab	\$ 396,000	
Contingency	\$ 47,000	12%
Total Project Cost	\$ 505,000	

COST ALLOCATION

Funding Source	Cost Sharing	Percent of Project
Local contribution	\$ 5,000	1%
DWB Loan (30 yr, 2.28%)	\$ 500,000	99%
Total Amount	\$ 505,000	100%

IPS SUMMARY

Code	Description	Physical Facilities	Quality & Monitoring	Significant Deficiency Violations
Moo5	Cross connection control lacks operator training	15		
S091	System lacks up to 20% of required source capacity	15		
SSL2	Briggs Spring vent not present	0		
	Total	30		

CONTACT INFORMATION

APPLICANT:

Manila Town Water System
PO Box 189
Manila, UT 84046

**PRESIDING OFFICIAL &
CONTACT PERSON:**

David Coombs, Mayor
PO Box 189
Manila, UT 84046
435-784-3143
davidc@manilautah.com

TOWN CLERK:

Marlena Connor
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CONSULTING ENGINEER

Jeff McCarty
Sunrise Engineering
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jmccarty@sunrise-eng.com

SYSTEM ATTORNEY:

Rob Patterson
ETJ Law, Inc
PO Box 831
Pleasant Grove, UT 84062
801-200-5910
rob@publicprivatelaw.com

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Manila Town
 COUNTY: Daggett
 PROJECT DESCRIPTION: Rehab 3 wells

FUNDING SOURCE: State SRF

100 % Loan & 0 % Grant

ESTIMATED POPULATION:	1,750	NO. of CONNECTIONS	900 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$62.29 *			PROJECT TOTAL:	\$505,000
CURRENT % OF AGI:	1.69%	FINANCIAL PTS:	41	LOAN AMOUNT:	\$500,000
ESTIMATED MEDIAN AGI:	\$44,100			GRANT AMOUNT:	\$0
STATE AGI:	\$46,500			TOTAL REQUEST:	\$500,000
SYSTEM % OF STATE AGI:	95%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 2.28%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	30	30		30
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		2.28%
REQUIRED DEBT SERVICE:	\$16,666.67	\$25,542.62		\$23,193.61
*PARTIAL COVERAGE (15%):	\$0.00	\$0.00		\$0.00
*ADD. COVERAGE AND RESERVE (10%):	\$1,666.67	\$2,554.26		\$2,319.36
ANNUAL NEW DEBT PER CONNECTION:	\$20.37	\$31.22		\$28.35
O & M + FUNDED DEPRECIATION:	\$392,018.00	\$392,018.00		\$392,018.00
OTHER DEBT + COVERAGE:	\$187,473.75	\$187,473.75		\$187,473.75
REPLACEMENT RESERVE ACCOUNT:	\$27,933.18	\$28,376.98		\$28,259.53
ANNUAL EXPENSES PER CONNECTION:	\$674.92	\$675.41		\$675.28
TOTAL SYSTEM EXPENSES	\$625,758.27	\$635,965.61		\$633,264.25
TAX REVENUE:	\$0.00	\$0.00		\$0.00
<u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$57.94	\$58.89		\$58.64
% OF ADJUSTED GROSS INCOME:	1.58%	1.60%		1.60%

\$0.00

Agenda Item

4(C)(ii)(d)

DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION ASSISTANCE

APPLICANT'S REQUEST

Hoytsville Culinary Water System is requesting financial assistance to install a 400k-gallon tank and transmission line to provide water supply redundancy and resiliency to the system and comply with a request from the fire marshall for additional fire protection at this end of town. This project will address a compliance issue and scored 5.6 points on the Project Priority List.

The total project cost is estimated at \$1,594,949 and Hoytsville is requesting the full amount from the Drinking Water Board.

STAFF COMMENTS

The MAGI for the zip code area for Hoytsville is \$59,200 and 127% of the State MAGI. The current average water bill is \$44.35/ connection, which is 0.9% of the local MAGI. The after-project water bill at a full loan would be \$74.79 or 1.52% of the local MAGI.

Option	Loan/ Grant	Loan	Grant	Term	Interest	Water Bill	% Local MAGI
Base	100 / 0	\$1,595,000	\$0	30 yrs	2.58%	\$74.79	1.52%
2	50 / 50	\$797,000	\$798,000	30 yrs	2.58%	\$55.43	1.12%
3	0 / 100	\$0	\$1,594,949	-	-	\$37.43	0.76%

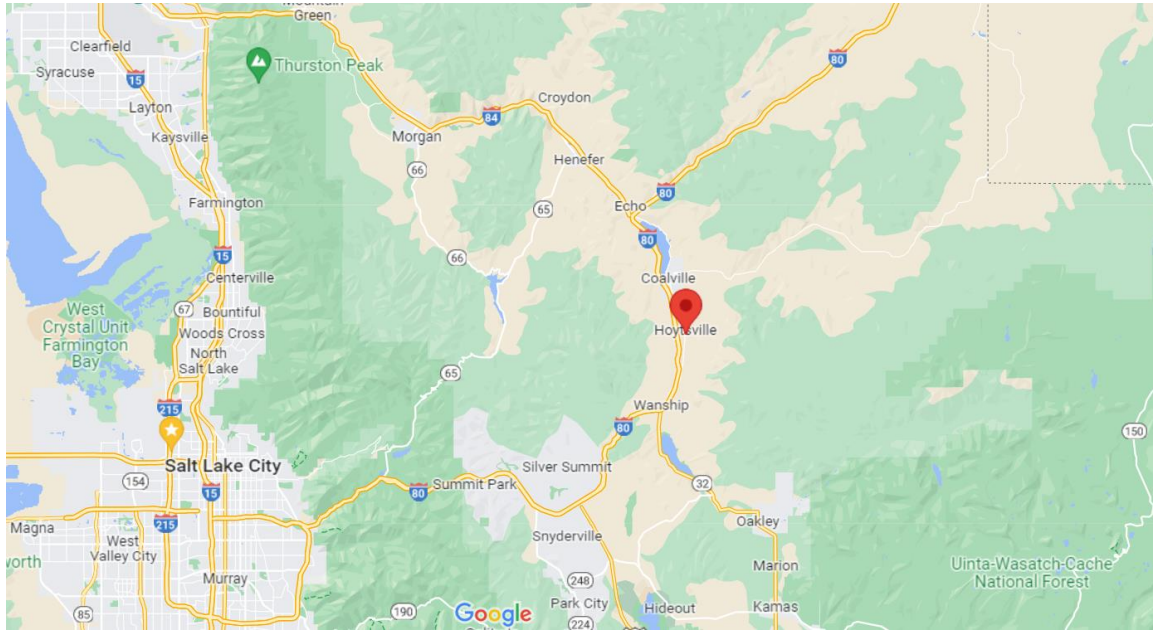
FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION

The Drinking Water Board authorize a construction loan of \$1,595,000 at 2.58% for 30 years to Hoytsville Culinary Water System.

Conditions include that they resolve all issues on their compliance report.

APPLICANT'S LOCATION

Hoytsville Culinary Water System is located along I-80, north of Park City, in Summit County.



PROJECT DESCRIPTION

This project consists of a 400,000 gallon tank on the opposite end of the existing source and storage in the system. The project will supply the fire flow requirement of the county fire marshal for all existing customers and future. Approximately 2,600 feet of 12-inch diameter transmission pipeline will be required to connect the storage to the system

This would not directly be a system-wide source project, but it will provide water supply redundancy and resiliency to the system. The proposed tank is at the opposite end of the system from the source supply and existing tank. The new tank will provide water for a period of time to resolve any issues along a single pipeline that would be several miles long.

POPULATION GROWTH

Projected population and connections for Hoytsville is based on a 1.71% growth rate estimated in the SRF application:

Year	Population	Connections
2022	445	205
2042	625	288

IMPLEMENTATION SCHEDULE

DWB Authorization	July 2022
Begin Design	August 2022
Complete Design/DDW Plan Approval	February 2023
Advertise for Bids/Bid Opening	March 2023
Loan Closing/Begin Construction	May 2023
Complete Construction/DDW Permit	March 2024
DDW Operating Permit	March 2024

COST ESTIMATE

Legal/Bonding	\$ 5,000	
Rights of Way & Easements	\$ 10,000	
Financial Consultant	\$ 10,000	
Engineering – Planning	\$ 10,000	
Engineering – Design/Permitting	\$ 84,000	} 8%
Engineering – CMS	\$ 40,000	
Construction – Transmission	\$520,000	
Construction – Storage	\$ 500,000	
Construction contingency	\$ 200,000	12.5%
Land Acquisition	\$ 200,000	
DDW Admin Fee	\$ 15,949	
Total Project Cost	\$ 1,594,949	

IPS SUMMARY

Code	Description	Physical Facilities	Quality & Monitoring	Significant Deficiency Violations
SP04	ACTIVE SOURCE LACKS APPROVED UPDATES TO DWSP PLAN	5		
S023	NO SMOOTH NOSED SAMPLING TAP ON DISCHARGE PIPING	5		
	Total	10		

CONTACT INFORMATION

APPLICANT:

Hoytsville Culinary Water System
PO Box 753
Coalville, UT 84017

PRESIDING OFFICIAL &
CONTACT PERSON:

Tyler Larsen
Board Member
PO Box 728
Coalville, UT 84017
(801) 540-3667
tyer.james.larsen@gmail.com

TREASURER:

Cartsen Mortensen
(801) 450-4541
cartsenmortensen10@gmail.com

CONSULTING ENGINEER

Steven Jones
Halen Engineers
steve@halenengineers.com

BOND ATTORNEY:

(TBD)

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Hoytsville Culinary Water System
 COUNTY: Summit
 PROJECT DESCRIPTION: 400,000 gallon tank and transmission line

FUNDING SOURCE: State SRF

100 % Loan & 0 % Grant

ESTIMATED POPULATION:	445	NO. OF CONNECTIONS:	205 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$44.35 *			PROJECT TOTAL:	\$1,595,000
CURRENT % OF AGI:	0.90%	FINANCIAL PTS:	31	LOAN AMOUNT:	\$1,595,000
ESTIMATED MEDIAN AGI:	\$59,200			GRANT AMOUNT:	\$0
STATE AGI:	\$46,500			TOTAL REQUEST:	\$1,595,000
SYSTEM % OF STATE AGI:	127%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 2.58%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	30	30		30
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		2.58%
REQUIRED DEBT SERVICE:	\$53,166.67	\$81,480.94		\$77,020.53
*PARTIAL COVERAGE (15%):	\$7,975.00	\$12,222.14		\$11,553.08
*ADD. COVERAGE AND RESERVE (10%):	\$5,316.67	\$8,148.09		\$7,702.05
ANNUAL NEW DEBT PER CONNECTION:	\$324.19	\$496.84		\$469.64
O & M + FUNDED DEPRECIATION:	\$87,703.00	\$87,703.00		\$87,703.00
OTHER DEBT + COVERAGE:	\$0.00	\$0.00		\$0.00
REPLACEMENT RESERVE ACCOUNT:	\$0.00	\$0.00		\$0.00
ANNUAL EXPENSES PER CONNECTION:	\$427.82	\$427.82		\$427.82
TOTAL SYSTEM EXPENSES	\$154,161.33	\$189,554.18		\$183,978.66
TAX REVENUE:	\$0.00	\$0.00		\$0.00
<u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$62.67	\$77.05		\$74.79
% OF ADJUSTED GROSS INCOME:	1.27%	1.56%		1.52%

\$0.00

Agenda Item 4(C)(iii)(a)

DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION ASSISTANCE

APPLICANT'S REQUEST

South Duchesne Culinary Water is requesting financial assistance to disconnect from their 30,000 gallon tank that is contributing to low static pressures, and to install a PRV station along with meters and SCADA to their system. This project will address a public health issue and scored 75.4 points on the Project Priority List.

The total project cost is estimated at \$1,992,500. South Duchesne is contributing \$10,000 towards this project and is requesting the balance of **\$1,982,500 from the Drinking Water Board**. They specifically requested ARPA Grant funding.

STAFF COMMENTS

The MAGI for Duchesne is \$34,800 or 75% of the State MAGI. The current water bill is \$40, which is 1.38% of the local MAGI. The after-project water bill at a full loan would be \$83.17 or 2.87% of the local MAGI. Based on population, rural location, and the after-project water bill, the town qualifies to be considered for ARPA funding.

Option	Loan/ ARPA	Loan	ARPA	Term	Interest	Water Bill	% Local MAGI
Base	100 / 0	\$1,983,000	\$0	30 yrs	2.52%	\$83.17	2.87%
FAC Recommendation	24 / 76	\$482,000	\$1,500,500	30 yrs	2.0%	\$61.25	2.11%
3	24 / 76	\$482,000	\$1,500,500	30 yrs	1.0%	\$60.40	2.08
4	15 / 85	\$297,000	\$1,685,500	30 yrs	1.0%	\$58.27	2.01

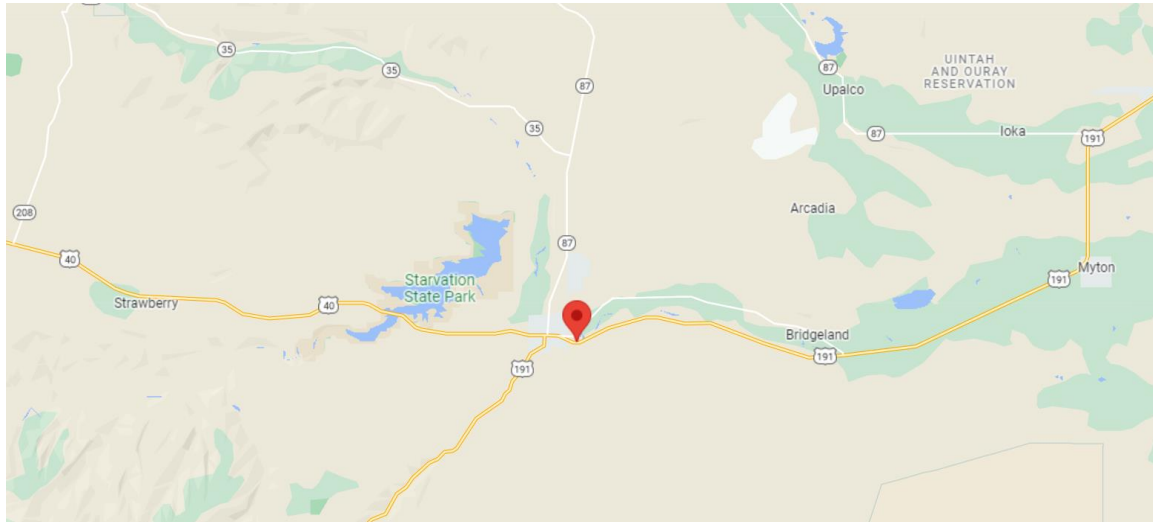
STAFF RECOMMENDATION

Staff defers a funding recommendation to the Drinking Water Board.

Conditions include that they resolve all issues on their compliance report.

APPLICANT'S LOCATION

South Duchesne Culinary Water is located 70 miles east of Heber City, just outside of Duchene City, in Duchesne County..



PROJECT DESCRIPTION

South Duchesne serves the residents of Utah Mini Ranches HOA, Inc.. They also have submitted a planning application that includes a rate study after this project is complete. Currently they are charging their residents only \$40 each- the base rate because they have old or nonexistent meters on their connections.

The system has a 300,000 gallon tank at the upper end of the subdivision, and a 30,000 gallon tank that is located in the lower region of the subdivision. The lots surrounding the lower tank experience low static pressures as well as dynamic pressures due to the location of the tank in reference to the lots. Currently, SDCW is under enforcement action, and this portion of the project needs to be completed by September 30, 2022. It is proposed that the lower tank will be removed from service, along with the altitude valve. This would allow for all lots/service connections in the subdivision to be directly connected to the upper 300,000 gallon tank.

Two new PRVs will be installed along the transmission line to allow the lower tank to be bypassed, providing sufficient pressure for the lots surrounding the existing lower tank. The required storage for the existing residential connections is 400 gal/ERC, which is 58,400 gallons. Additionally, required storage for fire flow is 120,000 gallons, so required storage is 178,400 gallons. The existing 300,000 gallon tank is sufficient storage for the system, allowing future growth as well.

Main pumps that deliver water from Duchesne City to the SDCW 300,000 gallon tank will be repaired/replaced. There are currently 3 - 40 HP pumps housed within one pump station that deliver water to the tank. The current operator has mentioned that he has only used one of the pumps to fill the tank, and it is known that one of the pumps does not operate correctly. Additionally, the last time the pumps were serviced is unknown. This is the only way to pump water from Duchesne City to deliver within the Mini Ranches.

There is approximately 4,100 linear feet of 8-inch ductile iron pipe that has been a source of leaks within the system, causing water quality issues. It is proposed that this 4,100 linear feet of ductile iron pipe would either be lined or replaced.

Currently, approximately 15 houses do not have meters, and many others are either inaccurate or out of service.

POPULATION GROWTH

Projected population and connections for South Duchesne Culinary is based on a 2.73% growth rate estimated in the SRF application:

Year	Population	Connections
2022	292	146
2042	500	250

IMPLEMENTATION SCHEDULE

DWB Authorization	July 2022
Begin Design	August 2022
Complete Design/DDW Plan Approval	December 2023
Advertise for Bids/Bid Opening	February 2023
Loan Closing/Begin Construction	April 2023
Complete Construction/DDW Permit	September 2023
DDW Operating Permit	October 2023

COST ESTIMATE

Legal/Bonding	\$ 24,000	
Rights of Way & Easements	\$ 24,000	
Environmental	\$ 42,000	
Engineering – Design/Permitting	\$ 75,000	} 9%
Engineering – CMS	\$ 103,000	
Construction – Tank Abandonment	\$ 349,200	
Construction – Transmission	\$ 472,000	
Construction – Pump Station	\$ 76,000	
Construction – SCADA & Telemetry	\$ 364,000	
Other – “Items not Estimated”	\$ 212,000	
Construction contingency	\$ 576,000	28%
Total Project Cost	\$ 1,992,500	

COST ALLOCATION

Funding Source	Cost Sharing	Percent of Project
Local contribution	\$ 10,000	0%
ARPA Grant	\$ 1,500,500	24%
DWB Loan	\$482,000	76%
Total Amount	\$ 1,992,500	100%

IPS SUMMARY

Code	Description	Physical Facilities	Quality & Monitoring	Significant Deficiency Violations
M020	CROSS CONNECTION EXISTS IN WATER SYSTEM			50
PN	FAILURE TO NOTIFY PUBLIC ENFORCEMENT		5	
	Total		55	

CONTACT INFORMATION

APPLICANT:

South Duchesne Culinary Water
236 East Main
Duchesne, UT 84021
(435) 738-6400

**PRESIDING OFFICIAL &
CONTACT PERSON:**

Renee Steuble
President of Utah Mini Ranches HOA, Inc.
PO Box 1142
Duchesne, UT 84021
(801) 568-5126
renee.e.s@hotmail.com

TREASURER/RECORDER:

Kriss Kofford
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krisskofford@yahoo.com

CONSULTING ENGINEER

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520 West Hwy 40
Roosevelt, UT 84066
(435) 722-8267
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(801) 413-1600
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OTHER:

Tyler Haveard, Operator
South Duchesne Culinary Water
PO Box 1142
Duchesne, UT 84021
(719) 208-9829
trxmakesimple2@gmail.com

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: South Duchesne Culinary Water FUNDING SOURCE: Federal SRF
 COUNTY: Duchesne
 PROJECT DESCRIPTION: abandon 30,000 gallon tank, new prv valve and vault, main line, meters, SCADA

24 % Loan & 76 % P.F.

ESTIMATED POPULATION:	292	ERC-R (Based on Revenue):	321 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$40.00 *			PROJECT TOTAL:	\$1,992,500
CURRENT % OF AGI:	1.38%	FINANCIAL PTS:	29	LOAN AMOUNT:	\$482,000
ESTIMATED MEDIAN AGI:	\$34,800			PRINC. FORGIVE.:	\$1,500,500
STATE AGI:	\$46,500			TOTAL REQUEST:	\$1,982,500
SYSTEM % OF STATE AGI:	75%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 2.00%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	30	30		30
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		2.00%
REQUIRED DEBT SERVICE:	\$16,066.67	\$24,623.08		\$21,521.26
*PARTIAL COVERAGE (15%):	\$0.00	\$0.00		\$0.00
*ADD. COVERAGE AND RESERVE (10%):	\$1,606.67	\$2,462.31		\$2,152.13
ANNUAL NEW DEBT PER CONNECTION:	\$55.02	\$84.32		\$73.70
 O & M + FUNDED DEPRECIATION:	 \$201,290.00	 \$201,290.00		 \$201,290.00
OTHER DEBT + COVERAGE:	\$0.00	\$0.00		\$0.00
REPLACEMENT RESERVE ACCOUNT:	\$10,867.83	\$11,295.65		\$11,140.56
ANNUAL EXPENSES PER CONNECTION:	\$660.49	\$661.83		\$661.34
 TOTAL SYSTEM EXPENSES	 \$229,831.17	 \$239,671.04		 \$236,103.95
TAX REVENUE:	\$0.00	\$0.00		\$0.00
 <u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$59.63	\$62.18		\$61.25
 % OF ADJUSTED GROSS INCOME:	 2.06%	 2.14%		 2.11%

\$0.00

Agenda Item 4(C)(iii)(b)

DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION ASSISTANCE

APPLICANT'S REQUEST:

Beaver City is requesting financial assistance to replace 10,000 feet of old and inadequate distribution line, 2,200 feet of deteriorating pipeline, construct a well house over an existing well and replace the roof of a well building.

This project scored 45.4 points on the Project Priority List.

The total project cost is \$2,679,146. The Town will be contributing \$26,526 to the project and are requesting the balance of \$2,652,620 from the Drinking Water Board.

STAFF COMMENTS:

The local MAGI for Beaver City is \$33,300, which is 72% of the State MAGI. The current average water bill is \$42.68/ERC, which is 1.54% of the local MAGI. The estimated after project water bill at full loan would be \$63.33/ERC or 2.28% of the local MAGI. Based on MAGI and average monthly water bill, Beaver City qualifies to be considered for additional subsidy.

Option	Loan / Grant	Principal Forgiveness	Loan	Term	Interest Rate (HGA)	Water Bill	% Local MAGI
1	100% loan	\$0	\$2,652,620	20 yrs	0%	\$63.33	2.28%
2	50/50	\$1,330,620	\$1,322,000	40 yrs	0%	\$56.40	2.03%
3	100 % PF	\$2,652,520	\$0			\$54.10	1.95%

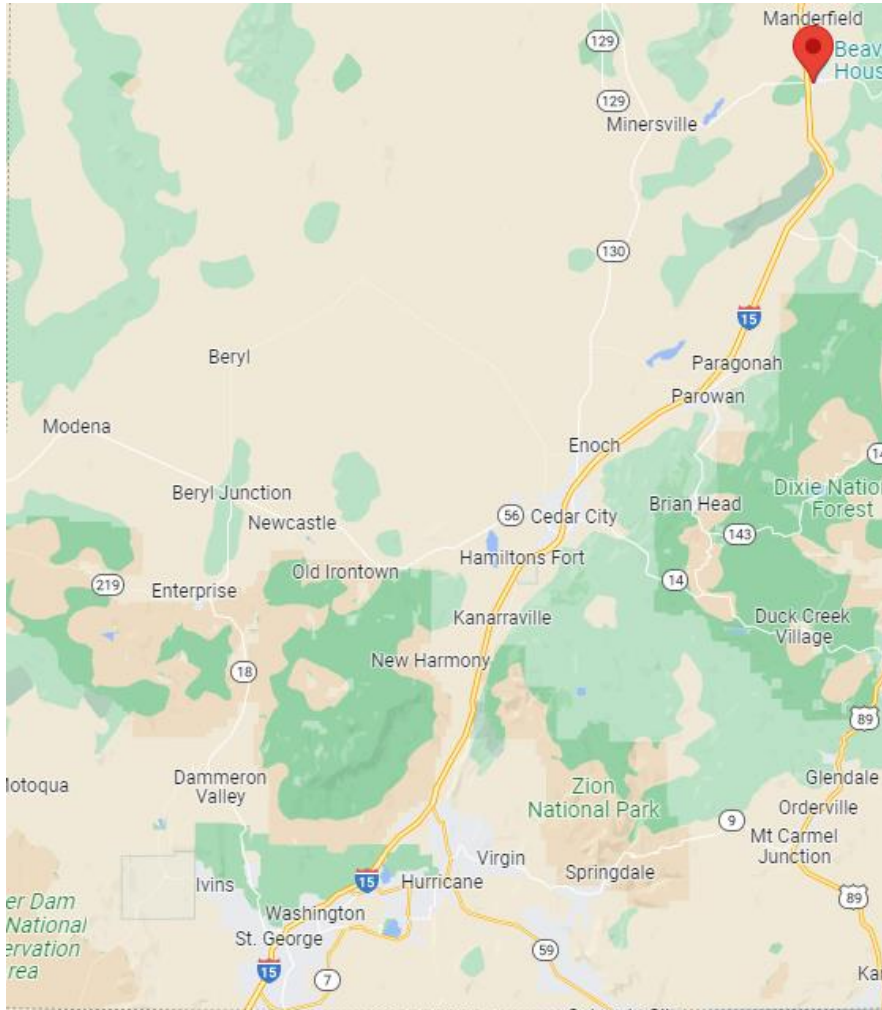
FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION:

The Drinking Water Board authorize a construction loan of \$2,652,620 with \$1,330,620 in principal forgiveness to Beaver City, for a repayable loan amount of \$1,322,000 at 0% for 40 years.

APPLICANT'S LOCATION:

Beaver City is located in Beaver County approximately 104 miles Northeast of St George City.

MAP OF APPLICANT'S LOCATION:



PROJECT DESCRIPTION:

Replacing 10,000 ft of 2-, 4-, and 6-inch distribution line due to inadequate and aged pipe conditions; Construct a building over an existing water well, repair a deteriorating well building roof, and replace approximately 2,200 feet of deteriorating pipelines along Mainstreet.

POPULATION GROWTH:

Population growth has been matched to the DEA's estimates

Year	Population	Connections
Current	3,860	1,603
2030	4,331	2,053
2040	4,940	2,661

COST ESTIMATE:

Legal/Bonding/Admin	\$18,000
Engineering - Design	\$82,000
Engineering - CMS	\$242,500
Construction -	\$1,925,100
Other (land	
Contingency (~10%)	\$411,546
1% Loan Origination Fee	Moved to contingency
Total	\$2,679,146

COST ALLOCATION:

<u>Funding Source</u>	<u>Cost Sharing</u>	<u>Percent of Project</u>
DWB Loan	\$1,322,000	49%
DWB Grant	\$1,330,620	50%
Local Contribution	\$26,526	1%
Total	\$2,679,146	100%

IMPLEMENTATION SCHEDULE:

DWB Funding Authorization:	July 2022
Complete Design	Aug 2022
DDW Plan Approval:	Sep 2022
Advertise for Bids:	Sep 2022
Bid Opening:	Oct 2022
Loan Closing:	Oct 2022
Begin Construction:	Nov 2022
Complete Construction:	March 2023

IPS SUMMARY:

Beaver City does not have any IPS points

CONTACT INFORMATION:

APPLICANT:	Beaver City 30 West 300 North Beaver, Utah 84713 Telephone: 435-438-2451
PRESIDING OFFICIAL & CONTACT PERSON:	Jason Brown, City Manager 30 West 300 North Beaver, Utah 84713 Telephone: 435-438-2451 jbrown@beaverutah.net
TREASURER/RECORDER:	Stacey Phelps 435-438-2451 sphelps@beaverutah.net
CONSULTING ENGINEER:	Tyler Faddis Jones and Demille Engineering 50 South Main #4 Manti, Utah 84642 Telephone: 435-835-4540 ext 403 Tyler.f@onesanddemille.com
BOND ATTORNEY:	Randy Larsen Gilmore Bell 15 West South Temple, ste 1450 Salt Lake City, Utah 84101 Telephone: 801-364-5080 carnold@gilmorebell.com

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Beaver City
 COUNTY: Beaver
 PROJECT DESCRIPTION: Water line replacement, well building

FUNDING SOURCE: Federal SRF

50 % Loan & 50 % P.F.

ESTIMATED POPULATION:	3,860	NO. OF CONNECTIONS:	1377 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$42.68 *			PROJECT TOTAL:	\$2,679,146
CURRENT % OF AGI:	1.54%	FINANCIAL PTS:	55	LOAN AMOUNT:	\$1,322,000
ESTIMATED MEDIAN AGI:	\$33,300			PRINC. FORGIVE.:	\$1,330,620
STATE AGI:	\$46,500			TOTAL REQUEST:	\$2,652,620
SYSTEM % OF STATE AGI:	72%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 0.00%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	40	40		40
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		0.00%
REQUIRED DEBT SERVICE:	\$33,050.00	\$57,285.35		\$33,050.00
*PARTIAL COVERAGE (15%):	\$0.00	\$0.00		\$0.00
*ADD. COVERAGE AND RESERVE (10%):	\$3,305.00	\$5,728.54		\$3,305.00
ANNUAL NEW DEBT PER CONNECTION:	\$26.40	\$45.76		\$26.40
 O & M + FUNDED DEPRECIATION:	 \$710,191.00	 \$710,191.00		 \$710,191.00
OTHER DEBT + COVERAGE:	\$142,500.00	\$142,500.00		\$142,500.00
REPLACEMENT RESERVE ACCOUNT:	\$42,862.05	\$44,073.82		\$42,862.05
ANNUAL EXPENSES PER CONNECTION:	\$650.37	\$651.25		\$650.37
 TOTAL SYSTEM EXPENSES	 \$931,908.05	 \$959,778.71		 \$931,908.05
TAX REVENUE:	\$0.00	\$0.00		\$0.00
<u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$56.40	\$58.08		\$56.40
 % OF ADJUSTED GROSS INCOME:	 2.03%	 2.09%		 2.03%

\$0.00

Agenda Item 4(C)(iii)(c)

DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION ASSISTANCE

APPLICANT'S REQUEST

Timber Lakes is requesting financial assistance to install new master meters, upgrade existing distribution lines, redevelop their existing spring, develop two additional springs with a spring pump station, and a 100k-gallon tank. This project will address a compliance issue and scored 42.6 points on the Project Priority List.

The total project cost is estimated at \$3,295,630. Timber Lakes will be contributing \$32,630 towards the project and is requesting the balance of **\$3,263,000 from the Drinking Water Board.**

STAFF COMMENTS

The MAGI for Heber City, which is adjacent to Timber Lakes is \$51,000, which is 110% of the State MAGI. The current average water bill is \$94.71/ERC, which is 2.15% of the local MAGI. The after-project water bill at a full loan would be \$169.85/ERC or 4.00% of the local MAGI.

Option	Loan/ PF	Loan	Principal Forgiveness	Term	Interest	Water Bill	% Local MAGI
Base	100 / 0	\$3,263,000	\$0	30 yrs	2.64%	\$169.85	4.00%
1	100 / 0	\$3,263,000	\$0	30 yrs	0%	\$164.76	3.88%
2	50 / 50	\$1,631,000	\$1,632,000	30 yrs	2.64%	\$161.77	3.81%
3	0 / 100	\$0	\$3,263,000	-	-	\$153.69	3.62%

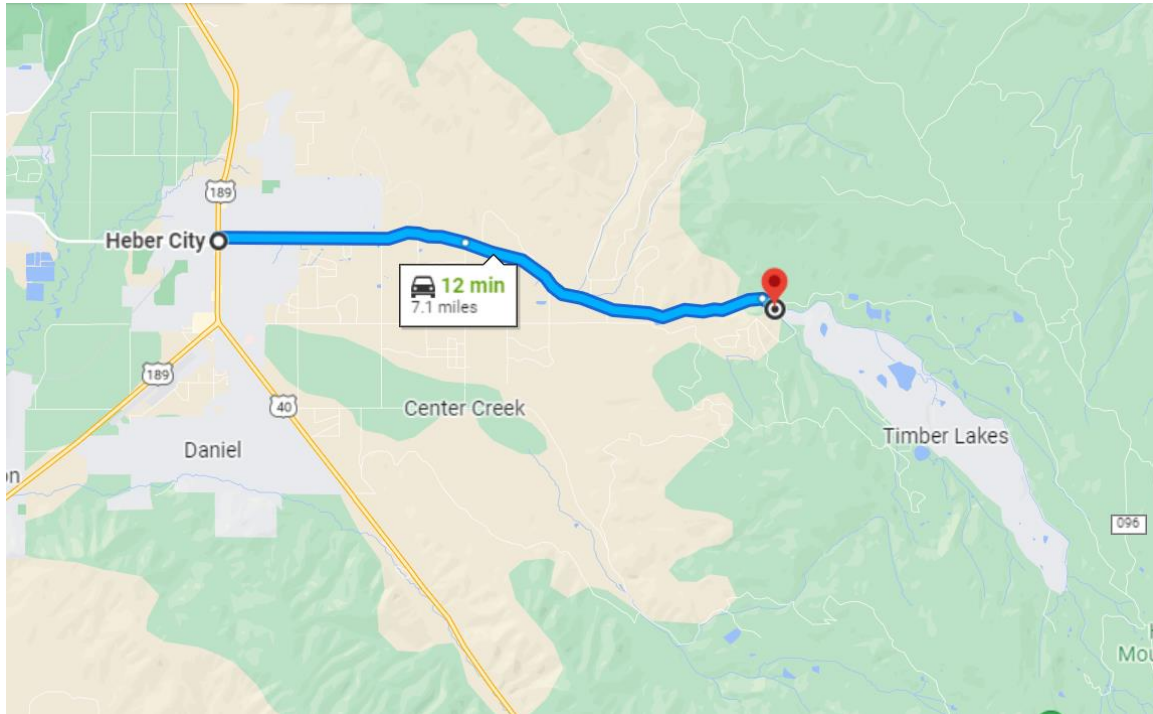
FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION

The Drinking Water Board authorize a loan of \$3,263,000 for 30 years at 0% interest to Timber Lakes Water Special Service District.

Conditions include that they resolve all issues on their compliance report.

APPLICANT'S LOCATION

Timber Lakes is located in a mountainous area approximately 7 miles east of Heber City in Wasatch County.



PROJECT DESCRIPTION

The proposed project includes: 4 new master meters; Additional telemetry; 750 ft of 6-inch pipe; 6,000 ft of 8-in pipe; 2,000 ft of 10-in pipe; 2,700 ft of 12-inch pipe; Dig up and bury pipes deeper to avoid freezing in the winter; Redevelop one spring; Develop two additional springs; Develop a fourth spring with a pump station and about 1,500 feet of pipe to bring spring water to a usable elevation; 100,000 gallon water tank to utilize an existing spring and pump station; Perform water rights inventory and fix points of diversion if necessary.

TLWSSD would like to develop two new springs; a new spring on the north western side of the establishment to service the western side of the district and a spring on the southern side to add redundancy. On the northern side, a pumping station and about 1,500 feet of pipe will need to be installed to bring the water at this spring to a usable elevation. This area is currently supplied by springs on the south eastern side. If the pipeline conveying water to the western part of the community is compromised, the entire western area will not have access to water. Hence, this new spring will add some redundancy to the system as well as help reduce issues related to conveyance of the water over longer distances. The development and redevelopment of additional springs on the southern side will also add redundancy to the system and help fulfill peak demands in the summer. Additional related project components at the spring sites will include manholes, pipes, geomembranes, measurement boxes.

POPULATION GROWTH

Projected population and connections for Timber Lakes is based on a 2.79% growth rate estimated in the SRF application:

Year	Population	Connections
2022	635	942
2042	1,100	1,245

IMPLEMENTATION SCHEDULE

DWB Authorization	July 2022
Begin Design	July 2022
Complete Design/DDW Plan Approval	January 2023
Advertise for Bids/Bid Opening	March 2023
Loan Closing/Begin Construction	April 2023
Complete Construction/DDW Permit	September 2024
DDW Operating Permit	October 2024

COST ESTIMATE

Legal/Bonding	\$ 24,000	
Water Rights	\$ 25,000	
Rights of Way & Easements	\$ 20,000	
Engineering – Planning	\$ 56,000	
Engineering – Design/Permitting	\$ 194,000	} 13%
Engineering – CMS	\$ 167,000	
Construction – Source	\$ 600,000	
Construction – Transmission/Dist.	\$1,074,000	
Construction – Storage	\$ 216,000	
Construction – Pump Station	\$ 165,000	
Other – w pump line, meters, telemetry	\$ 360,000	
Construction contingency	\$ 362,000	11%
DDW Admin Fee	\$ 32,630	
Total Project Cost	\$ 3,295,630	

COST ALLOCATION

Funding Source	Cost Sharing	Percent of Project
Local contribution	\$ 32,630	1%
DWB Loan (30 yrs, 0%)	\$ 3,263,000	99%
Total Amount	\$ 3,295,630	100%

IPS SUMMARY

Code	Description	Physical Facilities	Quality & Monitoring	Significant Deficiency Violations
S091	SYSTEM LACKS UP TO 20% OF REQUIRED SOURCE CAPACITY	15		
	Total	15		

CONTACT INFORMATION

APPLICANT:

Timber Lakes Water Special Service District
PO Box 579
Heber City, UT 84032-0579
(385) 450-0750

**PRESIDING OFFICIAL &
CONTACT PERSON:**

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General Manager
PO Box 579
Heber City, UT 84032-0579
(385) 450-0750
jodydefa@msn.com

TREASURER/RECORDER:

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(801) 254-9718

CONSULTING ENGINEER

Vince Hogge
Franson Civil Engineers
1276 South 820 East, Ste 100
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vhogge@fransoncivil.com

BOND ATTORNEY:

Darci Stephens
Gilmore & Bell, P.C.
15 West South Temple, Ste 1450
Salt Lake City, UT 84101
(801) 258-2728
dstephens@gillmorebell.com

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Timber Lakes Water Special Service District
 COUNTY: Wasatch
 PROJECT DESCRIPTION: Meters, distribution, spring, tank

FUNDING SOURCE: Federal SRF

100 % Loan & 0 % P.F.

ESTIMATED POPULATION:	635	ERC CONNECTIONS:	942 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$94.71 *			PROJECT TOTAL:	\$3,295,630
CURRENT % OF AGI:	2.23%	FINANCIAL PTS:	29	LOAN AMOUNT:	\$3,263,000
ESTIMATED MEDIAN AGI:	\$51,000			PRINC. FORGIVE.:	\$0
STATE AGI:	\$46,500			TOTAL REQUEST:	\$3,263,000
SYSTEM % OF STATE AGI:	110%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 0.00%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	30	30		30
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		0.00%
REQUIRED DEBT SERVICE:	\$108,766.67	\$166,691.11		\$108,766.67
*PARTIAL COVERAGE (15%):	\$0.00	\$0.00		\$0.00
*ADD. COVERAGE AND RESERVE (10%):	\$10,876.67	\$16,669.11		\$10,876.67
ANNUAL NEW DEBT PER CONNECTION:	\$127.01	\$194.65		\$127.01
O & M + FUNDED DEPRECIATION:	\$1,082,691.00	\$1,082,691.00		\$1,082,691.00
OTHER DEBT + COVERAGE:	\$577,393.75	\$577,393.75		\$577,393.75
REPLACEMENT RESERVE ACCOUNT:	\$82,668.63	\$85,564.86		\$82,668.63
ANNUAL EXPENSES PER CONNECTION:	\$1,850.06	\$1,853.13		\$1,850.06
TOTAL SYSTEM EXPENSES	\$1,862,396.72	\$1,929,009.82		\$1,862,396.72
TAX REVENUE:	\$0.00	\$0.00		\$0.00
<u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$164.76	\$170.65		\$164.76
% OF ADJUSTED GROSS INCOME:	3.88%	4.02%		3.88%

\$0.00

Agenda Item 4(C)(iii)(d)

DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION ASSISTANCE

APPLICANT'S REQUEST

Moroni City is requesting supplemental funding to complete construction of a 500,000-gallon storage tank, overflow line, and PRV upgrades. The total amount of estimated funding needed is **\$2,357,000**, of which the city is requesting the full amount from the Drinking Water Board.

STAFF COMMENTS

On November 3, 2020, the Board authorized a loan of \$3,535,000 at 1.0% HGA for 30 years with \$1,050,000 in principal forgiveness to Moroni City to construct several improvements to their drinking water system. Phase 1 of the project –drilling a new well- was completed in spring 2022. Phase 2 design was approved and went out to bid in May 2022. The city received four competitive bids, all significantly higher than the original engineering estimate. The city has calculated they need an additional \$2,357,000 to cover the apparent low bid. Construction is anticipated to start in August 2022.

The MAGI for Moroni is \$38,600, which is 83% of the State MAGI and the current average monthly water bill (including irrigation) is \$62.52/connection, which is 1.94% of the local MAGI. The after-project water bill at a full loan would be \$92.47/connection, which is 2.87% of the local MAGI. Based on the average monthly water bill, the city qualifies to be considered for additional subsidy.

The recommendation is based on the previous loan terms approved by the Board in 2020.

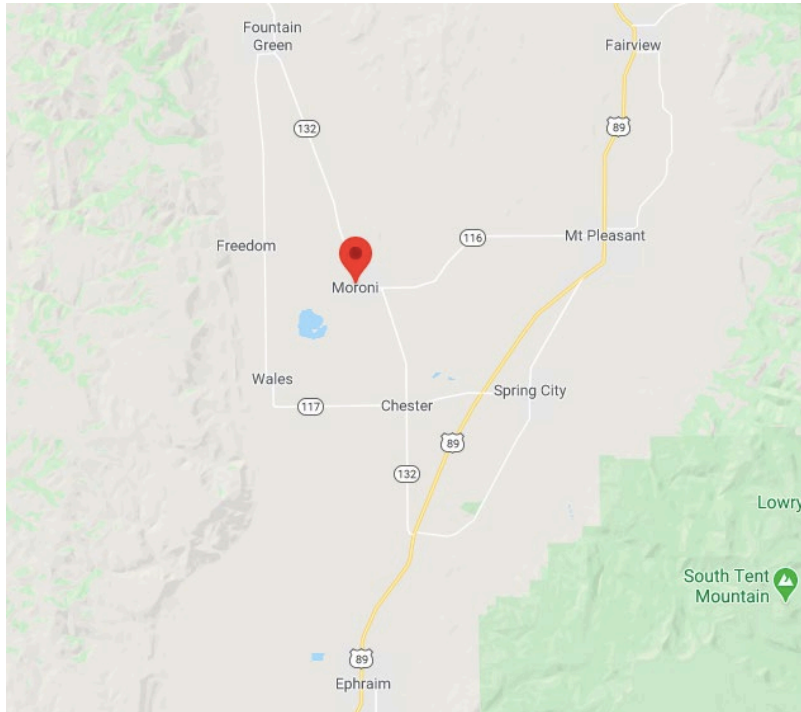
Option	Loan / PF	Loan	Principal Forgiveness	Term	HGA	Water Bill	% Local MAGI
Base	100 / 0	\$ 2,357,000	\$0	30 yrs	2.53%	\$92.47	2.87%
1	70 / 30	\$ 1,650,000	\$ 707,000	30 yrs	1.0%	\$83.03	2.58%

FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION

The Drinking Water Board authorize a construction loan of \$2,357,000 with \$707,000 in Principal Forgiveness to Moroni City for a repayable loan amount of \$1,650,000 at a 1.0% Hardship Grant Assessment fee for 30 years.

APPLICANT'S LOCATION

Moroni City is in Sanpete County, approximately 13 miles north of Ephraim.



PROJECT DESCRIPTION

This project is a supplemental funding request to cover higher than estimated bids to complete Phase 2 of its drinking water improvements project. Phase 2 components include construction of a new well house, 500k gallon storage tank and overflow line, PRV station and pump lines, and several improvements to the existing SCADA and distribution system.

POPULATION GROWTH

Projected population and number of connections for Moroni City is based on a 2% growth rate estimated in their Water Master Plan:

Year	Population	Connections
2020	1,500	520
2030	1,825	676
2040	2,225	833

IMPLEMENTATION SCHEDULE:

DWB Authorization	July 2022
Complete Design	Completed
Plan Approval	Completed
Advertise for Bids	Completed
Begin Construction	August 2022
Bond Closing	September 2022
Complete Construction	September 2023

COST ESTIMATE

	Updated	<i>Original</i>
Legal/Bonding	\$25,000	\$20,000
Administrative	\$468	-
Environmental		\$20,000
Engineering – Design/Bidding	\$509,500	\$200,000
Engineering – CMS		\$294,835
Construction – New Well	\$499,763	\$495,000
Construction – Well house		\$364,000
Construction – Storage Tank	\$4,144,018	\$660,000
Construction – Distribution line, overflow line, well line improvement		\$909,165
Construction – SCADA, metering	\$125,000	\$87,000
Power/Well Service Elect./Well Samples	\$69,500	-
Land Acquisition	\$20,000	\$25,000
Contingency	\$500,000	\$460,000
Total Project Cost	\$5,893,249	\$3,535,000

COST ALLOCATION

Funding Source	Cost Sharing	Percent of Project
DWB Loan (30 yrs, 1%)	\$ 1,650,000	70%
DWB Principal Forgiveness	\$ 707,000	30%
Total Amount	\$ 2,357,000	100%

CONTACT INFORMATION

APPLICANT:

Moroni City
80 South 200 West
Moroni, Utah 84646
Telephone: (435) 436-8359
recorder@cut.net

**PRESIDING OFFICIAL or
CONTACT PERSON:**

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Mayor
80 South 200 West
Moroni, Utah 84646
Telephone: (435) 436-8359

CONSULTING ENGINEER:

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Sunrise Engineering
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Fillmore, Utah 84631
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rworley@sunrise-eng.com

BOND ATTORNEY

Richard Chamberlain
Chamberlain Associates
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(801) 436-4461
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TREASURER/RECORDER:

Carol Haskins
Telephone: (435) 436-8359
recorder@cut.net

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Moroni City
 COUNTY: Sanpete
 PROJECT DESCRIPTION: Tank/overflow line/PRV supplemental funding

FUNDING SOURCE: Federal SRF

70 % Loan & 30 % P.F.

ESTIMATED POPULATION:	1,500	NO. of CONNECTIONS:	542 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$62.52 *incl irrigation			PROJECT TOTAL:	\$2,357,000
CURRENT % OF AGI:	1.94%	FINANCIAL PTS:	39	LOAN AMOUNT:	\$1,650,000
ESTIMATED MEDIAN AGI:	\$38,600			PRINC. FORGIVE.:	\$707,000
STATE AGI:	\$46,500			TOTAL REQUEST:	\$2,357,000
SYSTEM % OF STATE AGI:	83%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.32%		AFTER REPAYMENT PENALTY & POINTS 1.00%
SYSTEM				
ASSUMED LENGTH OF DEBT, YRS:	30	30		30
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.32%		1.00%
Stmnt REQUIRED DEBT SERVICE:	\$55,000.00	\$87,700.95		\$63,934.39
*PARTIAL COVERAGE (15%):	\$8,250.00	\$13,155.14		\$9,590.16
*ADD. COVERAGE AND RESERVE (10%):	\$5,500.00	\$8,770.10		\$6,393.44
ANNUAL NEW DEBT PER CONNECTION:	\$126.85	\$202.26		\$147.45
O & M + FUNDED DEPRECIATION:	\$172,000.00	\$172,000.00		\$172,000.00
OTHER DEBT + COVERAGE:	\$133,578.75	\$133,578.75		\$133,578.75
Stmnt REPLACEMENT RESERVE ACCOUNT:	\$0.00	\$0.00		\$0.00
ANNUAL EXPENSES PER CONNECTION:	\$563.80	\$563.80		\$563.80
TOTAL SYSTEM EXPENSES	\$374,328.75	\$415,204.94		\$385,496.73
TAX REVENUE:	\$0.00	\$0.00		\$0.00
RESIDENCE				
MONTHLY NEEDED WATER BILL:	\$81.31	\$87.60		\$83.03
% OF ADJUSTED GROSS INCOME:	2.53%	2.72%		2.58%

Agenda Item 4(C)(iii)(e)

DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION LOAN

APPLICANT'S REQUEST:

Canyon Meadows Mutual Water Company was authorized funding through a loan in the amount of \$2,725,000 at 1.0% HGA fee for 30 years with \$550,000 in principal forgiveness on January 15, 2019. This was for a project consisting of a transmission line, distribution line with fire hydrants, 150,000-gallon tank and water treatment plant.

As they are nearing the end of the project, they have felt the impacts of construction inflation as well as identifying some additional improvements that will further enhance the system including SCADA replacement and radio read meters.

Therefore, they are requesting additional funds in the amount of \$287,879.

Canyon Meadows scored 35.1 points on the project priority list.

STAFF COMMENTS:

The local MAGI for Canyon Meadows is approximately \$65,000 (140% of the state MAGI); the after-project water bill at full loan would be \$515.72 or 9.52% of the local MAGI. Therefore, they do qualify as a hardship community to receive additional subsidization.

The financial analysis is based on the percentages of the original funding package of 80/20 split.

Option	Loan / Grant	Principal Forgiveness	Loan	Term	Interest Rate	Water Bill	% Local MAGI
1	100% loan	\$0	\$287,879	20 yrs	0%	\$158.41	2.30%
2	80/20	\$57,879	\$230,000	30 yrs	1.0%	\$155.19	2.25%
3	100% PF	\$287,879	\$0			\$142.37	2.07%

FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION:

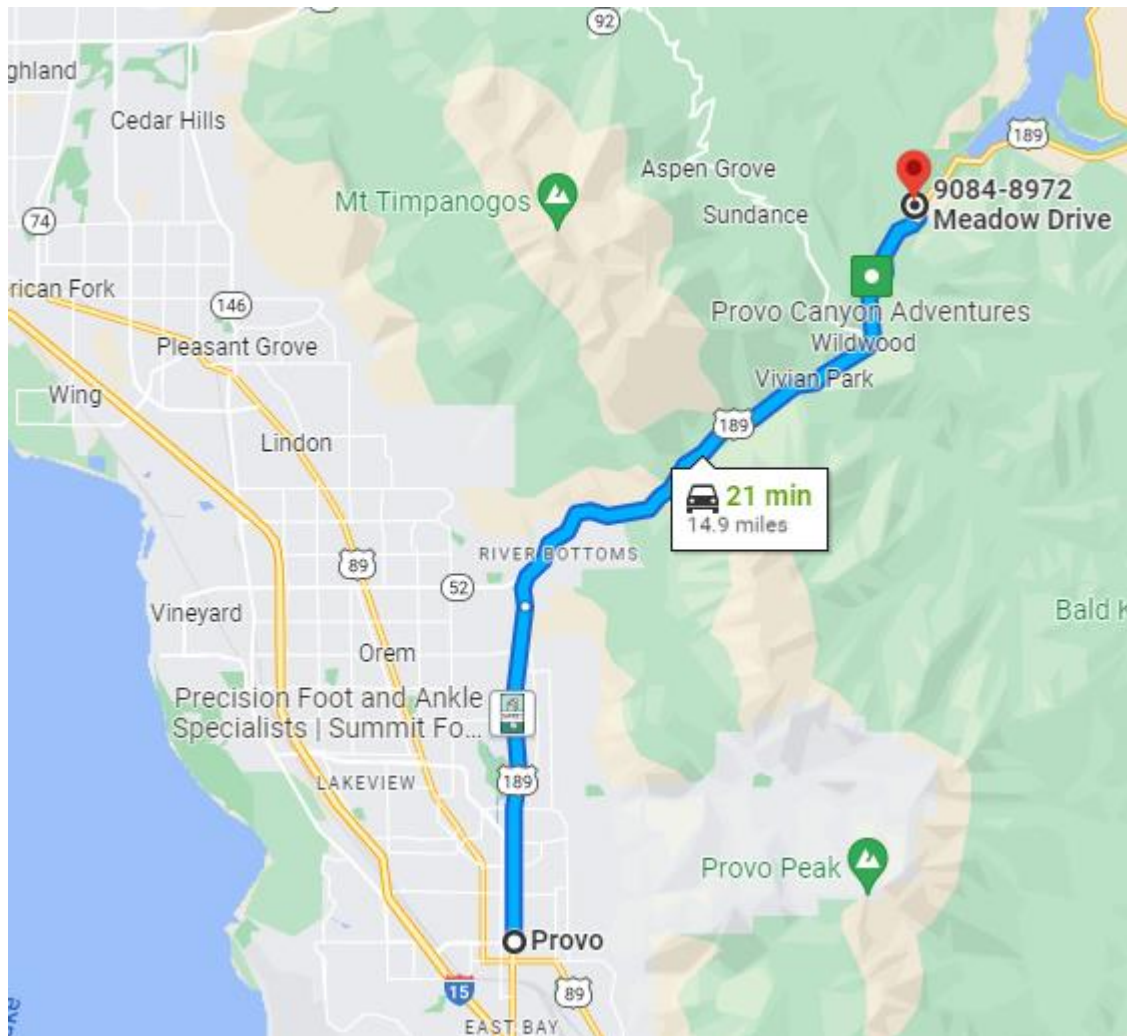
The Drinking Water Board authorize a construction loan of \$287,879 with \$57,879 Principal Forgiveness to Canyon Meadows Mutual Water Company for a repayable loan amount of \$230,000 at 1.0% Hardship Grant Assessment Fee for 30 years.

Conditions include that they resolve all issues on their compliance report.

APPLICANT'S LOCATION:

Canyon Meadows Mutual Water Company is located in Wasatch County 15 miles Northeast of Provo City.

MAP OF APPLICANT'S LOCATION:



PROJECT DESCRIPTION:

Canyon Meadows was authorized funding by the Drinking Water Board to build a storage tank and install distribution lines throughout the system. They are nearing the end of the project and have run into a slight funding shortage based on construction material inflation. They would like to upgrade their SCADA system as well as install radio read meters as well.

POPULATION GROWTH:

Projected populations based on the DEA Growth Projections, and number of connections are shown in the table below:

Year	Population	Connections
Current	100	32
2025	110	32
2030	115	33
2035	120	34
2040	125	35

IMPLEMENTATION SCHEDULE:

DWB Funding Authorization:	June 2022
Complete Design:	Complete
Plan Approval:	Complete
Advertise for Bids:	Complete
Begin Construction:	On going
Complete Construction:	Aug 2022

COST ESTIMATE:

Legal – Bonding, Admin	\$12,000
Engineering- Plan, Design, CMS	\$10,000
Construction inflation	\$165,879
Construction – SCADA	\$65,000
Construction – meters	\$35,000
Total Project Cost	\$287,879

COST ALLOCATION:

The cost allocation proposed for the project is shown below:

<u>Funding Source</u>	<u>Cost Sharing</u>	<u>Percent of Project</u>
DWB Loan	\$230,000	80%
DWB Principal Forgiveness	\$57,879	20%
Total	\$287,879	100%

CONTACT INFORMATION:

APPLICANT:

Canyon Meadows Mutual Water Co
8827 Lupine Drive
Provo, Utah 84604
928-243-0038
Coachk53@hotmail.com

**PRESIDING OFFICIAL &
CONTACT PERSON:**

Kraig Higginson
President
8827 Lupine Drive
Provo, Utah 84604
801-318-0291
kraig@kittsgroup.com

CONSULTING ENGINEER:

Ted Mickelson
Jones and Demille Engineering
775 West 1200 North ste 200A&200D
Springville, Utah 84663
801-692-0219 ext. 603
Ted.m@jonesanddemille.com

BOND ATTORNEY:

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Johnson, Patterson & Yellowhorse
PO Box 831
Pleasant Grove, UT 84062
801-894-4364
eric@publicprivatelaw.com

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Canyon Meadows
 COUNTY: wasatch
 PROJECT DESCRIPTION: Additional funding to complete dist sys

FUNDING SOURCE: Federal SRF

80 % Loan & 20 % P.F.

ESTIMATED POPULATION:	100	NO. OF CONNECTIONS:	86 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$112.64 *			PROJECT TOTAL:	\$287,879
CURRENT % OF AGI:	1.63%	FINANCIAL PTS:	22	LOAN AMOUNT:	\$230,000
ESTIMATED MEDIAN AGI:	\$82,699			PRINC. FORGIVE.:	\$57,879
STATE AGI:	\$46,500			TOTAL REQUEST:	\$287,879
SYSTEM % OF STATE AGI:	178%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 0.00%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	20	20		20
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		0.00%
REQUIRED DEBT SERVICE:	\$11,500.00	\$15,473.91		\$11,500.00
*PARTIAL COVERAGE (15%):	\$0.00	\$0.00		\$0.00
*ADD. COVERAGE AND RESERVE (10%):	\$1,150.00	\$1,547.39		\$1,150.00
ANNUAL NEW DEBT PER CONNECTION:	\$147.09	\$197.92		\$147.09
O & M + FUNDED DEPRECIATION:	\$50,169.00	\$50,169.00		\$50,169.00
OTHER DEBT + COVERAGE:	\$90,625.00	\$90,625.00		\$90,625.00
REPLACEMENT RESERVE ACCOUNT:	\$6,708.45	\$6,907.15		\$6,708.45
ANNUAL EXPENSES PER CONNECTION:	\$1,715.14	\$1,717.46		\$1,715.14
TOTAL SYSTEM EXPENSES	\$160,152.45	\$164,722.45		\$160,152.45
TAX REVENUE:	\$0.00	\$0.00		\$0.00
<u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$155.19	\$159.61		\$155.19
% OF ADJUSTED GROSS INCOME:	2.25%	2.32%		2.25%

\$0.00

Agenda Item 4(C)(iii)(f)

**DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION ASSISTANCE
PRESENTED TO THE DRINKING WATER BOARD**

APPLICANT'S REQUEST:

Granger Hunter Improvement District (GHID) is requesting \$13,811,820 in financial assistance to install over 13,000 feet of waterline, build a new 4,000 gpm pump station, and install a backup generator. This project is included in the District's current master plan.

PROJECT DESCRIPTION:

The existing cast iron waterline was originally installed in 1957 and has reached the end of its useful life. It has experienced multiple failures over the last few years and there is an elevated risk of failure during a large earthquake. In the event of waterline failure, up to 6,000 customers could be left without water.

The Ridgeland Pump Station and generator have also reached the end of their useful life. The pump station does not meet current seismic code and could experience significant damage in the event of a large earthquake. In the event of damage or failure, water service to over 70,000 people could be negatively affected.

STAFF COMMENTS:

GHID is located in Salt Lake County and provides drinking water and sewer service to a large area, including West Valley City. The District's service area lies mainly in 2 ZIP codes, 84119 and 84120. The average Median Adjusted Goss Income (MAGI) for these two ZIP codes is approximately \$34,750 which is 74.7% of the State MAGI. The current average water bill is \$57.51 per connection, which is 1.99% of the average local MAGI. The estimated after-project water bill at a full loan is \$62.16 per month per connection, or 2.15% of local MAGI. The District currently has no IPS points assessed against it.

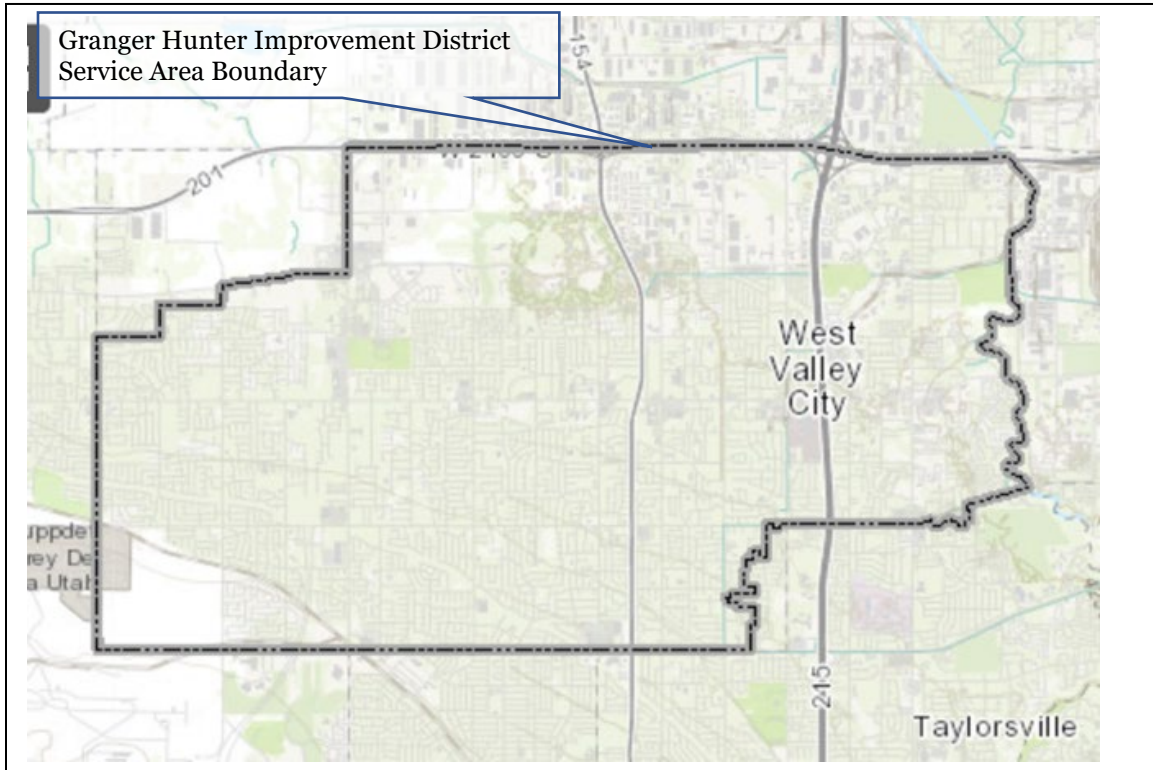
Option	Loan / Grant	Subsidy	Loan	Term	Interest Rate	Water Bill	% Local MAGI
Base Analysis	100% / 0%	\$0	\$13,811,820	30 yrs	1.85%	\$62.16	2.15%
1	80% / 20%	\$2,811,820	\$11,000,000	30 yrs	0.50%	\$61.52	2.12%

FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION:

The Financial Assistance Committee recommends the Drinking Water Board authorize a \$13,811,820 construction loan with \$2,811,820 in principal forgiveness to Granger Hunter Improvement District, for a total repayable loan amount of \$11,000,000 at 0.50% hardship grant assessment fee, in lieu of interest, for 30 years.

APPLICANT'S LOCATION:

GHID is located in Salt Lake County.



POPULATION GROWTH:

The estimated population growth for GHID is:

Year	Population	Connections
Current	132,887	31,281
2030	149,312	47,898
2040	167,767	49,928

COST ESTIMATE:

Legal/Bonding/Admin	\$	148,850
Environmental Clearances		45,000
Engineering – Design		623,100
Engineering – Construction Mgmt		772,200
Engineering – Materials Testing		53,810
Engineering – Public Involvement		50,000
Construction		8,246,000
Contingency		2,473,800
Inflation/Potential Cost Escalation		1,399,060
Total	\$	13,811,820

COST ALLOCATION:

<u>Funding Source</u>	<u>Cost Sharing</u>	<u>Percent of Project</u>
DWB Loan (0.50%, 30 yrs)	\$ 11,000,000	80%
DWB Principal Forgiveness	2,811,820	20%
Total	\$ 13,811,820	100%

IMPLEMENTATION SCHEDULE:

DWB Funding Authorization:	July 2022
Public Hearings	July 2022
Complete Design	December 2022
DDW Plan Approval	January 2023
Bid Opening	March 2023
Begin Construction	April 2023
Complete Construction	December 2024
Receive DDW Operating Permit	April 2025

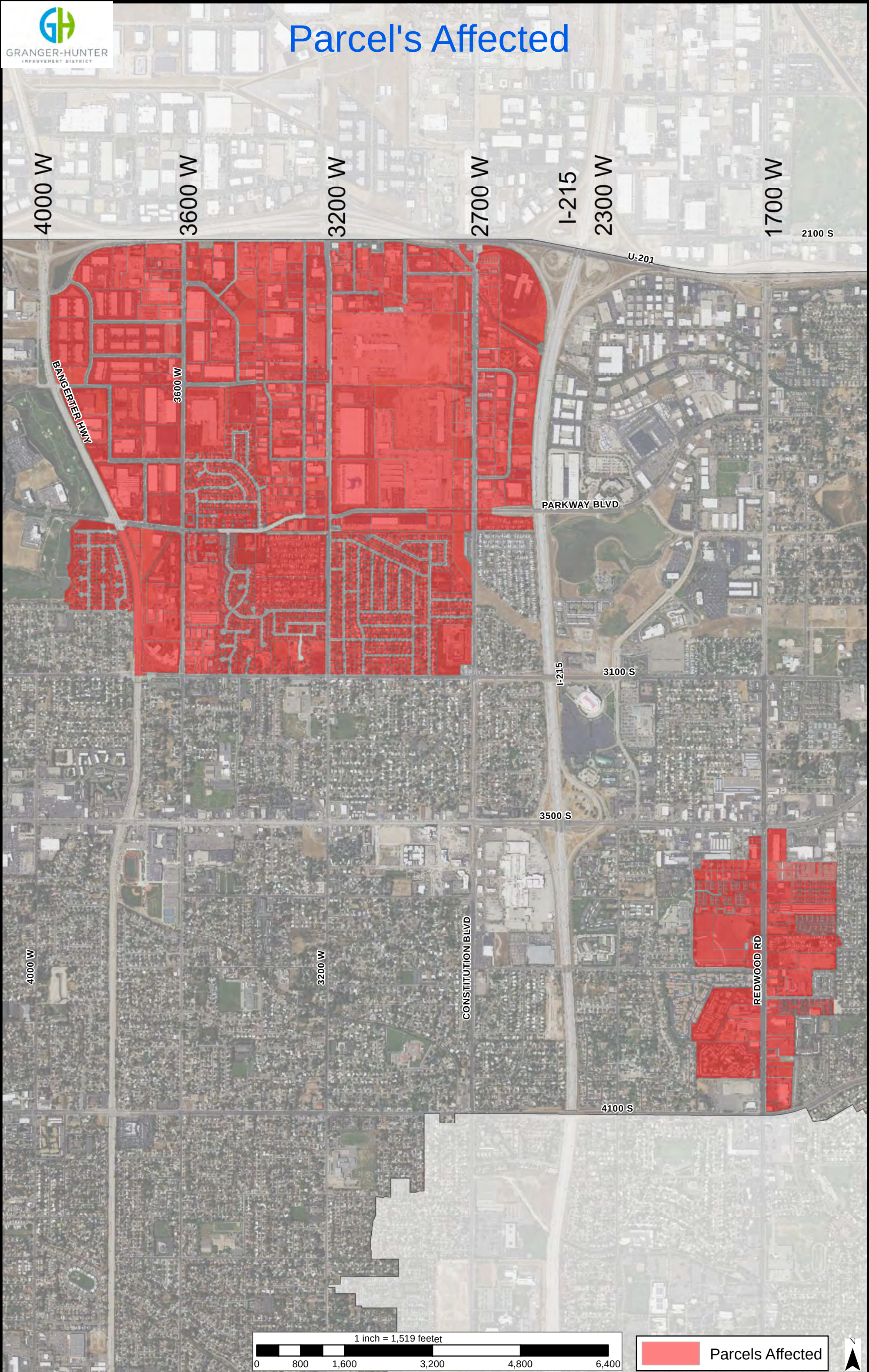
IPS SUMMARY:

Code	Description	Physical Facilities	Quality & Monitoring	Significant Deficiency Violations
	Total =	0	0	0

CONTACT INFORMATION:

APPLICANT:	Granger Hunter Improvement District 2888 South 3600 West West Valley City, Utah 84119 Telephone: 801-968-3551
PRESIDING OFFICIAL & CONTACT PERSON:	Jason Helm, General Manager 2888 South 3600 West West Valley City, Utah 84119 Telephone: 801-968-3551 Email: j.helm@ghid.org
TREASURER/RECORDER:	Austin Ballard 2888 South 3600 West West Valley City, Utah 84119 Telephone: 801-968-3551 Email: a.ballard@ghid.org
CONSULTING ENGINEER:	Christina Osborn J-U-B Engineers 392 East Winchester Street, Ste 300 Salt Lake City, Utah 84107 Telephone: 801-886-9052 Email: cosborn@jub.com@sunrise-eng.com
ENVIRONMENTAL CONSULTANT:	Marti Hoge J-U-B Engineers 392 East Winchester Street, Ste 300 Salt Lake City, Utah 84107 Telephone: 801-886-9052 Email: mhoge@jub.com
BOND ATTORNEY:	Randall Larsen Gilmore Bell 15 West South Temple, Ste 1450 Salt Lake City, Utah 84101 Telephone: 801-364-5080 Email: rlarsen@gilmorebell.com

Parcel's Affected



DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Granger Hunter ID
 COUNTY: Salt Lake
 PROJECT DESCRIPTION: new pump station, generator, waterline

FUNDING SOURCE: Federal SRF

100 % Loan & 0 % P.F.

ESTIMATED POPULATION:	132,887	NO. OF CONNECTIONS:	31,281 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$57.51 *			PROJECT TOTAL:	\$13,811,820
CURRENT % OF AGI:	1.99%	FINANCIAL PTS:	55	LOAN AMOUNT:	\$13,811,820
ESTIMATED MEDIAN AGI:	\$34,750			PRINC. FORGIVE.:	\$0
STATE AGI:	\$46,500			TOTAL REQUEST:	\$13,811,820
SYSTEM % OF STATE AGI:	74.7%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 1.85%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	30	30		30
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		1.85%
REQUIRED DEBT SERVICE:	\$460,394.00	\$705,580.01		\$604,050.12
*PARTIAL COVERAGE (15%):	\$0.00	\$0.00		\$0.00
*ADD. COVERAGE AND RESERVE (10%):	\$46,039.40	\$70,558.00		\$60,405.01
ANNUAL NEW DEBT PER CONNECTION:	\$16.19	\$24.81		\$21.24
O & M + FUNDED DEPRECIATION:	\$20,627,258.00	\$20,627,258.00		\$20,627,258.00
OTHER DEBT + COVERAGE:	\$941,250.00	\$941,250.00		\$941,250.00
REPLACEMENT RESERVE ACCOUNT:	\$1,092,032.60	\$1,104,291.90		\$1,099,215.41
ANNUAL EXPENSES PER CONNECTION:	\$724.42	\$724.81		\$724.65
TOTAL SYSTEM EXPENSES	\$23,166,974.00	\$23,448,937.91		\$23,332,178.54
TAX REVENUE:	\$2,380,476.00	\$2,380,476.00		\$2,380,476.00
<u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$61.72	\$62.47		\$62.16
% OF ADJUSTED GROSS INCOME:	2.13%	2.16%		2.15%

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Granger Hunter ID
 COUNTY: Salt Lake
 PROJECT DESCRIPTION: new pump station, generator, waterline

FUNDING SOURCE: Federal SRF

80 % Loan & 20 % P.F.

ESTIMATED POPULATION:	132,887	NO. OF CONNECTIONS:	31,281 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$57.51 *			PROJECT TOTAL:	\$13,811,820
CURRENT % OF AGI:	1.99%	FINANCIAL PTS:	55	LOAN AMOUNT:	\$11,000,000
ESTIMATED MEDIAN AGI:	\$34,750			PRINC. FORGIVE.:	\$2,811,820
STATE AGI:	\$46,500			TOTAL REQUEST:	\$13,811,820
SYSTEM % OF STATE AGI:	74.7%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 0.50%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	30	30		30
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		0.50%
REQUIRED DEBT SERVICE:	\$366,666.67	\$561,937.53		\$395,768.10
*PARTIAL COVERAGE (15%):	\$0.00	\$0.00		\$0.00
*ADD. COVERAGE AND RESERVE (10%):	\$36,666.67	\$56,193.75		\$39,576.81
ANNUAL NEW DEBT PER CONNECTION:	\$12.89	\$19.76		\$13.92
O & M + FUNDED DEPRECIATION:	\$20,627,258.00	\$20,627,258.00		\$20,627,258.00
OTHER DEBT + COVERAGE:	\$941,250.00	\$941,250.00		\$941,250.00
REPLACEMENT RESERVE ACCOUNT:	\$1,087,346.23	\$1,097,109.78		\$1,088,801.31
ANNUAL EXPENSES PER CONNECTION:	\$724.27	\$724.58		\$724.32
TOTAL SYSTEM EXPENSES	\$23,059,187.57	\$23,283,749.06		\$23,092,654.22
TAX REVENUE:	\$2,380,476.00	\$2,380,476.00		\$2,380,476.00
<u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$61.43	\$62.03		\$61.52
% OF ADJUSTED GROSS INCOME:	2.12%	2.14%		2.12%

Agenda Item 4(C)(iii)(g)

DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION ASSISTANCE

APPLICANT'S REQUEST:

Helper City is requesting financial assistance for transmission line, well, and storage tank rehabilitation, meter replacement, and a new SCADA system. This project will address a compliance issue and scored 20.3 points on the Project Priority List.

The total project cost is estimated at \$3,450,160. Helper City will be contributing \$34,160 towards the project and is requesting the balance of **\$3,416,000 from the Drinking Water Board.**

STAFF COMMENTS:

The MAGI for Helper City is \$37,000, or 80% of the State MAGI. The current average water bill is \$64.86/ERC, or 2.1% of the local MAGI. The after-project water bill at a full loan would be \$100.44/ERC or 3.26% of the local MAGI.

Based on population, rural location and after-project water bill, Helper City qualifies to be considered for American Rescue Plan Act of 2021 (ARPA) grant funding.

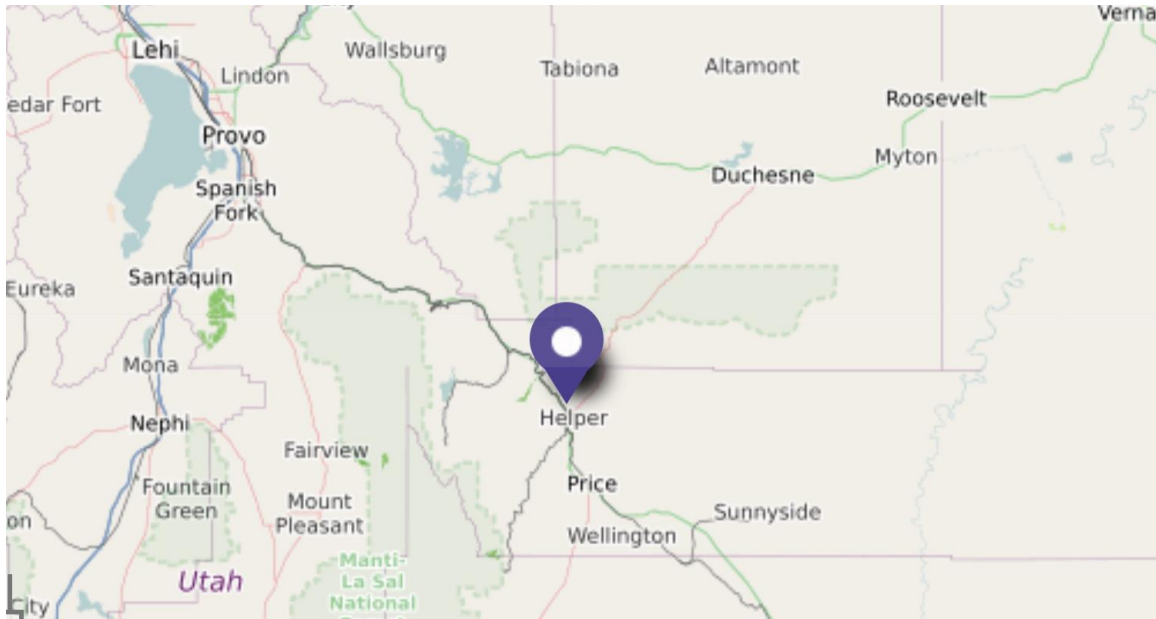
Option	Loan/ Grant	Loan	Grant	Term	Interest	Water Bill	% Local MAGI
Base	100 / 0	\$3,416,000	\$0	30 yrs	1.94%	\$100.44	3.26%
1	100 / 0	\$3,416,000	\$0	30 yrs	0%	\$96.97	3.14%
2	0 / 100	\$0	\$3,416,000	-	-	\$86.38	2.80%

FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION

The Drinking Water Board authorize an ARPA Grant of \$3,416,000 to Helper City.

APPLICANT'S LOCATION:

Helper City is located in Carbon County approximately 7 miles North of Price.



PROJECT DESCRIPTION:

2.4 miles of 8-inch HDPE transmission line from Fish Creek Springs; 3.5 miles of 10-inch C-900 PVC transmission line from Royal to Helper; rehabilitation of Colton Well; meter replacement and SCADA installation at Royal; rehabilitation of culinary water storage tanks

Transmission line will be installed along Highway 6 a few miles north of Helper, and along Price River about 12 miles northwest of Helper.

Rehabilitation of the Colton Well is necessary to maximize capacity and reliability of the water source.

Rehabilitation of the system's three water storage tanks is necessary to optimize use and reliability. This includes inspecting, sand-blasting, and painting the interior of the tanks and replacing and adjusting the cathodic protection at each tank.

Helper City recently rehabilitated Fish Creek Springs but has not been able to utilize water from the springs due to the deteriorated condition of the transmission pipeline. Also, the transmission pipeline along Highway 6 is in need of replacement.

POPULATION GROWTH:

Population growth is based on the GOMB projections

Year	Population	Connections
Current	2,159	1,124
2030	2,300	1,135
2040	2,500	1,150

IMPLEMENTATION SCHEDULE

DWB Authorization	July 2022
Begin Design	August 2022
Complete Design/DDW Plan Approval	January 2023
Advertise for Bids/Bid Opening	March 2023
Loan Closing/Begin Construction	May 2023
Complete Construction/DDW Permit	November 2024
DDW Operating Permit	December 2024

COST ESTIMATE

Legal/Bonding	\$ 29,000	
Engineering – Design	\$ 221,000	} 12.8%
Engineering – CMS	\$ 221,000	
Construction – Source	\$ 100,000	
Construction – Transmission	\$2,011,000	
Construction – Storage	\$ 400,000	
Other – Meters / SCADA	\$ 50,000	
Construction contingency	\$ 384,000	11%
DDW Admin Fee	\$ 34,160	
Total Project Cost	\$ 3,450,160	

COST ALLOCATION

Funding Source	Cost Sharing	Percent of Project
Local contribution	\$ 34,160	1%
DWB Loan (30 yrs, 0%)	\$ 3,416,000	99%
Total Amount	\$ 3,450,160	100%

IPS SUMMARY

Code	Description	Physical Facilities	Quality & Monitoring	Significant Deficiency Violations
	Total	0		

CONTACT INFORMATION:

APPLICANT:

Helper City
58 South Main Street
Helper, Utah 84526
Telephone: 435-472-5391

**PRESIDING OFFICIAL &
CONTACT PERSON:**

Lenise Peterman, Mayor
58 South Main Street
Helper, Utah 84526
Telephone: 435-472-5391
mayor@helpercite.net

TREASURER/RECORDER:

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435-472-5391
ztonic@helpercite.net

CONSULTING ENGINEER:

Lauren Ploeger
Franson Civil Engineers
1276 S 820 E, ste 100
American Fork, Utah 84003
Telephone: 801-756-0309
lploeger@fransoncivil.com

BOND ATTORNEY:

Dominique Kiahtipes
Law Office of Dominique Kiahtipes, PLLC
850 S Carbon Ave. - PO Box 400
Price, UT 84501
dominiquekiahtipes@gmail.com

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Helper City

FUNDING SOURCE: Federal SRF

COUNTY: Carbon

PROJECT DESCRIPTION: transmission line, well, and storage tank rehabilitation, meter replacement, SCADA

0 % Loan & 100 % P.F.

ESTIMATED POPULATION:	2,159	NO. OF CONNECTIONS:	1031 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$64.86 *			PROJECT TOTAL:	\$3,450,160
CURRENT % OF AGI:	2.10%	FINANCIAL PTS:	52	LOAN AMOUNT:	\$0
ESTIMATED MEDIAN AGI:	\$37,000			PRINC. FORGIVE.:	\$3,416,000
STATE AGI:	\$46,500			TOTAL REQUEST:	\$3,416,000
SYSTEM % OF STATE AGI:	80%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%	AFTER REPAYMENT PENALTY & POINTS 1.94%
SYSTEM			
ASSUMED LENGTH OF DEBT, YRS:	30	30	30
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%	1.94%
REQUIRED DEBT SERVICE:	\$0.00	\$0.00	\$0.00
*PARTIAL COVERAGE (15%):	\$0.00	\$0.00	\$0.00
*ADD. COVERAGE AND RESERVE (10%):	\$0.00	\$0.00	\$0.00
ANNUAL NEW DEBT PER CONNECTION:	\$0.00	\$0.00	\$0.00
O & M + FUNDED DEPRECIATION:	\$439,804.00	\$439,804.00	\$439,804.00
OTHER DEBT + COVERAGE:	\$583,593.75	\$583,593.75	\$583,593.75
REPLACEMENT RESERVE ACCOUNT:	\$45,333.95	\$45,333.95	\$45,333.95
ANNUAL EXPENSES PER CONNECTION:	\$1,036.60	\$1,036.60	\$1,036.60
TOTAL SYSTEM EXPENSES	\$1,068,731.70	\$1,068,731.70	\$1,068,731.70
TAX REVENUE:	\$0.00	\$0.00	\$0.00
RESIDENCE			
MONTHLY NEEDED WATER BILL:	\$86.38	\$86.38	\$86.38
% OF ADJUSTED GROSS INCOME:	2.80%	2.80%	2.80%

\$0.00

Agenda Item 4(C)(iii)(h)

**DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION LOAN**

APPLICANT'S REQUEST

Provo City is requesting financial assistance to construct a 20 MGD water treatment plant and transmission line as part of Phase II of its aquifer storage and recovery project. This project scored 15.1 points on the Project Priority List.

The total cost of Phase II is estimated at \$69,500,000. The city has secured a \$36,750,000 loan (30 years, 1% interest) from the Board of Water Resources to partially fund both phases of the project. The city is contributing \$5,250,000 towards the project and anticipates additional grant funding (Utah County, BRIC*) will be available for the project. Provo City is requesting the balance of **\$36,750,000 from the Drinking Water Board.**

STAFF COMMENTS

The local MAGI for Provo is \$30,600, which is 66% of the State MAGI and the current average residential monthly water bill is \$46.77/connection, which is 1.83% of the local MAGI. The after-project water bill at a full loan would be \$74.72/connection or 2.93% of the local MAGI. Based on MAGI and the average residential water bill, the city qualifies to be considered for additional subsidy. The following options were evaluated:

Option	Loan / PF	Loan	Principal Forgiveness	Term	Interest/ HGA	Water Bill	% Local MAGI
Base	100 / 0	\$36,750,000	\$0	30 yrs	1.91%	\$74.72	2.93%
1	100 / 0	\$36,750,000	\$0	40 yrs	1.0%	\$71.97	2.82%

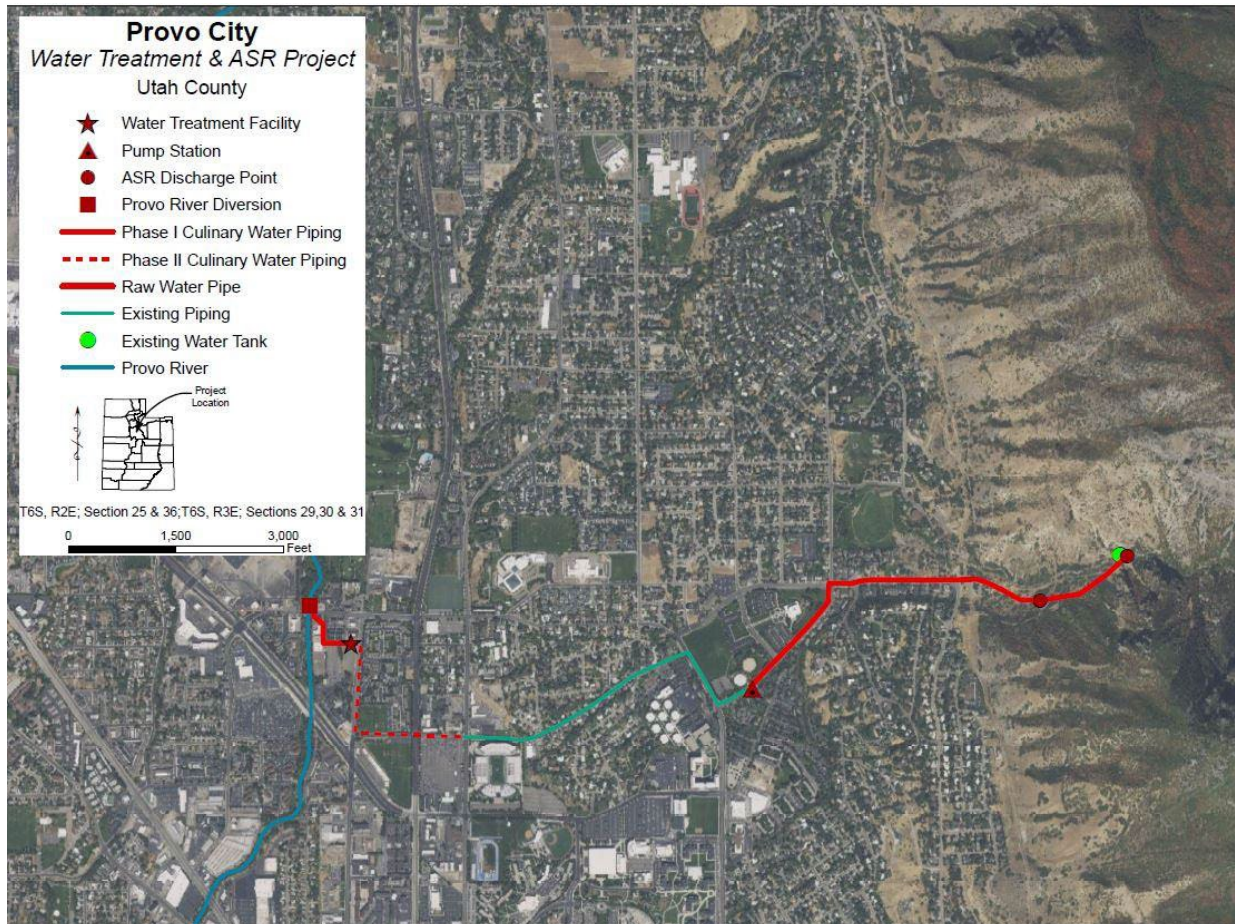
FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION

The Drinking Water Board authorize a loan of up to \$36,750,000 at 1.0% interest for 40 years to Provo City.

Conditions include that they resolve all issues on their compliance report.

APPLICANT'S LOCATION

Provo is the largest city in Utah County with a population of approximately 126,000.



PROJECT DESCRIPTION

This project is prompted by declining groundwater levels in the region. The Utah/Goshen Valley Groundwater Management Plan and the Cedar Valley and Northern Utah Groundwater Management Plan indicate that groundwater levels are dropping. The Utah Water Strategy cites aquifer storage and recovery (ASR) as a viable technology to increase the resiliency of groundwater supply. When the project was first conceived, it included only ASR components. The city has since decided to proceed with adding a 20 MGD culinary water treatment facility to utilize more of its Provo River water rights. The overall project is estimated at \$96,000,000 and will be split into two phases.

Phase I is made up primarily of ASR components and includes replacement of a booster pump station, upgrade of electrical systems, and installation of approximately 6,400 feet of a distribution line to carry water east to Rock Canyon where it will be diverted into a storage tank or discharged onto two infiltration locations. Phase I also includes improvement work on the Provo River diversion, and installation of approximately 800 feet of raw water pipeline from the diversion to the proposed water treatment plant site.

Construction on the river diversion is underway and it is anticipated work on the ASR components will begin in the summer of 2022. Phase I costs are estimated at \$26,500,000 and is being funded with a combination of a loan from the Board of Water Resources, a WaterSMART Grant from the Bureau of Reclamation, and city funds.

Phase II includes construction of the water treatment plant and installation of a transmission line to the pump station. The proposed treatment plant includes a two-level process area featuring inline coagulation, low service pumps, strainers, pressurized ultrafiltration membranes and cleaning system, advanced oxidation using UV and hydrogen peroxide, chlorine disinfection, clearwell storage in a below-ground tank, high service pumping, compressed air system, and ancillary components including site development and utilities, a new building with HVAC, plumbing, fire protection, electrical systems including a stand-by generator, instrumentation and controls, and a SCADA system. The transmission line includes 2,850 feet of 36-inch diameter pipe beginning from the plant on Freedom Blvd up to the new booster pump station at Temple View Drive.

It is anticipated work on Phase II would begin in the summer of 2023 and take two years to complete. Property acquisition for the treatment plant site located near the intersection of Freedom Boulevard and W 2230 N has been completed and Provo City now owns all property on which improvements will be constructed except for right-of-way and easements. A portion of the transmission line will cross US Forest Service property, and it is anticipated that current land use permits will be updated to include this project.

POPULATION GROWTH

Projected population and connections for Provo City is based on a 0.94% growth rate estimated by city:

Year	Population	Connections
2020	125,931	21,256
2040	151,879	25,516

IMPLEMENTATION SCHEDULE

DWB Authorization	July 2022
Complete Design	November 2022
Plan Approval / Advertise for Bids	January 2023
Bid Opening	February 2023
Loan Closing	April 2023
Begin Construction	May 2023
Complete Construction/DDW Permit	December 2024

Phase II COST ESTIMATE

Legal/Admin/Bonding	\$ 137,000	
Engineering	\$ 7,431,750	} 15%
Construction – Mobilization	\$ 1,400,000	
Construction – Treatment Facility	\$ 46,000,000	
Construction – 36” Ductile Iron Pipe	\$ 1,995,000	
Construction – SCADA and Electrical	\$ 150,000	
Contingency	\$ 12,386,250	25%
DDW 1% Loan Origination Fee	<i>waived</i>	
Total Project Cost	\$ 69,500,000	

Phase II COST ALLOCATION

Funding Source	Cost Sharing	Percent of Project
Local Contribution	\$ 5,250,000	8%
DWB Loan (40 yr, 1%)	\$ 36,750,000	53%
BWR Loan (30 yr, 1%)	\$ 15,500,000	22%
Federal Grants (BRIC, ARPA)	\$ 12,000,000	17%
Total Amount	\$ 69,500,000	100%

IPS SUMMARY

Code	Description	Physical Facilities	Quality & Monitoring	Significant Deficiencies
V021	Rock Canyon Reservoir storage tank roof or sidewalls show signs of mild or moderate deterioration	15		
S024	No check valve on Rock Canyon Well discharge pipe	5		
Total		20		

CONTACT INFORMATION

APPLICANT:

Provo City Water Resources
1377 S 350 E
Provo, UT 84606
(801) 852-6773
sjones@provo.utah.gov

**PRESIDING OFFICIAL or
CONTACT PERSON:**

Dave Decker
Public Works Director
1377 S 350 E
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Hansen Allen & Luce
859 W South Jordan Pkwy, Ste 200
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mchambers@haleengineers.com

BOND ATTORNEY

Eric Hunter
Chapman and Cutler LLP
215 S State Street
Salt Lake City, UT 84111
(801) 536-1441
ehunter@chapman.com

TREASURER/RECORDER:

Heidi Pepinos
(801) 852-6524
hpepinos@provo.utah.gov

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Provo City
 COUNTY: Utah
 PROJECT DESCRIPTION: Water treatment plan

FUNDING SOURCE: Federal SRF

100 % Loan & 0 % P.F.

ESTIMATED POPULATION:	126,000	Residential CONNECTIONS:	17,483 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$46.77 *			PROJECT TOTAL:	\$69,500,000
CURRENT % OF AGI:	1.83%	FINANCIAL PTS:	53	LOAN AMOUNT:	\$36,750,000
ESTIMATED MEDIAN AGI:	\$30,600			PRINC. FORGIVE.:	\$0
STATE AGI:	\$46,500			TOTAL REQUEST:	\$36,750,000
SYSTEM % OF STATE AGI:	66%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 1.00%
SYSTEM				
ASSUMED LENGTH OF DEBT, YRS:	40	40		40
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		1.00%
REQUIRED DEBT SERVICE:	\$918,750.00	\$1,592,463.50		\$1,119,243.23
*PARTIAL COVERAGE (15%):	\$0.00	\$0.00		\$0.00
*ADD. COVERAGE AND RESERVE (10%):	\$91,875.00	\$159,246.35		\$111,924.32
ANNUAL NEW DEBT PER CONNECTION:	\$57.81	\$100.20		\$70.42
O & M + FUNDED DEPRECIATION:	\$10,199,466.00	\$10,199,466.00		\$10,199,466.00
OTHER DEBT + COVERAGE:	\$2,839,218.75	\$2,839,218.75		\$2,839,218.75
REPLACEMENT RESERVE ACCOUNT:	\$763,077.70	\$796,763.38		\$773,102.36
ANNUAL EXPENSES PER CONNECTION:	\$789.44	\$791.37		\$790.01
TOTAL SYSTEM EXPENSES	\$14,812,387.45	\$15,587,157.98		\$15,042,954.66
TAX REVENUE:	\$0.00	\$0.00		\$0.00
RESIDENCE				
MONTHLY NEEDED WATER BILL:	\$70.87	\$74.56		\$71.97
% OF ADJUSTED GROSS INCOME:	2.78%	2.92%		2.82%

Agenda Item 4(C)(iii)(i)

DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION ASSISTANCE

APPLICANT'S REQUEST:

Holden Town is requesting financial assistance to drill a new well, install a transmission line, construct a new 500,000 gallon tank, redundant tank distribution line, meter upgrades and upgrades to the chlorination.

This project scored 9.8 points on the Project Priority List.

The total project cost is \$8,841,00. Holden Town will be contributing \$150,000 towards the project and is requesting the balance of \$8,691,000 from the Drinking Water Board.

STAFF COMMENTS:

The local MAGI for Holden Town is \$44,500, which is 96% of the State MAGI. The current average water bill is \$29.51/connection, which is 0.80% of the local MAGI. The estimated after project water bill at full loan would be \$119.20/connection or 3.21% of the local MAGI. Based on MAGI and after project average monthly water bill, Holden Town qualifies to be considered for additional subsidy.

Option	Loan / PF	Principal Forgiveness	Loan	Term	Interest Rate (HGA)	Water Bill	% Local MAGI
1	100% loan	\$0	\$8,691,000	40 yrs	0%	\$119.20	3.21%
2	50/50	\$4,341,000	\$4,350,000	40 yrs	0%	\$77.18	2.08%
3	47/53	\$3,500,000	\$5,191,000	40 yrs	0%	\$85.32	2.30%
4	47/53	\$3,500,000	\$5,191,000	30 yrs	0%	\$102.07	2.75%

FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION:

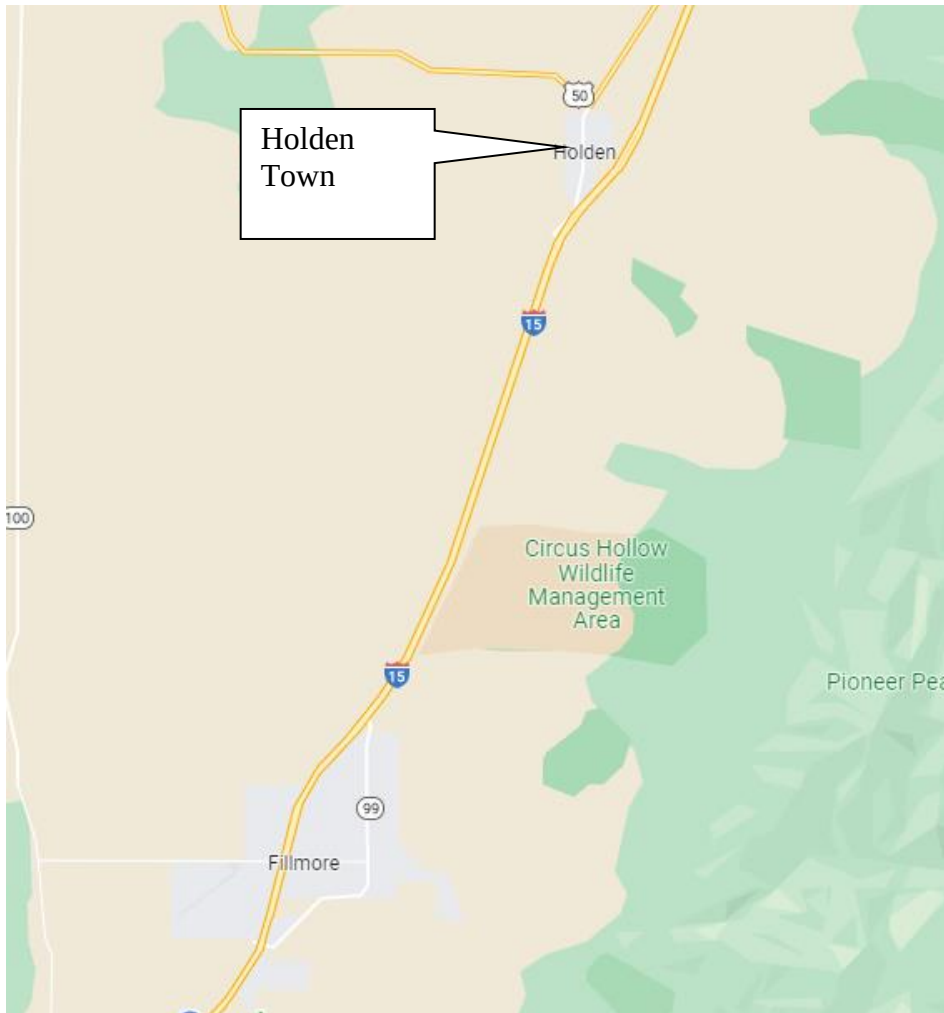
The Drinking Water Board authorize a construction loan of \$8,691,000 with \$3,500,000 in principal forgiveness to Holden Town for a repayable amount of \$5,191,000 at 0% interest.

Conditions include they resolve all points on their IPS report and create a tiered rate structure to promote water conservation

APPLICANT'S LOCATION:

Holden Town is located in Millard County approximately 11 miles North of Fillmore.

MAP OF APPLICANT'S LOCATION:



PROJECT DESCRIPTION:

Holden Town would like to construct a new culinary well, well transmission line, redundant tank distribution line, meter upgrades, new 500,000 gallon concrete storage tank and chlorination upgrade. The Town has completed a master plan and these are the projects that were identified for their system.

POPULATION GROWTH:

Year	Population	Connections
Current	467	269
2030	508	297
2040	561	328

COST ESTIMATE:

Legal/Bonding/Admin/land	\$98,500
Engineering - Design	\$435,500
Engineering - CMS	\$501,000
Mobilization	\$493,000
Construction – Trans lines	\$2,473,800
Construction–source& storage	\$3,088,280
Other(tmnt, meters, spring,)	\$406,600
Contingency (~10%)	\$1,292,410
1% Loan Origination Fee	\$51,910
Total	\$8,841,000

COST ALLOCATION:

<u>Funding Source</u>	<u>Cost Sharing</u>	<u>Percent of Project</u>
DWB Loan (0 %, 40-yr)	\$5,191,000	59%
ARPA Grant	\$3,500,000	40%
Local Contribution	\$150,000	1%
Total	\$8,841,000	100%

IMPLEMENTATION SCHEDULE:

DWB Funding Authorization:	June 2022
Complete Design	Nov 2022
DDW Plan Approval:	Dec 2022
Advertise for Bids:	Feb 2023
Bid Opening:	Feb 2023
Loan Closing:	Feb 2023
Begin Construction:	April 2023
Complete Construction:	Dec 2023

IPS SUMMARY:

Code	Description	Physical Facilities	Quality & Monitoring	Significant Deficiency Violations
M006	CCC-LACKS WRITTEN RECORDS OF CCC ACTIVITIES	15		
V035	STORAGE TANK VENT LARGER THAN 6 INCHES IN DIAMETER LACKS PROTECTIVE SCREEN	5		
	Total =	20		

CONTACT INFORMATION:

APPLICANT:	Holden Town PO Box 127 56 North Main Holden, Utah 84636 Telephone: 435-795-2213
PRESIDING OFFICIAL & CONTACT PERSON:	Darren Fox, Mayor 56 North Main Holden, Utah 84636 Telephone: 435-979-4312 Holdentown.utah@gmail.com
TREASURER/RECORDER:	Tyler Teuscher 801-669-1248 treasurer@holdenutah.us
CONSULTING ENGINEER:	Jesse Ralphs Sunrise Engineering 25 East 500 North Fillmore, Utah 84631 Telephone: 435-743-6151 jralphs@sunrise-eng.com
BOND ATTORNEY:	Richard Chamberlain Olsen & Chamberlain 225 North 100 East Richfield, Utah 84701 435-896-4461

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Holden Town
 COUNTY: Millard
 PROJECT DESCRIPTION: Well, trans and dist lines, tank

FUNDING SOURCE: Federal SRF

60 % Loan & 40 % P.F.

ESTIMATED POPULATION:	467	NO. OF CONNECTIONS:	269 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$29.51 *			PROJECT TOTAL:	\$8,841,000
CURRENT % OF AGI:	0.80%	FINANCIAL PTS:	36	LOAN AMOUNT:	\$5,191,000
ESTIMATED MEDIAN AGI:	\$44,500			PRINC. FORGIVE.:	\$3,500,000
STATE AGI:	\$46,500			TOTAL REQUEST:	\$8,691,000
SYSTEM % OF STATE AGI:	96%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 0.00%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	40	40		40
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		0.00%
REQUIRED DEBT SERVICE:	\$129,775.00	\$224,938.18		\$129,775.00
*PARTIAL COVERAGE (15%):	\$19,466.25	\$33,740.73		\$19,466.25
*ADD. COVERAGE AND RESERVE (10%):	\$12,977.50	\$22,493.82		\$12,977.50
ANNUAL NEW DEBT PER CONNECTION:	\$603.04	\$1,045.25		\$603.04
O & M + FUNDED DEPRECIATION:	\$103,019.00	\$103,019.00		\$103,019.00
OTHER DEBT + COVERAGE:	\$10,177.50	\$10,177.50		\$10,177.50
REPLACEMENT RESERVE ACCOUNT:	\$0.00	\$0.00		\$0.00
ANNUAL EXPENSES PER CONNECTION:	\$420.80	\$420.80		\$420.80
TOTAL SYSTEM EXPENSES	\$275,415.25	\$394,369.22		\$275,415.25
TAX REVENUE:	\$0.00	\$0.00		\$0.00
<u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$85.32	\$122.17		\$85.32
% OF ADJUSTED GROSS INCOME:	2.30%	3.29%		2.30%

\$0.00

Agenda Item 4(C)(iii)(j)

**DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION LOAN**

APPLICANT'S REQUEST

Scipio Town is requesting financial assistance to redevelop their springs. This project will address a public health issue and it scored 11.5 points on the Project Priority List.

The total project cost is estimated at \$3,545,000. The town will be contributing \$25,000 towards the project and is requesting the balance of **\$3,520,000 from the Drinking Water Board.**

STAFF COMMENTS

The MAGI for Scipio is \$45,500, which is 98% of the State MAGI and the current average water bill is \$21.22/ERC, which is 0.56% of the local MAGI. The after-project water bill at a full loan would be \$91.80/ERC or 2.42% of the local MAGI.

Option	Loan/ PF	Loan	Principal Forgiveness	Term	Interest/ HGA	Water Bill	% Local MAGI
Base	100 / 0	\$3,520,000	\$0	30 yrs	2.7%	\$91.80	2.42%
1	65 / 35	\$2,280,000	\$1,240,000	30 yrs	2.7%	\$66.45	1.75%
2	50 / 50	\$1,760,000	\$1,760,000	30 yrs	2.7%	\$55.82	1.47%
3	0 / 100	\$0	\$3,500,000	n/a	n/a	\$21.18	0.56%

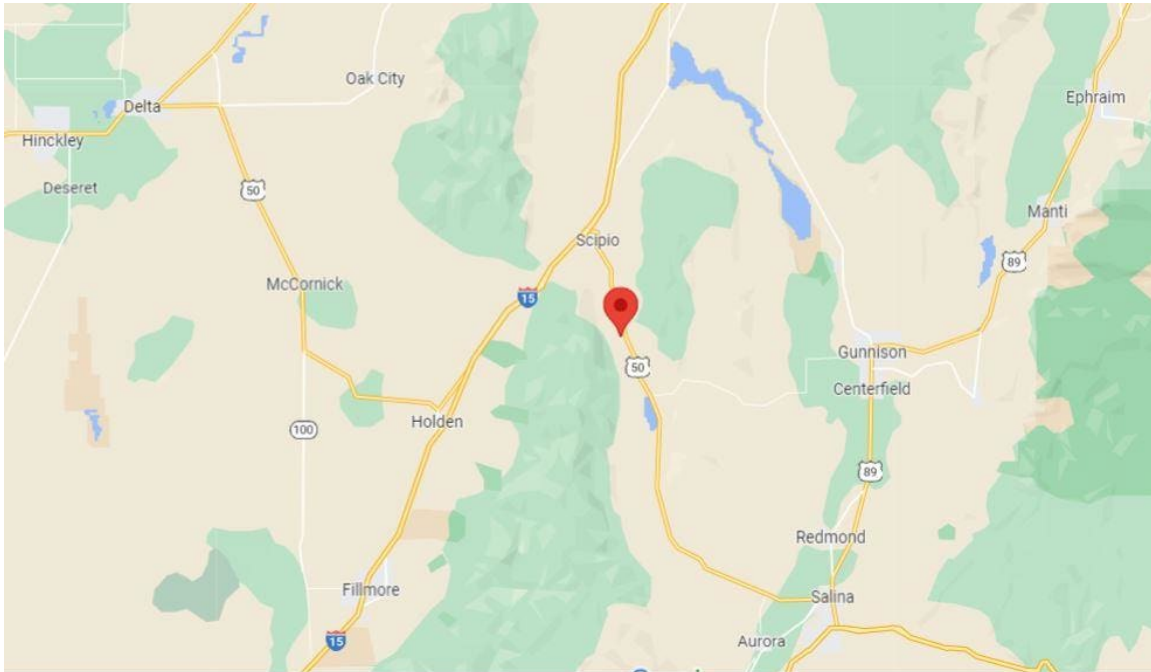
FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION

The Drinking Water Board authorize a construction loan of \$3,520,000 with \$1,240,000 in principal forgiveness to Scipio Town, for a repayable loan amount of \$2,280,000 at 2.7% interest for 30. Additionally, the Board authorize a release of up to \$120,000 from principal forgiveness for planning and engineering design.

Conditions include that they resolve all issues on their compliance report.

APPLICANT'S LOCATION

Scipio is approximately 122 miles south of Salt Lake City in Millard County. The town's springs are located 5.5 miles south along Highway 50, on State Trust (SITLA) lands.



PROJECT DESCRIPTION

The proposed project will consist of redeveloping Scipio Town's existing '5 Mile Spring' collection area by removing and disposing of the 18 existing collection boxes, perforated pipes and liners, installing 10 new spring collection boxes, 5,200 cubic yards of gravel filter media, 22,000 square yards of impermeable liner and 2,000 linear feet of 4" perforated PVC pipe. The spring redevelopment project will address deteriorated spring collection boxes and collection pipes. Several of the collection boxes are subject to surface water contamination; during large storm events the town often experiences cloudiness from suspended sediment in their water.

POPULATION GROWTH

Projected population and connections for Scipio is based on a 0.39% growth rate estimated in the SRF application:

Year	Population	Connections
2022	334	283
2042	361	312

IMPLEMENTATION SCHEDULE

DWB Authorization	July 2022
Begin Design	November 2022
Complete Design/DDW Plan Approval	March 2023
Advertise for Bids/Bid Opening	April 2023
Loan Closing/Begin Construction	May 2023
Complete Construction/DDW Permit	November 2023
DDW Operating Permit	December 2023

COST ESTIMATE

Legal/Bonding	\$ 25,000	
Environmental	\$ 50,000	
Engineering – Design/Permitting	\$ 266,750	} 11%
Engineering – CMS	\$ 135,000	
Construction – pump station	\$ 2,667,300	
Construction contingency	\$ 400,950	15%
Total Project Cost	\$ 3,545,000	

COST ALLOCATION

Funding Source	Cost Sharing	Percent of Project
Local contribution	\$ 25,000	1%
DWB Loan (30 yrs, 2.7%)	\$ 2,280,000	64%
DWB Principal Forgiveness	\$ 1,240,000	35%
Total Amount	\$ 3,545,000	100%

IPS SUMMARY

Code	Description	Physical Facilities	Quality & Monitoring	Significant Deficiency Violations
V021	#1 East Storage tank roof or sidewalls show signs of mile or moderate deterioration	15		
TGR9	5 Mile Spring Chlorinator point of entry location and address needs to be established	15		
SP04	5 Mile Spring lacks approved updates to DWSP plan	5		
SSL2	5 Mile Spring vent not present	0		
SP04	Old Town Well lacks approved updates to DWSP plan	5		
36	Failure to monitor and report distribution system chlorine residuals (April 2021)		15	
36	Failure to monitor and report distribution system chlorine residuals (May 2021)		15	
36	Failure to monitor and report distribution system chlorine residuals (June 2021)		15	
	Total	40	45	

CONTACT INFORMATION

APPLICANT:

Scipio Town
Box 560066
Scipio, UT 84656
(435) 758-2605

PRESIDING OFFICIAL &
CONTACT PERSON:

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Mayor
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TREASURER/RECORDER:

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CONSULTING ENGINEER

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BOND ATTORNEY:

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Chamberlain Associates
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Rchamberlain13@gmail.com

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Scipio Town
 COUNTY: Millard
 PROJECT DESCRIPTION: Spring redevelopment

FUNDING SOURCE: Federal SRF

65 % Loan & 35 % P.F.

ESTIMATED POPULATION:	334	ERC (Master Plan)	250 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$21.11 *			PROJECT TOTAL:	\$3,545,000
CURRENT % OF AGI:	0.56%	FINANCIAL PTS:	23	LOAN AMOUNT:	\$2,280,000
ESTIMATED MEDIAN AGI:	\$45,500			PRINC. FORGIVE.:	\$1,240,000
STATE AGI:	\$46,500			TOTAL REQUEST:	\$3,520,000
SYSTEM % OF STATE AGI:	98%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 2.70%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	30	30		30
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		2.70%
REQUIRED DEBT SERVICE:	\$76,000.00	\$116,474.33		\$111,858.64
*PARTIAL COVERAGE (15%):	\$11,400.00	\$17,471.15		\$16,778.80
*ADD. COVERAGE AND RESERVE (10%):	\$7,600.00	\$11,647.43		\$11,185.86
ANNUAL NEW DEBT PER CONNECTION:	\$380.00	\$582.37		\$559.29
 O & M + FUNDED DEPRECIATION:	 \$50,531.00	 \$50,531.00		 \$50,531.00
OTHER DEBT + COVERAGE:	\$9,000.00	\$9,000.00		\$9,000.00
REPLACEMENT RESERVE ACCOUNT:	\$0.00	\$0.00		\$0.00
ANNUAL EXPENSES PER CONNECTION:	\$238.12	\$238.12		\$238.12
 TOTAL SYSTEM EXPENSES	 \$154,531.00	 \$205,123.91		 \$199,354.30
TAX REVENUE:	\$0.00	\$0.00		\$0.00
 <u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$51.51	\$68.37		\$66.45
 % OF ADJUSTED GROSS INCOME:	 1.36%	 1.80%		 1.75%

Agenda Item

4(C)(iii)(k)

DRINKING WATER BOARD
BOARD PACKET FOR CONSTRUCTION ASSISTANCE

APPLICANT'S REQUEST:

Pinion Forest SSD is requesting financial assistance to install a storage tank, 2 pump stations, 7 PRV's and distribution lines in the east end of the system.

This project scored 11.3 points on the Project Priority List.

The total project cost is \$8,552,520. Pinion Forest SSD will be contributing \$520 towards the project and is requesting the balance of \$8,552,000 from the Board.

STAFF COMMENTS:

The local MAGI for the Pinion Forest SSD is \$34,800, which is 75% of the State MAGI. The current average water bill is \$26.90/ERC, which is 0.93% of the local MAGI. The estimated after project water bill at full loan for 20 years would be \$384.82/ERC or 13.27% of the local MAGI. Based on MAGI and average monthly water bill, Pinion Forest SSD qualifies to be considered for additional subsidy.

Option	Loan / Grant	Principal Forgiveness	Loan	Term	Interest Rate HGA	Water Bill	% Local MAGI
1	100% loan	\$0	\$8,552,000	40 yrs	0.0%	\$213.50	7.36%
2	50/50	\$4,275,000	\$4,277,000	40 yrs	0.0%	\$127.87	4.41%
3	59/41	\$3,500,000	\$5,052,000	40 yrs	0.0%	\$143.39	4.94%

FINANCIAL ASSISTANCE COMMITTEE RECOMMENDATION:

The Drinking Water Board authorize a construction loan of \$8,552,000 to Pinion Forest SSD at 0% interest for 40 years.

Conditions include that they resolve all points on their IPS report.

APPLICANT'S LOCATION:

Pinion Forest SSD is located in Duchesne County approximately 7 miles West of Duchesne.

MAP OF APPLICANT'S LOCATION:



PROJECT DESCRIPTION:

This project would be the installation of a storage tank, 2 pump stations, 7 PRV's and distribution lines in the east end of the system.

Pinion Forest does not have a distribution system and has a water hauling station for the residents. They receive most of their income from property taxes and an access fee to receive water from the hauling station.

There has not been an official study to determine the cost of connecting to another system. There was a cost estimate to connect to Hanna Water bringing the transmission line parallel to Highway 208, ending near the rest area. This option would leave the line several miles short of serving customers at Pinion Forest. Other options are connecting to Fruitland or Central Utah both of which are problematic geographically as well as not financially feasible.

Based on the cost estimate to connect to Hanna water and the isolated location of Pinion Forest it was determined the best option for the system is to install a distribution system to deliver water from the existing well.

POPULATION GROWTH:

The existing ratio of population to connections was used to project future connections based on future population.

Year	Population	Connections
Current	640	90
2030	714	100
2040	727	103

COST ESTIMATE:

Legal/Bonding/Admin	\$99,000
Engineering - Design	\$270,000
Engineering - CMS	\$386,000
Construction -	\$7,340,000
Other (land	\$30,000
Contingency (~10%)	\$427,520
1% Loan Origination Fee	Moved to contingency
Total	\$8,552,520

COST ALLOCATION:

<u>Funding Source</u>	<u>Cost Sharing</u>	<u>Percent of Project</u>
DWB Loan (0%, 40-yr)	\$5,052,000	59%
DWB Grant	\$3,500,000	41%
Local Contribution	\$520	>1%
Total	\$8,552,520	100%

IMPLEMENTATION SCHEDULE:

DWB Funding Authorization:	July 2022
Complete Design	Dec 2022
DDW Plan Approval:	Jan 2023
Advertise for Bids:	Jan 2023
Bid Opening:	Jan 2023
Loan Closing:	Feb 2023
Begin Construction:	March 2023
Complete Construction:	Aug 2023

IPS SUMMARY:

Code	Description	Physical Facilities	Quality & Monitoring	Significant Deficiency Violations
M007	CCC-LACKS ON-GOING ENFORCEMENT IMPLEMENTATION	15		
M006	CCC-LACKS WRITTEN RECORDS OF CCC ACTIVITIES	15		
M005	CCC-LACKS OPERATOR TRAINING	15		
	Total =	45		

CONTACT INFORMATION:

APPLICANT:

Pinion Forest SSD
PO Box 38
Duchesne, Utah 84021
Telephone: 435-738-5527

**PRESIDING OFFICIAL &
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BOND ATTORNEY:

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Johnson, Patterson and Yellowhorse
PO Box 831
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801-520-5333

DRINKING WATER BOARD FINANCIAL ASSISTANCE EVALUATION

SYSTEM NAME: Pinion Forest
 COUNTY: Duchesne
 PROJECT DESCRIPTION: 500,000 gallon tank, 59,000 ft trans line, pump stations, PRVs

FUNDING SOURCE: Federal SRF

59 % Loan & 41 % P.F.

ESTIMATED POPULATION:	640	NO. OF CONNECTIONS:	130 *	SYSTEM RATING:	APPROVED
CURRENT AVG WATER BILL:	\$26.90 *			PROJECT TOTAL:	\$8,552,520
CURRENT % OF AGI:	0.93%	FINANCIAL PTS:	38	LOAN AMOUNT:	\$5,052,000
ESTIMATED MEDIAN AGI:	\$34,800			PRINC. FORGIVE.:	\$3,500,000
STATE AGI:	\$46,500			TOTAL REQUEST:	\$8,552,000
SYSTEM % OF STATE AGI:	75%				

	@ ZERO % RATE 0%	@ RBBI MKT RATE 3.01%		AFTER REPAYMENT PENALTY & POINTS 0.00%
<u>SYSTEM</u>				
ASSUMED LENGTH OF DEBT, YRS:	40	40		40
ASSUMED NET EFFECTIVE INT. RATE:	0.00%	3.01%		0.00%
REQUIRED DEBT SERVICE:	\$126,300.00	\$218,914.98		\$126,300.00
*PARTIAL COVERAGE (15%):	\$18,945.00	\$32,837.25		\$18,945.00
*ADD. COVERAGE AND RESERVE (10%):	\$12,630.00	\$21,891.50		\$12,630.00
ANNUAL NEW DEBT PER CONNECTION:	\$1,214.42	\$2,104.95		\$1,214.42
 O & M + FUNDED DEPRECIATION:	 \$38,442.00	 \$38,442.00		 \$38,442.00
OTHER DEBT + COVERAGE:	\$27,375.00	\$27,375.00		\$27,375.00
REPLACEMENT RESERVE ACCOUNT:	\$0.00	\$0.00		\$0.00
ANNUAL EXPENSES PER CONNECTION:	\$506.28	\$506.28		\$506.28
 TOTAL SYSTEM EXPENSES	 \$223,692.00	 \$339,460.73		 \$223,692.00
TAX REVENUE:	\$0.00	\$0.00		\$0.00
 <u>RESIDENCE</u>				
MONTHLY NEEDED WATER BILL:	\$143.39	\$217.60		\$143.39
 % OF ADJUSTED GROSS INCOME:	 4.94%	 7.50%		 4.94%

\$0.00

Agenda Item 4(C)(iii)(1)

Daniel Town
Presented to the Drinking Water Board
July 21, 2022

**DRINKING WATER BOARD
BOARD PACKET FOR DEAUTHORIZATION**

APPLICANT'S REQUEST:

On January 12, 2021, Daniel Town was authorized a loan of \$5,692,000 at 0% interest for 30 years with \$1,700,000 in principal forgiveness for the construction of a new tank, pump station and distribution upgrades in the Storm Haven area.

STAFF COMMENTS:

On June 7, 2022, staff received notice from the Town's engineer that the Town Council has decided the Town does not have the ability to increase rates sufficiently to qualify for the funding package and wishes to decline the funding authorization. The Town does plan to work on their master plan to get it updated and would like to submit another application after the master plan is completed.

STAFF RECOMMENDATION:

The Drinking Water Board deauthorize a loan of \$5,692,000 at 0% interest for 30 years with \$1,700,000 in principal forgiveness to Daniel Town.



Heather Pattee <hpattee@utah.gov>

Daniel funding

1 message

Ryan Taylor <rtaylor@to-engineers.com>

Tue, Jun 7, 2022 at 2:53 PM

To: Heather Pattee <hpattee@utah.gov>

Cc: Scott Kohler <mayor@danielutah.org>

Heather,

At the Daniel council meeting last night the funding package was discussed. After a long debate the council doesn't feel it has the ability to increase rates sufficient to qualify for the approved funding package. Smaller and other projects were discussed but everyone felt like the existing masterplan is too far out of date and would like to have an updated plan before proceeding with a new funding request.

Thank you for all your assistance, at this time we would like to formally decline the approved 5.9-million-dollar funding offer. We will likely be submitting a new application after our planning has been updated.

G. RYAN TAYLOR, PE (UT, WY) | Project Manager***We've Moved!***

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